



**2023 ANNUAL GROUNDWATER
MONITORING AND CORRECTIVE ACTION
REPORT**

Plant Bowen

Cells 1 & 2

Cells 3 & 4

Cells 5 & 6

Cells 7 & 8

Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (CCR)

January 31, 2024

Prepared for:



Prepared by:

Stantec Consulting Services Inc.

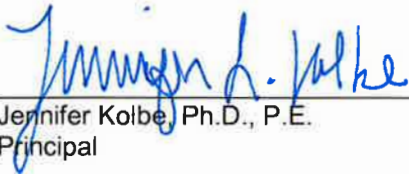
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**2023 Annual Groundwater Monitoring and Corrective Action Report
Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10**

CERTIFICATION STATEMENT

This 2023 Annual Groundwater Monitoring and Corrective Action Report, Georgia Power Company - Plant Bowen Solid Waste Disposal Facility Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [Title 40 Code of Federal Regulations (40 CFR) 257 Subpart D, specifically § 257.90(e)] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Stantec Consulting Services Inc. I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.




Jennifer Kolbe, Ph.D., P.E.
Principal



January 31, 2024

Date



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Senior Geologist



January 31, 2024

Date



Executive Summary

This summary of the *2023 Annual Groundwater Monitoring and Corrective Action Report* provides the status of the groundwater monitoring and corrective action program from January through December 2023 at the Georgia Power Company (Georgia Power) Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 (the Landfill or the Site). This summary was prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6¹ of the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule Title 40 Code of Federal Regulations (40 CFR) 257 Subpart D (CCR Rule) and the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10.

The Landfill is located in Bartow County off State Highway 113, approximately seven miles west-southwest of Cartersville, Georgia and 20 miles southeast of Rome, Georgia. The Landfill receives coal combustion by-products, coal ash, and gypsum from coal power generating processes at Plant Bowen. The Landfill cells are lined in accordance with Permit No. 008-018D (CCR). Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015. Landfill Cells 5 & 6 are under construction and Cells 7 & 8 have been cleared for Landfill expansion. The Site is located on the northeastern portion of the Plant Bowen property.



Plant Bowen Landfill Cells

The groundwater monitoring program for the Landfill is currently managed in accordance with CCR Permit No. 008-018D (CCR) approved on December 8, 2022. Groundwater at the Site is monitored using a groundwater monitoring system of wells installed to meet federal and state monitoring requirements. Groundwater monitoring, in accordance with the previous Georgia Solid Waste Permit No 008-018D (LI), began in 2007 prior to disposal activities and continues to date under the 2022 CCR Permit Groundwater Monitoring Plan (GWMP). Routine sampling and reporting for CCR Rule Appendix III constituents began after the background groundwater conditions were established between February 2016 and August 2017 for Cells 1, 2, 3, 4, 9, and 10. Additional wells were installed in support of the expansion of Cells 5–8 in April–May of 2023, and background groundwater sampling for the new wells began in June 2023 in accordance with § 257.94. Background sampling events were conducted in June, August, October, and December 2023 for Cells 5–8 in accordance with the GWMP.

¹ 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020



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During the 2023 annual reporting period, two groundwater sampling events were conducted in February and July-August 2023 for Cells 1 & 2, 3 & 4, and 9 & 10. Groundwater samples collected at Cells 1 & 2, 3 & 4, and 9 & 10 were submitted to Pace[®] Analytical Services, Inc. (Pace), for analysis of Appendix III parameters². Per the CCR Rule, the groundwater analytical results were evaluated in accordance with certified statistical methods. Verified Appendix III constituents with statistically significant increases (SSIs) are provided in the table below and are addressed by the April 19, 2018, August 18, 2020, and November 29, 2022 (updated May 2023) Alternate Source Demonstrations (ASDs).

Appendix III Constituents (SSIs)	February 2023
Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R
pH (lower limit)	GWC-9, GWC-44, GWC-45, GWC-48
TDS	GWC-23R
Appendix III Constituents (SSIs)	July-August 2023
Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R
Chloride	GWC-48
pH (lower limit)	GWC-44, GWC-45
Total Dissolved Solids	GWC-23R

Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program in 2023, the Landfill will continue in detection monitoring.

² Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)



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Acronyms / Abbreviations

40 CFR	Title 40 Code of Federal Regulations
ASD	Alternate Source Demonstration
CCR	Coal Combustion Residuals
CCR Rule	Title 40 Code of Federal Regulations 257 Subpart D
cm/sec	centimeters per second
D&O	Design and Operation
DO	Dissolved Oxygen
ft/day	feet per day
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
GSC	Groundwater Stats Consulting, LLC
GWMP	Groundwater Monitoring Program
Landfill or Site	Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
mg/L	milligrams per liter
NELAP	National Environmental Laboratory Accreditation Program
NTU	Nephelometric Turbidity Unit
ORP	Oxidation-Reduction Potential
Pace	Pace® Analytical Services
QA/QC	Quality Assurance/Quality Control
SCS	Southern Company Services
SSI	Statistically Significant Increase
Stantec	Stantec Consulting Services Inc.
TDS	Total Dissolved Solids
Unified Guidance	<i>Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities</i> , Unified Guidance



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US EPA United States Environmental Protection Agency

USGS United States Geological Survey

WSP WSP USA Environment & Infrastructure, Inc.



1 Introduction

This 2023 Annual Groundwater Monitoring and Corrective Action Report has been prepared by Stantec Consulting Services Inc. (Stantec) on behalf of Georgia Power Company (Georgia Power) to document groundwater monitoring activities conducted from January through December 2023 at Georgia Power's Plant Bowen solid waste disposal facility Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 (Landfill or Site). The groundwater monitoring activities were conducted to comply with the current CCR Permit No. 008-018D (CCR), approved by the Georgia Environmental Protection Division (GA EPD) on December 8, 2022, and in accordance with the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule Title 40 Code of Federal Regulations (40 CFR) 257 Subpart D (CCR Rule) and the Georgia Environmental Protection Division (GA EPD) Rules of Solid Waste Management 391-3-4-.10. This report satisfies the reporting requirements of applicable GA EPD Solid Waste Management Rules (391-3-4-.10) and federal CCR Rule 40 CFR 257.90(e).

1.1 Site Description and Background

The Plant Bowen Landfill is a Georgia Power-owned property located in Bartow County off State Highway 113, approximately seven miles west-southwest of Cartersville, Georgia, and 20 miles southeast of Rome, Georgia (Figure 1). The disposal facility is approximately 300 acres located on a previously undeveloped, contiguous portion of the plant property. The Landfill is located on the northeast portion of the Plant Bowen property. The disposal facility receives coal combustion by-products, coal ash, and gypsum from coal power generating processes at Plant Bowen. The landfill cells are lined in accordance with Solid Waste Permit No. 008-018D (CCR). Cells 3 & 4 and 9 & 10 have a leachate collection system. Gypsum placement in disposal Cells 1 & 2 began in November 2008, whereas ash placement in disposal Cells 3 & 4 began in February 2015. Waste placement operations were initiated in Cells 9 & 10 in November 2015. In 2020, GA EPD approved the placement of waste following a retrofit of Cells 9 & 10 with a leachate collection system. Cells 9 & 10 are used to store bottom ash. Development of Cells 5, 6, 7, and 8 began with land clearing, cell construction of Cells 5&6, and installation of monitoring wells. Monitoring well installation for the proposed landfill cells was completed in May 2023 and will be followed by eight background groundwater sampling events prior to placement of waste, per the site permit.

1.2 Regional Geology and Hydrogeologic Setting

The regional geology and hydrogeology of the Plant Bowen Landfill area are summarized below. The Site lies within the Valley and Ridge physiographic province about three to four miles north of the Cartersville Fault. The Cartersville Fault separates the late Precambrian-aged metamorphic rocks to the east and south from the Cambrian-aged sedimentary rocks to the north-northwest and west.

As described in the Composite Site Acceptability Report for CCR Landfill Permit (Georgia Power Company [GPC, 2022]), the lithologies present in the landfill area of Plant Bowen from the ground surface to depth are terrace deposits, a residuum clay overburden, dolomite, and limestone bedrock. The Knox Group (dolomite and limestone bedrock) produces a characteristic orange to red clayey residuum (overburden soil) that ranges in thickness from 19 to 127 feet across the Site and often contains



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weathered chert and dolomite fragments. Silt and clay with some gravel and sand (terrace deposits) overlay the clayey residuum in some areas but are not continuous across the landfill area of Plant Bowen.

The uppermost aquifer for groundwater monitoring purposes is comprised of an overburden (residuum clay and partially weathered rock) and carbonate bedrock. The uppermost aquifer is unconfined, and, depending on the variability of weathering characteristics, the groundwater surface may occur in the overburden or carbonate bedrock. The water table commonly occurs in the overburden, but at some locations the water table is near the overburden-bedrock interface or in the upper fractured bedrock. Based on these data and field observations, it is assumed that the overburden and upper fractured bedrock are a single, interconnected water bearing zone below the unsaturated overburden. Overburden materials are heterogeneous ranging in composition from well-graded gravelly sand to fat clay. Bedrock underlying the Site (officially mapped as Knox undifferentiated) is a carbonate bedrock (limestone and dolomite). The local karst geology features massive limestone and dolostone beds with chert, calcite, and fractures and void spaces that were observed during well installation activities. Karst features within the underlying carbonate bedrock are predominately formed along initial discontinuities including joints, fissures (slots), fractures, and bedding planes or other linear features. These karst features may be partially or completely filled with soft unconsolidated solids or may be empty or filled with water. The top of the karst features is usually identified as having a thin zone of weathered carbonate bedrock.

1.3 Groundwater Monitoring System

The existing groundwater monitoring system meets the requirements listed in § 257.91 and 391-3-4.10. A groundwater monitoring system was installed at the Landfill that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and passing the waste boundary of the unit. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions.

A subset of the wells is equipped with data loggers and telemetry systems for water level measurements and data transmission for real-time monitoring of groundwater levels in the subsurface karst geology.

The locations of the monitoring wells included in the groundwater monitoring system are presented on Figure 2. Well construction details are listed in Table 1.



2 Groundwater Monitoring Activities

The following sections describe monitoring-related activities performed from January through December 2023. Samples were collected in February and July-August 2023 from each of the wells in the groundwater monitoring system shown on Figure 2. Verification sampling events were conducted in March, April, and September 2023. Background sampling events for the wells installed in April and May 2023 were conducted in June, August, October, and December 2023. Table 2 presents a summary of the 2023 groundwater sampling events completed for the Landfill during this monitoring period.

2.1 Monitoring Well Installation and Maintenance

Monitoring wells are inspected semi-annually to determine if repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In February and July-August 2023, monitoring wells were inspected, and necessary corrective actions were identified and subsequently completed, as documented in Appendix A.

The following modifications were made to the groundwater monitoring system during the annual reporting period:

- Georgia Power installed 15 monitoring wells and 1 piezometer at Cells 5 & 6 and 7 & 8 from April 17 to May 24, 2023. The Well Installation Report is included in Appendix B.

2.2 Detection Monitoring Program

Groundwater monitoring began in 2007 in accordance with previous Georgia Solid Waste Permit No. 008-018D (LI), prior to disposal activities, and continues to date under the current CCR Permit No. 008-018D (CCR). Groundwater monitoring and reporting activities, conducted in accordance with § 257.90 through § 257.94 of the federal CCR Rule, were initiated in 2016. Pursuant to § 257.94(b), the eight baseline sampling events were conducted from February 2016 to August 2017 at Cells 1 & 2, 3 & 4, and 9 & 10, with the initial detection monitoring event occurring in September–October 2017.

Georgia Power currently monitors groundwater associated with the Landfill under the detection groundwater monitoring program in accordance with § 257.94 and Solid Waste Management Rule 391-3-4-.10(6). The semi-annual detection monitoring events occurred in February and July-August 2023. Groundwater samples were collected from monitoring wells in the groundwater monitoring system (Figure 2) and analyzed for:

- CCR Rule Appendix III constituents
- A state-modified Appendix I list of detection constituents according to the approved *Plant Bowen Coal Combustion Residuals (CCR) Landfill Groundwater Monitoring Plan (GWMP)* (WSP USA Environment & Infrastructure, Inc. [WSP, 2022]). The analyte list includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.



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- Field parameters recorded during sampling, including pH, temperature, turbidity, dissolved oxygen (DO), specific conductance, and oxidation-reduction potential (ORP).

Background sampling in accordance with § 257.94 for the newly installed wells at Cells 5 & 6 and 7 & 8 occurred in June, August, October, and December 2023. In addition to the list above, groundwater samples were collected from monitoring wells and analyzed for CCR Rule Appendix IV constituents.

2.3 Additional Sampling and Analyses

An ephemeral spring at the Site, shown on Figure 2, is checked for water during each groundwater sampling event. Water was present in the spring during the February 2023 sampling event and a sample was collected and analyzed for:

- CCR Rule Appendix III constituents
- A state-modified Appendix I list of detection constituents according to the approved GWMP (WSP, 2022). The analyte list includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.
- Field parameters recorded during sampling, including pH, temperature, turbidity, DO, specific conductance, and ORP.

Water was not present during the July-August 2023 sampling event. The spring sampling results are included in laboratory reports discussed in Section 3.5.

In addition to routine Appendix I and CCR Rule Appendix III constituents, groundwater samples from the February 2023 and July-August 2023 events were analyzed for major cations and anions (alkalinity, magnesium, sodium, potassium). The chemical composition of groundwater based on major ion chemistry data will be used to evaluate groundwater quality. Results are included in laboratory reports discussed in Section 3.5.



3 Sample Methodology & Analyses

The following section presents a summary of the field sampling procedures that were implemented and the groundwater sampling results that were obtained in connection with the detection monitoring program conducted from January through December 2023.

3.1 Groundwater Elevation Measurements and Flow Direction

Prior to each sampling event, groundwater levels were recorded at each monitoring well and piezometer at the Landfill. The calculated groundwater elevations for the February and July-August 2023 sampling events are presented in Table 3.

The groundwater elevation data from February 2023 were used to develop potentiometric surface elevation contour maps for overburden and bedrock (Figures 3 and 4). In August 2023 overburden and bedrock groundwater elevation data from wells screened in similar geology were combined to develop one potentiometric surface elevation contour map (Figure 5). Review of Figures 3 through 5 shows that groundwater elevations vary between landfill cells due to topographic variations. Groundwater elevations are similar between the overburden and the upper bedrock at most onsite locations indicating hydraulic communication between the saturated overburden and upper bedrock.

The general direction of groundwater flow in the overburden of Landfill Cells 1 & 2 and 9 & 10 area is to the northeast, and to the north-northeast for bedrock. Overburden and bedrock groundwater generally flows toward the Etowah River to the north, east, and south-east of Cells 3 & 4, 5 & 6 and 7 & 8. Observed groundwater elevations and flow directions are consistent with previous observations.

3.2 Groundwater Gradient and Flow Velocity

The groundwater flow velocity at the Site was calculated using a derivation of Darcy's Law. Specifically,

$$V = \frac{K * i}{n_e}$$

Where:

V = Groundwater flow velocity $\left(\frac{feet}{day}\right)$

K = Average horizontal hydraulic conductivity of the aquifer $\left(\frac{feet}{day}\right)$

i = Horizontal hydraulic gradient $\left(\frac{feet}{foot}\right)$

n_e = Effective porosity

The general groundwater flow velocity that was calculated for the Site is based on hydraulic gradients estimated from 2023 groundwater level measurement data. Information used for the calculations is provided in Table 4. Average hydraulic conductivity values were based on previous slug test data. An estimated effective porosity of 0.01 (based on default soil type value for silty clays to clays in US EPA 530/SW-89-031 [US EPA, 1989]) for the screened horizon was used. The average hydraulic conductivity values used in the overburden calculations (2.54×10^{-5} centimeters/second [cm/sec] = 0.072 feet per day [ft/day]) and the bedrock calculations (1.26×10^{-4} cm/sec = 0.36 ft/day) are presented in the GWMP



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(WSP, 2022). Results for groundwater flow velocities range from approximately 0.03 to 0.18 ft/day in the overburden and from approximately 0.01 to 0.27 ft/day in the bedrock (Table 4).

Lower groundwater velocities noted in the overburden material are due to the abundance of residual clays in this zone. Higher velocities noted in the upper bedrock are attributed to preferential groundwater flow in the fractured bedrock. Groundwater flow in the Knox Dolomite Formation, underlying the Site, occurs in joints, fractures, bedding planes, and solution channels (Croft, 1963). These pathways can facilitate relatively higher groundwater flows in the upper fractured bedrock. However, the flow rates noted in the wells screened in the upper fractured bedrock (Table 4) also suggest an abundance of residual clays in the zone where the top of the carbonate bedrock is weathered.

3.3 Continuous Water Level Monitoring (Hydrogeologic Monitoring)

Georgia Power continuously monitors groundwater level fluctuations in accordance with the GWMP (WSP, 2022). The hydrogeologic monitoring network provides water level data, which are evaluated for changes in subsurface hydrologic conditions. The hydrogeologic data are evaluated weekly and reported semi-annually.

3.3.1 HYDROGEOLOGIC MONITORING NETWORK

Hydrogeologic monitoring locations shown in Figure 2 for Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 were selected following analysis of the interim data and review of historical groundwater elevations and potentiometric surface maps. Across the landfill cells, there are a total of 37 wells as of December 2023 currently equipped with transducers for monitoring water levels. Transducers were installed following the evaluation of hydrogeologic conditions at newly installed wells in Cells 5 & 6 and 7 & 8.

For the hydrogeologic monitoring network, Georgia Power utilized In-Situ® Instruments, Inc.'s Win-Situ® reporting software, and Level Troll 500® pressure transducers. Each pressure transducer was deployed in a monitoring well at a fixed depth and linked to its own telemetry box with a vented transducer cable. Groundwater levels were recorded multiple times daily from each well transducer, and each transducer was programmed to record fluctuations in water levels of ± 0.5 foot occurring within four-hour recording schedules. The telemetry system relays water level data via satellite to a central data storage unit that can be accessed in real-time over the internet; whereby, the data can be checked for anomalous groundwater level fluctuations. Groundwater elevations, along with the river stage elevations and rainfall data, recorded between December 12, 2022 and December 6, 2023, are provided in two monitoring reports for the three disposal cell units in Appendix C: Memoranda on Hydrogeologic Monitoring Program.

During the reporting period, transducers from wells GWA-4R, GWA-33R, GWA-34R, GWA-36A, GWC-36RA, GWC-7Z, GWC-8RR, GWC-11, GWC-18R, GWC-19R, GWC-22R, GWC-24R, GWC-27R, GWC-29, GWC-29R, GWC-31R, GWC-41R, GWC-45R, and GWC-49R, had issues with the telemetry systems and data upload. SCS staff corrected these issues, and data logging and transmission has been reestablished. Details on transducer maintenance and repair are provided in Appendix C.

The United States Geological Survey (USGS) river gauge (#02394670) at Cartersville, Georgia was used to monitor the surface water elevations in the Etowah River. Rainfall data are also obtained from the USGS station #02394670 on the Etowah River at Georgia Route 61 and from an on-site rain gauge.



3.3.2 HYDROGEOLOGIC MONITORING RESULTS

Over the 2023 annual monitoring period from December 12, 2022 through December 6, 2023, the hydrogeologic monitoring network pressure transducers were operational and collected continuous groundwater elevation data, with the exceptions described in Appendix C and in Section 3.3.1. Table 1 in the hydrogeologic monitoring memoranda (Appendix C) lists identified data anomalies, their causes, and maintenance efforts during the monitoring period. Observed disruptions in the transducer water levels were found to be directly attributed to: (a) drawdown during sampling events, water level gauging, and well development, (b) maintenance of wells, transducers, or telemetry units, or (c) rainfall events (greater than 1.5 inches of rain). Hydrogeologic monitoring data for the 2023 annual monitoring period did not show water level fluctuations or sudden decreases in groundwater elevation data attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation.

3.4 Groundwater Sampling

For the 2023 annual monitoring period, groundwater samples were collected during two detection monitoring events in February and July-August 2023 and three verification events in March, April, and September 2023. Background sampling events for the wells installed at Cells 5-8 in April and May 2023 were conducted in June, August, October, and December 2023. Sampling procedures were conducted in accordance with US EPA Region 4 Laboratory Services and Applied Science Division operating procedures (US EPA 2013, 2017). Monitoring wells were purged and sampled using low-flow sampling procedures. Dedicated or non-dedicated low-flow pneumatic bladder pumps were used to purge and sample the wells. A SmartTroll® or AquaTroll® (In-Situ® field instrument) was used to monitor and record field water quality parameters (pH, specific conductance, DO, temperature, and ORP) and a Hach 2100Q was used to measure turbidity during well purging to verify stabilization prior to sampling.

Groundwater samples were collected when the following stabilization criteria were met for three consecutive readings:

- pH \pm 0.1 Standard Units
- Specific conductance \pm 5%
- \pm 10% for DO where DO > 0.5 milligrams per liter (mg/L). No criterion applies if DO < 0.5 mg/L.
- Turbidity measurements less than five Nephelometric Turbidity Units (NTUs), or between five and ten NTUs after three hours of purging.
- Temperature - Record only, not used for stabilization criteria.
- ORP - Record only, not used for stabilization criteria.

Once stabilization was achieved, samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Pace® Analytical Services (Pace) in Peachtree Corners (Atlanta), Georgia following standard chain-of-custody protocol. Stabilization logs and equipment calibration forms are included in Appendix D.



3.5 Laboratory Analyses

Laboratory analyses were performed by Pace, of Peachtree Corners (Atlanta), Georgia. Pace is accredited by National Environmental Laboratory Accreditation Program (NELAP) and maintains a NELAP certification for the constituents analyzed. In addition, Pace is certified to perform analysis by the State of Georgia. Groundwater data laboratory reports and chain-of-custody records for the monitoring events are presented in Appendix D.

The groundwater analytical results from the 2023 annual reporting period are summarized in Tables 5 through 7. Analytical data for the spring sample collected in February 2023 are summarized in Table 8 and historical analytical data of the spring is provided in Appendix E. The spring was dry and not sampled for events not included in Appendix E. The pH field measurements recorded during the detection monitoring, verification, and background sampling events are also provided in Tables 5 through 8. Analytical results and field measurements from the background sampling event conducted in December 2023 will be included in subsequent reports.

3.6 Quality Assurance & Quality Control

During each sampling event, quality assurance/quality control (QA/QC) samples were collected. Equipment blanks (where non-dedicated sampling equipment is used) were collected at a rate of one QA/QC sample per ten groundwater samples. Blind field duplicate samples were collected by filling additional containers at the same location during the sampling event at a rate of one QA/QC sample per ten groundwater samples. Field blanks were also collected to evaluate ambient conditions at the sampling locations at a rate of one QA/QC sample per ten groundwater samples.

QA/QC of the groundwater data were assessed by performing a data quality evaluation of the reported laboratory results. A data quality evaluation was conducted on the data using laboratory precision and accuracy, and analytical method requirements (US EPA, 2002). In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal and site-specific guidance documents (US EPA, 2011; US EPA, 2017). The validated data meet project objectives. The data quality evaluations are included in Appendix D.

The analytical results provided in Tables 5 through 7 provide concentrations from the groundwater sampling events as reported by the laboratory.



4 Statistical Analysis

This section presents a summary of the statistical approach applied to assess the 2023 annual groundwater data for potential SSIs of permit stipulated constituents reported in downgradient compliance wells relative to the available historical dataset. The statistical analyses used at the Site for Appendix I and Appendix III constituents were conducted pursuant to 40 CFR § 257.93 in accordance with the Statistical Analysis Method Certification (certified by a registered Professional Engineer) and based on methodology presented in the GWMP (WSP, 2022). Statistical analysis techniques are consistent with the methodology presented in *Statistical Analysis of Groundwater Data at RCRA Facilities*, Unified Guidance, March 2009, EPA 530/R-09-007 (US EPA, 2009), herein after referred to as the Unified Guidance.

4.1 Statistical Methods

Descriptions of the statistical analyses of groundwater quality data obtained in the Groundwater Stats Consulting, LLC (GSC) Statistical Analysis Reports are provided in Appendix F. Table 8 provides a summary of the statistical methodology used at the Site for 2023 groundwater semi-annual events. Sanitas™ groundwater statistical software was used to perform the statistical analyses. Sanitas™ is a commercially available decision support software package that incorporates the statistical tests required of Subtitle C and D facilities by US EPA regulations and guidance as recommended in the Unified Guidance (US EPA, 2009). Detailed statistical methods used for Appendix I and Appendix III constituents are discussed in statistical analysis packages provided in Appendix F and summarized in Section 4.1.1.

4.1.1 APPENDIX I AND APPENDIX III STATISTICAL METHOD

Intrawell and interwell methods were used to analyze the February and July-August 2023 detection groundwater monitoring event results, as summarized in Table 8. Eligibility for intrawell methods is discussed in detail in the Statistical Analysis Reports (Appendix F).

In instances where a potential SSI was identified by intrawell statistical methods, interwell statistical methods were used as a second step to determine if the initial potential SSI was below a sitewide background limit. If the concentrations were above both the intrawell and interwell prediction limits, then an additional verification sampling (i.e., one of two resampling) was collected to verify the potential SSI. When a resample analytical result was below the intrawell prediction limit, then the result was not declared an SSI. If the resample analytical result was above the prediction limit or a resample was not collected, then the SSI was verified and declared.

In instances where a potential SSI was identified by interwell statistical methods, a resample was collected to verify the initial result. When a resample analytical result was below the prediction limit, then the result was not declared an SSI. If the resample analytical results was above the prediction limit or a resample was not collected, then the SSI was verified and declared.

Background data were tested using the Sen's Slope/Mann Kendall or linear regression trend test to confirm suspected increasing or decreasing trends (Appendix F). The distribution of the data determined which trend test was used.



4.2 Statistical Analyses Results

Using the statistical analysis approach described in Section 4.1 for the detection monitoring data and associated verification data, potential SSIs from the February and July-August 2023 events for Appendix I and Appendix III constituents are presented in Tables 9 through 12 below. Potential SSIs addressed by previously submitted alternate source demonstrations (ASDs) or not verified via re-sampling are indicated in the footnotes.

**TABLE 10
 DOWNGRADIENT POTENTIAL SSI SUMMARY
 APPENDIX I CONSTITUENTS
 February 2023
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
 Bartow County, Georgia**

Appendix I Constituents	Downgradient Wells with Potential SSIs
Cells 1 & 2 and 9 & 10	
Mercury	GWC-48 ^{1**}

¹ Potential SSI not verified based on March 2023 resampling event results.

** ASD previously submitted. Refer to Section 5 for more information.



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 Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
 4 Statistical Analysis

TABLE 11
DOWNGRADIENT POTENTIAL SSI SUMMARY
APPENDIX I CONSTITUENTS
 July–August 2023
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
 Bartow County, Georgia

Appendix I Constituents	Downgradient Wells with Potential SSIs
Cells 1 & 2 and 9 & 10	
Mercury	GWC-48**

** ASD previously submitted. Refer to Section 5 for more information.

TABLE 12
DOWNGRADIENT POTENTIAL SSI SUMMARY
APPENDIX III CCR CONSTITUENTS
 February 2023
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
 Bartow County, Georgia

Appendix III Constituents	Downgradient Wells with Potential SSIs
Cells 1 & 2 and 9 & 10	
pH (lower limit)	GWC-9**, GWC-44**, GWC-45**, GWC-48**
TDS	GWC-13 ¹
Cells 3 & 4	
Calcium	GWC-16R**, GWC-17R**, GWC-21R**, GWC-23R**
TDS	GWC-23R**

¹ Potential SSI not verified with April 2023 resampling event.

** ASD previously submitted. Refer to Section 5 for more information.

TABLE 13
DOWNGRADIENT POTENTIAL SSI SUMMARY
APPENDIX III CCR CONSTITUENTS
 July–August 2023
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
 Bartow County, Georgia

Appendix III Constituents	Downgradient Wells with Potential SSIs
Cells 1 & 2 and 9 & 10	
Chloride	GWC-48**
pH (lower limit)	GWC-44**, GWC-45**
Cells 3 & 4	



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4 Statistical Analysis**

Calcium	GWC-16R**, GWC-17R**, GWC-21R**, GWC-23R**
TDS	GWC-23R**

** ASD previously submitted. Refer to Section 5 for more information.



5 Alternate Source Demonstration

Alternate source demonstrations were previously submitted to GA EPD under separate report covers to address potential SSIs of Appendix I and Appendix III constituents. Based on GA EPD guidance, ASDs no longer require concurrence if an SSI has not been detected for two consecutive events, which indicates natural variability. SSIs confirmed during this reporting period are addressed by previous ASDs listed below. SSIs addressed in previous ASDs that were not confirmed during this reporting period are noted in Table 13.

During this reporting period, an ASD was submitted to address potential SSIs for sulfate and TDS identified during the August 2022 event and is noted in Table 13 below (Appendix G).

As described in the ASD, the occurrence of potential SSIs for sulfate and TDS in well GWC-23R are attributed to natural variation. Supporting evidence for this conclusion includes CCR Rule Appendix III indicator parameters boron, chloride, and fluoride are undetected or detected in very low concentrations and pH is within an acceptable range; the similarity in groundwater geochemistry when compared to upgradient wells; and decreasing water levels contrast with increasing sulfate, and TDS concentrations. Additionally, the statistical evaluation of recent groundwater data, including the February and July-August 2023 sampling events, does not identify an SSI of sulfate.

The ASD for beryllium, chloride, and mercury, originally submitted in November 2022, was updated during this reporting period in May 2023. The updated ASD is included in Appendix G.

**TABLE 14
 SSIs ADDRESSED IN PREVIOUS ASDs**

Alternate Source Demonstration	Constituent	Well	Status of Approval by GA EPD
Wood Environment & Infrastructure Solutions, Inc., Alternate Source Demonstration Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Solid Waste Disposal Facility Permit No. 008-018D (LI), April 19, 2018	pH	GWC-44, GWC-45, GWC-48 ⁽¹⁾	Approved 1/30/2019
	Calcium	GWC-16R, GWC-17R, GWC-21R, GWC-23R	
Wood Environment & Infrastructure Solutions, Inc., Alternate Source Demonstration Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Solid Waste Disposal Facility Permit No. 008-018D (LI), August 18, 2020	pH	GWC-9 ⁽¹⁾	Submitted
Stantec, Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January-February 2022 Semi-Annual Event, November 29, 2022, updated May 2023	Chloride	GWC-48	Submitted
	Mercury	GWC-48	



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 Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10
 5 Alternate Source Demonstration**

Alternate Source Demonstration	Constituent	Well	Status of Approval by GA EPD
Stantec, Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event, May 1, 2023	Total dissolved solids	GWC-23R	Submitted

¹ SSI from the previous event not confirmed during most recent sampling event (July-August 2023)



6 Monitoring Program Status

Groundwater monitoring for the Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 is in the detection monitoring phase. Cells 5 & 6 and 7 & 8 are in the background sampling phase. Four of eight background sampling events were conducted in the 2023 annual reporting period per § 257.94. During the 2023 reporting period, no SSIs were verified. Potential SSIs of Appendix III constituents calcium, chloride, pH, and TDS were identified during semi-annual sampling events and were not verified through resampling or were addressed in previously submitted ASDs as described in Section 5.0. Groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 will continue in the detection monitoring phase and background sampling will continue at Cells 5 & 6 and 7 & 8.



7 Conclusions & Future Actions

This 2023 Annual Groundwater Monitoring and Corrective Action Report for Georgia Power's Plant Bowen Landfill Cells 1 & 2, 3 & 4, 5 & 6, 7 & 8, and 9 & 10 was prepared to fulfill the requirements of applicable federal and state CCR Rules and GA EPD Solid Waste Management Rules (40 CFR § 257.90(e) and 391-3-4-.10).

In semi-annual monitoring events in February and July 2023, no verified SSIs of Appendix I and Appendix III constituents were identified. The potential SSIs were either addressed by resampling results not verifying the initial analytical results or previous ASDs. These potential SSIs identified during the annual reporting period are not thought to be the result of a release from the Landfill Cells 1 & 2, 3 & 4, and 9 & 10 and are attributed to natural variability of groundwater chemistry underlying the Site. Groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 will continue in the detection monitoring phase. Background sampling will continue at Cells 5 & 6 and 7 & 8. The next semi-annual groundwater monitoring event is tentatively scheduled for February 2024. The December 2023 background sampling event and upcoming background sampling events will be included in future reports.



8 References

- Croft, M.G., 1963. Geology and ground-water resources of Bartow County, Georgia. U.S. Geological Survey Water-Supply Paper 1619-FF, 37 p.
- Georgia Power Company (GPC), 2021. Composite Site Acceptability Report for CCR Landfill Permit. September 17, 2021. Revised May 9, 2022.
- Southern Company Services, Inc. (SCS), 2002. Plant Bowen Coal Combustion By-Products Storage Facility Site Acceptability Report.
- SCS, 2004. Plant Bowen Proposed Coal Combustion By-Product Monofill Addendum I Site Acceptability Report – Hydrogeological Assessment and Demonstration of Engineering Measures.
- Stantec Consulting Services Inc. (Stantec), 2022. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January-February 2022 Semi-Annual Event Semi-Annual Event Cells 1 & 2, 3 & 4, and 9 & 10, November 31, 2022. Updated April 2023.
- Stantec, 2023. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event Cells 1 & 2, 3 & 4, and 9 & 10, May 1, 2023.
- U. S. Environmental Protection Agency (US EPA), 1989. USEPA 530/SW-89-031 Interim Final RCRA Investigation (RFI) Guidance, Volume I and II.
- US EPA, 2002. Data Validation Standard Operating Procedures and Quality Assurance Manual., November.
- US EPA, March 2009. Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance. USEPA 350/R-09/007 Office of Solid Waste Management Division, U.S. Environmental Protection Agency, Washington, D. C.
- US EPA, 2013. Groundwater Sampling, SESDPROC-301-R3.
- US EPA, 2017. Groundwater Sampling; Science and Ecosystem Support Division, United States Environmental Protection Agency (US EPA) Region 4, SESDPROC-301-R4, April 26, 2017.
- Wood Environment & Infrastructure Solutions, Inc., 2018. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration Cells 1 & 2, 3 & 4, and 9 & 10 (Barium, Zinc, pH, Calcium, Chloride, Sulfate, and TDS various wells), April 19, 2018.
- Wood Environment & Infrastructure Solutions, Inc., 2020. Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10 Alternate Source Demonstration for March 2020 Semi-Annual Event Cells 1 & 2, 3 & 4, and 9 & 10 (Barium, Zinc, pH, Calcium, Chloride, Sulfate, and TDS various wells), August 31, 2020.
- WSP USA Environment & Infrastructure, Inc. Plant Bowen Coal Combustion Residuals (CCR) Landfill Groundwater Monitoring Plan, September 2022.



TABLES

TABLE 1
Summary of Monitoring Well Construction

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia

Well Name	Installation Date	Northing (ft NAD83) ⁽¹⁾	Easting (ft NAD83) ⁽¹⁾	Ground Surface Elevation (ft, NAVD88) ⁽²⁾	Top of Casing Elevation (ft, NAVD88) ⁽²⁾	Top of Screen Elevation (ft, NAVD88) ⁽³⁾	Bottom of Screen Elevation (ft, NAVD88) ⁽³⁾	Well Depth (ft below ground surface)	Lithology Screened	Hydraulic Location and Purpose
Cells 1 & 2 and 9 & 10										
GWA-1	4/12/2007	1502842.29	2071724.15	738.86	741.76	601.13	591.13	147.90	Overburden/Bedrock	Upgradient
GWA-2	4/4/2007	1502640.55	2071935.13	731.48	733.89	590.00	580.00	151.92	Overburden/Bedrock	Upgradient
GWA-2R	8/3/2007	1502615.38	2071965.52	732.66	734.83	637.53	627.53	106.03	Bedrock	Upgradient
GWA-3	4/11/2007	1502386.74	2072067.26	729.90	732.47	644.90	634.90	95.40	Overburden	Upgradient
GWA-3A	3/16/2021	1502374.48	2072061.21	728.68	731.68	601.88	591.88	137.27	Overburden	Upgradient
GWA-4R	3/13/2007	1502246.31	2072317.15	740.65	743.23	657.60	647.60	93.17	Bedrock	Upgradient
GWA-4RZ	10/28/2016	1502238.85	2072329.55	740.04	742.84	633.04	623.04	117.00	Bedrock	Upgradient
GWA-39Z	3/1/2016	1502655.66	2071120.65	731.80	735.15	628.10	618.10	114.00	Overburden	Upgradient
GWA-39RZ	11/4/2016	1502618.73	2071164.20	729.57	732.62	602.57	592.57	137.00	Bedrock	Upgradient
GWA-40	6/7/2011	1503195.09	2071299.94	728.93	731.77	589.03	579.03	150.20	Overburden	Upgradient
GWA-41	6/6/2011	1503519.02	2071046.18	738.91	742.35	646.41	636.41	102.54	Overburden	Upgradient
GWA-41R	6/1/2011	1503527.39	2071050.84	737.95	743.08	635.19	625.19	113.06	Bedrock	Upgradient
GWA-42	6/1/2011	1503823.34	2071049.95	734.45	738.05	662.69	652.69	82.06	Overburden	Upgradient
GWA-43	5/25/2011	1504129.20	2070982.44	707.61	710.94	627.71	617.71	90.20	Overburden	Upgradient
GWA-43R	5/24/2011	1504117.39	2070973.14	707.80	711.19	594.10	584.10	124.20	Bedrock	Upgradient
GWA-50	6/4/2008	1502154.80	2072442.13	728.74	731.21	644.71	634.71	94.33	Overburden	Upgradient
GWA-50R	6/10/2008	1502150.85	2072448.35	727.87	730.37	599.69	589.69	138.48	Bedrock	Upgradient
GWC-5	4/18/2006	1502341.56	2072677.44	735.11	737.56	634.00	624.00	111.29	Overburden	Downgradient
GWC-6	5/1/2007	1502520.08	2072962.89	725.97	728.64	628.35	618.35	107.53	Overburden	Downgradient
GWC-6RZ	4/28/2015	1502502.00	2072900.50	728.66	731.91	633.66	623.66	105.30	Bedrock	Downgradient
GWC-7Z	5/19/2016	1502640.13	2073193.22	709.70	713.04	606.00	596.00	114.00	Overburden	Downgradient
GWC-8Z	4/28/2015	1502827.67	2073526.15	698.68	702.09	635.68	625.68	73.30	Overburden	Downgradient
GWC-8RR	6/27/2011	1502857.71	2073501.74	698.96	701.92	601.96	591.96	107.30	Bedrock	Downgradient

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Cells 1 & 2 and 9 & 10										
GWC-9	8/16/2006	1503018.96	2073781.05	691.99	694.67	631.81	621.81	70.47	Overburden	Downgradient
GWC-10	9/6/2006	1503162.70	2074019.96	684.89	687.87	626.70	616.70	68.33	Overburden	Downgradient
GWC-10R	5/15/2007	1503154.01	2074020.44	685.33	687.95	599.83	589.83	95.18	Bedrock	Downgradient
GWC-11	6/1/2007	1503390.40	2073829.95	675.04	677.83	643.28	633.28	41.71	Overburden	Downgradient
GWC-11R	5/31/2007	1503395.25	2073828.03	675.98	677.73	608.08	598.08	78.85	Bedrock	Downgradient
GWC-12	6/4/2007	1503662.54	2073693.63	674.66	677.25	636.56	626.56	48.41	Overburden	Downgradient
GWC-13	5/31/2007	1503898.17	2073495.16	684.19	686.76	613.75	603.75	80.43	Overburden	Downgradient
GWC-13R	6/5/2007	1503908.53	2073501.95	683.17	685.97	594.17	584.17	99.10	Bedrock	Downgradient ⁽⁴⁾
GWC-13RZ	11/2/2016	1503926.70	2073517.44	681.71	684.60	589.71	579.71	102.00	Bedrock	Downgradient
GWC-14	8/22/2007	1504059.92	2073205.96	684.04	686.81	616.30	606.30	78.01	Overburden	Downgradient ⁽⁴⁾
GWC-14Z	11/3/2016	1504060.77	2073193.66	684.34	687.28	621.34	611.34	73.00	Overburden	Downgradient
GWC-15	6/1/2007	1503943.59	2072927.52	692.75	695.19	635.74	625.74	67.11	Overburden	Downgradient ⁽⁴⁾
GWC-15Z	10/31/2016	1503952.26	2072918.71	693.28	695.92	631.28	621.28	72.00	Overburden	Downgradient
GWC-15R	5/24/2007	1503936.17	2072919.39	693.39	696.13	611.25	601.25	92.36	Bedrock	Downgradient
GWC-44	6/9/2011	1504436.66	2071414.30	710.15	712.89	637.22	627.22	83.23	Overburden	Downgradient
GWC-45	5/17/2007	1504539.38	2071956.71	698.41	701.53	643.98	633.98	64.73	Overburden	Downgradient
GWC-45R	5/22/2007	1504538.68	2071945.39	699.00	702.02	583.56	573.56	125.74	Bedrock	Downgradient
GWC-46R	8/15/2014	1504522.23	2072184.47	687.94	690.49	641.84	631.84	56.50	Bedrock	Downgradient
GWC-47	4/23/2014	1504543.69	2072481.34	687.44	690.86	630.44	620.44	67.33	Overburden	Downgradient
GWC-47R	4/24/2014	1504539.25	2072467.10	687.71	691.13	616.91	606.91	81.20	Bedrock	Downgradient
GWC-48	6/8/2011	1504490.63	2072851.71	686.20	688.33	642.70	632.70	54.00	Overburden	Downgradient
GWC-49Z	3/1/2016	1504238.30	2072896.49	706.12	709.11	626.92	616.92	89.50	Overburden	Downgradient
GWC-49R	4/17/2014	1504246.02	2072918.76	706.24	709.56	585.54	575.54	131.10	Bedrock	Downgradient

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Cells 3 & 4, 5 & 6, and 7 & 8										
GWA-33	4/23/2023	1504340.99	2075103.67	672.57	675.48	618.57	608.57	64.50	Overburden	Upgradient ⁽⁴⁾
GWA-33R	5/18/2023	1504344.03	2075078.25	672.13	675.20	572.43	562.43	109.70	Bedrock	Upgradient
GWA-34	5/22/2023	1504387.10	2074401.03	670.19	673.25	614.89	604.89	65.40	Overburden	Upgradient
GWA-34R	5/21/2023	1504398.26	2074378.34	670.24	672.95	582.24	572.24	98.50	Bedrock	Upgradient
GWA-35	4/21/2023	1504694.22	2074045.15	693.83	696.66	637.83	627.83	66.00	Overburden	Upgradient
GWA-36A	3/18/2022	1505026.95	2073357.46	680.63	683.75	588.80	578.80	102.16	Overburden	Upgradient
GWA-36R	6/15/2011	1505051.72	2073384.47	681.41	684.16	605.71	595.71	86.00	Bedrock	Upgradient
GWA-36RA	7/2/2021	1505060.13	2073365.45	682.26	684.50	583.26	573.26	109.40	Bedrock	Upgradient
GWA-37	9/11/2013	1505345.45	2073069.32	700.44	703.72	606.24	596.24	104.50	Overburden	Upgradient
GWA-38	6/13/2011	1505501.33	2072831.77	713.32	716.24	658.62	648.62	65.00	Overburden	Upgradient
GWA-57	5/17/2023	1504324.30	2074803.90	672.06	675.07	604.06	594.06	78.00	Overburden	Upgradient
GWC-16R	12/13/2011	1505877.86	2072607.38	727.77	730.59	643.07	633.07	95.00	Bedrock	Downgradient
GWC-17R	12/8/2011	1506069.29	2072829.29	730.02	733.37	650.82	640.82	89.50	Bedrock	Downgradient
GWC-18	6/6/2011	1506306.70	2072929.28	718.92	721.88	651.22	640.22	77.00	Overburden	Downgradient
GWC-18R	6/2/2011	1506301.39	2072929.47	718.97	721.76	591.77	581.77	137.50	Bedrock	Downgradient
GWC-19R	6/7/2011	1506395.96	2073158.36	723.13	726.31	589.43	579.43	144.00	Bedrock	Downgradient
GWC-20R	6/9/2011	1506602.14	2073486.53	717.63	720.59	643.63	633.63	84.30	Bedrock	Downgradient
GWC-21R	12/16/2011	1506602.14	2073784.42	720.45	723.07	641.25	631.25	89.50	Bedrock	Downgradient
GWC-22R	6/14/2011	1506602.14	2074105.65	712.54	715.41	605.84	595.84	117.00	Bedrock	Downgradient
GWC-23R	6/28/2011	1506602.14	2074446.53	688.02	690.94	651.32	641.32	47.00	Bedrock	Downgradient
GWC-24R	6/21/2011	1506602.14	2074806.11	673.76	676.57	647.06	637.06	37.00	Bedrock	Downgradient

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Cells 3 & 4, 5 & 6, and 7 & 8										
GWC-25R	6/21/2011	1506602.14	2075088.90	673.59	676.42	586.89	576.89	97.00	Bedrock	Downgradient
GWC-26	4/20/2023	1506231.66	2075314.34	673.15	676.28	644.45	634.45	39.10	Overburden	Downgradient
GWC-27	4/23/2023	1506039.67	2075488.36	673.21	675.85	641.01	631.01	42.50	Overburden	Downgradient
GWC-27R	5/5/2023	1506022.31	2075508.50	673.29	676.17	594.99	584.99	88.70	Bedrock	Downgradient
GWC-28	4/22/2023	1505801.71	2075741.93	672.82	675.30	638.52	628.52	44.70	Overburden	Downgradient
GWC-29	5/1/2023	1505509.84	2075871.18	676.13	679.29	628.33	618.33	58.20	Overburden	Downgradient
GWC-29R	5/15/2023	1505485.90	2075868.31	676.22	679.12	580.22	570.22	106.00	Bedrock	Downgradient
GWC-30	4/25/2023	1505206.17	2075851.47	681.86	685.00	643.86	633.86	48.00	Overburden	Downgradient
GWC-31	5/8/2023	1504927.59	2075816.91	680.20	683.13	623.40	613.40	67.20	Overburden	Downgradient
GWC-31R	5/4/2023	1504953.36	2075819.55	680.18	683.09	584.18	574.18	106.50	Bedrock	Downgradient
GWC-32	5/9/2023	1504607.45	2075753.72	688.93	692.18	640.33	630.33	59.00	Overburden	Downgradient

Notes:

- (1) NAD83 indicates elevation in feet (ft) referenced to the North American Datum of 1983. Coordinates are from March 2021 re-survey of the Landfill wells by Donaldson & Garret Associates, Inc.
- (2) NAVD88 indicates elevation in ft referenced to the North American Vertical Datum 1988. Elevations are from March 2021 re-survey of the Landfill wells by Donaldson & Garret Associates, Inc.
- (3) Screen elevations calculated using depth below ground surface and ground surface elevations from the March 2021 re-survey.
- (4) Piezometer measured for water level only.
- (5) Total well depth provided on well construction logs.
- (6) GWC-18 screened interval lengths updated January 2023

TABLE 2

Groundwater Sampling Event Summary

**Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia**

Well ID	Hydraulic Location	Summary of Sampling Events								Status of Monitoring Well
		February 8 - February 22, 2023	March 16, 2023, April 11, 2023	June 20 - June 28, 2023	July 25 - August 4, 2023	August 7 - August 10, 2023	September 25 - September 26, 2023	October 10 - October 11, 2023	December 12 - December 13, 2023	
Purpose of Sampling Event		Detection	Verification	Background	Detection	Background	Verification	Background	Background	
LANDFILL CELLS 1 & 2 and 9 & 10 MONITORING WELL SYSTEM										
GWA-1	Upgradient	X			X					Detection Monitoring
GWA-2	Upgradient	X			X					Detection Monitoring
GWA-2R	Upgradient	X			X					Detection Monitoring
GWA-3A	Upgradient	X			X					Detection Monitoring
GWA-4RZ	Upgradient	X			X					Detection Monitoring
GWA-39Z	Upgradient	X			X					Detection Monitoring
GWA-39RZ	Upgradient	X			X					Detection Monitoring
GWA-40	Upgradient	X			X					Detection Monitoring
GWA-41	Upgradient	X			X					Detection Monitoring
GWA-41R	Upgradient	X			X					Detection Monitoring
GWA-42	Upgradient	X			X					Detection Monitoring
GWA-43	Upgradient	X			X					Detection Monitoring
GWA-43R	Upgradient	X			X					Detection Monitoring
GWA-50	Upgradient	X			X					Detection Monitoring
GWA-50R	Upgradient	X			X					Detection Monitoring
GWC-5	Downgradient	X			X					Detection Monitoring
GWC-6	Downgradient	X			X					Detection Monitoring
GWC-6RZ	Downgradient	X			X					Detection Monitoring
GWC-7Z	Downgradient	X			X					Detection Monitoring
GWC-8Z	Downgradient	X			X					Detection Monitoring
GWC-8RR	Downgradient	X			X					Detection Monitoring
GWC-9	Downgradient	X			X					Detection Monitoring
GWC-10	Downgradient	X			X					Detection Monitoring
GWC-10R	Downgradient	X			X					Detection Monitoring
GWC-11	Downgradient	X			X					Detection Monitoring
GWC-11R	Downgradient	X			X					Detection Monitoring
GWC-12	Downgradient	X			X					Detection Monitoring
GWC-13	Downgradient	X	X		X					Detection Monitoring
GWC-13RZ	Downgradient	X			X					Detection Monitoring
GWC-14Z	Downgradient	X			X					Detection Monitoring
GWC-15Z	Downgradient	X			X					Detection Monitoring
GWC-15R	Downgradient	X			X					Detection Monitoring
GWC-44	Downgradient	X			X					Detection Monitoring
GWC-45	Downgradient	X			X					Detection Monitoring
GWC-45R	Downgradient	X			X					Detection Monitoring
GWC-46R	Downgradient	X			X					Detection Monitoring
GWC-47	Downgradient	X			X					Detection Monitoring
GWC-47R	Downgradient	X			X					Detection Monitoring
GWC-48	Downgradient	X	X		X		X			Detection Monitoring
GWC-49Z	Downgradient	X			X					Detection Monitoring
GWC-49R	Downgradient	X			X					Detection Monitoring
LANDFILL CELLS 3 & 4, 5 & 6, AND 7 & 8 MONITORING WELL SYSTEM										
GWA-33R ⁽¹⁾	Upgradient			X		X		X	X	Detection Monitoring
GWA-34 ⁽¹⁾	Upgradient			X		X		X	X	Detection Monitoring
GWA-34R ⁽¹⁾	Upgradient			X		X		X	X	Detection Monitoring
GWA-35 ⁽¹⁾	Upgradient			X		X		X	X	Detection Monitoring
GWA-36A	Upgradient	X			X					Detection Monitoring
GWA-36RA	Upgradient	X			X					Detection Monitoring
GWA-37	Upgradient	X			X					Detection Monitoring
GWA-38	Upgradient	X			X					Detection Monitoring
GWA-57 ⁽¹⁾	Upgradient			X		X		X	X	Detection Monitoring
GWC-16R	Downgradient	X			X					Detection Monitoring
GWC-17R	Downgradient	X			X					Detection Monitoring

TABLE 2 **Georgia Power Company - Plant Bowen**
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia
Groundwater Sampling Event Summary

Well ID	Hydraulic Location	Summary of Sampling Events								Status of Monitoring Well
		February 8 - February 22, 2023	March 16, 2023, April 11, 2023	June 20 - June 28, 2023	July 25 - August 4, 2023	August 7 - August 10, 2023	September 25 - September 26, 2023	October 10 - October 11, 2023	December 12 - December 13, 2023	
Purpose of Sampling Event		Detection	Verification	Background	Detection	Background	Verification	Background	Background	
GWC-18	Downgradient	X			X					Detection Monitoring
GWC-18R	Downgradient	X			X					Detection Monitoring
GWC-19R	Downgradient	X			X					Detection Monitoring
GWC-20R	Downgradient	X			X					Detection Monitoring
GWC-21R	Downgradient	X			X					Detection Monitoring
GWC-22R	Downgradient	X			X					Detection Monitoring
GWC-23R	Downgradient	X			X		X			Detection Monitoring
GWC-24R	Downgradient	X			X					Detection Monitoring
GWC-25R	Downgradient	X			X					Detection Monitoring
GWC-26 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-27 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-27R ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-28 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-29 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-29R ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-30 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-31 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-31R ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring
GWC-32 ⁽¹⁾	Downgradient			X		X		X	X	Detection Monitoring

Notes:
X - indicates well sampled during event
(1) New wells installed April-May 2023

**TABLE 3
SUMMARY OF GROUNDWATER ELEVATIONS**

**Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia**

Well ID	Top of Casing Elevation (feet NAVD88)	Depth to Water (feet, below TOC) 2/6/2023	Groundwater Elevation (feet NAVD88) 2/6/2023	Depth to Water (feet, below TOC) 7/24/2023	Groundwater Elevation (feet NAVD88) 7/24/2023
Landfill Cells 1 & 2 and 9 & 10					
GWA-1	741.76	81.32	660.44	86.30	655.46
GWA-2	733.89	77.43	656.46	82.05	651.84
GWA-2R	734.83	77.65	657.18	82.11	652.72
GWA-3A	731.68	74.31	657.37	79.63	652.05
GWA-4R	743.23	84.70	658.53	87.67	655.56
GWA-4RZ	742.84	83.83	659.01	87.49	655.35
GWA-39Z	735.15	61.71	673.44	68.94	666.21
GWA-39RZ	732.62	59.02	673.60	67.25	665.37
GWA-40	731.77	65.05	666.72	72.84	658.93
GWA-41	742.35	73.10	669.25	82.69	659.66
GWA-41R	743.08	73.81	669.27	83.45	659.63
GWA-42	738.05	72.23	665.82	79.58	658.47
GWA-43	710.94	47.30	663.64	55.92	655.02
GWA-43R	711.19	47.70	663.49	56.24	654.95
GWC-44	712.89	46.33	666.56	56.40	656.49
GWC-45	701.53	37.34	664.19	45.62	655.91
GWC-45R	702.02	47.60	654.42	52.59	649.43
GWC-46R	690.49	35.12	655.37	39.79	650.70
GWC-47	690.86	36.37	654.49	41.01	649.85
GWC-47R	691.13	36.45	654.68	41.15	649.98
GWC-48	688.33	33.33	655.00	38.85	649.48
GWC-49Z	709.11	51.31	657.80	56.82	652.29
GWC-49R	709.56	52.03	657.53	57.51	652.05
GWA-50	731.21	59.06	672.15	61.30	669.91
GWA-50R	730.37	70.42	659.95	77.29	653.08
GWC-5	737.56	74.51	663.05	80.40	657.16
GWC-6	728.64	67.62	661.02	75.10	653.54
GWC-6RZ	731.91	71.80	660.11	78.69	653.22
GWC-7Z	713.04	51.85	661.19	59.90	653.14
GWC-8Z	702.09	41.91	660.18	49.32	652.77
GWC-8RR	701.92	41.89	660.03	49.13	652.79
GWC-9	694.67	37.45	657.22	42.90	651.77
GWC-10	687.87	29.92	657.95	36.11	651.76
GWC-10R	687.95	29.94	658.01	36.19	651.76
GWC-11	677.83	20.56	657.27	25.95	651.88
GWC-11R	677.73	20.51	657.22	25.87	651.86
GWC-12	677.25	19.91	657.34	25.10	652.15
GWC-13	686.76	29.20	657.56	34.60	652.16
GWC-13R	685.97	28.68	657.29	33.88	652.09
GWC-13RZ	684.60	65.78	618.82	69.34	615.26
GWC-14	686.81	29.15	657.66	34.48	652.33
GWC-14Z	687.28	28.68	658.60	33.94	653.34
GWC-15	695.19	36.50	658.69	42.32	652.87
GWC-15R	696.13	37.64	658.49	43.42	652.71
GWC-15Z	695.92	37.34	658.58	43.08	652.84
Landfill Cells 3 & 4, 5 & 6, and 7 & 8					
GWA-33 ⁽¹⁾	675.48	NA	NA	23.99	651.49
GWA-33R ⁽¹⁾	675.20	NA	NA	23.67	651.53
GWA-34 ⁽¹⁾	673.25	NA	NA	20.42	652.83
GWA-34R ⁽¹⁾	672.95	NA	NA	20.23	652.72
GWA-35 ⁽¹⁾	696.66	NA	NA	43.48	653.18
GWA-36A	683.75	28.14	655.61	33.08	650.67
GWA-36RA	684.50	29.90	654.60	34.58	649.92
GWA-37	703.72	48.18	655.54	51.50	652.22
GWA-38	716.24	51.31	664.93	52.44	663.80
GWA-57 ⁽¹⁾	675.07	NA	NA	23.25	651.82
GWC-16R	730.59	78.77	651.82	78.72	651.87
GWC-17R	733.37	82.24	651.13	83.61	649.76
GWC-18	721.88	72.40	649.48	74.72	647.16
GWC-18R	721.76	71.84	649.92	74.51	647.25
GWC-19R	726.31	75.84	650.47	78.41	647.90
GWC-20R	720.59	69.67	650.92	72.33	648.26
GWC-21R	723.07	70.19	652.88	72.63	650.44
GWC-22R	715.41	62.26	653.15	65.20	650.21
GWC-23R	690.94	37.53	653.41	40.47	650.47
GWC-24R	676.57	23.18	653.39	26.17	650.40
GWC-25R	676.42	22.28	654.14	25.27	651.15
GWC-26 ⁽¹⁾	676.28	NA	NA	24.85	651.43
GWC-27 ⁽¹⁾	675.85	NA	NA	24.84	651.01
GWC-27R ⁽¹⁾	676.17	NA	NA	24.86	651.31
GWC-28 ⁽¹⁾	675.30	NA	NA	23.69	651.61
GWC-29 ⁽¹⁾	679.29	NA	NA	28.11	651.18
GWC-29R ⁽¹⁾	679.12	NA	NA	27.90	651.22
GWC-30 ⁽¹⁾	685.00	NA	NA	34.03	650.97
GWC-31 ⁽¹⁾	683.13	NA	NA	32.30	650.83
GWC-31R ⁽¹⁾	683.09	NA	NA	32.28	650.81
GWC-32 ⁽¹⁾	692.18	NA	NA	41.33	650.85

Notes:
 TOC - top of casing
 NAVD88 indicates the North American Vertical Datum 1988. Elevations from March 2021 re-survey of the Landfill wells by Donaldson & Garret Associates, Inc.
 (1) Groundwater wells in Cells 5 & 6 and 7 & 8 were newly installed and were not in place at the time of the February Semi-Annual Sampling Event. No water levels were collected for this event.

TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS - FEBRUARY AND JULY-AUGUST 2023

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
Bartow County, Georgia

Flow Paths	Groundwater Measurement Date	Groundwater Elevations in Well Pairs (h ₁ , h ₂) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/foot)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n _e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)	
Landfill Cells 1 & 2 and 9 & 10	GWC-5 to GWC-9	2/6/2023	663.05	657.22	5.83	1302	0.004	0.072	0.01	0.03	11.8
	GWA-50 to GWC-6	2/6/2023	672.15	661.02	11.13	650	0.017	0.072	0.01	0.12	45.0
	GWC-5 to GWC-9	7/24/2023	657.16	651.77	5.39	1302	0.004	0.072	0.01	0.03	10.9
	GWA-50 to GWC-6	7/24/2023	669.91	653.54	16.37	650	0.025	0.072	0.01	0.18	66.2
	GWC-8RR to GWC-10R	2/6/2023	660.03	658.01	2.02	600	0.003	0.36	0.01	0.12	44.2
	GWA-6RZ to GWC-15R	2/6/2023	660.11	658.49	1.62	1439	0.001	0.36	0.01	0.04	14.8
	GWC-8RR to GWC-10R	7/24/2023	652.79	651.76	1.03	600	0.002	0.36	0.01	0.06	22.6
	GWA-6RZ to GWC-15R	7/24/2023	653.22	652.71	0.51	1439	0.000	0.36	0.01	0.01	4.7
	GWA-40 to GWC-47	2/6/2023	666.72	654.49	12.23	1786	0.007	0.072	0.01	0.05	18.0
	GWC-45 to GWC-47	2/6/2023	664.19	654.49	9.70	525	0.018	0.072	0.01	0.13	48.6
	GWA-40 to GWC-47	7/24/2023	658.93	649.85	9.08	1786	0.005	0.072	0.01	0.04	13.4
	GWC-45 to GWC-47	7/24/2023	655.91	649.85	6.06	525	0.012	0.072	0.01	0.08	30.3
	GWA-41R to GWC-45R	2/6/2023	669.27	654.42	14.85	1348	0.011	0.36	0.01	0.40	144.8
	GWC-49R to GWC-47R	2/6/2023	657.53	654.68	2.85	547	0.005	0.36	0.01	0.19	68.5
	GWA-41R to GWC-45R	7/24/2023	659.63	649.43	10.20	1348	0.008	0.36	0.01	0.27	99.4
	GWC-49R to GWC-47R	7/24/2023	652.05	649.98	2.07	547	0.004	0.36	0.01	0.14	49.7

TABLE 4
GROUNDWATER FLOW VELOCITY CALCULATIONS - FEBRUARY AND JULY-AUGUST 2023

Georgia Power Company - Plant Bowen
 Landfill Cells 1&2, 3&4, 5&6, 7&8, and 9&10
 Bartow County, Georgia

Flow Paths		Groundwater Measurement Date	Groundwater Elevations in Well Pairs (h ₁ , h ₂) (feet)		Change in Elevation (Δh) (feet)	Distance Measured (L) (feet)	Hydraulic Gradient (i) (feet/foot)	Average Hydraulic Conductivity (K) (feet/day)	Estimated Effective Porosity (n _e)	Calculated Groundwater Flow Velocity (V) (feet/day)	Calculated Groundwater Flow Velocity (V) (feet/year)
Landfill Cells 3 & 4	GWA-37 to GWC-18	2/6/2023	655.54	649.48	6.06	977	0.006	0.072	0.01	0.04	16.3
	GWA-37 to GWC-18	7/24/2023	652.22	647.16	5.06	977	0.005	0.072	0.01	0.04	13.6
	GWC-25R to GWC-21R	2/6/2023	654.14	652.88	1.26	1325	0.001	0.36	0.01	0.03	12.5
	GWC-25R to GWC-21R	7/24/2023	651.15	650.44	0.71	1325	0.001	0.36	0.01	0.02	7.0

Notes:

The average hydraulic conductivity values, measured in centimeters/second (cm/sec) used in the soil aquifer calculations (2.54×10^{-5} cm/sec = 0.072 ft/day) and the aquifer calculations (1.26×10^{-4} cm/sec = 0.36 ft/day) are presented in the 2002 Plant Bowen Proposed Coal Combustion By-Product Storage Facility Site Acceptability Report. An estimated effective porosity of 0.01 (based on default soil type value for silty clays to clays in USEPA 530/SW-89-031) of the screened horizon.

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID											
		GWA-1	GWA-1	GWA-2	GWA-2	GWA-2R	GWA-2R	GWA-3A	GWA-3A	GWA-4RZ	GWA-4RZ	GWA-39Z	GWA-39Z
		2/16/2023	7/27/2023	2/16/2023	7/27/2023	2/16/2023	7/27/2023	2/17/2023	8/1/2023	2/17/2023	7/28/2023	2/13/2023	7/26/2023
Appendix III	Boron	< 0.0086	0.015 J	< 0.0086	< 0.0086	0.017 J	0.015 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	0.012 J
	Calcium	33.3	29.1	60.5	23.3	51.6	28.0	22.4	22.6	59.4	43.0	12.8	12.5
	Chloride	1.2	1.2	1.6	1.3	1.9	0.92 J	6.3	5.7	3.0	3.0	1.3	1.3
	Fluoride	0.070 J	0.054 J	0.061 J	0.057 J	0.079 J	0.062 J	0.055 J	< 0.050	0.11	0.077 J	0.064 J	0.055 J
	pH	7.39	7.08	6.56	6.06	7.02	6.49	7.71	7.66	6.98	6.93	6.35	5.77
	Sulfate	1.1	1.4	115	44.0	38.9	17.6	2.5	3.0	21.2	19.6	1.7	1.5
	TDS	152	167	267	177	197	155	117	113	252	243	105	57.0
Appendix I	Antimony	0.016	0.011	< 0.00078	< 0.0012	0.0048	0.0095	< 0.00078	< 0.0012	< 0.00078	< 0.0012	0.00087 J	0.0028 J
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037
	Barium	0.018	0.018	0.029	0.020	0.028	0.024	0.0065	0.0074	0.043	0.043	0.018	0.016
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.00065 J	< 0.00039	< 0.00039	< 0.00039	0.017	0.020	< 0.00039	< 0.00039
	Copper	< 0.0010	0.0012 J	< 0.0010	< 0.0010	0.0011 J	0.0017 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	0.00017 J	< 0.00013	0.00013 J	< 0.00013	< 0.00013	< 0.00013	0.00013 J	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.00095 J	0.0013 J
	Selenium	< 0.0014	< 0.0014	0.0014 J	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	
Zinc	< 0.0085	< 0.0085	< 0.0085	0.011 J	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	162	168	89.3	68.0	134	112	100	103	241	244	155	150
	Alkalinity, Bicarbonate	162	168	89.3	68.0	134	112	100	103	241	244	155	150
	Magnesium	16.3	14.4	16.0	7.8	10.9	7.7	11.4	11.4	24.9	18.2	15.7	18.7
	Sodium	6.0	5.0	1.8	1.4	2.7	1.1	4.2	4.7	3.3	4.1	1.8	1.6
	Potassium	1.2	1.3	0.91	0.69	0.61	0.59	1.3	1.3	0.78	0.77	1.0	1.1 J

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID									
		GWA-39RZ	GWA-39RZ	GWA-40	GWA-40	GWA-41	GWA-41	GWA-41R	GWA-41R	GWA-42	GWA-42
		2/14/2023	7/25/2023	2/13/2023	7/26/2023	2/13/2023	7/25/2023	2/13/2023	7/25/2023	2/13/2023	7/26/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	0.0091 J	< 0.0086	0.012 J	0.017 J	0.011 J	< 0.0086	< 0.0086
	Calcium	31.4	35.7	18.4	18.0	26.9	10.8	38.6	36.7	35.7	35.7
	Chloride	1.6	1.7	1.1	0.92 J	1.6	0.97 J	1.5	1.3	2.4	1.9
	Fluoride	0.074 J	< 0.050	0.054 J	< 0.050	0.050 J	< 0.050	< 0.050	< 0.050	0.056 J	< 0.050
	pH	7.48	7.19	6.94	6.46	6.25	5.58	6.45	6.19	6.83	6.92
	Sulfate	6.3	4.9	1.4	1.4	6.0	1.1	10.2	3.0	1.6	1.1
	TDS	149	158	259	70.0	111	43.0	163	162	226	134
Appendix I	Antimony	0.0019 J	< 0.0012	< 0.00078	< 0.0012	< 0.00078	0.0029 J	0.0045	0.0021 J	< 0.00078	< 0.0012
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037
	Barium	0.014	0.014	0.0075	0.0081	0.029	0.018	0.028	0.023	0.0061	0.0064
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.00015 J	0.00019 J
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.00013 J
	Chromium	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.00053 J	0.00039 J	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0012 J	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	0.00014 J	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00017 J	< 0.00013	0.00013 J	< 0.00013	0.00014 J	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.00073 J	< 0.00071	< 0.00071	0.0013 J	0.0015 J
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	0.011 J	< 0.0085	
Additional Parameters	Alkalinity, Total	63.9	60.2	102	86.2	119	48.9	188	172	148	146
	Alkalinity, Bicarbonate	63.9	60.2	102	86.2	119	48.9	188	172	148	146
	Magnesium	6.7	6.7	9.6	9.8	13.3	5.4	19.3	19.1	13.6	13.7
	Sodium	2.0	2.3	1.2	1.4	0.93 J	0.82 J	0.70 J	1.1	1.9	1.2
	Potassium	1.3	1.2 J	0.89	0.90 J	0.93	0.38 J	2.0	1.8 J	0.40 J	< 0.31

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID									
		GWA-43	GWA-43	GWA-43R	GWA-43R	GWA-50	GWA-50	GWA-50R	GWA-50R	GWC-5	GWC-5
		2/14/2023	7/25/2023	2/13/2023	7/25/2023	2/16/2023	7/28/2023	2/16/2023	7/28/2023	2/20/2023	7/28/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	0.012 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	2.2	2.2	28.5	34.2	1.4	1.3	0.81 J	0.60 J	3.5	1.9
	Chloride	1.3	1.4	1.8	2.0	0.91 J	0.95 J	0.71 J	0.72 J	0.88 J	0.69 J
	Fluoride	0.052 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
	pH	5.24	4.64	7.82	7.31	4.95	4.66	4.73	4.24	5.78	5.06
	Sulfate	< 0.50	< 0.50	2.5	2.6	< 0.50	0.53 J	0.58 J	0.71 J	1.4	1.4
	TDS	60.9	< 25.0	126	167	< 25.0	< 25.0	< 25.0	< 25.0	53.0	< 25.0
Appendix I	Antimony	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037
	Barium	0.011	0.012	0.0064	0.0073	0.0067	0.0075	0.0081	0.0079	0.012	0.012
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.00060	0.00076
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	0.0016 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0015 J	0.0023 J	0.0028 J	0.0034 J	0.023	0.024
	Lead	< 0.00089	0.00018 J	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.00082 J	0.00094 J	0.00081 J	0.00092 J	0.0087	0.0090
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	0.00044 J	0.0011 J	0.00091 J	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	0.032	0.027	
Additional Parameters	Alkalinity, Total	7.4	6.8	138	152	< 5.0	5.9	< 5.0	< 5.0	11.4	8.4
	Alkalinity, Bicarbonate	7.4	6.8	138	152	< 5.0	5.9	< 5.0	< 5.0	11.4	8.4
	Magnesium	0.51	0.48	15.2	19.1	0.29	0.27	0.33	0.22	0.25	0.21
	Sodium	1.2	1.2	1.0	1.1	1.6	1.2	0.89 J	0.68 J	1.6	1.3
	Potassium	0.28 J	0.39 J	0.49 J	0.45 J	0.27 J	0.35 J	0.25 J	0.24 J	1.6	1.3

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID											
		GWC-6	GWC-6	GWC-6RZ	GWC-6RZ	GWC-7Z	GWC-7Z	GWC-8RR	GWC-8RR	GWC-8Z	GWC-8Z	GWC-9	GWC-9
		2/17/2023	7/31/2023	2/17/2023	7/28/2023	2/20/2023	7/31/2023	2/21/2023	7/31/2023	2/20/2023	7/31/2023	2/21/2023	7/31/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	15.2	14.6	9.7	7.1	26.1	23.6	18.0	23.0	18.5	20.8	2.3	11.6
	Chloride	1.4	1.3	1.5	1.3	0.94 J	0.94 J	0.97 J	0.98 J	1.6	1.5	2.1	2.0
	Fluoride	< 0.050	< 0.050	0.052 J	< 0.050	0.057 J	< 0.050	0.057 J	< 0.050	0.061 J	0.056 J	< 0.050	< 0.050
	pH	7.11	6.86	6.41	6.22	7.40	6.52	7.88	7.47	6.87	6.52	4.59	5.38
	Sulfate	2.0	1.7	1.8	1.7	1.7	1.1	1.7	0.86 J	1.1	0.81 J	3.0	4.1
	TDS	75.0	77.0	50.0	46.0	122	113	77.0	96.0	86.0	97.0	< 25.0	62.0
Appendix I	Antimony	< 0.00078	< 0.0012	< 0.00078	< 0.0012	0.0012 J	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	0.0028 J	< 0.0037
	Barium	0.0067	0.0067	0.0067	0.0062	0.015	0.014	0.011	0.012	0.024	0.024	0.042	0.046
	Beryllium	< 0.000054	< 0.000054	0.000054 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.000056 J	0.00017 J	0.000097 J
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	0.0031 J	0.0024 J	0.0022 J	0.0023 J	0.0012 J	< 0.0011	0.0053	< 0.0011	< 0.0011	0.0016 J	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.00043 J	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.0010 J	0.00071 J
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	0.0030 J	< 0.0025	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	69.3	67.0	44.1	41.2	124	120	79.7	102	75.3	83.5	< 5.0	44.3
	Alkalinity, Bicarbonate	69.3	67.0	44.1	41.2	124	120	79.7	102	75.3	83.5	< 5.0	44.3
	Magnesium	7.4	7.4	5.0	3.7	13.2	12.4	8.0	10.7	7.1	7.1	1.1	4.6
	Sodium	0.92 J	0.94 J	1.6	1.2	2.6	2.3	1.5	0.78 J	1.8	1.8	0.99 J	1.2
	Potassium	1.1	0.97	0.96	0.57	0.81	0.90	1.4	1.2	1.7	1.6	0.93	0.96

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID									
		GWC-10	GWC-10	GWC-10R	GWC-10R	GWC-11	GWC-11	GWC-11R	GWC-11R	GWC-12	GWC-12
		2/20/2023	7/31/2023	2/20/2023	7/31/2023	2/20/2023	8/1/2023	2/20/2023	8/1/2023	2/21/2023	8/1/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	9.0	33.7	46.2	42.5	7.4	23.1	32.5	30.0	7.9	7.8
	Chloride	1.9	2.1	2.4	2.3	1.2	1.3	1.6	1.6	0.99 J	0.96 J
	Fluoride	< 0.050	0.070 J	< 0.050	< 0.050	< 0.050	0.050 J	< 0.050	< 0.050	0.054 J	< 0.050
	pH	5.39	6.58	7.08	7.16	5.52	6.71	7.20	7.3	6.18	5.45
	Sulfate	1.5	1.6	1.5	1.3	1.7	2.1	1.8	1.9	< 0.50	< 0.50
	TDS	47.0	143	154	144	98.0	121	149	151	42.0	63.0
Appendix I	Antimony	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	0.0017 J	< 0.0012
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	0.0094	0.0065
	Barium	0.020	0.015	0.024	0.024	0.0071	0.0096	0.020	0.018	0.023	0.022
	Beryllium	0.00030 J	0.000083 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.00040 J	0.00035 J
	Chromium	< 0.0011	0.0019 J	< 0.0011	< 0.0011	0.0015 J	0.0074	0.0037 J	0.0050 J	< 0.0011	0.0016 J
	Cobalt	0.0026 J	0.00070 J	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.0029 J	0.0032 J
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0039 J
	Lead	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	0.00028	< 0.00013	0.00030	< 0.00013	0.00019 J	< 0.00013	0.00016 J	< 0.00013	< 0.00013	< 0.00013
	Nickel	0.0019 J	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.0022 J	0.0034 J
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	0.0034 J	< 0.0025	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	47.1	152	152	148	38.3	103	148	138	47.5	53.8
	Alkalinity, Bicarbonate	47.1	152	152	148	38.3	103	148	138	47.5	53.8
	Magnesium	5.3	15.3	8.8	8.2	3.8	12.1	17.3	16.6	4.1	4.0
	Sodium	1.9	1.7	1.8	1.9	3.9	1.7	0.91 J	1.0 J	2.9	2.4
	Potassium	0.48 J	0.58	0.77	0.76	0.64	0.88	1.1	1.0	1.0	1.2

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID										
		GWC-13	GWC-13	GWC-13	GWC-13RZ	GWC-13RZ	GWC-14Z	GWC-14Z	GWC-15R	GWC-15R	GWC-15Z	GWC-15Z
		2/22/2023	4/11/2023	8/1/2023	2/22/2023	8/2/2023	2/22/2023	8/1/2023	2/22/2023	8/2/2023	2/22/2023	8/1/2023
Appendix III	Boron	< 0.0086	NA	0.012 J	0.013 J	0.012 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	26.3	NA	33.5	40.1	40.6	14.3	12.5	38.1	34.6	24.4	24.5
	Chloride	3.2	NA	3.3	5.8	5.4	4.0	3.7	1.5	1.2	0.83 J	0.82 J
	Fluoride	0.060 J	NA	< 0.050	0.15	0.14	< 0.050	< 0.050	0.050 J	< 0.050	< 0.050	< 0.050
	pH	6.96	6.69	6.77	7.15	6.97	5.97	5.57	7.32	7.23	7.49	7.41
	Sulfate	8.7	NA	28.8	59.7	55.5	10.7	6.6	7.5	4.7	0.81 J	0.73 J
	TDS	1020	120	197	254	282	65.0	83.0	174	136	111	114
Appendix I	Antimony	< 0.00078	NA	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	0.0028 J
	Arsenic	< 0.0022	NA	< 0.0037	0.0031 J	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037
	Barium	0.022	NA	0.026	0.099	0.092	0.014	0.013	0.016	0.015	0.010	0.011
	Beryllium	< 0.000054	NA	< 0.000054	< 0.000054	< 0.000054	0.000094 J	0.000094 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	NA	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	0.0038 J	NA	0.0047 J	0.0024 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0014 J	< 0.0011
	Cobalt	< 0.00039	NA	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039
	Copper	< 0.0010	NA	< 0.0010	0.0014 J	0.0011 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	NA	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	0.00024 J	< 0.00089	< 0.00012
	Mercury	< 0.00013	NA	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	NA	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071
	Selenium	< 0.0014	NA	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	NA	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	NA	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	0.0019 J	NA	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	
Zinc	< 0.0085	NA	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	103	NA	112	161	166	46.2	43.6	171	159	124	124
	Alkalinity, Bicarbonate	103	NA	112	161	166	46.2	43.6	171	159	124	124
	Magnesium	10.0	NA	12.3	17.5	17.9	5.6	5.4	19.3	17.1	13.3	13.2
	Sodium	1.9	NA	1.8	21.3	19.5	3.2	2.8	1.0 J	0.99 J	2.0	2.6
	Potassium	1.7 J	NA	1.5	1.2 J	1.0	1.1 J	1.1	0.98 J	1.0	0.89 J	0.86

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID											
		GWC-44	GWC-44	GWC-45	GWC-45	GWC-45R	GWC-45R	GWC-46R	GWC-46R	GWC-47	GWC-47	GWC-47R	GWC-47R
		2/14/2023	7/26/2023	2/14/2023	7/26/2023	2/14/2023	7/26/2023	2/14/2023	7/26/2023	2/14/2023	7/27/2023	2/14/2023	7/27/2023
Appendix III	Boron	0.014 J	< 0.0086	< 0.0086	< 0.0086	0.012 J	0.0088 J	< 0.0086	< 0.0086	< 0.0086	0.012 J	< 0.0086	0.019 J
	Calcium	12.5	3.6	1.0	0.97 J	47.5	45.7	41.1	37.7	20.5	17.3	31.6	27.9
	Chloride	5.7	2.4	0.81 J	0.99 J	5.3	3.2	3.7	3.9	2.0	2.0	2.8	2.2
	Fluoride	0.075 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.091 J	< 0.050	0.064 J	< 0.050	0.081 J	< 0.050
	pH	3.95	4.08	4.26	4.19	6.71	6.92	7.49	7.18	7.20	6.73	7.38	7.03
	Sulfate	33.8	8.1	< 0.50	0.74 J	10.1	3.5	4.7	4.0	4.3	5.0	12.7	10.9
	TDS	70.9	32.0	33.9	< 25.0	206	186	199	206	111	105	151	154
Appendix I	Antimony	< 0.00078	< 0.0012	< 0.00078	0.013	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	0.0022 J	0.0048
	Arsenic	< 0.0022	0.0038 J	< 0.0022	0.0038 J	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	0.0039 J
	Barium	0.042	0.020	0.0067	0.0070	0.025	0.022	0.011	0.011	0.0075	0.0083	0.0072	0.0076
	Beryllium	0.000062 J	0.000057 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.000059 J	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	0.00017 J	< 0.00011	< 0.00011
	Chromium	0.0015 J	< 0.0011	< 0.0011	< 0.0011	0.0058	< 0.0011	0.0050 J	0.0073	0.0018 J	0.0014 J	0.0027 J	0.0028 J
	Cobalt	0.0014 J	0.0015 J	0.0012 J	0.0013 J	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039
	Copper	0.0054	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.0016 J	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	0.00020 J	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	0.00013 J	< 0.00013
	Nickel	0.00073 J	< 0.00071	0.00092 J	0.0012 J	0.0040 J	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	0.00020 J	< 0.00018	0.00020 J
	Vanadium	< 0.0019	0.0026 J	< 0.0019	0.0026 J	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	0.050	0.049	0.031	0.024	
Additional Parameters	Alkalinity, Total	< 5.0	< 5.0	< 5.0	< 5.0	198	191	227	200	99.2	96.6	137	143
	Alkalinity, Bicarbonate	< 5.0	< 5.0	< 5.0	< 5.0	198	191	227	200	99.2	96.6	137	143
	Magnesium	2.2	0.83	0.60	0.65	24.9	24.8	21.6	20.9	11.0	9.5	14.7	13.8
	Sodium	2.5	2.1	1.6	1.5	1.6	1.5	12.4	15.7	3.3	3.0	3.8	2.6
	Potassium	1.6	0.80 J	0.38 J	< 0.48	0.95	0.96	1.7	2.7	0.58	0.71	2.1	1.8

- Notes:
1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
 2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
 3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
 4. Appendix III - indicator parameters evaluated during Detection Monitoring.
 5. TDS indicates Total Dissolved Solids
 6. NA indicates constituent was not sampled

Table 5
Groundwater Analytical Data Summary
Landfill Cells 1 & 2 and 9 & 10

Constituent		Well ID							
		GWC-48	GWC-48	GWC-48	GWC-48	GWC-49R	GWC-49R	GWC-49Z	GWC-49Z
		2/14/2023	3/16/2023	7/26/2023	9/26/2023	2/14/2023	7/27/2023	2/14/2023	7/27/2023
Appendix III	Boron	< 0.0086	NA	< 0.0086	NA	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	3.0	NA	3.8	NA	24.3	21.8	0.65 J	0.61 J
	Chloride	6.0	5.4	6.4	6.6	1.0	1.1	1.0	1.0
	Fluoride	0.058 J	NA	0.068 J	NA	< 0.050	< 0.050	< 0.050	< 0.050
	pH	4.75	4.55	4.31	NA	7.75	7.45	5.15	4.47
	Sulfate	3.0	NA	5.3	NA	1.8	2.3	0.84 J	0.97 J
	TDS	30.9	NA	33.0	NA	114	117	< 25.0	< 25.0
Appendix I	Antimony	< 0.00078	NA	< 0.0012	NA	0.0037	0.0017 J	< 0.00078	< 0.0012
	Arsenic	< 0.0022	NA	< 0.0037	NA	< 0.0022	< 0.0037	< 0.0022	0.0044 J
	Barium	0.040	NA	0.048	NA	0.013	0.011	0.0041 J	0.0036 J
	Beryllium	0.00038 J	NA	0.00048 J	NA	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	0.00015 J	NA	0.00033 J	NA	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	0.0019 J	NA	0.0020 J	NA	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	0.0025 J	NA	0.0029 J	NA	< 0.00039	< 0.00039	0.00096 J	0.00044 J
	Copper	< 0.0010	NA	< 0.0010	NA	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	NA	< 0.00012	NA	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	0.00064	0.00045	0.00064	0.00067	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	0.0058	NA	0.0075	NA	< 0.00071	< 0.00071	0.0018 J	0.0017 J
	Selenium	< 0.0014	NA	0.0016 J	NA	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	NA	< 0.00044	NA	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	NA	< 0.00018	NA	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	NA	0.0028 J	NA	< 0.0019	< 0.0025	< 0.0019	< 0.0025	
Zinc	0.011 J	NA	0.012 J	NA	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	7.5	NA	6.4	NA	125	126	< 5.0	< 5.0
	Alkalinity, Bicarbonate	7.5	NA	6.4	NA	125	126	< 5.0	< 5.0
	Magnesium	1.1	NA	2.0	NA	12.2	11.6	0.29	0.28
	Sodium	3.9	NA	3.8	NA	1.5	1.5	2.4	2.1
	Potassium	0.43 J	NA	< 0.30	NA	0.75	0.70	0.48 J	0.42 J

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 6
Groundwater Analytical Data Summary
Landfill Cells 3 & 4

Constituent		Well ID									
		GWA-36A	GWA-36A	GWA-36RA	GWA-36RA	GWA-37	GWA-37	GWA-38	GWA-38	GWC-16R	GWC-16R
		2/8/2023	8/2/2023	2/8/2023	8/3/2023	2/8/2023	8/2/2023	2/8/2023	8/2/2023	2/10/2023	8/4/2023
Appendix III	Boron	0.028 J	0.0091 J	0.023 J	0.018 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	0.020 J	< 0.0086
	Calcium	51.6	40.7	54.1	40.8	0.70 J	0.64 J	1.3	49.2	84.6	69.8
	Chloride	3.5	2.8	3.1	2.5	1.1	1.0	3.5	3.4	1.8	1.1
	Fluoride	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.22	0.079 J
	pH	6.77	6.84	6.88	6.91	5.30	4.69	5.13	4.41	7.02	6.82
	Sulfate	24.6	7.9	21.7	4.2	0.75 J	0.57 J	0.90 J	0.67 J	12.1	6.1
	TDS	245	224	238	188	< 25.0	< 25.0	31.0	32.0	369	306
Appendix I	Antimony	< 0.00078	< 0.0012	< 0.00078	< 0.0012	0.0013 J	0.0018 J	< 0.00078	< 0.0012	0.020	0.012
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037
	Barium	0.041	0.026	0.038	0.033	0.0039 J	0.0038 J	0.013	0.011	0.053	0.034
	Beryllium	0.000077 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	0.0012 J	< 0.0011	0.0011 J	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	0.0010 J	0.0010 J	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	0.011	0.014	< 0.0010	< 0.0010	0.0012 J	< 0.0010
	Lead	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.012	0.013	0.00091 J	0.00090 J	0.0050	0.0091
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	0.0030 J	< 0.0025	
Zinc	0.017 J	< 0.0085	0.0086 J	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	0.017 J	0.036	
Additional Parameters	Alkalinity, Total	219	192	242	196	5.2	6.1	< 5.0	< 5.0	327	329
	Alkalinity, Bicarbonate	219	192	242	196	5.2	6.1	< 5.0	< 5.0	327	329
	Magnesium	26.4	22.1	27.8	20.7	0.31	0.28	0.46	5.4	17.7	30.6
	Sodium	1.2	1.8	1.3	2.1	2.5	2.5	3.7	5.1	27.3	6.3
	Potassium	1.5	1.3	1.4	1.2	0.35	0.48 J	0.35	0.73	7.7	2.6

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 6
Groundwater Analytical Data Summary
Landfill Cells 3 & 4

Constituent		Well ID									
		GWC-17R	GWC-17R	GWC-18	GWC-18	GWC-18R	GWC-18R	GWC-19R	GWC-19R	GWC-20R	GWC-20R
		2/10/2023	8/3/2023	2/9/2023	8/3/2023	2/9/2023	8/4/2023	2/9/2023	8/4/2023	2/10/2023	8/3/2023
Appendix III	Boron	< 0.0086	0.014 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086
	Calcium	69.6	65.2	26.2	16.5	31.2	31.8	33.7	31.1	38.4	41.9
	Chloride	4.7	4.2	2.5	1.9	2.6	2.2	2.7	2.3	2.0	1.5
	Fluoride	0.057 J	< 0.050	0.072 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.054 J	< 0.050
	pH	7.12	7.02	6.68	6.19	7.46	7.39	7.38	7.2	7.34	7.27
	Sulfate	7.6	7.0	2.3	1.5	2.4	2.2	4.0	3.6	1.8	1.4
	TDS	302	316	175	82.0	171	148	171	163	226	193
Appendix I	Antimony	< 0.00078	0.0033	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012	< 0.00078	< 0.0012
	Arsenic	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037	< 0.0022	< 0.0037
	Barium	0.018	0.019	0.016	0.012	0.015	0.013	0.015	0.014	0.031	0.035
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	0.00015 J	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011	0.0015 J	0.0012 J	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	308	311	118	84.4	145	150	150	155	181	210
	Alkalinity, Bicarbonate	308	311	118	84.4	145	150	150	155	181	210
	Magnesium	36.4	34.6	14.5	9.2	17.3	17.4	18.5	16.9	21.3	23.3
	Sodium	2.9	2.3	1.5	1.4	1.4	1.5	1.3	1.3	2.1	2.5
	Potassium	0.62	0.84	0.78	1.0	0.57	0.77 J	0.66	0.72 J	0.65	0.88

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 6
Groundwater Analytical Data Summary
Landfill Cells 3 & 4

Constituent		Well ID								
		GWC-21R	GWC-21R	GWC-22R	GWC-22R	GWC-23R	GWC-23R	GWC-23R	GWC-24R	GWC-24R
		2/9/2023	8/4/2023	2/9/2023	8/3/2023	2/10/2023	8/3/2023	9/26/2023	2/9/2023	8/3/2023
Appendix III	Boron	0.012 J	< 0.0086	< 0.0086	< 0.0086	< 0.0086	< 0.0086	NA	< 0.0086	< 0.0086
	Calcium	68.2	68.8	37.0	33.6	68.7	65.2	NA	32.8	31.7
	Chloride	4.5	3.1	2.7	2.3	2.0	1.8	NA	2.5	2.1
	Fluoride	0.064 J	< 0.050	0.052 J	< 0.050	0.078 J	< 0.050	NA	0.053 J	< 0.050
	pH	7.13	6.73	7.05	6.62	7.01	6.88	NA	7.44	7.02
	Sulfate	16.8	5.8	2.0	1.7	86.7	69.2	NA	2.9	3.0
	TDS	317	298	328	153	533	536	444	147	146
Appendix I	Antimony	0.0064	0.0030	< 0.00078	< 0.0012	< 0.00078	< 0.0012	NA	< 0.00078	< 0.0012
	Arsenic	0.0025 J	< 0.0037	0.0030 J	< 0.0037	0.0032 J	0.0049 J	NA	< 0.0022	< 0.0037
	Barium	0.031	0.025	0.040	0.033	0.038	0.042	NA	0.018	0.017
	Beryllium	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	< 0.000054	NA	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	< 0.00011	NA	< 0.00011	< 0.00011
	Chromium	0.0017 J	0.0067	< 0.0011	< 0.0011	< 0.0011	< 0.0011	NA	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039	0.00043 J	0.00047 J	< 0.00039	0.00047 J	NA	< 0.00039	< 0.00039
	Copper	0.0011 J	0.0016 J	< 0.0010	< 0.0010	< 0.0010	< 0.0010	NA	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00012	< 0.00089	< 0.00012	< 0.00089	< 0.00012	NA	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	NA	< 0.00013	< 0.00013
	Nickel	0.0011 J	0.00098 J	< 0.00071	< 0.00071	< 0.00071	0.0011 J	NA	< 0.00071	< 0.00071
	Selenium	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	< 0.0014	NA	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	< 0.00044	NA	< 0.00044	< 0.00044
	Thallium	0.00029 J	0.00022 J	< 0.00018	< 0.00018	< 0.00018	< 0.00018	NA	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	< 0.0019	< 0.0025	< 0.0019	< 0.0025	NA	< 0.0019	< 0.0025	
Zinc	0.012 J	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	NA	< 0.0085	< 0.0085	
Additional Parameters	Alkalinity, Total	341	310	175	175	451	479	NA	151	159
	Alkalinity, Bicarbonate	341	310	175	175	451	479	NA	151	159
	Magnesium	34.6	34.5	19.9	18.0	36.2	34.9	NA	18.3	17.6
	Sodium	19.0	4.3	1.7	1.8	88.7	97.6	NA	1.3	1.3
	Potassium	1.1	1.4 J	1.1	1.3	2.3	2.9	NA	0.66	0.82

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 6
Groundwater Analytical Data Summary
Landfill Cells 3 & 4

Constituent		Well ID	
		GWC-25R	GWC-25R
		2/9/2023	8/3/2023
Appendix III	Boron	< 0.0086	< 0.0086
	Calcium	35.6	34.3
	Chloride	2.6	2.3
	Fluoride	< 0.050	< 0.050
	pH	7.51	7.26
	Sulfate	2.3	2.2
	TDS	169	170
Appendix I	Antimony	< 0.00078	< 0.0012
	Arsenic	< 0.0022	< 0.0037
	Barium	0.016	0.014
	Beryllium	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0011
	Cobalt	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.0010
	Lead	< 0.00089	< 0.00012
	Mercury	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071
	Selenium	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00018
Vanadium	< 0.0019	< 0.0025	
	Zinc	< 0.0085	< 0.0085
Additional Parameters	Alkalinity, Total	166	177
	Alkalinity, Bicarbonate	166	177
	Magnesium	19.7	19.0
	Sodium	1.4	1.3
	Potassium	0.64	0.77

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids
6. NA indicates constituent was not sampled

Table 7
Groundwater Analytical Data Summary
Landfill Cells 5 & 6 and 7 & 8
Background Sampling Event 1,2 & 3

Constituent		Well ID												
		GWA-33R	GWA-33R	GWA-33R	GWA-34	GWA-34	GWA-34	GWA-34R	GWA-34R	GWA-34R	GWA-35	GWA-35	GWA-35	GWA-57
		6/21/2023	8/8/2023	10/11/2023	6/21/2023	8/7/2023	10/10/2023	6/21/2023	8/7/2023	10/10/2023	6/28/2023	8/10/2023	10/11/2023	6/21/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.012	< 0.0086	< 0.0086	< 0.012	< 0.0086	< 0.0086	< 0.012	0.010 J	0.017 J	< 0.012	< 0.0086
	Calcium	30.5	28.6	29.3	18.6	17.8	20.0	43.7	36.1	40.0	50.7	45.5	44.8	37.1
	Chloride	3.2	3.0	2.8	4.8	4.7	4.8	5.0	4.7	5.0	3.9	4.0	4.6	3.9
	Fluoride	0.054 J	0.055 J	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.055 J	0.063 J
	pH	7.55	7.4	7.5	6.02	6.07	6.62	6.68	6.45	7.06	7.40	7.34	7.67	7.55
	Sulfate	1.9	1.0	1.2	0.89 J	0.68 J	0.99 J	1.0	1.0	1.6	5.1	5.4	5.8	1.9
	TDS	130	136	144	117	86.0 J	134	200	182 J	261	249 J	237 J	224	170
Appendix I	Antimony	0.0013 J	< 0.0012	< 0.00054	< 0.0012	< 0.0012	< 0.00054	< 0.0012	< 0.0012	< 0.00054	< 0.0012	< 0.0012	< 0.00054	< 0.0012
	Arsenic	< 0.0037	< 0.0037	0.0010 J	< 0.0037	< 0.0037	0.0012 J	< 0.0037	< 0.0037	0.00087 J	< 0.0037	< 0.0037	0.00095 J	< 0.0037
	Barium	0.0019 J	0.0013 J	0.0013 J	0.023	0.025	0.031	0.016	0.016	0.019	0.021	0.020	0.014	0.014
	Beryllium	< 0.000054	< 0.000054	< 0.000094	< 0.000054	0.000056 J	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	0.00023 J	< 0.000054
	Cadmium	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	0.00021 J	< 0.00011
	Chromium	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011
	Cobalt	< 0.00039	< 0.00039	< 0.00032	0.013	0.013	0.014	0.0022 J	0.0023 J	0.0027 J	< 0.00039	< 0.00039	0.00032 J	0.0012 J
	Copper	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	0.00062 J	< 0.0010	< 0.0010	< 0.00043	< 0.0010
	Lead	0.00013 J	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	0.00019 J	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.0021	0.0067	0.0070	0.0074	0.0012 J	0.0013 J	< 0.0021	< 0.00071	< 0.00071	< 0.0021	0.00094 J
	Selenium	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014
	Silver	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044
	Thallium	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018
	Vanadium	< 0.0025	< 0.0025	0.00091 J	< 0.0025	< 0.0025	< 0.00075	< 0.0025	< 0.0025	< 0.00075	< 0.0025	< 0.0025	0.0014 J	< 0.0025
	Zinc	< 0.0085	< 0.0085	< 0.0085	0.0092 J	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085
	Appendix IV*	Lithium	< 0.00073	< 0.00073	< 0.0016	0.0021 J	0.0023 J	0.0022 J	0.0012 J	0.0010 J	< 0.0016	< 0.00073	< 0.00073	< 0.0016
Molybdenum		0.0015 J	0.00078 J	0.00063 J	< 0.00074	< 0.00074	< 0.00062	< 0.00074	< 0.00074	< 0.00062	0.0014 J	0.0015 J	0.0019 J	0.0014 J
Radium		0.621 U	1.65	1.02 U	2.12	1.14	1.37	0.700 U	1.25	1.02 U	0.829 U	1.39	0.929 U	0.856 U
Additional Parameters	Alkalinity, Total	NA	136	131	NA	91.8	103	NA	202	197	NA	258	216	NA
	Alkalinity, Bicarbonate	NA	136	131	NA	91.8	103	NA	202	197	NA	258	216	NA
	Magnesium	NA	12.6	12.3	NA	9.8	10.2	NA	21.6	22.7	NA	29.9	26.5	NA
	Sodium	NA	2.1	2.1	NA	3.9	3.7	NA	2.1	2.2	NA	2.4	3.8	NA
	Potassium	NA	0.33 J	0.44 J	NA	0.66	0.74	NA	0.56	0.79	NA	1.8	2.1	NA

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.). Radium reported in picocuries per liter (pCi/L).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
- * Appendix IV parameters not otherwise included in Appendix I
5. TDS indicates Total Dissolved Solids
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. NA indicates the constituent was not analyzed for.

Table 7
Groundwater Analytical Data Summary
Landfill Cells 5 & 6 and 7 & 8
Background Sampling Event 1,2 & 3

Constituent		Well ID												
		GWA-57	GWA-57	GWC-26	GWC-26	GWC-26	GWC-27	GWC-27	GWC-27	GWC-27R	GWC-27R	GWC-27R	GWC-28	GWC-28
		8/8/2023	10/10/2023	6/20/2023	8/7/2023	10/12/2023	6/23/2023	8/7/2023	10/12/2023	6/23/2023	8/7/2023	10/12/2023	6/20/2023	8/8/2023
Appendix III	Boron	< 0.0086	< 0.012	0.023 J	0.014 J	0.017 J	< 0.0086	0.012 J	< 0.012	< 0.0086	0.014 J	< 0.012	0.010 J	< 0.0086
	Calcium	32.7	33.1	43.7	39.3	36.7	35.1	33.0	34.3	31.0	29.9	29.9	38.4	32.1
	Chloride	3.6	3.4	6.5	4.9	3.2	2.9	2.8	2.9	3.2	3.0	2.8	3.8	4.6
	Fluoride	0.071 J	< 0.050	< 0.050	0.055 J	< 0.050	0.054 J	0.051 J	< 0.050	0.087 J	0.088 J	0.062 J	0.071 J	0.088 J
	pH	7.34	7.54	7.34	7.41	7.64	7.46	7.34	7.74	7.44	7.18	7.7	7.48	7.3
	Sulfate	1.1	1.5	22.9	18.3	16.5	16.6	16.4	21.1	6.5	4.0	2.8	9.2	17.6
	TDS	178	166	205	184 J	192	197	177 J	191	164	152 J	195	175	178
Appendix I	Antimony	< 0.0012	< 0.00054	< 0.0012	< 0.0012	< 0.00054	< 0.0012	< 0.0012	< 0.00054	0.0029 J	0.0020 J	0.00075 J	0.0023 J	< 0.0012
	Arsenic	< 0.0037	0.0012 J	< 0.0037	< 0.0037	< 0.00084	< 0.0037	< 0.0037	0.0010 J	< 0.0037	< 0.0037	0.0015 J	< 0.0037	< 0.0037
	Barium	0.017	0.014	0.019	0.018	0.017	0.015	0.016	0.017	0.012	0.013	0.015	0.013	0.013
	Beryllium	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054
	Cadmium	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011
	Chromium	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011
	Cobalt	0.0012 J	0.0012 J	< 0.00039	< 0.00039	< 0.00032	< 0.00039	< 0.00039	0.00035 J	< 0.00039	< 0.00039	< 0.00032	< 0.00039	< 0.00039
	Copper	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	0.0011 J	< 0.0010	< 0.0010
	Lead	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	0.00018 J	< 0.00012	< 0.00012
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071
	Selenium	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014
	Silver	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044
	Thallium	< 0.00018	< 0.00038	0.00018 J	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018
	Vanadium	< 0.0025	< 0.00075	< 0.0025	< 0.0025	0.0011 J	< 0.0025	< 0.0025	0.00083 J	< 0.0025	< 0.0025	0.0013 J	< 0.0025	< 0.0025
	Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085
	Appendix IV*	Lithium	< 0.00073	< 0.0016	0.00083 J	< 0.00073	< 0.0016	0.00076 J	< 0.00073	< 0.0016	0.0010 J	0.0011 J	< 0.0016	0.00076 J
Molybdenum		0.0011 J	0.00073 J	0.0032 J	0.0017 J	0.0016 J	0.0018 J	0.0018 J	0.0014 J	0.0079 J	0.0086 J	0.0055 J	0.029	0.043
Radium		0.670 U	1.12 U	0.985 U	0.223 U	1.22 U	0.954 U	0.478 U	1.17 U	1.51	0.307 U	1.35 U	0.175 U	3.01
Additional Parameters	Alkalinity, Total	177	171	NA	161	147	NA	150	142	NA	154 J	148	NA	161
	Alkalinity, Bicarbonate	177	171	NA	161	147	NA	150	142	NA	154 J	148	NA	161
	Magnesium	20.3	19.2	NA	18.0	15.9	NA	18.4	17.9	NA	16.9	16.1	NA	18.9
	Sodium	2.8	2.4	NA	2.3	1.5	NA	1.5	1.3	NA	5.4	5.8	NA	8.5
	Potassium	0.40 J	0.50 J	NA	1.2	0.98 J	NA	0.70	0.86 J	NA	0.80	0.84 J	NA	1.1

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.). Radium reported in picocuries per liter (pCi/L).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
- * Appendix IV parameters not otherwise included in Appendix I
5. TDS indicates Total Dissolved Solids
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. NA indicates the constituent was not analyzed for.

Table 7
Groundwater Analytical Data Summary
Landfill Cells 5 & 6 and 7 & 8
Background Sampling Event 1,2 & 3

Constituent		Well ID												
		GWC-28	GWC-29	GWC-29	GWC-29	GWC-29R	GWC-29R	GWC-29R	GWC-30	GWC-30	GWC-30	GWC-31	GWC-31	GWC-31
		10/12/2023	6/26/2023	8/7/2023	10/11/2023	6/27/2023	8/10/2023	10/13/2023	6/27/2023	8/9/2023	10/13/2023	6/23/2023	8/9/2023	10/11/2023
Appendix III	Boron	< 0.012	< 0.0086	< 0.0086	< 0.012	< 0.0086	0.012 J	< 0.012	< 0.0086	< 0.0086	< 0.012	< 0.0086	< 0.0086	< 0.012
	Calcium	30.4	23.1	28.0	28.1	27.1	32.2	32.3	29.0	39.6	40.8	28.7	27.9	31.1
	Chloride	3.5	2.7	2.6	2.5	3.2	2.4	2.4	2.7	2.9	3.0	5.3	4.5	4.2
	Fluoride	0.058 J	0.12	0.11	0.069 J	0.11	< 0.050	< 0.050	< 0.050	0.078 J	0.059 J	0.17	0.071 J	< 0.050
	pH	7.75	7.67	7.48	7.51	7.29	7.48	7.14	7.17	7.21	7.22	7.31	6.93	7.95
	Sulfate	9.0	1.1	1.0	1.6	8.2	4.6	5.2	3.5	4.2	5.7	1.9	1.1	1.4
	TDS	155	155 J	163 J	148	172 J	159 J	150	204 J	199	195	165	171	120
Appendix I	Antimony	< 0.00054	< 0.0012	0.0015 J	0.0012 J	0.0016 J	< 0.0012	0.00079 J	< 0.0012	< 0.0012	< 0.00054	< 0.0012	< 0.0012	0.0010 J
	Arsenic	0.0012 J	< 0.0037	< 0.0037	0.00092 J	< 0.0037	< 0.0037	0.0013 J	< 0.0037	< 0.0037	0.00093 J	0.0047 J	0.0078	0.0061
	Barium	0.011	0.029	0.032	0.038	0.012	0.012	0.013	0.015	0.015	0.018	0.048	0.070	0.085
	Beryllium	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094
	Cadmium	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010
	Chromium	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019
	Cobalt	0.00038 J	0.00053 J	< 0.00039	< 0.00032	< 0.00039	0.00045 J	< 0.00032	< 0.00039	< 0.00039	< 0.00032	0.00074 J	0.00076 J	0.00046 J
	Copper	< 0.00043	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043
	Lead	< 0.00016	< 0.00012	< 0.00012	0.00021 J	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.0021	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021
	Selenium	< 0.00096	< 0.0014	< 0.0014	< 0.00096	0.0014 J	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096
	Silver	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031
	Thallium	< 0.00038	0.00023 J	0.00023 J	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038
	Vanadium	< 0.00075	< 0.0025	< 0.0025	0.00077 J	< 0.0025	< 0.0025	0.00081 J	< 0.0025	< 0.0025	0.0012 J	< 0.0025	< 0.0025	< 0.00075
	Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085
Appendix IV*	Lithium	< 0.0016	0.0032 J	0.0030 J	0.0031 J	< 0.00073	0.0020 J	0.0019 J	< 0.00073	< 0.00073	< 0.0016	0.0039 J	0.0037 J	0.0035 J
	Molybdenum	0.022	0.013 J	0.0087 J	0.0067 J	0.020 J	0.019	0.018	0.010 J	0.016	0.028	0.016	0.018	0.017
	Radium	1.16 U	0.817 U	3.49	0.894 U	0.866 U	0.959 U	0.945 U	0.482 U	0.235 U	0.954 U	0.846 U	0.508 U	0.988 U
Additional Parameters	Alkalinity, Total	150	NA	156 J	142	NA	152	146	NA	185	182	NA	182	188
	Alkalinity, Bicarbonate	150	NA	156 J	142	NA	152	146	NA	185	182	NA	182	188
	Magnesium	17.5	NA	17.3	16.0	NA	18.3	17.4	NA	21.2	20.7	NA	24.2	24.4
	Sodium	6.1	NA	1.5	1.5	NA	2.9	2.2	NA	1.7	1.8	NA	2.2	2.1
	Potassium	1.0 J	NA	0.87	0.84 J	NA	0.89	0.86 J	NA	0.99	1.2 J	NA	1.1	1.2 J

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.). Radium reported in picocuries per liter (pCi/L).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
- * Appendix IV parameters not otherwise included in Appendix I
5. TDS indicates Total Dissolved Solids
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. NA indicates the constituent was not analyzed for.

Table 7
Groundwater Analytical Data Summary
Landfill Cells 5 & 6 and 7 & 8
Background Sampling Event 1,2 & 3

Constituent		Well ID					
		GWC-31R	GWC-31R	GWC-31R	GWC-32	GWC-32	GWC-32
		6/23/2023	8/9/2023	10/11/2023	6/26/2023	8/9/2023	10/13/2023
Appendix III	Boron	< 0.0086	< 0.0086	< 0.012	< 0.0086	< 0.0086	< 0.012
	Calcium	35.9	36.2	37.2	41.2	49.0	47.3
	Chloride	3.7	3.2	3.1	4.4	4.2	4.3
	Fluoride	0.059 J	0.050 J	< 0.050	0.075 J	0.061 J	< 0.050
	pH	7.10	7.08	7.57	6.86	6.85	7.22
	Sulfate	2.0	1.6	1.8	6.4	4.5	2.6
	TDS	178	170	200	228 J	223	238
Appendix I	Antimony	< 0.0012	< 0.0012	< 0.00054	< 0.0012	< 0.0012	< 0.00054
	Arsenic	< 0.0037	< 0.0037	0.0010 J	< 0.0037	< 0.0037	0.0042 J
	Barium	0.019	0.025	0.021	0.016	0.020	0.027
	Beryllium	< 0.000054	< 0.000054	< 0.000094	< 0.000054	< 0.000054	< 0.000094
	Cadmium	< 0.00011	< 0.00011	< 0.00010	< 0.00011	< 0.00011	< 0.00010
	Chromium	< 0.0011	< 0.0011	< 0.0019	< 0.0011	< 0.0011	< 0.0019
	Cobalt	< 0.00039	< 0.00039	< 0.00032	0.00043 J	0.00060 J	0.00070 J
	Copper	< 0.0010	< 0.0010	< 0.00043	< 0.0010	< 0.0010	< 0.00043
	Lead	< 0.00012	< 0.00012	< 0.00016	< 0.00012	< 0.00012	< 0.00016
	Mercury	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013	< 0.00013
	Nickel	< 0.00071	< 0.00071	< 0.0021	< 0.00071	< 0.00071	< 0.0021
	Selenium	< 0.0014	< 0.0014	< 0.00096	< 0.0014	< 0.0014	< 0.00096
	Silver	< 0.00044	< 0.00044	< 0.00031	< 0.00044	< 0.00044	< 0.00031
	Thallium	< 0.00018	< 0.00018	< 0.00038	< 0.00018	< 0.00018	< 0.00038
	Vanadium	< 0.0025	< 0.0025	0.00089 J	< 0.0025	< 0.0025	< 0.00075
Zinc	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	< 0.0085	
Appendix IV*	Lithium	< 0.00073	< 0.00073	< 0.0016	0.0055 J	0.013 J	0.019 J
	Molybdenum	0.0026 J	0.0024 J	0.0020 J	0.019 J	0.021	0.022
	Radium	0.275 U	0.368 U	0.715 U	0.694 U	0.777 U	0.872 U
Additional Parameters	Alkalinity, Total	NA	179	176	NA	240	234
	Alkalinity, Bicarbonate	NA	179	176	NA	240	234
	Magnesium	NA	21.1	20.4	NA	26.0	23.8
	Sodium	NA	2.4	1.8	NA	3.2	3.1
	Potassium	NA	0.68	0.71 J	NA	1.3	1.3 J

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.). Radium reported in picocuries per liter (pCi/L).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J - The result is an estimated concentration. "J" qualifiers are applied by the laboratory when the concentration reported is above the method detection limit but below the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
- * Appendix IV parameters not otherwise included in Appendix I
5. TDS indicates Total Dissolved Solids
6. Radium data are a combination of radium isotopes 226 and 228. When results are reported below the MDC (Minimum Detectable Concentration), data is displayed with an accompanying U. The MDC varies depending upon the sample amount and elapsed time of the measurement.
7. NA indicates the constituent was not analyzed for.

Table 8
Surface Water Analytical Data
Landfill Cells 3 & 4

Constituent		SPRING
		2/10/2023
Appendix III	Boron	< 0.0086
	Calcium	28.5
	Chloride	2.3
	Fluoride	0.062 J
	pH	7.42
	Sulfate	2.2
	TDS	123
Appendix I	Antimony	< 0.00078
	Arsenic	< 0.0022
	Barium	0.024
	Beryllium	< 0.000054
	Cadmium	< 0.00011
	Chromium	< 0.0011
	Cobalt	< 0.00039
	Copper	< 0.0010
	Lead	< 0.00089
	Mercury	< 0.00013
	Nickel	< 0.00071
	Selenium	< 0.0014
	Silver	< 0.00044
	Thallium	< 0.00018
Vanadium	< 0.0019	
Zinc	< 0.0085	
Additional Parameters	Alkalinity, Total	130
	Alkalinity, Bicarbonate	130
	Magnesium	16.0
	Sodium	1.4
	Potassium	0.74

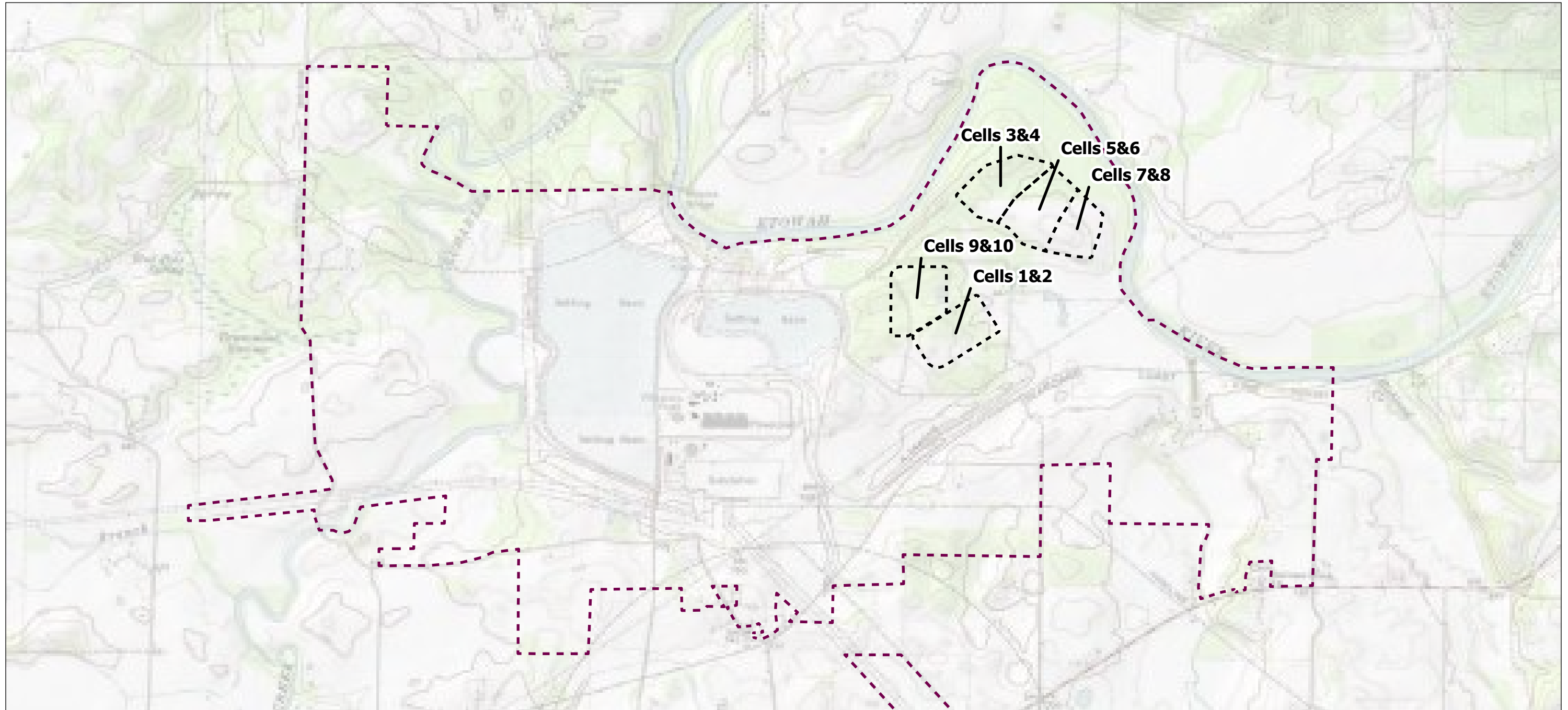
Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical method detection limit (MDL) shown.
3. J indicates the constituent was detected below the method detection limit but above the laboratory reporting limit. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. Appendix III - indicator parameters evaluated during Detection Monitoring.
5. TDS indicates Total Dissolved Solids

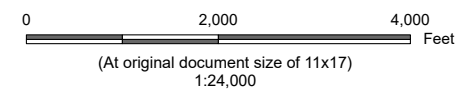
**TABLE 9
STATISTICAL METHOD SUMMARY**

Statistical Methodology	Data Screening on Proposed Background	Evaluate outliers, trends, and seasonality when sufficient data are available
	Statistical Limits	Interwell statistical limits are applied on a parameter basis, depending on the appropriateness of the method as determined by the Analysis of Variance. Intrawell statistical limits are applied on a parameter basis, depending on the appropriateness of the method.
	Prediction Limits	When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit. Non-parametric means data sets contain greater than 50% non-detects or data are not normally or transformed-normally distributed.
	Management of Non-Detects	When data contain less than 15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the practical quantitation limit (PQL) as reported by the laboratory. When data contain between 15-50% non-detects the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
	Confidence Intervals	Used in Assessment and Corrective Action monitoring.
	No Statistical Testing	Statistical testing is not required for parameters containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
	Verification Resample Plan	Optional 1-of-2 with minimum of 8 samples per well for interwell testing. Optional 1-of-3 or 1-of-2 with minimum of 8 samples per well for intrawell testing.
	Optional	<ul style="list-style-type: none"> ▪ Interwell statistical methods may be used as a second step to determine if an apparent statistically significant increase (SSI) identified by intrawell statistical methods is below sitewide background. ▪ Initial statistical exceedance warrants independent resampling within 90 days. ▪ If resample passes, well/parameter is not a confirmed SSI. ▪ If resample exceeds, well/parameter has a confirmed SSI. ▪ If no resample is collected, the original result is deemed verified.

FIGURES



- Legend**
- Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euharlee, Georgia

Prepared by CA on 1/10/2024
TR by MP on 1/10/2024
IR by MD on 1/10/2024

Client/Project
Georgia Power
2023 Annual Groundwater Monitoring and Corrective Action
Report – Plant Bowen Cells 1&2, 3&4, 5&6, 7&8, 9&10

Figure No.

1

Title

Site Location Map

Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Site and Landfill Boundaries provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Copyright © 2013 National Geographic Society, i-cubed, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS

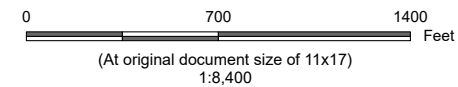


Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Legend

- Detection Monitoring Well (Overburden)
- Water Level Piezometer (Overburden)
- Detection Monitoring Well (Bedrock)
- Water Level Piezometer (Bedrock)
- Approximate Site Boundary
- Landfill Cell Boundary (Approximate)
- Ephemeral Spring Location

Highlighted IDs- Hydrogeologic Monitoring Location



Project Location
 Euharlee, Georgia

Prepared by CA on 1/10/2024
 TR by MP on 1/10/2024
 IR by MD on 1/10/2024

Client/Project
 Georgia Power
 2023 Annual Groundwater Monitoring and Corrective Action
 Report – Plant Bowen Cells 1&2, 3&4, 5&6, 7&8, 9&10

Figure No. 172678190

2

Title

Groundwater Monitoring System

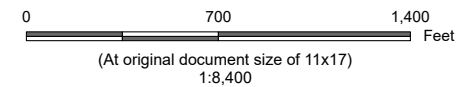


Legend

- Detection Monitoring Well (Overburden)
- Abandoned Detection Monitoring Well (Overburden)
- Water Level Piezometer (Overburden)
- Potentiometric Surface Contour Feb. 2023 (feet (ft) NAVD88)
- Interpreted Groundwater Flow Direction
- Approximate Site Boundary
- Landfill Cell Boundary (Approximate)



Cassidy Sutherland



Project Location
Euharlee, Georgia

Prepared by CA on 1/10/2024
TR by MP on 1/10/2024
IR by MD on 1/10/2024

Client/Project
Georgia Power
172678190

2023 Annual Groundwater Monitoring and Corrective Action
Report - Plant Bowen Cells 1&2, 3&4, 5&6, 7&8, and 9&10

Figure No.

3

Title

**Potentiometric Surface -
Overburden Wells, February 2023**

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, TomTom, Garmin, SafeGraph, FAO, METI/ NASA, USGS, EPA, NPS, USFWS, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USEFWS

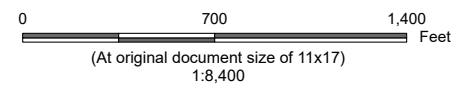
669.35 Groundwater Elevation (ft NAVD88)

* Indicates groundwater elevation in wells GWA-3A and GWA-38 were not used in contouring.



Legend

- Detection Monitoring Well (Bedrock)
- ⊕ Abandoned Detection Monitoring Well (Bedrock)
- ▲ Water Level Piezometer (Bedrock)
- Potentiometric Surface Contour Feb 2023 (feet (ft) NAVD88)
- - - Inferred Potentiometric Surface Contour Feb 2023 (ft NAVD88)
- Interpreted Groundwater Flow Direction
- Approximate Site Boundary
- Landfill Cell Boundary (Approximate)



Project Location: Euharlee, Georgia
 Prepared by CA on 1/10/2024
 TR by MP on 1/10/2024
 IR by MD on 1/10/2024

Client/Project: Georgia Power
 172678190

2023 Annual Groundwater Monitoring and Corrective Action Report - Plant Bowen Cells 1&2, 3&4, 5&6, 7&8, and 9&10

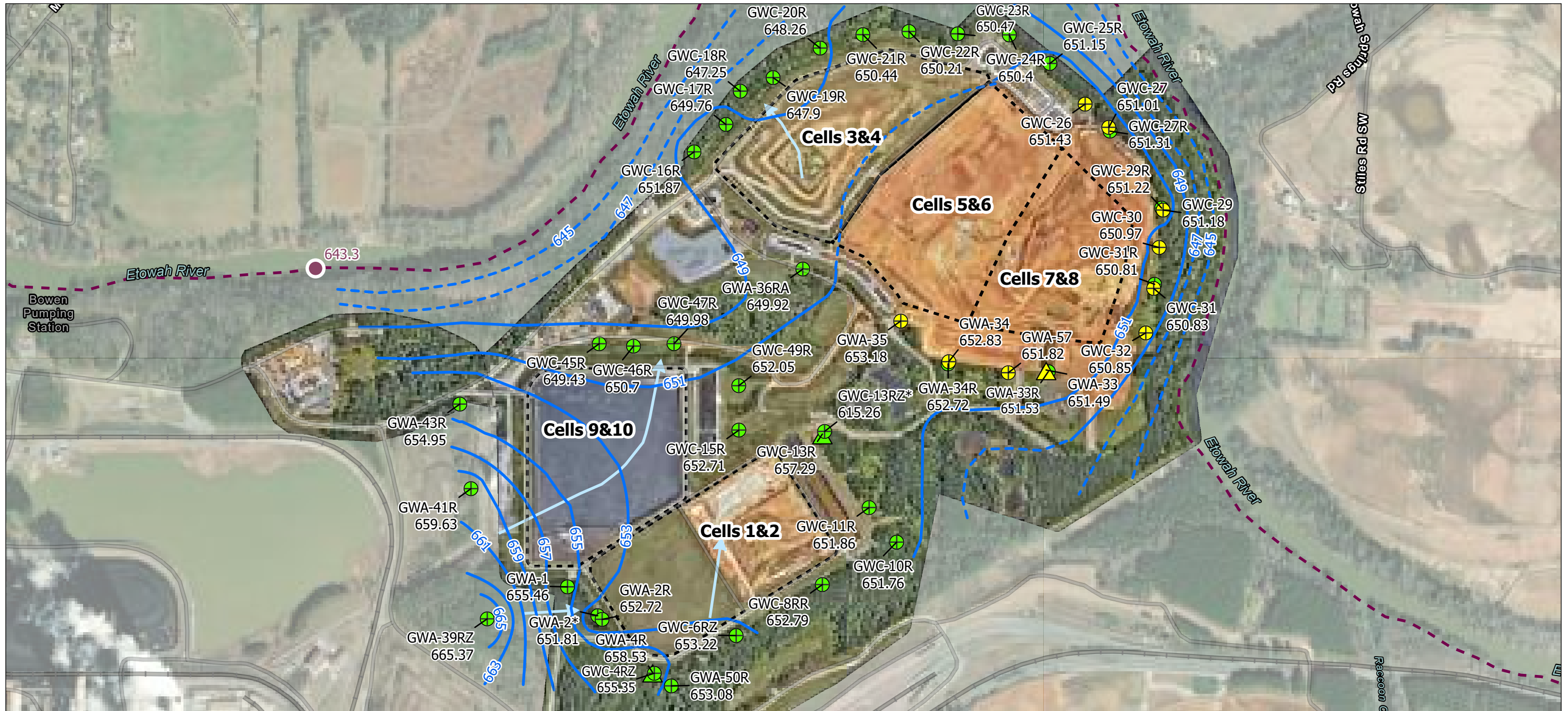
Figure No. 4

Title: Potentiometric Surface - Bedrock Wells, February 2023

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, TomTom, Garmin, SafeGraph, FAO, METI/ NASA, USGS, EPA, NPS, USFWS, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USEFWS

668.54 Groundwater Elevation (ft NAVD88)

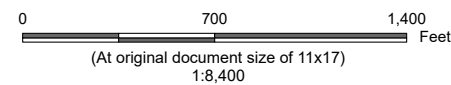
* Indicates groundwater elevation in well GWC-13RZ and GWA-2 were not used in contouring.





- Legend**
- Detection Monitoring Well (Overburden)
 - Water Level Piezometer (Overburden)
 - Detection Monitoring Well (Bedrock)
 - Water Level Piezometer (Bedrock)
 - Potentiometric Surface Contours July-August 2023 (feet (ft) NAVD88)
 - Inferred Potentiometric Surface Contour July-August 2023
 - Interpreted Groundwater Flow Direction
 - River Stage at Gaging Location (feet (ft) NAVD88)
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Cassidy Sutherland



Project Location
Euharlee, Georgia

Client/Project
Georgia Power
2023 Annual Groundwater Monitoring and Corrective Action Report – Plant Bowen Cells 1&2, 3&4, 5&6, 7&8, 9&10

Figure No.
5

Title
Potentiometric Surface - July-August 2023

Notes

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant imagery provided by client. Supplemental Background: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, TomTom, Garmin, SafeGraph, FAO, METI/ NASA, USGS, EPA, NPS, USFWS, Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USEFWS

668.54 Groundwater Elevation (ft NAVD88)
* Indicates groundwater elevation in well GWC-13RZ and GWA-2 were not used in contouring.

**APPENDIX A
WELL INSPECTIONS**

Groundwater Monitoring Well Integrity Form

Site Name
Permit Number
Well ID
Date

Bowen LF

GWA-1

2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-2
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-2R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-3A
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-4R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:				

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-4R2
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-50
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?		✓	_____	_____
7 Corrective actions as needed, by date:				

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-50R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-5
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	✓	_____	_____
b Is the well properly identified with the correct well ID?	✓	_____	_____
c Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b Is the casing free of degradation or deterioration?	✓	_____	_____
c Does the casing have a functioning weep hole?	✓	_____	_____
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b Is the well pad sloped away from the protective casing?	✓	_____	_____
c Is the well pad in complete contact with the protective casing?	✓	_____	_____
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d Is the survey point clearly marked on the inner casing?	✓	_____	_____
e Is the depth of the well consistent with the original well log?	✓	_____	_____
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	✓	_____	_____
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	✓	_____	_____
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-6
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-6RZ
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:				

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-72
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?			
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	✓	
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?		✓	
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-82
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?		✓	
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-8RB
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-9
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-10
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-10R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:				

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-11
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Barton LF
 Permit Number _____
 Well ID GWC-11B
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-12
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-13
 Date 2/16/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-13R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWL-13B2
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-14
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-14Z
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-15
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-15R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-15Z
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-1GR
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-17R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-18
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-18R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection:

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-19R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-20R
 Date 2/6/23

		yes	no	n/a
1 Location/identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-21R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-22R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-23R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	_____	✓	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GW-24R
 Date 2/6/23

		yes	no	n/a
1	<u>Location/Identification</u>			
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	<u>Protective Casing</u>			
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	<u>Surface pad</u>			
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	<u>Internal casing</u>			
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	<u>Sampling: Groundwater Wells Only</u>			
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-25R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-36A
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-3GRA
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-37
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWA-38
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-39R2
 Date 2/6/23

	yes	no	n/a	
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-39Z
 Date 2/16/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-40
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bower LF
 Permit Number _____
 Well ID GWA-41
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:				

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-41B
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-42
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?			
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-43
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWA-43R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Bowen LF
 Permit Number _____
 Well ID GWC-44
 Date 7/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	✓		
b Is the well properly identified with the correct well ID?	✓		
c Is the well in a high traffic area and does the well require protection from traffic?		✓	
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓		
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	✓		
b Is the casing free of degradation or deterioration?	✓		
c Does the casing have a functioning weep hole?	✓		
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓		
e Is the well locked and is the lock in good condition?	✓		
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	✓		
b Is the well pad sloped away from the protective casing?	✓		
c Is the well pad in complete contact with the protective casing?	✓		
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓		
e Is the pad surface clean (not covered with sediment or debris)?	✓		
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	✓		
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓		
c Is the well properly vented for equilibration of air pressure?	✓		
d Is the survey point clearly marked on the inner casing?	✓		
e Is the depth of the well consistent with the original well log?	✓		
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓		
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	✓		
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓		
c Does the well require redevelopment (low flow, turbid)?		✓	
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓		
7 Corrective actions as needed, by date:			

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-45
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	✓	_____	_____
b	Is the well properly identified with the correct well ID?	✓	_____	_____
c	Is the well in a high traffic area and does the well require protection from traffic?	_____	✓	_____
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	✓	_____	_____
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	✓	_____	_____
b	Is the casing free of degradation or deterioration?	✓	_____	_____
c	Does the casing have a functioning weep hole?	✓	_____	_____
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	✓	_____	_____
e	Is the well locked and is the lock in good condition?	✓	_____	_____
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	✓	_____	_____
b	Is the well pad sloped away from the protective casing?	✓	_____	_____
c	Is the well pad in complete contact with the protective casing?	✓	_____	_____
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	✓	_____	_____
e	Is the pad surface clean (not covered with sediment or debris)?	✓	_____	_____
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	✓	_____	_____
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	✓	_____	_____
c	Is the well properly vented for equilibration of air pressure?	✓	_____	_____
d	Is the survey point clearly marked on the inner casing?	✓	_____	_____
e	Is the depth of the well consistent with the original well log?	✓	_____	_____
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	✓	_____	_____
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	✓	_____	_____
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	✓	_____	_____
c	Does the well require redevelopment (low flow, turbid)?	_____	✓	_____
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	✓	_____	_____

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-45R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-46R
 Date 2/6/23

	yes	no	n/a
1 Location/identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-47
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-47R
 Date 2/6/23

	yes	no	n/a
1 Location/Identification			
a Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing			
a Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad			
a Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing			
a Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only			
a Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC - 48
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-49R
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Groundwater Monitoring Well Integrity Form

Site Name Plant Bowen LF
 Permit Number _____
 Well ID GWC-49Z
 Date 2/6/23

		yes	no	n/a
1 Location/Identification				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2 Protective Casing				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 Surface pad				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 Internal casing				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5 Sampling: Groundwater Wells Only:				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?				
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:

Signature and Seal of PE/PG responsible for inspection

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
GWA-1	YES	YES	NO	YES
GWA-2	YES	YES	NO	YES
GWA-2R	YES	YES	NO	YES
GWA-3A	YES	YES	NO	YES
GWA-4RZ	YES	YES	NO	YES
GWC-5	YES	YES	NO	YES
GWC-6	YES	YES	NO	YES
GWC-6RZ	YES	YES	NO	YES
GWC-7Z	YES	YES	NO	YES
GWC-8Z	YES	YES	NO	YES
GWC-8RR	YES	YES	NO	YES
GWC-9	YES	YES	NO	YES
GWC-10	YES	YES	NO	YES
GWC-10R	YES	YES	NO	YES
GWC-11	YES	YES	NO	YES
GWC-11R	YES	YES	NO	YES
GWC-12	YES	YES	NO	YES
GWC-13	YES	YES	NO	YES
GWC-13RZ	YES	YES	NO	YES
GWC-14Z	YES	YES	NO	YES
GWC-15Z	YES	YES	NO	YES
GWC-15R	YES	YES	NO	YES
GWA-50	YES	YES	NO	YES
GWA-50R	YES	YES	NO	YES
GWA-36A	YES	YES	NO	YES
GWA-36RA	YES	YES	NO	YES
GWA-37	YES	YES	NO	YES
GWA-38	YES	YES	NO	YES
GWC-16R	YES	YES	NO	YES
GWC-17R	YES	YES	NO	YES
GWC-18	YES	YES	NO	YES
GWC-18R	YES	YES	NO	YES
GWC-19R	YES	YES	NO	YES
GWC-20R	YES	YES	NO	YES
GWC-21R	YES	YES	NO	YES
GWC-22R	YES	YES	NO	YES
GWC-23R	YES	YES	NO	YES

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Location/Identification			
	Visible and accessible	Properly identified with correct well ID	Located in high traffic area; does the well require protection from traffic	Acceptable drainage around well (no standing water, not located in obvious drainage flow path)
GWC-24R	YES	YES	NO	YES
GWC-25R	YES	YES	NO	YES
GWA-39Z	YES	YES	NO	YES
GWA-39RZ	YES	YES	NO	YES
GWA-40	YES	YES	NO	YES
GWA-41	YES	YES	NO	YES
GWA-41R	YES	YES	NO	YES
GWA-42	YES	YES	NO	YES
GWA-43	YES	YES	NO	YES
GWA-43R	YES	YES	NO	YES
GWC-44	YES	YES	NO	YES
GWC-45	YES	YES	NO	YES
GWC-45R	YES	YES	NO	YES
GWC-46R	YES	YES	NO	NO
GWC-47	YES	YES	NO	YES
GWC-47R	YES	YES	NO	YES
GWC-48	YES	YES	NO	YES
GWC-49Z	YES	YES	NO	YES
GWC-49R	YES	YES	NO	YES
GWC-26	YES	YES	NO	YES
GWC-27	YES	YES	NO	YES
GWC-27R	YES	YES	NO	YES
GWC-28	YES	YES	NO	NO
GWC-29	YES	YES	NO	YES
GWC-29R	YES	YES	NO	YES
GWC-30	YES	YES	NO	YES
GWC-31	YES	YES	NO	YES
GWC-31R	YES	YES	NO	YES
GWC-32	YES	YES	NO	YES
GWA-33R	YES	YES	NO	YES
GWA-57	YES	YES	NO	YES
GWA-34	YES	YES	NO	YES
GWA-34R	YES	YES	NO	YES
GWA-35	YES	YES	NO	YES

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
GWA-1	YES	YES	YES	YES	YES
GWA-2	YES	YES	YES	YES	YES
GWA-2R	YES	YES	YES	YES	YES
GWA-3A	YES	YES	YES	YES	YES
GWA-4RZ	YES	YES	YES	YES	YES
GWC-5	YES	YES	YES	YES	YES
GWC-6	YES	YES	YES	YES	YES
GWC-6RZ	YES	YES	YES	YES	YES
GWC-7Z	YES	YES	YES	YES	YES
GWC-8Z	YES	YES	YES	YES	YES
GWC-8RR	YES	YES	YES	YES	YES
GWC-9	YES	YES	YES	YES	YES
GWC-10	YES	YES	YES	YES	YES
GWC-10R	YES	YES	YES	YES	YES
GWC-11	YES	YES	YES	YES	YES
GWC-11R	YES	YES	YES	YES	YES
GWC-12	YES	YES	YES	YES	YES
GWC-13	YES	YES	YES	YES	YES
GWC-13RZ	YES	YES	YES	YES	YES
GWC-14Z	YES	YES	YES	YES	YES
GWC-15Z	YES	YES	YES	YES	YES
GWC-15R	YES	YES	YES	YES	YES
GWA-50	YES	YES	YES	YES	YES
GWA-50R	YES	YES	YES	YES	YES
GWA-36A	YES	YES	YES	YES	YES
GWA-36RA	YES	YES	YES	YES	YES
GWA-37	YES	YES	YES	YES	YES
GWA-38	YES	YES	YES	YES	YES
GWC-16R	YES	YES	YES	YES	YES
GWC-17R	YES	YES	YES	YES	YES
GWC-18	YES	YES	YES	YES	YES
GWC-18R	YES	YES	YES	YES	YES
GWC-19R	YES	YES	YES	YES	YES
GWC-20R	YES	YES	YES	YES	YES
GWC-21R	YES	YES	YES	YES	YES
GWC-22R	YES	YES	YES	YES	YES
GWC-23R	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Protective Casing				
	Free from apparent damage and able to be secured	No degradation or deterioration	Functioning weep hole	Annular space clear of debris and water, or filled with pea gravel/sand	Locked and is the lock in good condition
GWC-24R	YES	YES	YES	YES	YES
GWC-25R	YES	YES	YES	YES	YES
GWA-39Z	YES	YES	YES	YES	YES
GWA-39RZ	YES	YES	YES	YES	YES
GWA-40	YES	YES	YES	YES	YES
GWA-41	YES	YES	YES	YES	YES
GWA-41R	YES	YES	YES	YES	YES
GWA-42	YES	YES	YES	YES	YES
GWA-43	YES	YES	YES	YES	YES
GWA-43R	YES	YES	YES	YES	YES
GWC-44	YES	YES	YES	YES	YES
GWC-45	YES	YES	YES	YES	YES
GWC-45R	YES	YES	YES	YES	YES
GWC-46R	YES	YES	YES	YES	YES
GWC-47	YES	YES	YES	YES	YES
GWC-47R	YES	YES	YES	YES	YES
GWC-48	YES	YES	YES	YES	YES
GWC-49Z	YES	YES	YES	YES	YES
GWC-49R	YES	YES	YES	YES	YES
GWC-26	YES	YES	YES	YES	YES
GWC-27	YES	YES	YES	YES	YES
GWC-27R	YES	YES	YES	YES	YES
GWC-28	YES	YES	YES	YES	YES
GWC-29	YES	YES	YES	YES	YES
GWC-29R	YES	YES	YES	YES	YES
GWC-30	YES	YES	YES	YES	YES
GWC-31	YES	YES	YES	YES	YES
GWC-31R	YES	YES	YES	YES	YES
GWC-32	YES	YES	YES	YES	YES
GWA-33R	YES	YES	YES	YES	YES
GWA-57	YES	YES	YES	YES	YES
GWA-34	YES	YES	YES	YES	YES
GWA-34R	YES	YES	YES	YES	YES
GWA-35	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
GWA-1	YES	YES	YES	YES	YES	YES
GWA-2	YES	YES	YES	YES	YES	YES
GWA-2R	YES	YES	YES	YES	YES	YES
GWA-3A	YES	YES	YES	YES	YES	YES
GWA-4RZ	YES	YES	YES	YES	YES	YES
GWC-5	YES	YES	YES	YES	YES	YES
GWC-6	YES	YES	YES	YES	YES	YES
GWC-6RZ	YES	YES	YES	YES	YES	YES
GWC-7Z	YES	YES	YES	YES	YES	YES
GWC-8Z	YES	YES	YES	YES	YES	YES
GWC-8RR	YES	YES	YES	YES	YES	YES
GWC-9	YES	YES	YES	YES	YES	YES
GWC-10	YES	YES	YES	YES	YES	YES
GWC-10R	YES	YES	YES	YES	YES	YES
GWC-11	YES	YES	YES	YES	YES	YES
GWC-11R	YES	YES	YES	YES	YES	YES
GWC-12	YES	YES	YES	YES	YES	YES
GWC-13	YES	YES	YES	YES	YES	YES
GWC-13RZ	YES	YES	YES	YES	YES	YES
GWC-14Z	YES	YES	YES	YES	YES	YES
GWC-15Z	YES	YES	YES	YES	YES	YES
GWC-15R	YES	YES	YES	YES	YES	YES
GWA-50	YES	YES	YES	YES	YES	YES
GWA-50R	YES	YES	YES	YES	YES	YES
GWA-36A	YES	YES	YES	YES	YES	YES
GWA-36RA	YES	YES	YES	YES	YES	YES
GWA-37	YES	YES	YES	YES	YES	YES
GWA-38	YES	YES	YES	YES	YES	YES
GWC-16R	YES	YES	YES	YES	YES	YES
GWC-17R	YES	YES	YES	YES	YES	YES
GWC-18	YES	YES	YES	YES	YES	YES
GWC-18R	YES	YES	YES	YES	YES	YES
GWC-19R	YES	YES	YES	YES	YES	YES
GWC-20R	YES	YES	YES	YES	YES	YES
GWC-21R	YES	YES	YES	YES	YES	YES
GWC-22R	YES	YES	YES	YES	YES	YES
GWC-23R	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Surface Pad			Internal Casing		
	Good condition (not cracked/ broken)	Sloped away from the protective casing	In complete contact with the ground surface and stable	Cap prevents entry of foreign material into the well	Free of kinks/bends, or any obstructions from foreign objects (such as bailers)	Properly vented for equilibration of air pressure
GWC-24R	YES	YES	YES	YES	YES	YES
GWC-25R	YES	YES	YES	YES	YES	YES
GWA-39Z	YES	YES	YES	YES	YES	YES
GWA-39RZ	YES	YES	YES	YES	YES	YES
GWA-40	YES	YES	YES	YES	YES	YES
GWA-41	YES	YES	YES	YES	YES	YES
GWA-41R	YES	YES	YES	YES	YES	YES
GWA-42	YES	YES	YES	YES	YES	YES
GWA-43	YES	YES	YES	YES	YES	YES
GWA-43R	YES	YES	YES	YES	YES	YES
GWC-44	YES	YES	YES	YES	YES	YES
GWC-45	YES	YES	YES	YES	YES	YES
GWC-45R	YES	YES	YES	YES	YES	YES
GWC-46R	YES	YES	YES	YES	YES	YES
GWC-47	YES	YES	YES	YES	YES	YES
GWC-47R	YES	YES	YES	YES	YES	YES
GWC-48	YES	YES	YES	YES	YES	YES
GWC-49Z	YES	YES	YES	YES	YES	YES
GWC-49R	YES	YES	YES	YES	YES	YES
GWC-26	YES	YES	YES	YES	YES	YES
GWC-27	YES	YES	YES	YES	YES	YES
GWC-27R	YES	YES	YES	YES	YES	YES
GWC-28	YES	YES	YES	YES	YES	YES
GWC-29	YES	YES	YES	YES	YES	YES
GWC-29R	YES	YES	YES	YES	YES	YES
GWC-30	YES	YES	YES	YES	YES	YES
GWC-31	YES	YES	YES	YES	YES	YES
GWC-31R	YES	YES	YES	YES	YES	YES
GWC-32	YES	YES	YES	YES	YES	YES
GWA-33R	YES	YES	YES	YES	YES	YES
GWA-57	YES	YES	YES	YES	YES	YES
GWA-34	YES	YES	YES	YES	YES	YES
GWA-34R	YES	YES	YES	YES	YES	YES
GWA-35	YES	YES	YES	YES	YES	YES

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Corrective actions as needed, by date:
GWA-1	
GWA-2	
GWA-2R	
GWA-3A	
GWA-4RZ	
GWC-5	
GWC-6	
GWC-6RZ	
GWC-7Z	
GWC-8Z	
GWC-8RR	
GWC-9	
GWC-10	
GWC-10R	
GWC-11	
GWC-11R	
GWC-12	
GWC-13	
GWC-13RZ	
GWC-14Z	
GWC-15Z	
GWC-15R	
GWA-50	
GWA-50R	
GWA-36A	
GWA-36RA	
GWA-37	
GWA-38	
GWC-16R	
GWC-17R	
GWC-18	
GWC-18R	
GWC-19R	
GWC-20R	
GWC-21R	
GWC-22R	
GWC-23R	

Well Inspection

Site Name: Plant Bowen LF

Date: 7/24/2023

Permit Number: 008-018D

Field Conditions: Temps 90/64, 0%

Well ID:	Corrective actions as needed, by date:
GWC-24R	
GWC-25R	
GWA-39Z	
GWA-39RZ	
GWA-40	
GWA-41	
GWA-41R	
GWA-42	
GWA-43	
GWA-43R	
GWC-44	
GWC-45	
GWC-45R	
GWC-46R	Drainage near road is blocked from LF construction
GWC-47	Drainage near road is blocked from LF construction
GWC-47R	
GWC-48	
GWC-49Z	
GWC-49R	
GWC-26	
GWC-27	
GWC-27R	
GWC-28	Signs of water flow around well pad. Suggest monitoring and erosion control.
GWC-29	
GWC-29R	
GWC-30	
GWC-31	
GWC-31R	
GWC-32	
GWA-33R	
GWA-57	
GWA-34	
GWA-34R	
GWA-35	

**APPENDIX B
WELL INSTALLATION AND
ABANDONMENT REPORT**



WELL INSTALLATION REPORT
Plant Bowen
Landfill Cells 5 & 6, and 7 & 8
Euharlee, Georgia

August 8, 2023

Prepared for:

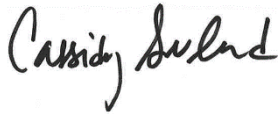


Prepared by:
Stantec Consulting Services Inc.
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009-7640

CERTIFICATION STATEMENT

I hereby certify that this *Well Installation Report – Plant Bowen Landfill Cells 5 & 6, and 7 & 8* has been prepared by, or under the direct supervision of, a Qualified Groundwater Scientist with Stantec Consulting Services, Inc. and is in compliance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically §257.91(e)(1), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10.

According to 391-3-4-.01, a Qualified Groundwater Scientist is “a professional engineer or geologist registered to practice in Georgia who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields that enable that individual to make sound professional judgments regarding groundwater monitoring, contaminant fate and transport, and corrective action.”



Cassidy Sutherland, PG
Senior Geologist



August 8, 2023
Date

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Appendix B – Subsurface Boring Log and Well Installation Logs

Appendix C – Borehole Geophysics Report

Appendix D – Well Development Form and Calibration Forms

Appendix E – Certified Well Survey

1.0 Introduction

Stantec Consulting Services Inc. (Stantec) is submitting this Well Installation Report to Southern Company Services, Inc. (SCS) and Georgia Power Company (Georgia Power), which documents the construction of sixteen (16) monitoring wells at Plant Bowen in Euharlee, Georgia (Site). Well construction activities were performed in general accordance with the standards described in the Resource Conservation and Recovery Act (RCRA) Technical Enforcement Guidance Document (1986) and the Georgia Water Wells Standards Act of 1985, as updated. Well installations were completed to meet the requirements promulgated in the United States Environmental Protection Agency (US EPA) coal combustion residuals (CCR) rule [40 Code of Federal Regulations (CFR) Part 257, Subpart D], specifically 40 CFR §257.91(e)(1) and Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management 391-3-4-.10.

Georgia Power is preparing to expand its Plant Bowen CCR Disposal Facility landfill to the southeast of current Cells 3 & 4 with the construction of Cells 5 through 8. The sixteen (16) newly installed monitoring wells were installed to augment existing detection monitoring system and monitor the groundwater conditions around these new disposal cells at the Site. The well details are included in Table 1: Well Construction Details and the location is shown in Figure 1: Well Location Map. This report provides details for the drilling and installation of 16 wells.

2.0 Well Drilling and Construction Activities

Cascade Drilling, LP, under contract with SCS Civil Field Services, drilled and installed 16 wells between April 17-May 24, 2023. Cascade had a current and valid bond with the Water Wells Standards Advisory Council for the state of Georgia at the time of drilling (Appendix A). The driller's name is provided on the boring/construction diagrams presented in Appendix B.

An experienced Stantec geologist was present on site to oversee and record the drilling and well construction under the supervision of a professional geologist registered to practice in Georgia. Drilling methods employed for borehole advancement were roto-sonic drilling techniques. The drilling equipment consisted of a TSI 150cc Track-Mounted Compact Crawler Sonic drilling rig and a Prosonic sonic rig, equipped with 4-inch sonic rods with a 6-inch outer-casing sleeve. During the drilling, continuous core samples were logged and photographed in the field for lithologic properties. Appendix B contains the subsurface boring logs. Geophysics borehole logging was conducted by Collier Geophysics at four locations during drilling to aid in evaluating bedrock conditions and selection of screened interval. The geophysical logs consisted of a combination of acoustic televiewer, optical televiewer, caliper, fluid conductivity, fluid temperature, natural gamma, single point resistance, spontaneous potential and normal resistivity. The borehole geophysics report is included as Appendix C.

Wells were constructed at each boring using factory-cleaned and sealed Schedule 40 polyvinyl chloride (PVC) products with flush-threaded fittings. 16 wells were constructed with a 10-foot section of 2-inch outer diameter (OD) and 2-inch inner diameter (ID), flush-threaded, 0.010-inch factory-slotted PVC, U-Pack screens. The annulus of the U-Pack screen section was filled with Southern Products and Silica Gravel Pack #1 (16-50) filter sand. The screen was placed near the bottom of the borehole, with the

remainder of the well, constructed from 10-foot sections of 2-inch ID, flush-threaded, PVC casing riser. A flush-threaded PVC end cap was placed on the bottom of the well to provide a 0.4-foot sump/sediment trap, and the top of the well to extend to approximately 2.5 feet above grade. Construction details for the wells are shown on the well installation log (Appendix B). The PVC products used were American Society for Testing and Materials (ASTM) and National Sanitation Foundation (NSF) rated.

Following placement of the screen and casing, the annular space in the borehole adjacent to the screen was filled with Southern Products and Silica Gravel Pack #1 (16-50) sand. The filter pack sand was gravity poured into the borehole and extended approximately 2 to 3 feet above the depth of the top of the screen, then tamped into place. Immediately following placement of the filter pack, the wells were pumped using a portable submersible pump until visibly clear water was discharged. A filter pack seal was placed, using PelPlug 3/8-inch coated bentonite pellets, on top of the filter pack; thickness of each seal was a minimum of 2 feet. HolePlug coarse bentonite chips were also placed on top of the filter pack seal until reaching the top of groundwater. The bentonite was hydrated using both natural formation water and potable water and allowed to cure for approximately 24 hours prior to grouting the wells.

Following hydration of the bentonite, the remaining annular space was grouted with an AquaGuard® bentonite grout mixture to approximately 2 feet below ground surface using a tremie method. Based on information provided by the product manufacturer, AquaGuard® is a bentonite grout consisting of bentonite and additives that allow for a mixture of 30% solids by weight to facilitate grouting via tremie pipe, with additives that slow the bentonite curing so that proper placement can be achieved. Each well surface completion consists of a locked, aluminum protective casing and a 4-foot by 4-foot by 4-inch concrete pad with a name plate showing the well name, along with four concrete filled bollards surrounding the pad. The annular space of the aluminum protective casing was filled with pea gravel to approximately 2 inches from top of PVC. A weep hole was drilled into the lower side of the protective casing.

3.0 Well Development Activities

Resolute Environmental and Water Resources Consulting (Resolute) conducted development activities on May 3, 2023, and completed, June 2, 2023. Well Development activities were performed) in accordance with the approved Groundwater Monitoring Plan for Plant Bowen Landfill (October 2022)

. Wells were initially pumped and surged using a Reclaimer pump system. During development, water quality measurements of pH, temperature, specific conductance, oxidation reduction potential (ORP), dissolved oxygen (DO), and turbidity were periodically collected using field-calibrated water quality equipment.

During development activities, water quality measurements were conducted utilizing an AquaTroll® multimeter and a Hach turbidimeter. Water level measurements were collected using a decontaminated electronic water level indicator, referenced to a permanent marking at the top of the casing and recorded to within 0.01 foot.

Equipment Calibration and Well Development Forms are included in Appendix D. Resolute completed a well Development Form for the well, documenting well location, development date(s), elapsed time since development started, depth to water, purge rate, cumulative purge volume, and water quality parameter

measurements throughout and at completion of the development process. Due to the high turbidity, GWA-33 required a second development. The second development occurred on 07/06/2023 and the turbidity was unable to get below 40.60 NTUs. Therefore, this well was designated as a piezometer.

4.0 Well Survey

Wells were surveyed June 7, through June 9, 2023, by Metro Survey and Engineering. The survey was completed using Leica GS18T (survey-grade) global positioning system receiver and a closed level check loop with a Leica DNA 10 digital level with a positional tolerance of 0.5/0.01' H:V. The top of the PVC casing was surveyed to 0.5 foot horizontal and 0.01-foot vertical tolerance, and a marking was made on the PVC to use for reference during future measurements. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North American Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to the North American Vertical Datum of 1988. Surveyed coordinates and elevations are presented on the subsurface boring log and well installation log and on Table 1. The certified surveyor's report is attached as Appendix E.

TABLE

**Table 1
Well Construction Details**

**Georgia Power Company - Plant Bowen
Landfill Cells 5 & 6, and 7 & 8
Euharlee, Georgia**

Well	Latitude	Longitude	Northing (NAD83) ⁽¹⁾	Easting (NAD83) ⁽¹⁾	Top of Casing Elevation (feet NAVD88) ⁽²⁾	Ground Surface Elevation (feet NAVD88) ⁽²⁾	Top of Screen Elevation (feet NAVD88) ⁽³⁾	Screen Bottom Elevation (feet NAVD88) ⁽³⁾	Total Depth (feet bgs)	Depth to Bedrock (feet bgs)	Screened Interval (feet bgs)	Screen Length (feet)	Date Installed
GWC-26	34.138443	-84.897943	1506231.7	2075314.3	676.28	673.15	644.45	634.45	39.1	26.0	28.7-38.7	10.0	4/20/2023
GWC-27	34.137919	-84.897363	1506039.7	2075488.4	675.85	673.21	641.01	631.01	42.5	25.0	32.2-42.2	10.0	4/23/2023
GWC-27R	34.137872	-84.897296	1506022.3	2075508.5	676.17	673.29	594.99	584.99	88.7	20.0	78.3-88.3	10.0	5/5/2023
GWC-28	34.137270	-84.896520	1505801.7	2075741.9	675.30	672.82	638.52	628.52	44.7	14.5	34.3-44.3	10.0	4/22/2023
GWC-29	34.136471	-84.896086	1505509.8	2075871.2	679.29	676.13	628.33	618.33	58.2	33.0	47.8-57.8	10.0	5/1/2023
GWC-29R	34.136405	-84.896094	1505485.9	2075868.3	679.12	676.22	580.22	570.22	106.0	23.5	96.0-106.0	10.0	5/15/2023
GWC-30	34.135636	-84.896143	1505206.2	2075851.5	685.00	681.86	643.86	633.86	48.0	26.5	38.0-48.0	10.0	4/25/2023
GWC-31	34.134870	-84.896251	1504927.6	2075816.9	683.13	680.20	623.40	613.40	67.2	54.0	56.8-66.8	10.0	5/8/2023
GWC-31R	34.134941	-84.896243	1504953.4	2075819.5	683.09	680.18	584.18	574.18	106.5	47.0	96.0-106.0	10.0	5/4/2023
GWC-32	34.133989	-84.896452	1504607.5	2075753.7	692.18	688.93	640.33	630.33	59.0	34.0	48.6-58.6	10.0	5/9/2023
GWA-33	34.133244	-84.898594	1504341.0	2075103.7	675.48	672.57	618.57	608.57	64.5	46.0	54.0-64.0	10.0	4/23/2023
GWA-33R	34.133252	-84.898678	1504344.0	2075078.2	675.20	672.13	572.43	562.43	109.7	41.0	99.7-109.7	10.0	5/18/2023
GWA-34	34.133357	-84.900917	1504387.1	2074401.0	673.25	670.19	614.89	604.89	65.4	59.0	55.3-65.3	10.0	5/22/2023
GWA-34R	34.133387	-84.900992	1504398.3	2074378.3	672.95	670.24	582.24	572.24	98.5	69.0	88.0-98.0	10.0	5/21/2023
GWA-35	34.134194	-84.902100	1504694.2	2074045.1	696.66	693.83	637.83	627.83	66.0	44.0	56.0-66.0	10.0	4/21/2023
GWA-57	34.133192	-84.899584	1504324.3	2074803.9	675.07	672.06	604.06	594.06	78.0	68.0	68.0-78.0	10.0	5/18/2023

Notes:

1. Horizontal locations referenced to Georgia State Plane West, North American Datum (NAD) of 1983
2. Vertical elevations are feet referenced to North American Vertical Datum of 1988 (NAVD88).
3. Screen elevations calculated using Ground Surface Elevation
4. Wells were surveyed by Metro Survey and Engineering

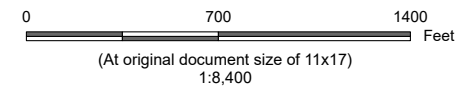
FIGURE



Legend

- Detection Monitoring Well (Overburden)
- Water Level Piezometer (Overburden)
- Detection Monitoring Well (Bedrock)
- Water Level Piezometer (Bedrock)
- Ephemeral Spring Location
- Approximate Site Boundary
- Landfill Cell Boundary (Approximate)

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



Project Location
 Euharlee, Georgia

Prepared by CA on 8/10/2023
 TR by MP on 8/10/2023
 IR by MD on 8/10/2023

Client/Project

172678190

Georgia Power
 2023 Well Installation Report - Landfill Cells 5&6 and 7&8

Figure No.

1

Title

Well Location Map

APPENDIX A
CASCADE DRILLING BOND



Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: Deanna M. French, Susan B. Larson, Elizabeth R. Hahn, Jama M. Roy, Scott McGivray, Mindie L. Rankin, Ronald J. Lange, John R. Clarys, Roger Kaltenbach, Guy Armfield, Scott Fisher, Andrew P. Larsen, Nicholas Fredrickson, William M. Smith, Derek Sabo, Clarita M. Haurin, each and severally if there be more than one named, its true and lawful Attorney-in-Fact to make, execute, seal and deliver, for and on its behalf as surety any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company therein; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and in all the Company seal therein, and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney in Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating therein appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal when so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

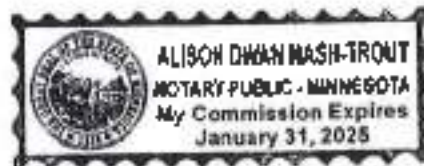
IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this twenty-seventh day of April, 2020.



By *Paul J. Brehm*
Paul J. Brehm, Senior Vice President

STATE OF MINNESOTA
HENNEPIN COUNTY

On this twenty-seventh day of April, 2020, before me personally came Paul J. Brehm, Senior Vice President of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation, personally known to me the individual and office described in and who executed the preceding instrument, and he acknowledged the execution of the same, and being by me duly sworn, that he is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.



Alison Dwan Wash-Trout
Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed Date: 12 day of April, 2021.

This Power of Attorney expires
January 31, 2025



Kara Burrow
Kara Burrow, Secretary

CONTINUATION
CERTIFICATE

Atlantic Specialty Insurance Company

, Surety upon

a certain Bond No 800033976

dated effective 09/27/2017
(MONTH-DAY-YEAR)

on behalf of Ricky Davis / Cascade Drilling, L.P.
(PRINCIPAL)

and in favor of Department of Natural Resources, State of Georgia
(OBIGEE)

does hereby continue said bond in force for the further period

beginning on 06/30/2021
(MONTH-DAY-YEAR)

and ending on 06/30/2023
(MONTH-DAY-YEAR)

Amount of bond Thirty Thousand and 00/100 Dollars (\$30,000.00)

Description of bond Performance Bond for Water Well Contractors

PROVIDED: That this continuation certificate does not create a new obligation and is executed upon the express condition and provision that the Surety's liability under said bond and this and all Continuation Certificates issued in connection therewith shall not be cumulative and that the said Surety's aggregate liability under said bond and this and all such Continuation Certificates on account of all defaults committed during the period (regardless of the number of years) said bond had been and shall be in force, shall not in any event exceed the amount of said bond as hereinbefore set forth.

Signed and dated on April 12th, 2021
(MONTH DAY-YEAR)

Atlantic Specialty Insurance Company

By 
Attorney-in-Fact Andrew P. Larsen

Parker, Smith & Feak, Inc.

Agent

2233 112th Ave NE Bellevue, WA 98004

Address of Agent

425-709-3600

Telephone Number of Agent

APPENDIX B
SUBSURFACE BORING LOG AND WELL
INSTALLATION LOGS

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-33
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133244, Long. -84.898594 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.57 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/22/23 </u> Completed <u> 4/24/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 19.2 ft </u> Date/Time <u> 4/23/23 17:00 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden: Rock Core:	Sample RQD %	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
Depth Ft ²	Elevation								
0	0.0	672.6	Top of Hole						
1			SILTY LEAN CLAY, CL, 2.5YR 4/6 (red), low to medium plasticity, firm, moist						
2									
3	3.2	669.4							
4			SILTY FAT CLAY, CH, 10YR 5/1 (gray), high plasticity, very hard, dry	RS01E	0.0 - 7.0	7.0	N/A		
5									
6									
7									
8									
9	9.5	663.1	SILTY POORLY GRADED SAND WITH CLAY, SM, 2.5YR 6/4 (light reddish brown), fine, medium dense, moist						
10									
11									
12			SANDY WELL GRADED GRAVEL WITH SILT, GM, 2.5YR 6/4 (light reddish brown), fine, loose, moist						
13	13.0	659.6							
14	14.0	658.6	SILTY POORLY GRADED SAND WITH CLAY, SM, 5YR 5/8 (yellowish red) and 10YR 5/1 (gray), fine, medium dense, moist						
15									
16									
17									
18			SILTY LEAN CLAY SOME SAND, CL, 7.5YR 6/8 (reddish yellow) and 10YR 5/1 (gray), low plasticity, firm, moist, With trace to little chert						
19									
20	20.5	652.1							
21			SILTY LEAN CLAY SOME SAND, CL, 7.5YR 6/8 (reddish yellow) and 10YR 5/1 (gray), low plasticity, firm, moist, With trace to little chert	RS03E	17.0 - 27.0	10.0	N/A		
22									
23									
24									
25									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0,GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-33
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133244, Long. -84.898594 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.57 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
25			SILTY LEAN CLAY SOME SAND, CL, 7.5YR 6/8 (reddish yellow) and 10YR 5/1 (gray), low plasticity, firm, moist, With trace to little chert <i>(Continued)</i>							
26										
27										
28										
29										
30										
31										
32						RS04E	27.0 - 37.0	10.0	N/A	
33										
34										
35										
36										
37	37.0	635.6								
38			CLAYEY POORLY GRADED SAND WITH SILT WITH GRAVEL, SM, 10YR 4/4 (dark yellowish brown), fine, loose, wet, Pebble to cobble, surrounded, Quartzite gravel							
39										
40										
41										
42						RS05E	37.0 - 47.0	4.5	N/A	
43										
44										
45										
46	46.0	626.6								
47				Dolomite, light gray, hard, slightly weathered, wet, Munsell color N7						
48										
49										
50	50.0	622.6								
51			Void 50 to 54 feet							
52										
53										
54	54.0	618.6								
55			Dolomite, light gray, hard, slightly weathered, wet, iron oxide staining. Zone with void 57 to 65 feet. Munsell color N7.							
56										

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-33
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133244, Long. -84.898594 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.57 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
57		▨	Dolomite, light gray, hard, slightly weathered, wet, iron oxide staining, Zone with void 57 to 65 feet. Munsell color N7. <i>(Continued)</i>						
58		▨							
59		▨							
60		▨							
61		▨							
62		▨							
63		▨							
64		▨							
65		▨							
66		▨							
67	67.0	605.6							

No Refusal /
Bottom of Hole at 67.0 Ft.

Top of Rock = 46.0 Ft.
Top of Rock Elevation = 626.6 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/22/23</u>	Date Completed: <u>4/23/23</u>
Borehole/Well No: <u>GWA-33</u>	Northing (ft): <u>1504341.0</u>	Easting (ft): <u>2075103.7</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133244</u>	Longitude: <u>W84.898594</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.57</u>	Stickup (ft, ags): <u>2.92</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>67.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>64.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>675.48</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>19.23</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.92 ft, ags</u>	Stick up: <u>2.92</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>43.0 ft, bgs</u>	Casing Top: <u>2.92</u> ft, ags Bottom: <u>54.0</u> ft, bgs
	Bentonite <u>52.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Top of Screen <u>54.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Bottom of screen <u>64.0 ft, bgs</u>	Screen Top: <u>54.0</u> ft, bgs Bottom: <u>64.0</u> ft, bgs
	Top of backfill below filter pack (see notes) <u>67.0 ft, bgs</u>	Sump/end cap Top: <u>64.0</u> ft, bgs Bottom: <u>64.5</u> ft, bgs
	Terminus of borehole <u>67.0 ft, bgs</u>	Grout Quantity: <u>40 gallons</u>
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>2.0</u> ft, bgs Bottom: <u>43.0</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>43.0</u> ft, bgs Bottom: <u>52.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>52.0</u> ft, bgs Bottom: <u>67.0</u> ft, bgs
		Notes: 5.5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets Three bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations




Client Borehole ID <u>N/A</u>	Stantec Boring No. GWA-33R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133252, Long. -84.898678</u>
Project Number <u>175569450</u>	Surface Elevation <u>672.13 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/9/23</u> Completed <u>5/10/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>20.2 ft</u> Date/Time <u>5/16/23 08:50</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler Driller</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>A. Stevens</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	672.1	Top of Hole						
1			SILTY LEAN CLAY, CL, 2.5YR 4/4 (reddish brown), low to medium plasticity, soft to firm, dry to moist, no staining						
2	2.0	670.1		FAT CLAY, CH, 10YR 5/6 (yellowish brown) with 2.5YR 4/6 (red), medium to high plasticity, hard, dry, iron oxide staining, Stratified, Mottled					
5	5.0	667.1	SILTY WELL GRADED GRAVEL WITH CLAY, GW-GC, 10YR 5/4 (yellowish brown) with 2.5YR 4/6 (red), fine to coarse, medium dense, dry to moist, iron oxide staining, Fissured, subrounded to subangular, moderately graded, Quartzite gravel	RS01E	0.0 - 10.0	9.0	N/A		
7	7.0	665.1							
10	10.0	662.1	SANDY FAT CLAY WITH SILT, SC, 2.5Y 7/2 (light gray) with 2.5YR 4/6 (red), very fine to fine, medium plasticity, dense, dry, Stratified, poorly graded, Mottled lenses of fine sand						
11			GRAVELLY SILT WITH CLAY, ML, 2.5Y 8/2 (pale brown) with 10YR 6/8 (brownish yellow), low plasticity, firm to hard, moist, iron oxide staining, Fissured, Chert gravel						
13	13.0	659.1							
14	14.0	658.1	CLAYEY SILTY GRAVEL, GM, 2.5YR 6/4 (light reddish brown), fine to coarse, loose, moist, iron oxide staining						
15			GRAVELLY SILT WITH CLAY, CL-ML, 2.5Y 8/2 (pale brown) with 10YR 6/8 (brownish yellow), low to medium plasticity, firm, moist, iron oxide staining, Stratified, Mottled	RS02E	10.0 - 20.0	10.0	N/A		
17	17.0	655.1							
18			SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 7/8 (yellow), low plasticity, soft to firm, moist, Cherty dolomite gravel, trace white silty clay						
19									
20									

STANTEC 1755 STD 175569450 BORING LOGS (I)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
20		 SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 7/8 (yellow), low plasticity, soft to firm, moist, Cherty dolomite gravel, trace white silty clay <i>(Continued)</i>							
21									
22									
23									
24									
25					RS03E	20.0 - 30.0	10.0	N/A	
26									
27									
28									
29									
30									
31									
32									
33									
34	34.0	638.1							
35		 GRAVELLY SILT WITH CLAY, SM, 10YR 4/4 (dark yellowish brown) with 2.5Y 3/2 (very dark grayish brown), fine, loose, moist to wet, Fissured, Manganese staining with mottling; partially weathered dolomite and chert gravel							
36					RS04E	30.0 - 40.0	10.0	N/A	
37									
38									
39									
40									
41	41.0	631.1							
42		 Void						void from 41 to 49	
43									
44									
45									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
45			Void (Continued)		RS05E	40.0 - 50.0	2.0	N/A	soft zone to 53 feet
46									
47									
48									
49	49.0	623.1							
50	50.0	622.1	CLAYEY WELL GRADED GRAVEL WITH SILT SOME SAND, GW, 10YR 6/6 (brownish yellow), fine to coarse, loose, wet, Fissured, well graded, Pale white mottled reduced iron zones; partially weathered chert and dolomite gravel with vugs						
51	51.0	621.1							
52			CLAYEY SILTY SAND, SM, 10YR 5/6 (yellowish brown) with 2.5Y 8/1 (white), fine to medium, very loose, wet, iron oxide staining, Lensed, moderately graded						
53	53.0	619.1							
54			CLAYEY WELL GRADED GRAVEL WITH SILT SOME SAND, GW, 10YR 6/6 (brownish yellow), fine to coarse, loose, wet, Fissured, gap graded, Partially weathered dolomite gravel at 52 to 53 feet bgs		RS06E	50.0 - 60.0	4.0	N/A	
55									
56			Void						
57									
58									
59	59.0	613.1							
60			Dolomite, light gray with dark orange, finely crystalline, moderately hard to hard, massive bedded, highly weathered to slightly weathered, iron oxide staining, Munsell color N7, iron staining with small vugs						
61									
62									
63	63.0	609.1							
64	64.0	608.1	Void						
65			Dolomite, light gray, hard, slightly weathered, iron oxide staining, Munsell color N7, some very small, tight calcite fracture fills		RS07E	60.0 - 70.0	4.5	N/A	
66	66.0	606.1							
67			Void						
68									
69	69.0	603.1							
70									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RQDGT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
70			Dolomite, light gray with dark orange, finely crystalline, hard, massive bedded, Munsell color N7, some chert interbedding and tight fracture fill <i>(Continued)</i>						
71	71.5	600.6							
72			Void						
73									
74									
75					RS08E	70.0 - 80.0	0.5	N/A	
76									
77									
78									
79									
80	80.0	592.1							in filled void
81	81.0	591.1	Dolomite, Munsell color N7						
82			Void						
83									
84									
85					RS09E	80.0 - 90.0	0.0	N/A	
86									
87									
88									
89									
90									
91									
92									
93									
94									
95									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-33R
 Boring Location Lat. 34.133252, Long. -84.898678
 Surface Elevation 672.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
95			Void (Continued)		RS10E	90.0 - 100.0	1.0	N/A	
96									
97									
98	98.0	574.1	Dolomite, light gray with dark orange, finely crystalline, hard, massive bedded to thin, iron oxide staining, Munsell color N7 to N4, some thin interbedding, wider calcite and dolomite fracture fill						
99									
100									
101									
102									
103									
104									
105	105.0	567.1		Void					
106									
107									
108	108.0	564.1	Dolomite (80%) With Sandstone (20%)						
109									
110	110.0	562.1	Dolomite, light gray light yellow gray, fine grained to medium grained, hard, medium bedded, iron oxide staining, calcareous, Munsell color N7 to N4 with RP2/2, cherty dolomite with sandstone and/or quartzite						
110									

No Refusal /
Bottom of Hole at 110.0 Ft.

Top of Rock = 53.0 Ft.
Top of Rock Elevation = 619.1 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/16/2023</u>	Date Completed: <u>5/18/2023</u>
Borehole/Well No: <u>GWA-33R</u>	Northing (ft): <u>1504344.0</u>	Easting (ft): <u>2075078.2</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133252</u>	Longitude: <u>W84.898678</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>AD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.13</u>	Stickup (ft, ags): <u>3.07</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>110.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>109.7</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>675.20</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>20.21</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.07 ft, ags</u>	Stick up: <u>3.07</u> ft, ags
	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
		Casing Top: <u>3.07</u> ft, ags Bottom: <u>109.7</u> ft, bgs
	Grout <u>17.4 ft, bgs</u>	Screen Type: <u>U-pack</u>
	2 inch casing	Screen Slot Size: <u>0.010"</u>
	Bentonite Pellets <u>97.1 ft, bgs</u>	Screen Top: <u>99.3</u> ft, bgs Bottom: <u>109.3</u> ft, bgs
	97.1 ft bgs Filter pack	Sump/end cap Top: <u>109.3</u> ft, bgs Bottom: <u>109.7</u> ft, bgs
	Top of Screen <u>99.3 ft, bgs</u>	Grout Quantity: <u>30 gallons</u>
	0.010" Slot screen	Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>17.4</u> ft, bgs
		Density Initial: <u>n/a</u> * lbs/gal Return: <u>n/a</u> * lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.4</u> ft, bgs Bottom: <u>97.1</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>97.1</u> ft, bgs Bottom: <u>110.0</u> ft, bgs
	Bottom of screen <u>109.3 ft, bgs</u>	Notes: 8 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 ft ³ 1 50 lb bucket Pel Plug 3/8" coated bentonite pellets 23 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations
	Top of backfill below filter pack (see notes) <u>110.0 ft, bgs</u>	
	109.7 ft, bgs Sump/end cap	
	110.0 ft, bgs Base of filter pack	
	Terminus of borehole <u>110.0 ft, bgs</u>	

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWA-34
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133357, Long. -84.900917</u>
Project Number <u>175569450</u>	Surface Elevation <u>670.19 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/18/23</u> Completed <u>5/18/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>17.2 ft</u> Date/Time <u>5/18/23 08:49</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler Driller</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden: Rock Core:	Sample RQD %	Depth Ft Run Ft	Rec. Ft Rec. Ft	Blows/PSI Rec. %	Remarks
Depth Ft ²	Elevation								
0	0.0	670.2	Top of Hole						
1			SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 6/2 (light brownish gray) to 10YR 8/3 (very pale brown), non to low plasticity, soft, dry, no odor, no staining, Gravel fragments are subrounded	RS01E	0.0 - 10.0	8.0	N/A		
2	2.0	668.2							
3			WELL GRADED SAND WITH SILT SOME GRAVEL, SW-SC, 10YR 8/4 (very pale brown) to 10YR 8/2 (very pale brown), fine to coarse, loose, dry	RS01E	0.0 - 10.0	8.0	N/A		
4	4.0	666.2							
5	5.5	664.7	ELASTIC SILT WITH CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm	RS01E	0.0 - 10.0	8.0	N/A		
6									
7			SILTY LEAN CLAY SOME GRAVEL, CL, 10YR 6/2 (light brownish gray) to 10YR 8/3 (very pale brown), non to low plasticity, soft, dry, no odor, no staining, Gravel fragments are subrounded	RS01E	0.0 - 10.0	8.0	N/A		
8									
9			SILTY LEAN CLAY, MH/CL, 10YR 6/1 (gray), low to medium plasticity, firm, dry	RS01E	0.0 - 10.0	8.0	N/A		
10	10.0	660.2							
11			SILTY LEAN CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm, moist	RS02E	10.0 - 20.0	10.0	N/A		
12	12.5	657.7							
13			GRAVELLY WELL GRADED SAND, GP, 10YR 6/1 (gray), medium to coarse, loose, wet, well graded	RS02E	10.0 - 20.0	10.0	N/A		
14									
15	15.5	654.7	SILTY LEAN CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm, wet	RS02E	10.0 - 20.0	10.0	N/A		
16									
17	17.0	653.2							
18									
19									
20									
21									
22									
23									
24									
25									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450





 Stantec Boring No. **GWA-34**
 Boring Location Lat. 34.133357, Long. -84.900917
 Surface Elevation 670.19 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Rock Core:		RQD %	Run Ft	Rec. Ft	Rec. %		
25			SILTY LEAN CLAY, MH/CL, 10YR 8/1 (white), low to medium plasticity, firm, wet (Continued)		RS03E	20.0 - 30.0	10.0	N/A	
26									
27	27.0	643.2	SILTY LEAN CLAY LITTLE GRAVEL, MH/CL, 10YR 8/1 (white) to 10YR 6/4 (light yellowish brown), low to medium plasticity, firm, wet, Angular dolostone fragments						
28									
29									
30			SILTY FAT CLAY LITTLE GRAVEL, CH, 10YR 7/6 (yellow), medium to high plasticity, soft to hard, wet, Angular dolostone gravel		RS04E	30.0 - 40.0	10.0	N/A	
31	31.5	638.7							
32									
33									
34			No recovery, no void. Potential sandy/gravel layer						
35									
36									
37									
38									
39			SANDY FAT CLAY SOME GRAVEL, CH, 10YR 5/6 (yellowish brown), medium to high plasticity, firm to hard, wet, Angular dolostone gravel		RS05E	40.0 - 50.0	0.0	N/A	
40	40.0	630.2							
41									
42									
43									
44									
45			FAT CLAY, CH, 10YR 5/4 (yellowish brown), high plasticity, hard, moist						
46									
47			GRAVELLY LEAN CLAY WITH SAND, CL, 7.5YR 5/6 (strong brown) with 10YR 8/1 (white), non to low plasticity, soft to firm, wet, no odor, no staining, Angular mudstone fragments.		RS06E	50.0 - 60.0	8.0	N/A	
48									
49									
50	50.0	620.2							
51			FAT CLAY, CH, 10YR 5/4 (yellowish brown), high plasticity, hard, moist						
52	52.0	618.2							
53	53.5	616.7							
54									
55									
56									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-34**
 Boring Location Lat. 34.133357, Long. -84.900917
 Surface Elevation 670.19 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
57			GRAVELLY LEAN CLAY WITH SAND, CL, 7.5YR 5/6 (strong brown) with 10YR 8/1 (white), non to low plasticity, soft to firm, wet, no odor, no staining, Angular mudstone fragments. <i>(Continued)</i>						
59.0	611.2								
60			Dolomite, light gray, finely crystalline, hard, thin bedded, iron oxide staining, Munsell color N7						
61.0	609.2								
62			Void and thin dolostone beds/gravel filled void	RS07E	60.0 - 66.0		3.0	N/A	
65.0	605.2								
66.0	604.2		Dolomite, light gray, finely crystalline, hard, thin bedded, iron oxide staining, Munsell color N7						

No Refusal /
Bottom of Hole at 66.0 Ft.

Top of Rock = 59.0 Ft.
Top of Rock Elevation = 611.2 Ft.



















Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 5/19/23 </u> Completed <u> 5/19/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 16.6 ft </u> Date/Time <u> 5/20/23 08:26 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	670.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 5/2 (reddish gray), low plasticity, firm, moist, With little quartzite gravel (rounded, pebble to cobble).						
2									
3	2.5	667.7	FAT CLAY, CH, 5YR 5/2 (reddish gray) with 5YR 7/6 (reddish yellow), high plasticity, firm, moist		RS01E	0.0 - 7.0	7.0	N/A	
4									
5									
6									
7									
8									
9									
10									
11									
12	12.1	658.1	SILTY LEAN CLAY LITTLE GRAVEL, CL, 7.5YR 7/1 (light gray), low plasticity, firm, moist, With little angular chert and dolomite gravel (pebble size)		RS02E	7.0 - 17.0	7.0	N/A	
13									
14									
15									

STANTEC 1755 STD 175569450 BORING LOGS (I)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-34R
 Boring Location Lat. 34.133387, Long. 84.900992
 Surface Elevation 670.24 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
15			SILTY LEAN CLAY LITTLE GRAVEL, CL, 7.5YR 7/1 (light gray), low plasticity, firm, moist, With little angular chert and dolomite gravel (pebble size) <i>(Continued)</i>						
16									
17									
18									
19									
20									
21									
22	22.2	648.0			RS03E	17.0 - 27.0	7.0	N/A	
23			SANDY WELL GRADED GRAVEL WITH SILT, GW, 7.5YR 7/1 (light gray), very fine to coarse, loose, wet, Angular, pebble to cobble, chert and dolomite.						
24									
25									
26									
27									
28									
29									
30									
31									
32					RS04E	27.0 - 37.0	2.3	N/A	
33									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Rock Core:		RQD %	Run Ft	Rec. Ft	Rec. %		
34		●●●●●	SANDY WELL GRADED GRAVEL WITH SILT, GW, 7.5YR 7/1 (light gray), very fine to coarse, loose, wet, Angular, pebble to cobble, chert and dolomite. <i>(Continued)</i>						
35		●●●●●							
36		●●●●●							
37	633.2	●●●●●	SANDY LEAN CLAY LITTLE GRAVEL, CL, 7.5YR 7/1 (light gray) and 5YR 7/6 (reddish yellow), low plasticity, soft, wet, With little angular chert pebbles.						
38		/ / / / /							
39		/ / / / /							
40		/ / / / /							
41		/ / / / /							
42		/ / / / /		RS05E	37.0 - 47.0		10.0	N/A	
43	627.2	/ / / / /	CLAYEY POORLY GRADED SAND WITH SILT LITTLE GRAVEL, SM, 7.5YR 7/6 (reddish yellow), fine, loose, wet, With little angular, chert and dolomite gravel (pebble size).						
44		/ / / / /							
45		/ / / / /							
46		/ / / / /							
47		/ / / / /							
48		/ / / / /							
49		/ / / / /							
50		/ / / / /							
51		/ / / / /							
52		/ / / / /							

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0, GDT 7/24/23

















Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-34R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133387, Long. 84.900992 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 670.24 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71	69.0 601.2	CLAYEY POORLY GRADED SAND WITH SILT LITTLE GRAVEL, SM, 7.5YR 7/6 (reddish yellow), fine, loose, wet, With little angular, chert and dolomite gravel (pebble size). <i>(Continued)</i>		RS06E	47.0 - 67.0	2.2	N/A	
		Dolomite, gray, microcrystalline, hard, thin to medium bedded, slightly weathered, wet, iron oxide staining, 45° bedding angle						

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-34R
 Boring Location Lat. 34.133387, Long. 84.900992
 Surface Elevation 670.24 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
72			Dolomite, gray, microcrystalline, hard, thin to medium bedded, slightly weathered, wet, iron oxide staining, 45° bedding angle <i>(Continued)</i>		RS07E	67.0 - 77.0	3.1	N/A	
73									
74									
75	75.0	595.2	Void						
76									
77									
78	78.0	592.2	Dolomite, light gray, microcrystalline, moderately hard, thin, moderately weathered, wet, iron oxide staining, Interbedded with chert		RS08E	77.0 - 87.0	3.1	N/A	
79									
80									
81									
82									
83									
84									
85									
86	86.5	583.7	Dolomite, light gray, microcrystalline, hard, moderately weathered, wet, iron oxide staining, With small (<1 ft) clayey gravel filled void approximately 92-96', 98-101.						
87									
88									
89									
90									

STANTEC 1755 STD BORING LOGS (I)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWA-34R
 Boring Location Lat. 34.133387, Long. 84.900992
 Surface Elevation 670.24 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
90			Dolomite, light gray, microcrystalline, hard, moderately weathered, wet, iron oxide staining, With small (<1 ft) clayey gravel filled void approximately 92-96', 98-101'. <i>(Continued)</i>						
91									
92				RS09E		87.0 - 97.0	4.0	N/A	
93									
94									
95									
96									
97									
98									
99				RS10E		97.0 - 101.0	1.7	N/A	
100									
101	101.0	569.2							

No Refusal /
Bottom of Hole at 101.0 Ft.

Top of Rock = 69.0 Ft.
Top of Rock Elevation = 601.2 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0,GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/19/23</u>	Date Completed: <u>5/21/23</u>
Borehole/Well No: <u>GWA-34R</u>	Northing (ft): <u>1504398.3</u>	Easting (ft): <u>2074378.3</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133387</u>	Longitude: <u>W84.900992</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>670.24</u>	Stickup (ft, ags): <u>2.71</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>101.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>98.5</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>672.95</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>16.61</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.71 ft, ags</u>	Stick up: <u>2.71</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
		Casing Top: <u>2.71</u> ft, ags Bottom: <u>88.0</u> ft, bgs
	Grout <u>17.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
		Screen Slot Size: <u>0.010"</u>
	Bentonite <u>84.0 ft, bgs</u>	Screen Top: <u>88.0</u> ft, bgs Bottom: <u>98.0</u> ft, bgs
	Top of Screen <u>88.0 ft, bgs</u>	Sump/end cap Top: <u>98.0</u> ft, bgs Bottom: <u>98.5</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>20.0 gallons</u>
	84.0 ft, bgs Filter pack	Grout Type: <u>Aquaguard</u>
		Grout Near Surface Top: <u>2.0</u> ft, bgs Bottom: <u>17.0</u> ft, bgs
	Bottom of screen <u>98.0 ft, bgs</u>	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
	Top of backfill below filter pack (see notes) <u>99.0 ft, bgs</u>	Bentonite Type: <u>Pellets and Holeplug</u>
	Terminus of borehole <u>101.0 ft, bgs</u>	Bentonite Seal Top: <u>17.0</u> ft, bgs Bottom: <u>84.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>84.0</u> ft, bgs Bottom: <u>99.0</u> ft, bgs
		Notes: Seven (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 m ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets 12 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

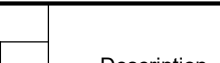

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWA-35
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.134194, Long. -84.902100</u>
Project Number <u>175569450</u>	Surface Elevation <u>693.83 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/20/23</u> Completed <u>4/20/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>38.8 ft</u> Date/Time <u>4/21/23 09:30</u>
Inspector <u>G. Robertson</u> Logger <u>G. Robertson</u>	Depth to Water <u>39.1 ft</u> Date/Time <u>4/21/23 05:10</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Prosonic SR120</u> Driller <u>M. Herron</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Depth Ft ²	Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	693.8	Top of Hole						
1			Overburden Silty clay						
2	2.0	691.8	SILTY LEAN CLAY, CL, 2.5YR 4/6 (red), low plasticity, soft to firm, dry						
4					RS01E	0.0 - 7.5	7.5	N/A	
10	10.0	683.8	SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 4/4 (reddish brown) with 10YR 8/1 (white), low to medium plasticity, soft, dry, weathered chert, white mottling						
12					RS02E	7.5 - 17.5	10.0	N/A	

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450















 Stantec Boring No. **GWA-35**
 Boring Location Lat. 34.134194, Long. -84.902100
 Surface Elevation 693.83 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
15		 SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 4/4 (reddish brown) with 10YR 8/1 (white), low to medium plasticity, soft, dry, weathered chert, white mottling (Continued)						
16								
17	17.0	676.8						
18		 SILTY SAND LITTLE CLAY, SM, 7.5YR 6/8 (reddish yellow) with 2.5Y 8/2 (pale brown), fine, loose, dry to moist, Lensed, poorly graded, Mottled						
19								
20								
21								
22								
23					RS03E	17.5 - 27.5	10.0	N/A
24								
25								
26								
27								
28								
29	29.5	664.3						
30		SILTY SAND SOME CLAY, SM, 10YR 4/4 (dark yellowish brown), fine, loose to dense, moist, Lensed, poorly graded						
31	31.5		662.3					
32								
33		SILTY SAND LITTLE CLAY, SM, 7.5YR 6/8 (reddish yellow) with 2.5Y 8/2 (pale brown), fine, loose, dry, Lensed, poorly graded, Mottled		RS04E	27.5 - 37.5	10.0	N/A	

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-35**
 Boring Location Lat. 34.134194, Long. -84.902100
 Surface Elevation 693.83 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
53			Dolomite, light gray, hard, slightly weathered, N7, dolomite fracture fill <i>(Continued)</i>		RS07E	47.5 - 57.5	10.0	N/A	
54									
55									
56									
57									
58									
59									
60									
61									
62									
63									Fracture zone
64									
65									
66									
67	67.0	626.8							

No Refusal /
Bottom of Hole at 67.0 Ft.

Top of Rock = 44.0 Ft.
Top of Rock Elevation = 649.8 Ft.

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/20/23</u>	Date Completed: <u>4/21/23</u>
Borehole/Well No: <u>GWA-35</u>	Northing (ft): <u>1504694.2</u>	Easting (ft): <u>2074045.1</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.134194</u>	Longitude: <u>W84.902100</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>693.83</u>	Stickup (ft, ags): <u>2.82</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>67.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>66.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>696.66</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>38.86</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.82 ft, ags</u>	Stick up: <u>2.82</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>41.0 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite <u>53.0 ft, bgs</u>	Casing Top: <u>2.82</u> ft, ags Bottom: <u>56.0</u> ft, bgs
	Top of Screen <u>56.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>66.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>67.0 ft, bgs</u>	Screen Top: <u>56.0</u> ft, bgs Bottom: <u>66.0</u> ft, bgs
	Terminus of borehole <u>67.0 ft, bgs</u>	Sump/end cap Top: <u>66.5</u> ft, bgs Bottom: <u>67.0</u> ft, bgs
		Grout Quantity: <u>160 gallons</u>
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>2.0</u> ft, bgs Bottom: <u>41.0</u> ft, bgs
		Density Initial: <u>n/a</u> lbs/gal Return: <u>n/a</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>41.0</u> ft, bgs Bottom: <u>53.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>53.0</u> ft, bgs Bottom: <u>67.0</u> ft, bgs
		Notes: Five (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets Five bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWA-57
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133192, Long. -84.899584 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.06 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 5/16/23 </u> Completed <u> 5/18/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 13.7 ft </u> Date/Time <u> 5/17/23 08:02 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> 17.8 ft </u> Date/Time <u> 5/18/23 10:02 </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	672.1	Top of Hole						
1			SILTY LEAN CLAY TRACE SAND, CL, 5YR 5/8 (yellowish red), low plasticity, firm, moist						
2									
3	3.8	668.3	FAT CLAY, CH, 5YR 6/1 (gray) and 5YR 5/4 (reddish brown), high plasticity, hard, dry, Mottled, trace muscovite.						
4									
5									
6									
7									
8									
9	9.2	662.9	SILTY WELL GRADED GRAVEL WITH CLAY TRACE SAND, GC, 5YR 6/1 (gray) and 5YR 5/4 (reddish brown), fine to coarse, loose, well graded, Rounded quartzite pebble to cobble.						
10									
11									
12	12.5	659.6	SILTY LEAN CLAY LITTLE SAND, CL, 5YR 6/1 (gray) and 7.5YR 6/8 (reddish yellow), low to medium plasticity, soft to firm, moist, Trace fine sand,						
13									
14									
15									
16									
17									
18	18.0	654.1	SILTY LEAN CLAY TRACE GRAVEL, CL, 5YR 6/1 (gray) and 5YR 5/4 (reddish brown), low to medium plasticity, firm, moist, Trace angular chert pebbles.						
19									
20									
21									
22									
23									
24									
25									
26									
27	27.0	645.1	SILTY LEAN CLAY TRACE GRAVEL, CL, 10YR 7/6 (yellow), low to medium plasticity, soft to firm, moist, Trace angular chert pebbles,						
28									
29									
30									
31									
32									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

Stantec Boring No. GWA-57
 Boring Location Lat. 34.133192, Long. -84.899584
 Surface Elevation 672.06 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Rock Core:		RQD %	Run Ft	Rec. Ft	Rec. %		
32			SILTY LEAN CLAY TRACE GRAVEL, CL, 10YR 7/6 (yellow), low to medium plasticity, soft to firm, moist, Trace angular chert pebbles, (Continued)		RS03E	17.0 - 47.0	23.0	N/A	
33									
34									
35									
36									
37	37.0	635.1							
38			WELL GRADED GRAVEL WITH SILT WITH SAND, GM, 10YR 6/6 (brownish yellow), fine to coarse, loose, wet, Angular chert pebbles.						
39									
40									
41									
42									
43									
44	44.0	628.1							
45			SILTY LEAN CLAY, CL, 10YR 7/2 (light gray), low plasticity, firm to soft, wet						
46									
47									
48									
49									
50									
51									
52	52.0	620.1							
53			Dolomite, light gray to dark gray, microcrystalline, hard, thin to massive bedded, moderately weathered, wet, iron oxide staining, Munsell color N6 to N4	RS04E	47.0 - 57.0	2.0	N/A		
54									
55									
56									
57	57.0	615.1							
58			POORLY GRADED SAND WITH SILT LITTLE GRAVEL, SM, 5YR 6/6 (reddish yellow) and 5YR 7/1 (light gray), fine to medium, Little rounded dolomite and clay stone gravel, pebble to cobble size.						
59									
60									
61									
62									
63									
64									
65									
66									
67									
68	68.0	604.1							
69			Dolomite, light gray, microcrystalline, hard, thin to medium bedded, moderately weathered, wet, iron oxide staining, Munsell color N7						
70									
71									
72	72.0	600.1							

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWA-57**
 Boring Location Lat. 34.133192, Long. -84.899584
 Surface Elevation 672.06 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
72			Void						
73									
74									
75									
76									
77					RS06E	67.0 - 87.0	5.8	N/A	
78									
79									
80									
81									
82									
83	83.0	589.1							
84			Dolomite, dark gray, microcrystalline, hard, medium bedded, wet, Munsell color N4						
85									
86									
87	87.0	585.1							

No Refusal /
 Bottom of Hole at 87.0 Ft.

Top of Rock = 68.0 Ft.
 Top of Rock Elevation = 604.1 Ft.

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/16/23</u>	Date Completed: <u>5/18/23</u>
Borehole/Well No: <u>GWA-57</u>	Northing (ft): <u>1504324.3</u>	Easting (ft): <u>2074803.9</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133192</u>	Longitude: <u>W84.899584</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.06</u>	Stickup (ft, ags): <u>3.01</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>87.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>78.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>675.07</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>13.65</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.01 ft, ags</u>	Stick up: <u>3.01</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>17.0 ft, bgs</u>	Casing Top: <u>3.01</u> ft, ags Bottom: <u>68.0</u> ft, bgs
	Bentonite <u>63.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Top of Screen <u>68.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Bottom of screen <u>78.0 ft, bgs</u>	Screen Top: <u>68.0</u> ft, bgs Bottom: <u>78.0</u> ft, bgs
	Top of backfill below filter pack (see notes) <u>79.0 ft, bgs</u>	Sump/end cap Top: <u>78.0</u> ft, bgs Bottom: <u>78.5</u> ft, bgs
	Terminus of borehole <u>87.0 ft, bgs</u>	Grout Quantity: <u>15 gallons</u>
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>17.0</u> ft, bgs
		Density Initial: <u>n/a</u> lbs/gal Return: <u>n/a</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.0</u> ft, bgs Bottom: <u>63.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>59.0</u> ft, bgs Bottom: <u>63.0</u> ft, bgs
		Notes: Cave in 79' - 87'
		14 (50 lb) bags Southern Products Silica GP #1 pack
		- Estimated dry filter pack volume - 2.5 ft ³
		One 50 lb bucket Pel Plug 3/8" coated bentonite pellets
		12 bags (50 lb) Hole Plug bentonite chips, 3/8"
		Backfill below sand pack: n/a
		* Grout mixed to manufacturers recommendations

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-26
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.138443, Long. -84.897943 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 673.15 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/18/23 </u> Completed <u> 4/18/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 18.8 ft </u> Date/Time <u> 4/19/23 19:46 </u>
Inspector <u> A. Stevens </u> Logger <u> A. Stevens </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Terrasonic Compact Crawler Driller </u> Driller <u> B. Griffis </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	673.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), medium plasticity, firm, dry, no odor, no staining						
2									
3									
4									
5					RS01E	0.0 - 10.0	4.0	N/A	
6									
7									
8									
9									
10									
11	11.5	661.7	SILTY LEAN CLAY LITTLE GRAVEL, CL, 5YR 5/4 (reddish brown) to 5YR 4/6 (yellowish red), medium plasticity, firm, dry, no odor, no staining, Subrounded gravel fragments						
12									
13									
14	14.5	658.7	POORLY GRADED SAND SOME GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, loose, moist, no odor, no staining, weak cementation, poorly graded						
15									
16					RS02E	10.0 - 20.0	6.0	N/A	
17									
18									
19									
20	20.0	653.2	Missing soil, rock hit at 26 ft bgs						
21									
22									
23									
24									
25									
26	26.0	647.2	Dolomite (90%) With Quartzite (10%) Dolomite, light blue gray, moist, iron oxide staining, Munsell color 5B 7/1						
27									
28									
29									
30					RS03E	20.0 - 30.0	2.0	N/A	

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-26
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.138443, Long. -84.897943 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 673.15 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
30			Dolomite (90%) With Quartzite (10%)						
31									
32			Dolomite, light blue gray, moist, iron oxide staining, Munsell color 5B 7/1 <i>(Continued)</i>						
33									
34									
35					RS04E	30.0 - 40.0	6.5	N/A	
36									
37	37.0	636.2							
38	38.0	635.2	Dolomite, hard, slightly weathered, moist, iron oxide staining, Chert and dolomite						
39			Dolomite, light blue gray, moist, iron oxide staining, Munsell color 5B 7/1 and N7						
40									
41									
42									
43					RS05E	40.0 - 45.0	3.5	N/A	
44									
45	45.0	628.2							

No Refusal /
 Bottom of Hole at 45.0 Ft.

Top of Rock = 26.0 Ft.
 Top of Rock Elevation = 647.2 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-27
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.137919, Long. -84.897363</u>
Project Number <u>175569450</u>	Surface Elevation <u>673.21 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/21/23</u> Completed <u>4/21/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>19.2 ft</u> Date/Time <u>4/21/23 19:47</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	673.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), low to medium plasticity, firm to soft, dry, no odor, no staining, Courser grained sediments more prevalent the deeper in the layer (fining upward)						
2									
3									
4									
5					RS01E	0.0 - 10.0	10.0	N/A	
6									
7									
8									
9									
10									
11									
12	12.0	661.2							
13			SILTY LEAN CLAY, CL, 5YR 5/4 (reddish brown) to 5YR 4/6 (yellowish red), non to low plasticity, very soft, dry, no odor, no staining, Subrounded gravel fragments						
14	14.0	659.2							
15			SILTY LEAN CLAY, CL, 5YR 5/4 (reddish brown) to 5YR 4/6 (yellowish red), medium plasticity, firm, moist, no odor, no staining, Subrounded gravel fragments						
16	15.5	657.7		RS02E	10.0 - 20.0	7.0	N/A		
17									
18			POORLY GRADED SAND SOME GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, medium plasticity, loose, moist, no odor, no staining, weak cementation, poorly graded						
19									
20	20.0	653.2							
21			POORLY GRADED SAND WITH GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, medium plasticity, loose, wet, no odor, no staining, weak cementation, poorly graded, Chert, dolomite and quartzite pebbles						
22									
23					RS03E	20.0 - 25.0	3.0	N/A	
24									
25	25.0	648.2							

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-27
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137919, Long. -84.897363 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 673.21 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
25			Dolomite, light blue gray, moist, Munsell color 5B 7/1		RS04E	25.0 - 30.0	1.5	N/A	
26									
27									
28									
29									
30									
31	642.2		2 voids both roughly 8 inches thick, dolomite fragments found at top of run						two fractures between 31-34 ft
32									
33									
34	639.2		Dolomite, light blue gray, moist, Munsell color 5B 7/1		RS05E	30.0 - 40.0	3.0	N/A	
35									
36									
37	636.2		Void						void from 37-38
38	635.2								
39			Dolomite (70%) With Limestone (30%)						
40	633.2		Dolomite, light blue gray to light gray, microcrystalline, very hard, Munsell color 5B 7/1 to N7						no recovery
41									
42			No recovery		RS06E	40.0 - 44.0	0.0	N/A	
43									
44	629.2								

No Refusal /
Bottom of Hole at 44.0 Ft.

Top of Rock = 25.0 Ft.
Top of Rock Elevation = 648.2 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/21/2023</u>	Date Completed: <u>4/23/2023</u>
Borehole/Well No: <u>GWC-27</u>	Northing (ft): <u>1506039.7</u>	Easting (ft): <u>2075488.4</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.137919</u>	Longitude: <u>W84.897363</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>673.21</u>	Stickup (ft, ags): <u>2.64</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>44.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>42.5</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>675.852</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>20.63</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.64 ft, ags</u>	Stick up: <u>2.64</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>18.9 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite Pellets <u>29.9 ft, bgs</u>	Casing Top: <u>2.64</u> ft, ags Bottom: <u>42.5</u> ft, bgs
	Top of Screen <u>32.1 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>42.1 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>44.0 ft, bgs</u>	Screen Top: <u>32.1</u> ft, bgs Bottom: <u>42.1</u> ft, bgs
	Terminus of borehole <u>44.0 ft, bgs</u>	Sump/end cap Top: <u>42.1</u> ft, bgs Bottom: <u>42.5</u> ft, bgs
		Grout Quantity: <u>40</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>18.9</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>18.9</u> ft, bgs Bottom: <u>29.9</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>29.9</u> ft, bgs Bottom: <u>44.0</u> ft, bgs
		Notes: 4 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ 1 50 lb bucket Pel Plug 3/8" coated bentonite pellets 2 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-27R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.137872, Long. -84.897296</u>
Project Number <u>175569450</u>	Surface Elevation <u>673.29 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/2/23</u> Completed <u>5/3/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>19.1 ft</u> Date/Time <u>5/3/23 08:45</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Myer</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	673.3	Top of Hole						
1			SILTY LEAN CLAY, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), low to medium plasticity, soft to firm, dry						
2									
3									
4									
5					RS01E	0.0 - 10.0	10.0	N/A	
8	8.0	665.3	CLAYEY SILT WITH SAND, ML, 7.5YR 5/6 (strong brown) to 5YR 4/6 (yellowish red), low plasticity, dry, Interbedded layers with yellow brown fine sand; trace subrounded gravel						
9									
10									
13	13.0	660.3	CLAYEY SILTY SAND, ML, 10YR 6/6 (brownish yellow) with 7.5YR 6/6 (reddish yellow), fine to medium, dry to moist, Laminated, poorly graded, Tan medium plastic clay; trace subrounded gravel						
14									
15					RS02E	10.0 - 20.0	10.0	N/A	
16									
18	18.0	655.3	SANDY WELL GRADED GRAVEL, GW, 5YR 5/8 (yellowish red), fine to coarse, very loose, moist, well graded						
19									
20	20.0	653.3							

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-27R**
 Boring Location Lat. 34.137872, Long. -84.897296
 Surface Elevation 673.29 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
20									
21	652.3		Dolomite, light gray to light blue, finely crystalline, moderately hard, massive bedded, slightly weathered to moderately weathered, iron oxide staining, Munsell 5B 7/1; small voids noted						void from 21 to 30
22			Void						
23									
24									
25					RS03E	20.0 - 30.0	2.0	N/A	
26									
27									
28									
29									
30	643.3								
31	642.3		Dolomite, light gray to light blue, finely crystalline, moderately hard, massive bedded, slightly weathered to moderately weathered, iron oxide staining, Munsell 5B 7/1; small voids noted						void from 31 to 33, 35 to 37, 38 to 39
32			Void						
33	640.3								
34									
35	638.3		Dolomite, light gray to light blue, finely crystalline, moderately hard, massive bedded, Munsell 5B 7/1, fracture filling						
36			Void		RS04E	30.0 - 40.0	2.5	N/A	
37	636.3								
38	635.3		Dolomite, light gray to light blue, finely crystalline, hard, massive bedded, slightly weathered, Munsell 5B 7/1; fracture filling						
39	634.3		Void						
40			Dolomite, light gray, finely crystalline, hard, iron oxide staining, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone						
41									
42									
43									
44									
45									

STANTEC 1755 STD BORING LOGS (1)GPIJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-27R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137872, Long. -84.897296 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 673.29 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
45			Dolomite, light gray, finely crystalline, hard, iron oxide staining, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone <i>(Continued)</i>		RS05E	40.0 - 50.0	9.0	N/A	iron oxide staining at end of run 5
46									
47									
48									
49									
50	50.0	623.3	Dolomite, light gray, finely crystalline, hard to very hard, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone, fracture fill						
51									
52									
53									
54									
55					RS06E	50.0 - 60.0	9.5	N/A	
56									
57									
58									
59									
60									
61									
62									
63									
64									
65					RS07E	60.0 - 70.0	6.0	N/A	
66									
67									
68									
69									
70									

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWC-27R
 Boring Location Lat. 34.137872, Long. -84.897296
 Surface Elevation 673.29 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
70			Dolomite, light gray, finely crystalline, hard to very hard, Munsell 5B 7/1; occasional maroon chert fragments and cherty dolostone, fracture fill <i>(Continued)</i>						chert, slow drilling
71									
72									
73									
74									
75				RS08E	70.0 - 80.0	8.0	N/A		
76									
77									
78								Iron staining	
79	79.0	594.3	Dolomite, light gray, finely crystalline, hard to very hard, iron oxide staining, Munsell 5B 7/1; trace cherty dolostone						
80									
81									
82									
83									
84									
85				RS09E	80.0 - 90.0	9.0	N/A		
86									
87									
88									
89									
90	90.0	583.3							

 No Refusal /
 Bottom of Hole at 90.0 Ft.

 Top of Rock = 20.0 Ft.
 Top of Rock Elevation = 653.3 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/2/2023</u>	Date Completed: <u>5/5/2023</u>
Borehole/Well No: <u>GWC-27R</u>	Northing (ft): <u>1506022.3</u>	Easting (ft): <u>2075508.5</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.137872</u>	Longitude: <u>W84.897296</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>673.29</u>	Stickup (ft, ags): <u>2.88</u>
Goals/Task: <u>Groundwater Investigation</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>89.5</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>88.7</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>676.17</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>19.09</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Josh Massey</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
—	Stick up <u>2.88 ft, ags</u>	Stick up: <u>2.88</u> ft, ags
—	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>17.7 ft, bgs</u>	Casing Top: <u>2.88</u> ft, ags Bottom: <u>78.3</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>75.4 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	75.4 ft bgs Filter pack	Screen Top: <u>78.3</u> ft, bgs Bottom: <u>88.3</u> ft, bgs
	Top of Screen <u>78.3 ft, bgs</u>	Sump/end cap Top: <u>88.3</u> ft, bgs Bottom: <u>88.7</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>60</u> gallons
	88.7 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	89.5 ft bgs Filter pack	Grout Top: <u>0.3</u> ft, bgs Bottom: <u>17.7</u> ft, bgs
	Terminus of borehole <u>89.5 ft, bgs</u>	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.7</u> ft, bgs Bottom: <u>75.4</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products GP #1</u>
		Filter Pack: Top: <u>75.4</u> ft, bgs Bottom: <u>89.5</u> ft, bgs
		Notes: 4 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~2.0 ft ³ - Estimated dry filter pack volume ~ 2.5 ft ³ 12 (50 lb) bags Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations





Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-28
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137270, Long. -84.896520 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.82 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/19/23 </u> Completed <u> 4/19/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 19.2 ft </u> Date/Time <u> 4/20/23 19:47 </u>
Inspector <u> A. Stevens </u> Logger <u> A. Stevens </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Terrasonic Compact Crawler </u> Driller <u> B. Griffis </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	672.8	Top of Hole						
1			LEAN CLAY, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), medium to high plasticity, firm, dry, no odor, no staining						
2									
3									
4									
5					RS01E	0.0 - 10.0	5.5	N/A	
6									
7									
8									
9	8.7	664.1	SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), non to low plasticity, firm, dry, no odor, no staining						
10									
11									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-28**
 Boring Location Lat. 34.137270, Long. -84.896520
 Surface Elevation 672.82 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
11		 SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown) to 5YR 4/6 (yellowish red), non to low plasticity, firm, dry, no odor, no staining <i>(Continued)</i>						
12								
13								
14								
14.5	658.3							
14.9	657.9							
15		 Dolomite, light blue gray, moist, Mundell color 5B 7/1		RS02E	10.0 - 20.0	7.5	N/A	
16		 POORLY GRADED SAND SOME GRAVEL, GP, 5YR 5/8 (yellowish red), medium to coarse, medium plasticity, loose, moist, no odor, no staining, weak cementation, poorly graded						
17								
18								
19								
20	652.8							
21		Dolomite (50%) With Quartzite (50%) Dolomite, light blue gray with pale yellow orange, very coarsely crystalline, moderately hard, slightly weathered, damp, no odor, iron oxide staining, Rounded quartzite pebbles with iron staining 23-25 feet, Munsell color 5B 7/1 to 10YR 8/6						
22								
23								
24	648.8	 Quartzite, Quarzite filled void						

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-28
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137270, Long. -84.896520 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.82 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
25			Quartzite, Quarzite filled void <i>(Continued)</i>		RS03E	20.0 - 30.0	6.0	N/A	
26	26.0	646.8	Dolomite, light blue gray, moist, Munsell color 5B 7/1						
27	27.0	645.8		light blue gray, moist, Void 27-28 ft, Munsell color 5B 7/1					
28	28.0	644.8	Dolomite, light blue gray, microcrystalline, soft, slightly weathered, damp, Munsell color 5B 7/1, iron staining and calcite veins 30-35 feet						
29									
30									
31									
32									
33					RS04E	30.0 - 35.0	2.0	N/A	
34									
35									
36									
37									
38	38.0	634.8			RS05E	35.0 - 40.0	3.0	N/A	

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-28
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.137270, Long. -84.896520 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 672.82 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
39			Dolomite (70%) With Limestone (30%)						
40	40.0	632.8	Dolomite, light blue gray to light gray, microcrystalline, very hard, Munsell color N7 to 5B 7/1 <i>(Continued)</i>						
41			Dolomite (50%) With Quartzite (50%)						
42			Dolomite, light blue gray with pale brown, very coarsely crystalline, moderately hard, slightly weathered, damp, no odor, iron oxide staining, Rounded quartzite pebbles with iron staining 40-42 feet. Dolomite Munsell color (5B 7/1) quartzite color (10YR 8/2)						
43					RS06E	40.0 - 45.0	2.5	N/A	
44									
45	45.0	627.8							

No Refusal /
Bottom of Hole at 45.0 Ft.

Top of Rock = 20.0 Ft.
Top of Rock Elevation = 652.8 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0,GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/20/2023</u>	Date Completed: <u>4/22/2023</u>
Borehole/Well No: <u>GWC-28</u>	Northing (ft): <u>1505801.7</u>	Easting (ft): <u>2075741.9</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.137270</u>	Longitude: <u>W84.896520</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>672.82</u>	Stickup (ft, ags): <u>2.48</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>45.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>44.7</u>
Drilling Equipment/Rig Type: <u>TSi 150CC</u>	Top of Casing elev (ft): <u>675.30</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>19.3</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.48 ft, ags</u>	Stick up: <u>2.48</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>17.1 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite Pellets <u>31.9 ft, bgs</u>	Casing Top: <u>2.48</u> ft, ags Bottom: <u>34.3</u> ft, bgs
	Top of Screen <u>34.3 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>44.3 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>45.0 ft, bgs</u>	Screen Top: <u>34.3</u> ft, bgs Bottom: <u>44.3</u> ft, bgs
	Terminus of borehole <u>45.0 ft, bgs</u>	Sump/end cap Top: <u>44.3</u> ft, bgs Bottom: <u>44.7</u> ft, bgs
		Grout Quantity: <u>60</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.0</u> ft, bgs Bottom: <u>17.1</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>17.1</u> ft, bgs Bottom: <u>31.9</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>31.9</u> ft, bgs Bottom: <u>45.0</u> ft, bgs
		Notes: 3.5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ 1 50 lb bucket Pel Plug 3/8" coated bentonite pellets 2 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-29
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.136471, Long. -84.896086</u>
Project Number <u>175569450</u>	Surface Elevation <u>676.13 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/23/23</u> Completed <u>4/24/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>22.3 ft</u> Date/Time <u>4/24/23 11:28</u>
Inspector <u>A. Stevens</u> Logger <u>A. Stevens</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Depth Ft ²	Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	676.1	Top of Hole						
0.5	675.6		LEAN CLAY, OL/OH, 5YR 4/4 (reddish brown) to 10YR 2/2 (very dark brown), medium to high plasticity, dry, no odor, no staining						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown), non to low plasticity, firm to soft, dry, no odor, no staining						
2									
3									
4									
5									
6	6.0	670.1	FAT CLAY TRACE SILT, CH, 10R 4/8 (red), high plasticity, firm, dry		RS01E	0.0 - 10.0	10.0	N/A	
7			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown), non to low plasticity, firm to soft, dry, no odor, no staining						
8									
9									
10									
11									
12									
13									
14									
15									
16									
17	17.0	659.1	FAT CLAY TRACE SILT, CH, 10R 4/8 (red), high plasticity, firm, dry		RS02E	10.0 - 20.0	10.0	N/A	
18			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/4 (reddish brown), non to low plasticity, firm to soft, dry, no odor, no staining						
19	19.0	657.1							
20	20.0	656.1							
21			FAT CLAY TRACE SILT, CH, 10R 4/8 (red), high plasticity, firm, dry						
22			Soft zone 20-24, lost run near to of rock at 33 ft bgs						soft zone til 24 feet
23									
24									
25					RS03E	20.0 - 30.0	0.0	N/A	
26									
27									
28									
29									
30									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-29**
 Boring Location Lat. 34.136471, Long. -84.896086
 Surface Elevation 676.13 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
30			Soft zone 20-24, lost run near to of rock at 33 ft bgs (Continued)						voids/fractures from 33-41
31									
32			No recovery, fractured zone and/or voids from 33-41 feet bgs. Weight of sample barrel core dropped from 40-41 feet after the 30-40 RS04 run.						
33	643.1				RS04E	30.0 - 40.0	0.0	N/A	
34									
35			Rock but no recovery						
36									
37			Void						
38									
39									
40			Void						
41	635.1								
42			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
43									
44									
45			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
46	630.1								
47			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
48									
49									
50			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
51									
52			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
53									
54									
55	621.1		Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
56									
57			Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						
58									
59									
60	616.1		Dolomite, light blue gray, finely crystalline to microcrystalline, very hard, calcareous, Munsell color: 5B 7/1						

 No Refusal /
 Bottom of Hole at 60.0 Ft.

 Top of Rock = 33.0 Ft.
 Top of Rock Elevation = 643.1 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/24/2023</u>	Date Completed: <u>5/1/2023</u>
Borehole/Well No: <u>GWC-29</u>	Northing (ft): <u>1505509.8</u>	Easting (ft): <u>2075871.2</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.136471</u>	Longitude: <u>W84.896086</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>676.13</u>	Stickup (ft, ags): <u>3.15</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>60.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>58.2</u>
Drilling Equipment/Rig Type: <u>TSi 150CC</u>	Top of Casing elev (ft): <u>679.29</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>24.01</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Andrew Stevens</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.15 ft, ags</u>	Stick up: <u>3.15</u> ft, ags
	Ground surface - 0.0'	
	Grout <u>21.7 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite Pellets <u>44.1 ft, bgs</u>	Casing Top: <u>3.15</u> ft, ags Bottom: <u>58.2</u> ft, bgs
	Top of Screen <u>47.8 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>57.8 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>NA</u>	Screen Top: <u>47.8</u> ft, bgs Bottom: <u>57.8</u> ft, bgs
	Terminus of borehole <u>60.0 ft, bgs</u>	Sump/end cap Top: <u>57.8</u> ft, bgs Bottom: <u>58.2</u> ft, bgs
		Grout Quantity: <u>100</u> gallons
		Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.3</u> ft, bgs Bottom: <u>21.7</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>21.7</u> ft, bgs Bottom: <u>44.1</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>44.1</u> ft, bgs Bottom: <u>60.0</u> ft, bgs
		Notes: <u>27 (50 lb) bags Southern Products Silica GP #1 pack</u> <u>- Estimated dry filter pack volume - 2.5 ft³</u> <u>17 50 lb bucket Pel Plug 3/8" coated bentonite pellets</u> <u>1 bags (50 lb) Hole Plug bentonite chips, 3/8"</u> <u>Backfill below sand pack: NA</u> <u>* Grout mixed to manufacturers recommendations</u>

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-29R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.136405, Long. -84.896094</u>
Project Number <u>175569450</u>	Surface Elevation <u>676.22 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/4/23</u> Completed <u>5/8/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>25.8 ft</u> Date/Time <u>5/9/23 09:34</u>
Inspector <u>G. Robertson</u> Logger <u>G. Robertson</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Prosonic SR120</u> Driller <u>M. Herron</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	676.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 5YR 4/6 (yellowish red), low plasticity, firm, moist						
2									
3									
4					RS01E	0.0 - 7.0	4.5	N/A	
5									
6									
7									
8									
9									
10									
11									
12	12.2	664.0		SILTY POORLY GRADED SAND LITTLE CLAY, SM, 5YR 6/6 (reddish yellow), medium dense					
13									
14									
15									
16									
17									
18									
19									
20									
21	21.5	654.7							
22									
23	23.5	652.7	WELL GRADED GRAVEL WITH SILT WITH SAND, GM, 5YR 5/8 (yellowish red), fine to coarse, Graveo ((pebble to cobble, rounded, quartzite and other), with fine to coarse sand, silt, little clay.						
24									
25									
26									
27									
28									
29	29.0	647.2							
30									
31									
32									
33									
34									
			Dolomite, pale gray, microcrystalline, soft, highly weathered, dry						
			Dolomite, light gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining						
				RS04E	27.0 - 33.0	2.5	N/A		

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-29R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.136405, Long. -84.896094 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 676.22 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
34			Dolomite, light gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining <i>(Continued)</i>		RS05E	33.0 - 37.0	3.5	N/A	
35									
36	36.6	639.6							
37			Dolomite, light gray, microcrystalline, hard, thin, slightly weathered, wet, iron oxide staining, With intercalated chert		RS06E	37.0 - 47.0	6.2	N/A	
38									
39									
40									
41									
42									
43									
44									
45									
46									
47									
48									
49									
50	50.0	626.2							
51			Dolomite, gray, microcrystalline, hard, medium bedded to massive bedded, slightly weathered, wet, iron oxide staining, Occasional iron oxide staining.		RS07E	47.0 - 57.0	5.7	N/A	
52									
53									
54									
55									
56									
57									
58									
59									
60									
61									
62			Dolomite, gray, microcrystalline, very hard, slightly weathered, wet, horizontal, Chert intercalations, fractures 2" to 8" vertical spacing, some calcite and dolomite filled veins. Clay filled void 78.5-79'.		RS08E	57.0 - 67.0	6.2	N/A	
63									
64									
65									
66									
67									
68	68.5	607.7							
69									
70			Dolomite, gray, microcrystalline, very hard, slightly weathered, wet, horizontal, Chert intercalations, fractures 2" to 8" vertical spacing, some calcite and dolomite filled veins. Clay filled void 78.5-79'.		RS09E	67.0 - 77.0	10.0	N/A	
71									
72									
73									
74									
75									
76									

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-29R**
 Boring Location Lat. 34.136405, Long. -84.896094
 Surface Elevation 676.22 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
77			Dolomite, gray, microcrystalline, very hard, slightly weathered, wet, horizontal, Chert intercalations, fractures 2" to 8" vertical spacing, some calcite and dolomite filled veins. Clay filled void 78.5-79'. (Continued)							
78										
79										
80										
81										
82					RS10E	77.0 - 87.0	4.6	N/A		
83	83.0	593.2								
84			Dolomite, light gray, microcrystalline, hard, thin, slightly weathered, wet, iron oxide staining, pyritic, Iron oxide staining along fractures and occasional pyrite.							
85										
86										
87										
88	88.5	587.7								
89			Dolomite, light gray, microcrystalline, very hard, medium bedded, slightly weathered, wet, With chert		RS11E	87.0 - 92.0	5.0	N/A		
90										
91	91.5	584.7								
92	92.0	584.2								
93			Dolomite, light gray, microcrystalline, hard, thin bedded, iron oxide staining, Iron oxide staining along apparent fractures							
94										
95			Dolomite, light gray to gray, microcrystalline, very hard, thin bedded to medium bedded, slightly weathered, wet, With chert		RS12E	92.0 - 97.0	0.0	N/A		
96										
97										
98										
99										
100										
101	101.3	574.9								
102			Dolomite, light gray, microcrystalline, hard, thin bedded, wet, iron oxide staining, Iron oxide staining 101-104 and 106-107'		RS13E	97.0 - 107.0	8.0	N/A		
103										
104										
105										
106										
107	107.0	569.2								

No Refusal /
Bottom of Hole at 107.0 Ft.

Top of Rock = 23.5 Ft.
Top of Rock Elevation = 652.7 Ft.

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/4/23</u>	Date Completed: <u>5/15/23</u>
Borehole/Well No: <u>GWC-29R</u>	Northing (ft): <u>1505485.9</u>	Easting (ft): <u>2075868.3</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.136405</u>	Longitude: <u>W84.896094</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>676.22</u>	Stickup (ft, ags): <u>2.90</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>107.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>106.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>679.12</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>25.79</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>2.90 ft, ags</u>	Stick up: <u>2.90</u> ft, ags
	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	
	Grout <u>24.0 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite <u>91.0 ft, bgs</u>	Casing Top: <u>2.90</u> ft, ags Bottom: <u>96.0</u> ft, bgs
	Top of Screen <u>96.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	2 inch casing	Screen Slot Size: <u>0.010"</u>
	91.0 ft bgs Filter pack	Screen Top: <u>96.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
	0.010" Slot screen	Sump/end cap Top: <u>106.0</u> ft, bgs Bottom: <u>106.5</u> ft, bgs
	Bottom of screen <u>106.0 ft, bgs</u>	Grout Quantity: <u>99 gallons</u>
	106.5 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	Top of backfill below filter pack (see notes) <u>106.0 ft, bgs</u>	Grout Top: <u>4.0</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
	Terminus of borehole <u>107.0 ft, bgs</u>	Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
	107.0 ft, bgs Base of filter pack	Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>86.0</u> ft, bgs Bottom: <u>91.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>91.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
		Notes: 4.5 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets 13 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-30
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.135636, Long. -84.896143 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 681.86 ft </u> Elevation Datum <u> NAVD88 </u>
Project Name <u> Plant Bowen Landfill Expansion </u>	Date Started <u> 4/24/23 </u> Completed <u> 4/25/23 </u>
Project Location <u> Bartow Co, Euharlee, Georgia </u>	Depth to Water <u> 29.4 ft </u> Date/Time <u> 4/25/23 </u>
Inspector <u> G. Robertson </u> Logger <u> G. Robertson </u>	Depth to Water <u> N/A </u> Date/Time <u> N/A </u>
Drilling Contractor <u> Cascade (Subcontractor) </u>	Drill Rig <u> Prosonic SR120 </u> Driller <u> M. Herron </u>
Overburden Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Rock Drilling and Sampling Tools (Type and Size) <u> 4" X 6" Rotary Sonic </u>	
Sampler Hammer Type <u> N/A </u> Weight <u> N/A </u> Drop <u> N/A </u> Efficiency <u> N/A </u>	
Reviewed By <u> J. Massey </u> Approved By <u> C. Sutherland </u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	681.9	Top of Hole						
1			SILTY LEAN CLAY WITH SAND, CL, 5YR 3/4 (dark reddish brown), low plasticity, firm, wet						
2									
3									
4					RS01E	0.0 - 7.0	7.0	N/A	
5	5.0	676.9	SANDY LEAN CLAY WITH SILT, CL, 5YR 5/8 (yellowish red), low plasticity, firm, moist						
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16	15.5	666.4	CLAYEY SILTY SAND, SM, 5YR 5/6 (yellowish red), fine, medium dense, moist						
17									
18									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-30**
 Boring Location Lat. 34.135636, Long. -84.896143
 Surface Elevation 681.86 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
18			CLAYEY SILTY SAND, SM, 5YR 5/6 (yellowish red), fine, medium dense, moist <i>(Continued)</i>							
19										
20										
21										
22					RS03E	17.0 - 27.0	9.0	N/A		
23	23.0	658.9								
24			SILTY POORLY GRADED SAND WITH CLAY WITH GRAVEL, SM, 10YR 4/4 (dark yellowish brown), fine, loose, wet, Pebble to cobble size chert gravel							
25										
26	26.5	655.4								
27			Dolomite, light gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining							
28										
29										
30										
31										
32	32.0	649.9			RS04E	27.0 - 37.0	8.5	N/A		
33			Dolomite, gray, microcrystalline, hard, slightly weathered							
34										
35										
36										
37										
38	38.0	643.9								
39				Dolomite, gray, microcrystalline, hard, slightly weathered, wet						
40										

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0, GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-30
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.135636, Long. -84.896143 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 681.86 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
41			Dolomite, gray, microcrystalline, hard, slightly weathered, wet <i>(Continued)</i>						
42				RS05E	37.0 - 47.0	10.0	N/A		
43									
44									
45									
46	46.0	635.9	Dolomite, gray, microcrystalline, hard, slightly weathered, wet, iron oxide staining						
47									
48				RS06E	47.0 - 50.0	1.0	N/A		
49									
50	50.0	631.9							

No Refusal /
Bottom of Hole at 50.0 Ft.

Top of Rock = 26.5 Ft.
Top of Rock Elevation = 655.4 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/24/23</u>	Date Completed: <u>4/25/23</u>
Borehole/Well No: <u>GWC-30</u>	Northing (ft): <u>1505206.2</u>	Easting (ft): <u>2075851.5</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.135636</u>	Longitude: <u>W84.896143</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>681.86</u>	Stickup (ft, ags): <u>3.15</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>50.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>48.0</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>685.00</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>29.38</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

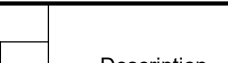
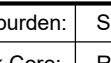
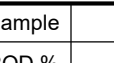
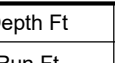
Depth (feet)	Well Construction	Materials Inventory
— — —	Stick up <u>3.10 ft, ags</u>	Stick up: <u>3.10</u> ft, ags
	Ground surface - 0.0'	
		Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>23.0 ft, bgs</u>	Casing Top: <u>3.10</u> ft, ags Bottom: <u>38.0</u> ft, bgs
	Bentonite <u>34.5 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Top of Screen <u>38.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	0.010" Slot screen	Screen Top: <u>38.0</u> ft, bgs Bottom: <u>48.0</u> ft, bgs
	Bottom of screen <u>48.0 ft, bgs</u>	Sump/end cap Top: <u>48.0</u> ft, bgs Bottom: <u>48.5</u> ft, bgs
	Top of backfill below filter pack (see notes) <u>50.0 ft, bgs</u>	Grout Quantity: <u>60 gallons</u>
	Terminus of borehole <u>50.0 ft, bgs</u>	Grout Type: <u>Aquaguard</u>
		Grout Top: <u>0.1</u> ft, bgs Bottom: <u>23.0</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>23.0</u> ft, bgs Bottom: <u>34.5</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>34.5</u> ft, bgs Bottom: <u>50.0</u> ft, bgs
		Notes: Five (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume ~ 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets Two bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-31
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.134870, Long. -84.896251</u>
Project Number <u>175569450</u>	Surface Elevation <u>680.20 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/5/23</u> Completed <u>5/6/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>27.8 ft</u> Date/Time <u>5/7/23 12:50</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Myer</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	680.2	Top of Hole						
1			Topsoil						
2	2.0	678.2	SILTY LEAN CLAY, CL, 2.5YR 4/4 (reddish brown) to 10R 4/4 (weak red), low plasticity, soft to firm, moist, Homogeneous						
3									
4									
5					RS01E	0.0 - 9.0	6.0	N/A	
6									
7									
8									
9									
10									
11									
12									
13									
14	14.0	666.2		SILTY LEAN CLAY, CL-ML, 5YR 4/6 (yellowish red), low plasticity, firm, moist					
15									
16				RS02E	9.0 - 20.0	11.0	N/A		
17									
18	18.0	662.2	CLAYEY SILTY SAND WITH GRAVEL, SM, 10YR 6/8 (brownish yellow) with 5YR 5/8 (yellowish red), very fine, loose to medium dense, moist, iron oxide staining, Manganese nodules, mottling						
19									
20									
21									
22									
23									
24									
25	25.0	655.2			RS03E	20.0 - 30.0	9.0	N/A	
26			SANDY WELL GRADED GRAVEL WITH SILT, GW, 2.5Y 7/4 (pale brown) to 10YR 5/6 (yellowish brown), fine to coarse, medium dense, moist, gap graded, Quartzite gravel; brown coarse sand zone with angular dolostone gravel at 29 to 30 feet bgs.						
27									
28									
29									
30	30.0	650.2							
31			SILTY WELL GRADED GRAVEL, GW-GM, 10YR 6/8 (brownish yellow), fine to coarse, loose, moist to wet, gap graded, Residium containing subrounded quartzite pebbles and cherty dolomite fragments						
32									
33									
34									
35									soft zone at 34 to 40

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-31
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.134870, Long. -84.896251</u>
Project Number <u>175569450</u>	Surface Elevation <u>680.20 ft</u> Elevation Datum <u>NAVD88</u>

Lithology			Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation	Description	Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
35		 SILTY WELL GRADED GRAVEL, GW-GM, 10YR 6/8 (brownish yellow), fine to coarse, loose, moist to wet, gap graded, Residuum containing subrounded quartzite pebbles and cherty dolomite fragments (Continued)		RS04E	30.0 - 40.0	6.0	N/A	void 40-50
36								
37								
38								
39								
40	640.2							
41		Void						
42								
43								
44								
45				RS05E	40.0 - 50.0	0.0	N/A	
46								
47								
48								
49								
50	630.2							
51		 WELL GRADED GRAVEL WITH CLAY, GC, 10YR 6/8 (brownish yellow) with 5YR 6/8 (reddish yellow), fine to coarse, very loose to medium dense, wet, well graded						
52								
53								
54	626.2							
55	625.2	 Dolomite, dark gray with light white, finely crystalline to microcrystalline, hard, massive bedded, slightly weathered, Munsell N3; abundant fracture filling, recrystallization; pyrite replacement nodules		RS06E	50.0 - 60.0	4.0	N/A	void 55 to 59
56								
57								
58								
59	621.2	Void						
60		 Dolomite, dark gray with light white, finely crystalline to microcrystalline, hard, thin to massive bedded, Munsell N3; thin bedding at 60 feet bgs; abundant fracture filling, recrystallization; pyrite replacement nodules						
61								
62								
63								
64								
65				RS07E	60.0 - 70.0	7.0	N/A	
66								
67								
68								
69								
70	610.2							

No Refusal /
Bottom of Hole at 70.0 Ft.

Top of Rock = 54.0 Ft.
Top of Rock Elevation = 626.2 Ft.

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RQDGT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/6/2023</u>	Date Completed: <u>5/8/2023</u>
Borehole/Well No: <u>GWC-31</u>	Northing (ft): <u>1504927.6</u>	Easting (ft): <u>2075816.9</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.134870</u>	Longitude: <u>W84.896251</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>680.20</u>	Stickup (ft, ags): <u>2.93</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>70.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>67.2</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>683.13</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>27.75</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Josh Massey</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
—	Stick up <u>2.93 ft, ags</u>	Stick up: <u>2.93</u> ft, ags
—	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>23.4 ft, bgs</u>	Casing Top: <u>2.93</u> ft, ags Bottom: <u>56.8</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>53.9 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	53.9 ft, bgs Filter pack	Screen Top: <u>56.8</u> ft, bgs Bottom: <u>66.8</u> ft, bgs
	Top of Screen <u>56.8 ft, bgs</u>	Sump/end cap Top: <u>66.8</u> ft, bgs Bottom: <u>67.2</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>33</u> gallons
	67.2 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	Terminus of borehole <u>70.0 ft, bgs</u>	Grout Top: <u>0.5</u> ft, bgs Bottom: <u>23.4</u> ft, bgs
		Density Initial: <u>n/a</u> lbs/gal Return: <u>n/a</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>23.4</u> ft, bgs Bottom: <u>53.9</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products GP #1</u>
		Filter Pack: Top: <u>53.9</u> ft, bgs Bottom: <u>70.0</u> ft, bgs
		Notes:
		<u>5 (50 lb) bags Southern Products Silica GP #1 pack</u>
		<u>- Estimated dry filter pack volume ~2.5 ft3</u>
		<u>11 bags (50 lb) Hole Plug bentonite chips, 3/8"</u>
		<u>Backfill below sand pack: n/a</u>
		<u>* Grout mixed to manufacturers recommendations</u>

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-31R
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.134941, Long. -84.896243</u>
Project Number <u>175569450</u>	Surface Elevation <u>680.18 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>4/25/23</u> Completed <u>5/3/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>27.3 ft</u> Date/Time <u>5/1/23 15:15</u>
Inspector <u>G. Robertson</u> Logger <u>G. Robertson</u>	Depth to Water <u>23.2 ft</u> Date/Time <u>5/15/23 15:15</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Prosonic SR120</u> Driller <u>M. Herron</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Massey</u> Approved By <u>C. Sutherland</u>	

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	680.2	Top of Hole						
1			SILTY LEAN CLAY LITTLE SAND, CL, 10R 3/4 (dusky red), low plasticity, firm, moist						
2									
3	3.0	677.2							
4			SILTY LEAN CLAY LITTLE SAND, CL, 10R 4/6 (red), low plasticity, firm, moist	RS01E		0.0 - 7.0	7.0	N/A	
5									
6									
7									
8									
9									
10									
11									
12				RS02E		7.0 - 17.0	10.0	N/A	
13	13.0	667.2							
14			SILTY POORLY GRADED SAND WITH CLAY, SM, 10R 4/6 (red), fine, medium dense, moist, no staining						
15									
16									
17									
18	18.0	662.2							
19			SANDY WELL GRADED GRAVEL WITH SILT WITH CLAY, GM, 10R 4/6 (red), very fine to coarse, loose, moist						
20	20.0	660.2							

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-31R**
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology		Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation		Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
20		SILTY POORLY GRADED SAND WITH CLAY TRACE GRAVEL, SM, 5YR 5/6 (yellowish red), fine, medium dense, moist, 30 to 38' no recovery, soft drilling, possibly gravelly, silty sand.						
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								30 - 38 no recovery, soft zone immedietly above top of bedrock. Possibly gravelly, silty, sand, wet.
31								
32								
33								
34								
35								
36								
37								
38	642.2							
39		Dolomite, hard, No Recovery - based on drilling, believed to be hard, dolomite, wet.						
40	640.2							
41		Void						
42								
43								
44								
45								

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. GWC-31R
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
45			Void (Continued)						
46									
47	47.0	633.2							
48	48.5	631.7	Dolomite, light gray, microcrystalline, hard, massive bedded, slightly weathered, wet, Calcite vein fillings, fractured. Munsell color N7.	RS06E		47.0 - 50.0	3.0	N/A	
49			Dolomite, light gray, microcrystalline, hard, massive bedded, moderately weathered, wet, With clay filled voids. Soft reddish brown clay 2.5 YR 5/4, little silt, wet, high plasticity. Munsell color N8.						
50	50.0	630.2							
51			Dolomite, gray, microcrystalline, very hard, massive bedded, slightly weathered, wet, Calcite vein fillings. Munsell color N7.						
52									
53									
54									
55				RS07E		50.0 - 58.0	2.6	N/A	
56									
57									
58	58.0	622.2							
59			Dolomite, light gray and dark gray, microcrystalline, thin bedded, iron oxide staining, inclined, Appears brecciated; occasional small (1/8" diameter) vugs, some filled with dolomite. Munsell color N3.						
60									
61									
62									
63				RS08E		58.0 - 67.0	2.5	N/A	
64									
65									
66									
67									
68	68.0	612.2							
69			Void						
70									

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-31R
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.134941, Long. -84.896243 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 680.18 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
70			Void <i>(Continued)</i>							
71										
72						RS09E	67.0 - 77.0	0.0	N/A	
73										
74										
75										
76										
77	77.0	603.2	Dolomite, light gray, microcrystalline, hard, thin bedded to medium bedded, slightly weathered, wet, Some calcite veins approximately 1/16" to 1/2" thick. Iron oxide staining along fractures 94' to 96' bgs. Munsell color N7.							
78										
79										
80										
81										
82						RS10E	77.0 - 87.0	4.0	N/A	
83										
84										
85										
86										
87										
88										
89										
90										
91										
92					RS11E	87.0 - 97.0	5.0	N/A		
93										
94										
95										

STANTEC 1755 STD 175569450 BORING LOGS (1)IGPJ BC 1755 STD DATAT R0.GDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-31R**
 Boring Location Lat. 34.134941, Long. -84.896243
 Surface Elevation 680.18 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
95			Dolomite, light gray, microcrystalline, hard, thin bedded, moderately weathered, wet, iron oxide staining, Rounded quartzite and subrounded agate/chert pebbles. Munsell color N7							
96										
97	97.0	583.2								
98										
99										
100										
101										
102					RS12E		97.0 - 107.0	3.0	N/A	
103	103.0	577.2								
104				Void						
105										
106	106.0	574.2								
107	107.0	573.2	Dolomite, light gray, microcrystalline, hard, thin, moderately weathered, wet, iron oxide staining, Munsell color N7							

No Refusal /
Bottom of Hole at 107.0 Ft.

Top of Rock = 38.0 Ft.
Top of Rock Elevation = 642.2 Ft.

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>4/25/23</u>	Date Completed: <u>5/4/23</u>
Borehole/Well No: <u>GWC-31R</u>	Northing (ft): <u>1504953.4</u>	Easting (ft): <u>2075819.5</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.134941</u>	Longitude: <u>W84.896243</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>680.18</u>	Stickup (ft, ags): <u>2.91</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6.25</u>	Borehole Depth (ft, bgs): <u>107.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>106.5</u>
Drilling Equipment/Rig Type: <u>LS600</u>	Top of Casing elev (ft): <u>683.09</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>27.31</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>G. Robertson</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
— — —	<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>Stick up <u>2.91 ft, ags</u></p> <p>Ground surface - 0.0'</p> </div> <div style="width: 35%; text-align: center;"> </div> <div style="width: 35%;"> <p>1/2 inch Diameter Protective Cover with Locking Lid</p> <p>Outer casing</p> </div> </div>	<p>Stick up: <u>2.91</u> ft, ags</p>
	Grout <u>24.0 ft, bgs</u>	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Bentonite <u>90.0 ft, bgs</u>	Casing Top: <u>2.91</u> ft, ags Bottom: <u>96.0</u> ft, bgs
	Top of Screen <u>96.0 ft, bgs</u>	Screen Type: <u>U-pack</u>
	Bottom of screen <u>106.0 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Top of backfill below filter pack (see notes) <u>106.0 ft, bgs</u>	Screen Top: <u>96.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
	Terminus of borehole <u>107.0 ft, bgs</u>	Sump/end cap Top: <u>106.0</u> ft, bgs Bottom: <u>106.5</u> ft, bgs
	106.5 ft, bgs Sump/end cap	Grout Quantity: <u>75 gallons</u>
	107.0 ft, bgs Base of filter pack	Grout Type: <u>Aquaguard</u>
		Grout Top: <u>2.0</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
		Density Initial: <u>n/a*</u> lbs/gal Return: <u>n/a*</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>24.0</u> ft, bgs Bottom: <u>90.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>90.0</u> ft, bgs Bottom: <u>106.0</u> ft, bgs
		Notes: 20 (50 lb) bags Southern Products Silica GP #1 pack - Estimated dry filter pack volume - 2.5 ft ³ One 50 lb bucket Pel Plug 3/8" coated bentonite pellets 24 bags (50 lb) Hole Plug bentonite chips, 3/8" Backfill below sand pack: n/a * Grout mixed to manufacturers recommendations

Client Borehole ID <u>N/A</u>	Stantec Boring No. GWC-32
Client <u>Georgia Power Company</u>	Boring Location <u>Lat. 34.133989, Long. -84.896452</u>
Project Number <u>175569450</u>	Surface Elevation <u>688.93 ft</u> Elevation Datum <u>NAVD88</u>
Project Name <u>Plant Bowen Landfill Expansion</u>	Date Started <u>5/7/23</u> Completed <u>5/8/23</u>
Project Location <u>Bartow Co, Euharlee, Georgia</u>	Depth to Water <u>36.1 ft</u> Date/Time <u>5/9/23 13:06</u>
Inspector <u>J. Massey</u> Logger <u>J. Massey</u>	Depth to Water <u>N/A</u> Date/Time <u>N/A</u>
Drilling Contractor <u>Cascade (Subcontractor)</u>	Drill Rig <u>Terrasonic Compact Crawler</u> Driller <u>B. Griffis</u>
Overburden Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Rock Drilling and Sampling Tools (Type and Size) <u>4" X 6" Rotary Sonic</u>	
Sampler Hammer Type <u>N/A</u> Weight <u>N/A</u> Drop <u>N/A</u> Efficiency <u>N/A</u>	
Reviewed By <u>J. Myer</u>	Approved By <u>C. Sutherland</u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
0	0.0	688.9	Top of Hole						
1	1.0	687.9	Topsoil						
2			LEAN CLAY, CL, 10R 3/4 (dusky red), low to medium plasticity, firm, dry						
5				RS01E		0.0 - 10.0	4.0	N/A	
8	8.0	680.9	GRAVELLY LEAN CLAY, CL, 2.5YR 4/4 (reddish brown) with 10YR 7/8 (yellow), low plasticity, firm, dry to moist, Basal quartzite, subrounded gravel						
12	12.0	676.9	GRAVELLY LEAN CLAY WITH SAND, SC, 2.5YR 4/4 (reddish brown) to 10YR 7/8 (yellow), very fine to coarse, medium dense, dry to moist, iron oxide staining, Lensed, gap graded, Abundant black heavy mineral replacement nodules						
14	14.0	674.9		RS02E		10.0 - 20.0	9.5	N/A	
15			SILTY WELL GRADED GRAVEL WITH CLAY, GM, 10YR 6/8 (brownish yellow) to 5YR 5/8 (yellowish red), very fine to coarse, medium dense to dense, moist, iron oxide staining, Lensed, well graded, Quartzite and chert gravel						
16									
17									
18									
19									
20									

STANTEC 1755 STD BORING LOGS (1)IGPJ BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID N/A
 Client Georgia Power Company
 Project Number 175569450

 Stantec Boring No. **GWC-32**
 Boring Location Lat. 34.133989, Long. -84.896452
 Surface Elevation 688.93 ft Elevation Datum NAVD88

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %	
20			SILTY WELL GRADED GRAVEL WITH CLAY, GM, 10YR 6/8 (brownish yellow) to 5YR 5/8 (yellowish red), very fine to coarse, medium dense to dense, moist, iron oxide staining, Lensed, well graded, Quartzite and chert gravel <i>(Continued)</i>						
21									
22									
23									
24	664.9		SILTY FAT CLAY SOME GRAVEL, CH, 2.5Y 7/4 (pale brown) with 2.5Y 7/1 (light gray), medium to high plasticity, firm to hard, moist, Blocky, Weathered cherty dolomite, mottled						
25									
26									
27	661.9		CLAYEY SILTY SAND LITTLE GRAVEL, SM, 10YR 3/6 (dark yellowish brown) to 2.5Y 8/3 (pale brown), fine to medium, medium dense, moist, iron oxide staining, Lensed, moderately graded, Sand to clay interbedding, mottled						
28									
29									
30	658.9		SILTY FAT CLAY WITH SAND, CH, 10YR 6/8 (brownish yellow) with 2.5Y 7/4 (pale brown), medium plasticity, hard, iron oxide staining, Lensed, Pale tan mottling, interbedded fine sand from weathered dolomite, subangular cherty dolomite gravel						
31									
32									
33	655.9		SANDY WELL GRADED GRAVEL WITH CLAY WITH SILT, GW-GM, 10YR 4/6 (dark yellowish brown) with 5Y 6/1 (gray), very fine to coarse, loose, moist, iron oxide staining, Lensed, weak cementation, gap graded, Residuum transitioning to partially weathered top of rock contact						
34	654.9								
35									
36			Dolomite (90%) With Quartzite (10%) Dolomite, dark gray with pale white, finely crystalline to very finely crystalline, hard, massive bedded, slightly weathered to moderately weathered, iron oxide staining, Quartzite gravel at 34 to 35 feet bgs						
37									
38									
39									
40									
41									
42	646.9		Void						iron staining, possible fracture zone
43									
44									
45	643.9								void

STANTEC 1755 STD BORING LOGS (1)GPI BC 1755 STD DATAT RUGDT 7/24/23

Client Borehole ID <u> N/A </u>	Stantec Boring No. GWC-32
Client <u> Georgia Power Company </u>	Boring Location <u> Lat. 34.133989, Long. -84.896452 </u>
Project Number <u> 175569450 </u>	Surface Elevation <u> 688.93 ft </u> Elevation Datum <u> NAVD88 </u>

Lithology			Description	Overburden:	Sample	Depth Ft	Rec. Ft	Blows/PSI	Remarks	
Depth Ft ²	Elevation			Rock Core:	RQD %	Run Ft	Rec. Ft	Rec. %		
45			Dolomite, dark gray to light gray, finely crystalline to very finely crystalline, hard, massive bedded to thin bedded, iron oxide staining, Calcite and dolomite fracture fill, veins, some thin beds		RS06E	40.0 - 50.0	5.0	N/A		
46										
47										
48										
49										
50										
51										
52										
53										
54										
55					RS07E	50.0 - 60.0	8.0	N/A		
56										
57									healed fractures with iron staining	
58										
59										
60	60.0	628.9								

No Refusal /
Bottom of Hole at 60.0 Ft.

Top of Rock = 34.0 Ft.
Top of Rock Elevation = 654.9 Ft.

STANTEC 1755 STD 175569450 BORING LOGS (1)GPI BC 1755 STD DATAT R0.GDT 7/24/23

Well Installation Field Log



Project Name: <u>Plant Bowen Well Installation</u>	Date Started: <u>5/7/2023</u>	Date Completed: <u>5/9/2023</u>
Borehole/Well No: <u>GWC-32</u>	Northing (ft): <u>1504607.5</u>	Easting (ft): <u>2075753.7</u>
Plant Name: <u>Plant Bowen</u>	Latitude: <u>N34.133989</u>	Longitude: <u>W84.896452</u>
Plant Address: <u>317 Covered Bridge Rd, Euharlee, GA 30120</u>	Location Datum: <u>NAD83</u>	Elevation Datum: <u>NAD83</u>
Project & Task Number: <u>175569450</u> <u>1.2</u>	Surface/ Ground Elevation: <u>688.93</u>	Stickup (ft, ags): <u>3.25</u>
Goals/Task: <u>Landfill Expansion</u>	Borehole Diameter (in): <u>6</u>	Borehole Depth (ft, bgs): <u>60.0</u>
Drilling Company: <u>Cascade Drilling</u>	Well Casing Diameter (in): <u>2</u>	Well Depth (ft, bgs): <u>59.0</u>
Drilling Equipment/Rig Type: <u>TSI 150CC</u>	Top of Casing elev (ft): <u>692.18</u>	Screen length (ft): <u>10.0</u>
Drilling Method: <u>4"x 6" Rotary Sonic</u>	DTW at Completion (ft, bgs): <u>36.05</u>	
Sampling Method: <u>4 inch Core Barrel</u>		
Prepared By: <u>Josh Massey</u>		
Review By: <u>Cassidy Sutherland</u>		

*Not to Scale

Depth (feet)	Well Construction	Materials Inventory
—	Stick up <u>3.25 ft, ags</u>	Stick up: <u>3.25</u> ft, ags
—	Ground surface - 0.0'	
	Inch Diameter Protective Cover with Locking Lid	
	Outer casing	Casing Type (steel or PVC, schedule 40 or 80): <u>Schedule 40 PVC</u>
	Grout <u>24.0 ft, bgs</u>	Casing Top: <u>3.25</u> ft, ags Bottom: <u>56.8</u> ft, bgs
	2 inch casing	Screen Type: <u>U-pack</u>
	Bentonite <u>46.6 ft, bgs</u>	Screen Slot Size: <u>0.010"</u>
	Filter pack	Screen Top: <u>48.6</u> ft, bgs Bottom: <u>58.6</u> ft, bgs
	Top of Screen <u>48.6 ft, bgs</u>	Sump/end cap Top: <u>58.6</u> ft, bgs Bottom: <u>59.0</u> ft, bgs
	0.010" Slot screen	Grout Quantity: <u>40</u> gallons
	59.0 ft, bgs Sump/end cap	Grout Type: <u>Aquaguard</u>
	Terminus of borehole <u>60.0 ft, bgs</u>	Grout Top: <u>0.0</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
		Density Initial: <u>n/a</u> lbs/gal Return: <u>n/a</u> lbs/gal
		Bentonite Type: <u>Pellets and Holeplug</u>
		Bentonite Seal Top: <u>46.6</u> ft, bgs Bottom: <u>24.0</u> ft, bgs
		Filter Pack - Pre-pack and Annular Space Type (manufacturer, size): <u>Southern Products Silica GP #1 pack</u>
		Filter Pack: Top: <u>46.6</u> ft, bgs Bottom: <u>60.0</u> ft, bgs
		Notes:
		<u>4 (50 lb) bags Southern Products Silica GP #1 pack</u>
		<u>- Estimated dry filter pack volume ~2.0 ft³</u>
		<u>8 bags (50 lb) Hole Plug bentonite chips, 3/8"</u>
		<u>Backfill below sand pack: n/a</u>
		<u>* Grout mixed to manufacturers recommendations</u>

APPENDIX C
BOREHOLE GEOPHYSICS REPORT



June 1, 2023

Brian Steele, P.G.
Stantec
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009

RE: Geophysical Letter Report | Project #230155
Geophysical Borehole Logging, Plant Bowen, Bartow County, Georgia

Collier Geophysics performed geophysical borehole logging services in four borings located at Plant Bowen, in Bartow County, Georgia. The field investigation was performed during four separate mobilizations between May 2, 2023 and May 20, 2023. This investigation was conducted to aid Stantec in evaluating bedrock conditions. The geophysical logs consisted of a combination of acoustic televiewer, optical televiewer, caliper, fluid conductivity, fluid temperature, natural gamma, single point resistance (SPR), spontaneous potential (SP), and normal resistivity. The survey was led by Collier Geophysicist Eric Armstrong. The following report presents results from the geophysical investigation and summarizes the site conditions, field methods, data acquisition, and interpretation procedures.

The logging data was analyzed to determine the location and orientation of fractures. In addition to these data sets, synthetic caliper logs were calculated from the acoustic televiewer travel time data to aid in the interpretation. Dip and azimuth (dip direction) were calculated for each detected fracture based on the televiewer datasets.

Boring Descriptions

A summary of the four logged boreholes is presented in the table below. All depths are referenced from ground surface.

Borehole ID:	GWC-27R	GWC-29R	GWC-31R	GWA-34R
Appr. Casing Diameter:	5.5 in	6.0 in	6.0 in	5.5 in
Casing Material:	Steel	Steel	Steel	Steel
Appr. Open Hole Diameter:	6.2 in	4.9 in	8.3 in	9.4 in
Open Hole Section:	49.2-88.6 ft	97.1-105.0 ft	75.9-90.4 ft	86.8-92.0 ft

Equipment and Methodology

Acoustic Televiewer

Acoustic televiewer (ATV) logging produces a high resolution, magnetically oriented digital image of the borehole wall to map the location and orientation of intersecting fractures, foliations, and lithologic contacts. The Acoustic televiewer tool emits a rotating, narrow, acoustic beam that is reflected off the borehole wall. The travel time and amplitude of the reflected wave are recorded by the tool and used to create borehole images. Both datasets are useful for identifying the location and orientation of fractures. The amplitude of the reflected signal will decrease at the

location of fractures and the travel time will increase. The travel time data can also be used for developing a high resolution caliper log for a more comprehensive analysis of fractures. Acoustic televiewers can only be used in fluid filled boreholes. However, the fluid does not have to be optically clear for the method to work.

When operating the ATV, a “time window” is set based on the borehole diameter. The time window is the time interval in which the ATV instrument searches for an echo from the borehole wall. For smaller increases in borehole diameter around fractures and sections of weaker rock, the ATV typically records an accurate borehole diameter (correlates well with three-arm caliper data). However, if borehole openings are much larger than the borehole diameter, the echo from the borehole wall may fall outside the time window, or be too weak to be detected. In these situations, borehole diameters recorded with ATV may be inaccurate. Since ATV only records the reflection from the borehole wall, the data cannot be used to determine how far a fracture extends from the borehole. The acoustic televiewer has a vertical resolution of 2 millimeters.

Optical Televiewer

Optical televiewer (OTV) logging is used to record and digitize a 360-degree color image of the borehole wall. Planar features such as fractures, foliation, and lithologic contacts can be identified directly on the images. The tool is magnetically oriented in order to determine the strike and dip of features. OTV has a vertical resolution of 2mm. As a result, it is able to see features other tools may not resolve. Optical images can be collected above or below the water surface, provided the water is sufficiently clear for viewing the borehole wall.

3-Arm Caliper

Caliper logging is used to generate a profile of the borehole diameter with depth. The tool measures the borehole diameter using three spring-loaded arms. Narrow enlargements in the borehole diameter can, in most cases, be attributed to fractures. Caliper logging can be conducted above and below the water surface.

Natural Gamma

Natural gamma tools measure the gamma radiation from the formation. These logs can be used to discriminate between different formations by utilizing variations in the concentration of naturally occurring radioactive isotopes such as potassium, uranium and thorium. These logs are particularly popular for correlating logs and locating clay and shale formations since radioactive elements tend to concentrate in these materials. Natural gamma logging can be conducted in cased and uncased boreholes, water-filled and dry.

Fluid Temperature

Fluid temperature logging is used to identify where water enters or exits the borehole. In the absence of fluid flow, a gradual increase on water temperature of approximately 1°F per 100 feet of depth is expected. Rapid changes in the fluid temperature indicate water-producing or water-receiving zones. Little or no temperature gradient indicates intervals of vertical flow.

Fluid Conductivity

Fluid conductivity logging is used to measure the electrical conductivity of the fluid in the borehole. Variations in fluid conductivity can be contributed to concentration variations of dissolved solids.

These differences can occur when sources of water have contrasting chemistry and have come from different transmissive zones. Fluid temperature and conductivity are measured concurrently using the same logging tool.

Single Point Resistance (SPR)

Single point resistance logging involves passing an alternate current between a surface electrode and a probe electrode and measuring the voltage difference created by the current. SPR is then calculated using Ohm's law. SPR is the sum of cable resistance, and the resistance based on the composition of the medium, the cross-sectional area and length of the path through the medium. Therefore, the single point resistance log does not provide quantitative data. In general, SPR increases with increasing grain size and decreases with increasing borehole diameter, fracture density, and the concentration of dissolved solids in the water. Single-point resistance logs are useful in the determination of lithology, water quality, and location of fracture zones.

Spontaneous Potential (SP)

SP logging is conducted to measure naturally occurring voltage differences along a borehole. The method has been found useful for delineating sandstone/shale layering and other boundaries between permeable and impermeable beds. The measurements are made with reference to an electrode at ground level. Therefore, SP logging does not provide quantitative data.

Normal Resistivity

Resistivity logging is used to characterize the rock or sediment in a borehole by measuring its electrical resistivity. Resistivity is a fundamental material property which represents how strongly a material opposes the flow of electric current. The normal resistivity probe measures the formation resistivity with two different electrode spacings (16 inches and 64 inches). These two readings are referred to as short and long resistivity, since the volume of investigation of the normal resistivity log increases with increasing electrode spacing. The log must run in holes containing electrically conductive mud or water.

Field Methodology

Collier Geophysics used a Robertson Geo logging system to collect all geophysical borehole data. Data was collected within the entire open section of the borehole where practical. All data was QC'd at the end of each day prior to demobilizing.

Results and Discussion

The logs were analyzed for fractures and other features using WellCAD software, manufactured by Advanced Logic Technology. The travel time data from the acoustic televiewer log was used to develop a maximum caliper log. Fractures were interpreted through a complete data analysis of all logs. Dip and azimuth (dip direction) were calculated for each detected fracture. The fracture data was corrected from apparent to true dip and azimuth using deviation logs included with the televiewer dataset, and from magnetic north to true north by rotating the fracture azimuths 5.2° counter-clockwise. Magnetic north is 5.2° west of true north at the site (according to National Oceanic and Atmospheric Administration). The reported azimuth is measured clockwise from true north. The televiewer centralizers had to be reduced for boring GWC-31R due to some unknown obstacles. This resulted in poor centralization and poor televiewer data quality. The open hole

section for GWA-34R was too short for the televiewers to establish orientation due to magnetic field distortion by the steel casing. As a result, only the fracture dip could be measured for this boring. A fracture summary table including fracture attributes is provided in Appendix 1. Schmidt stereonet (lower hemisphere) with fracture characteristics and fracture rose diagrams are presented on Appendix 2. All logs are presented on Appendix 3. All depth measurements are referenced from ground surface.

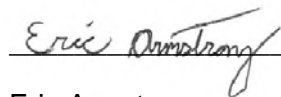
Closure

Geophysical borehole logging, like any non-intrusive investigation methods, requires the subjective interpretation of indirect measurements. As such, there is an inherent margin of error, which is unavoidable. Our methods of data acquisition and interpretation for this project are complete as is reasonably possible, and have been successfully applied by Collier geophysicists to investigations of similar size and nature. We believe the results presented herein to be a reasonable representation of the subsurface conditions. However, due to the subjective nature of any type of interpretation, we cannot guarantee that our results are accurate in all areas. In addition, all subsurface features present at the site may not have been detected or identified.

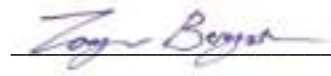
If you have any questions regarding the field procedures, data analyses, or the interpretive results presented herein, please do not hesitate to contact us. We appreciate working with you and look forward to providing Stantec with geophysical services in the future.

Respectfully Submitted,

Collier Geophysics, LLC

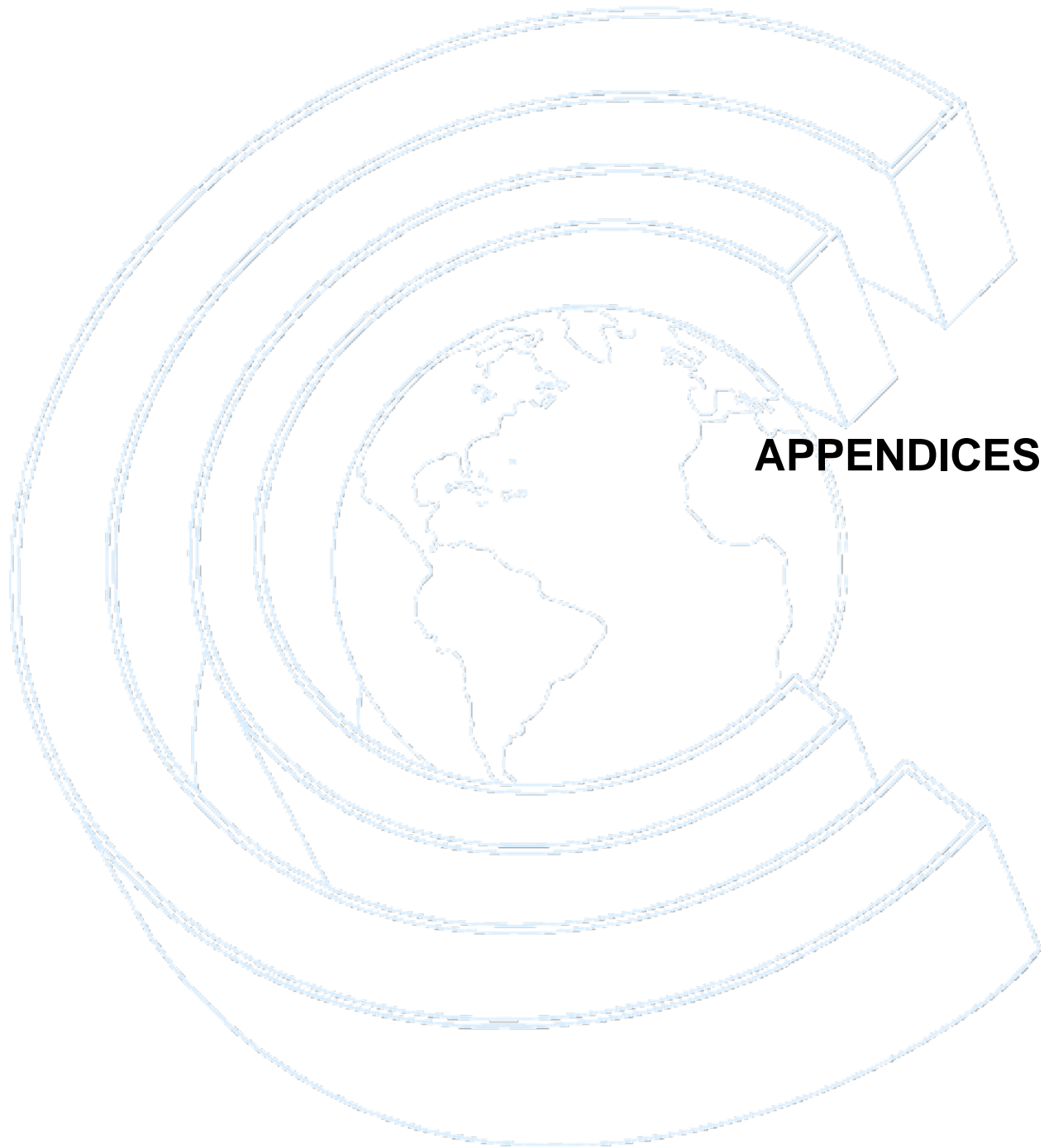


Eric Armstrong
Geophysicist

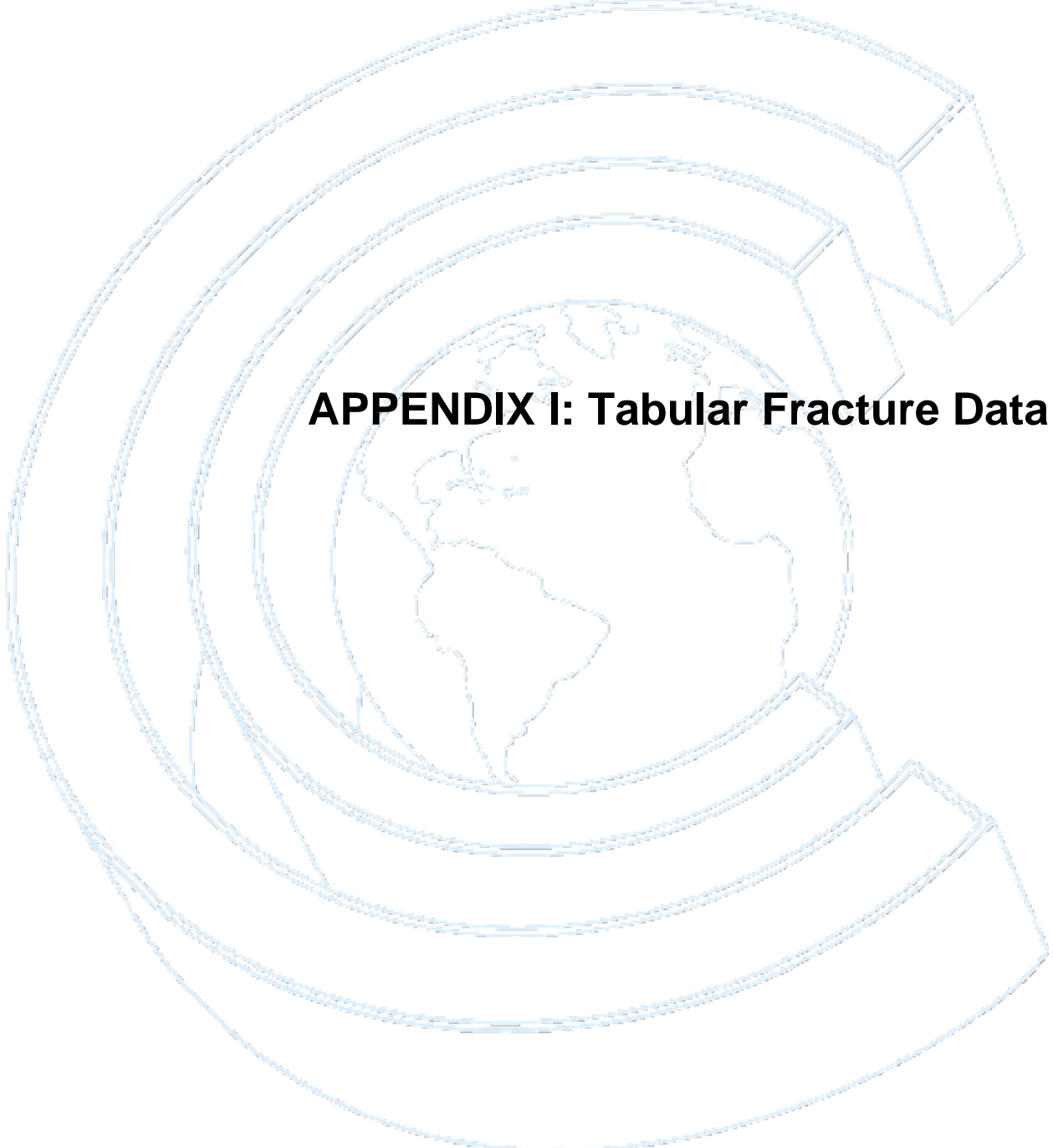


Jorgen Bergstrom, P.G., P.Gp.
Senior Geophysicist

(1 copy e-mailed PDF format)



APPENDICES



APPENDIX I: Tabular Fracture Data

Borehole ID: GWC-27R

Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
54.6	142	43	1
58.4	265	69	1
62.8	12	4	1
66.0	126	82	1
66.1	333	63	1
66.5	350	3	8
66.8	352	7	2
67.0	80	83	1
67.1	335	6	7
67.8	98	0	19
69.1	170	2	3
69.5	4	3	26
69.8	324	2	4
70.7	5	1	2
71.4	176	26	1
71.6	340	49	1
71.7	57	9	10
71.9	151	70	3
72.5	339	1	2
72.6	330	14	4
72.7	150	40	4
75.0	98	44	7
81.5	21	83	3
84.6	355	5	3
84.6	175	80	1
84.9	355	11	6
85.2	10	8	1
85.8	160	9	1
86.0	359	9	1
86.1	357	12	1
86.5	352	1	1
86.5	298	7	1
87.1	340	7	2
87.8	354	82	2

Borehole ID: GWC-29R

Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
97.4	60	19	7
97.6	80	19	3
98.5	106	18	1
100.5	296	62	1
101.2	285	74	1
101.3	344	6	2
101.5	352	6	6
101.7	10	77	1
103.4	107	16	1

Borehole ID: GWC-31R

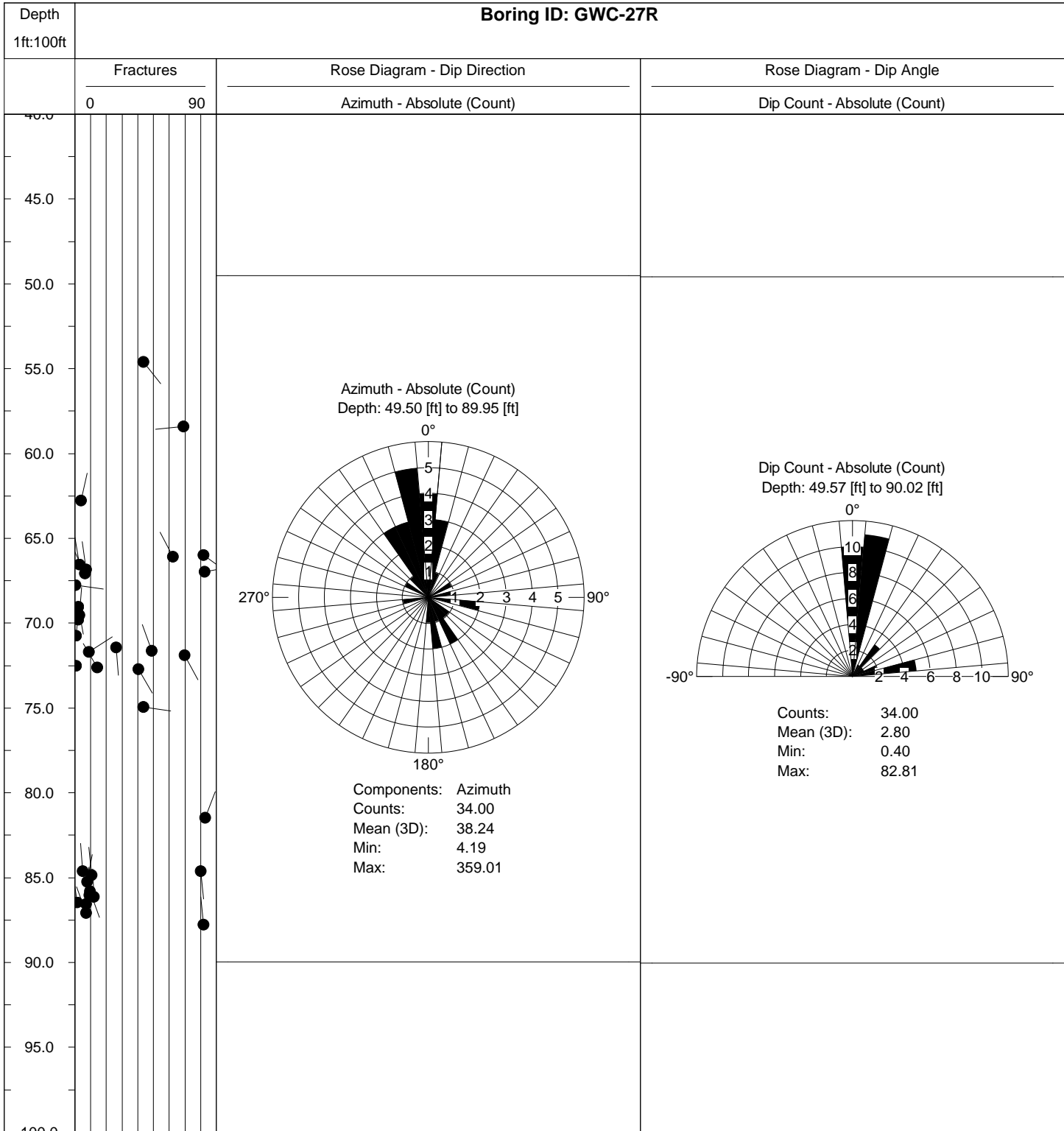
Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
80.0	234	22	1
80.4	30	54	7
81.2	2	2	3
81.8	344	76	2
83.7	341	3	11
84.8	359	3	15
86.1	177	1	1
86.4	206	1	1
86.5	183	2	1
87.2	85	7	5
88.0	124	53	1
88.1	187	2	6
88.3	3	2	1
88.7	183	7	1
89.0	173	28	1

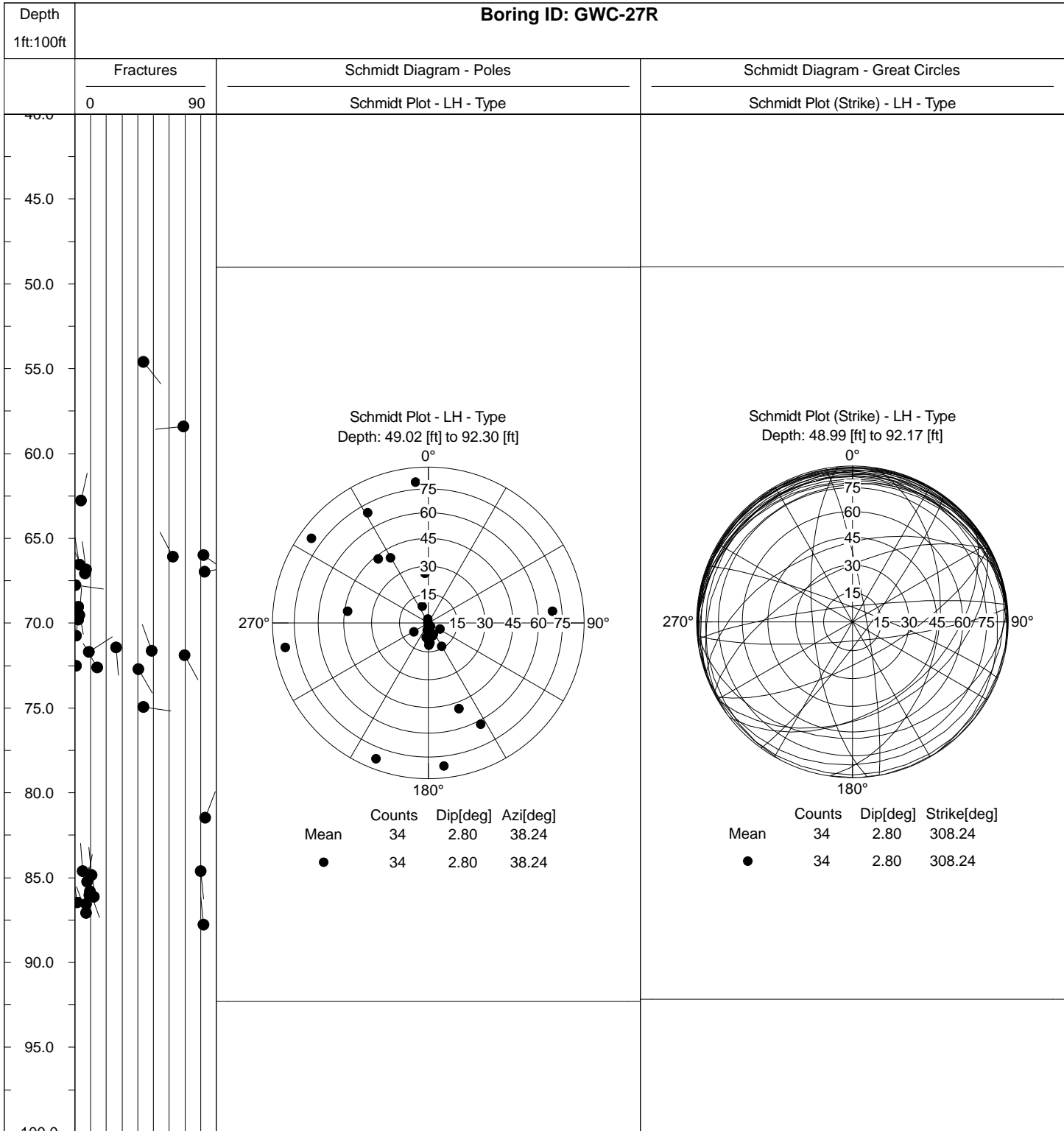
Borehole ID: GWC-34R

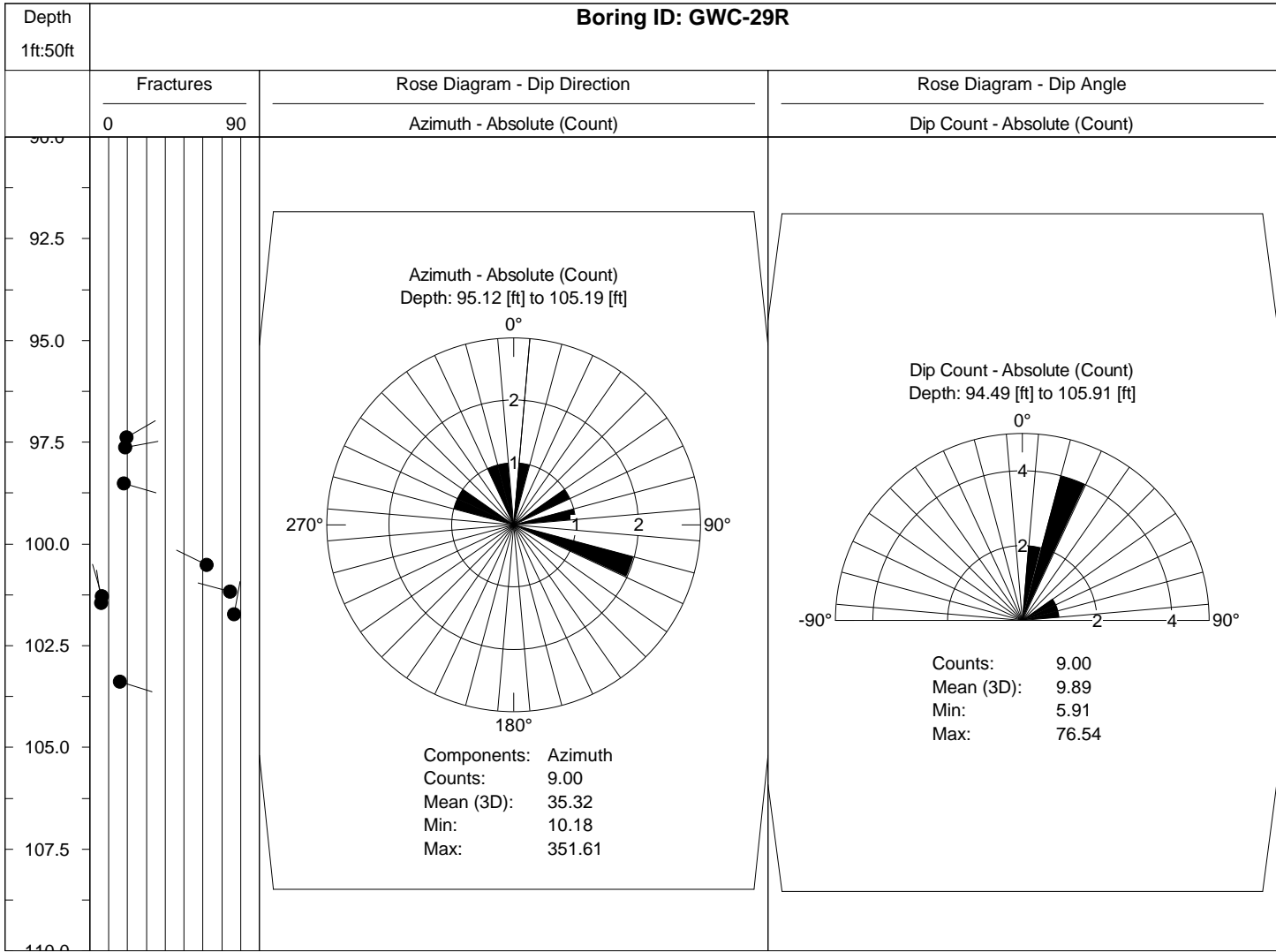
Depth (ft)	Azimuth (degrees)	Dip (degrees)	Aperture (mm)
87.0	N/A	1	7
87.4	N/A	5	6
88.7	N/A	64	3

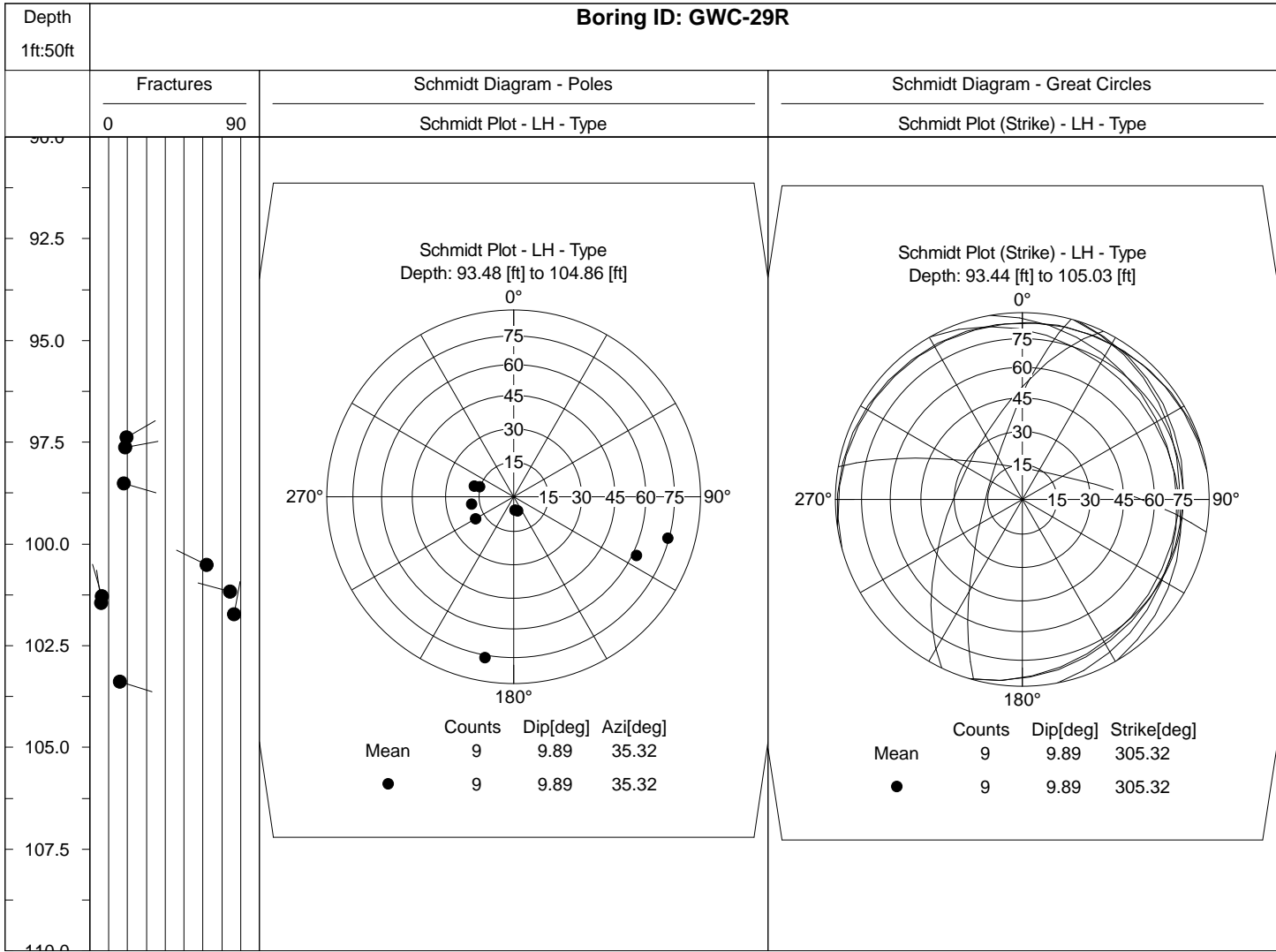


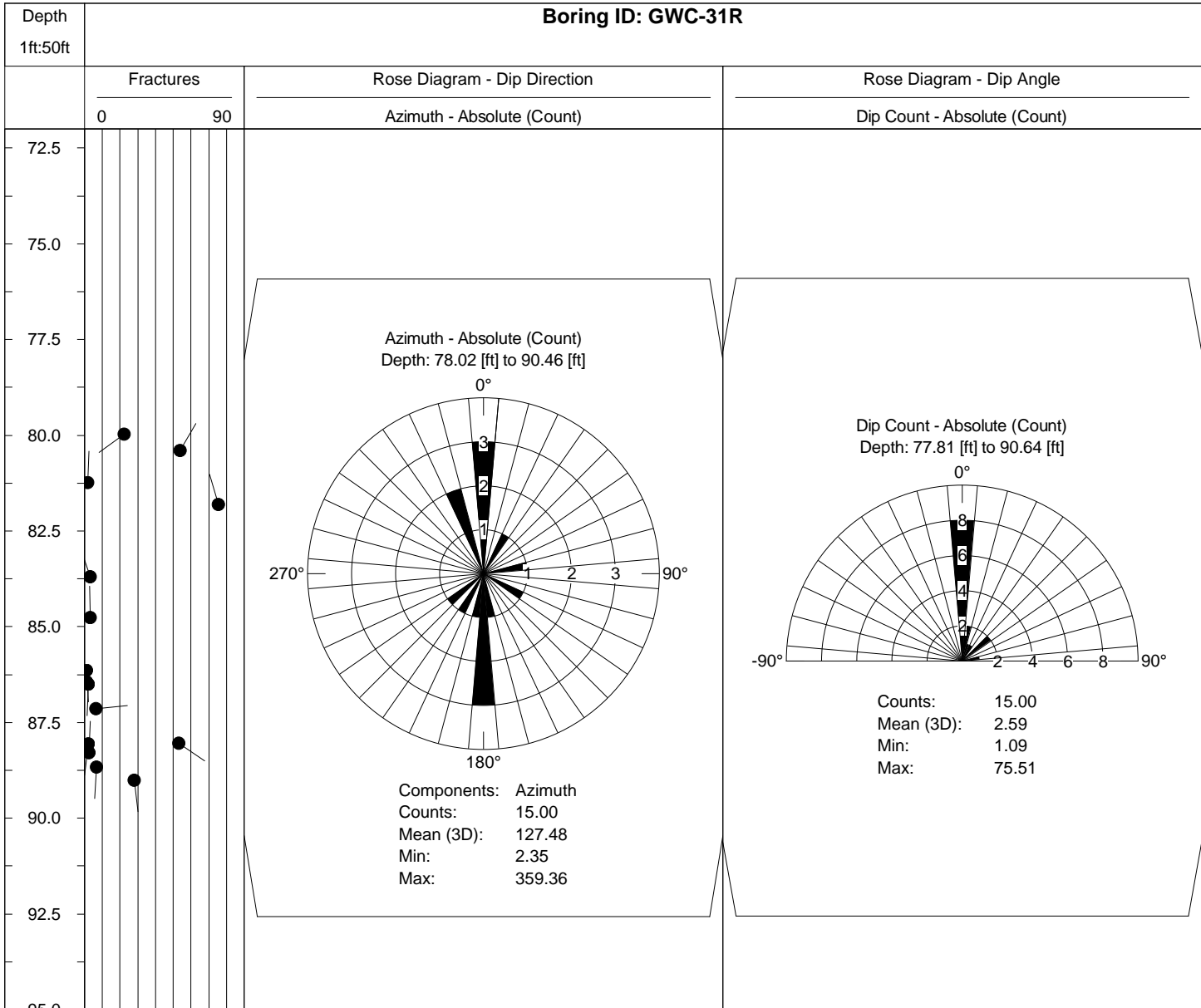
APPENDIX II: Rose Diagrams and Schmidt Plots

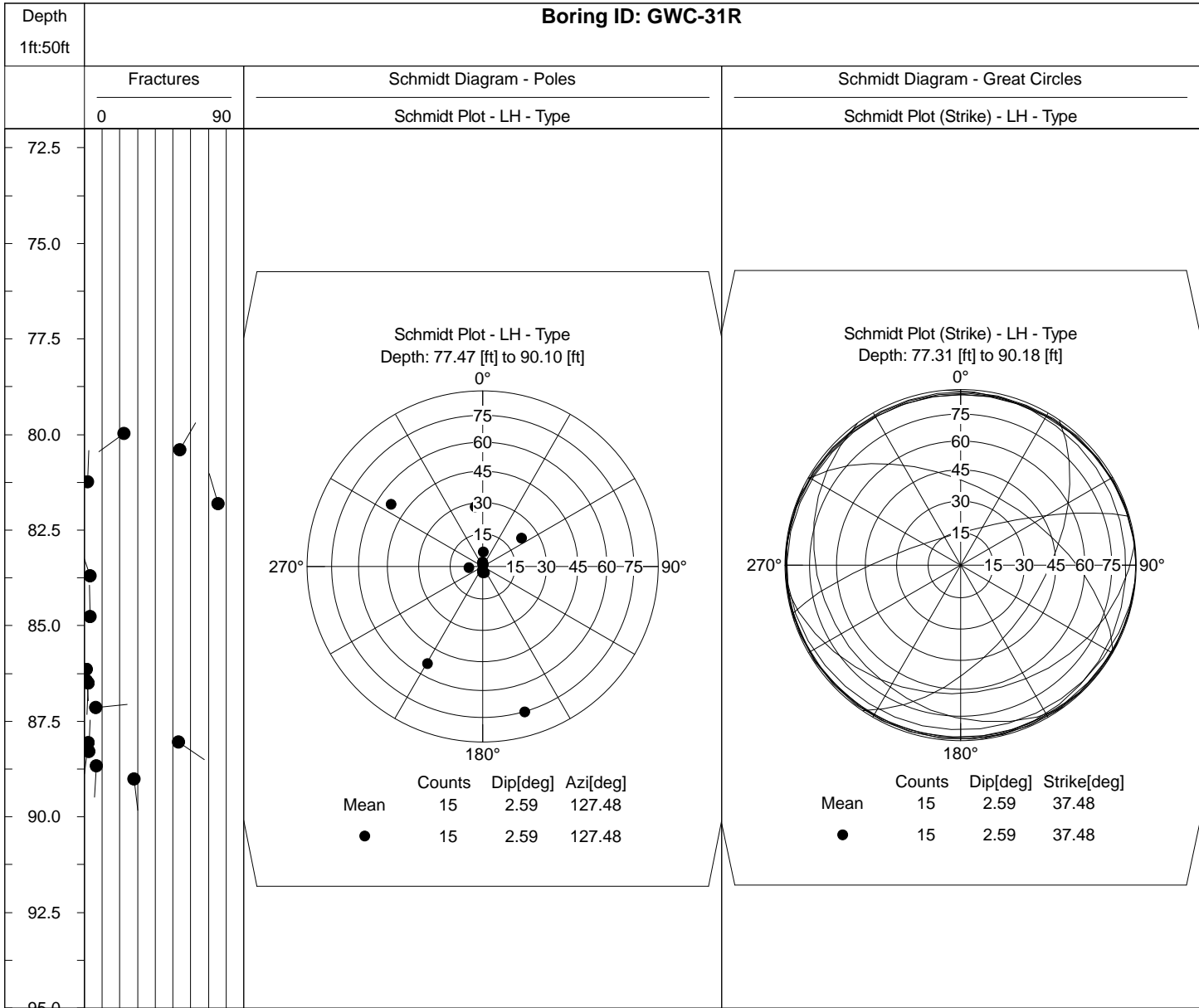


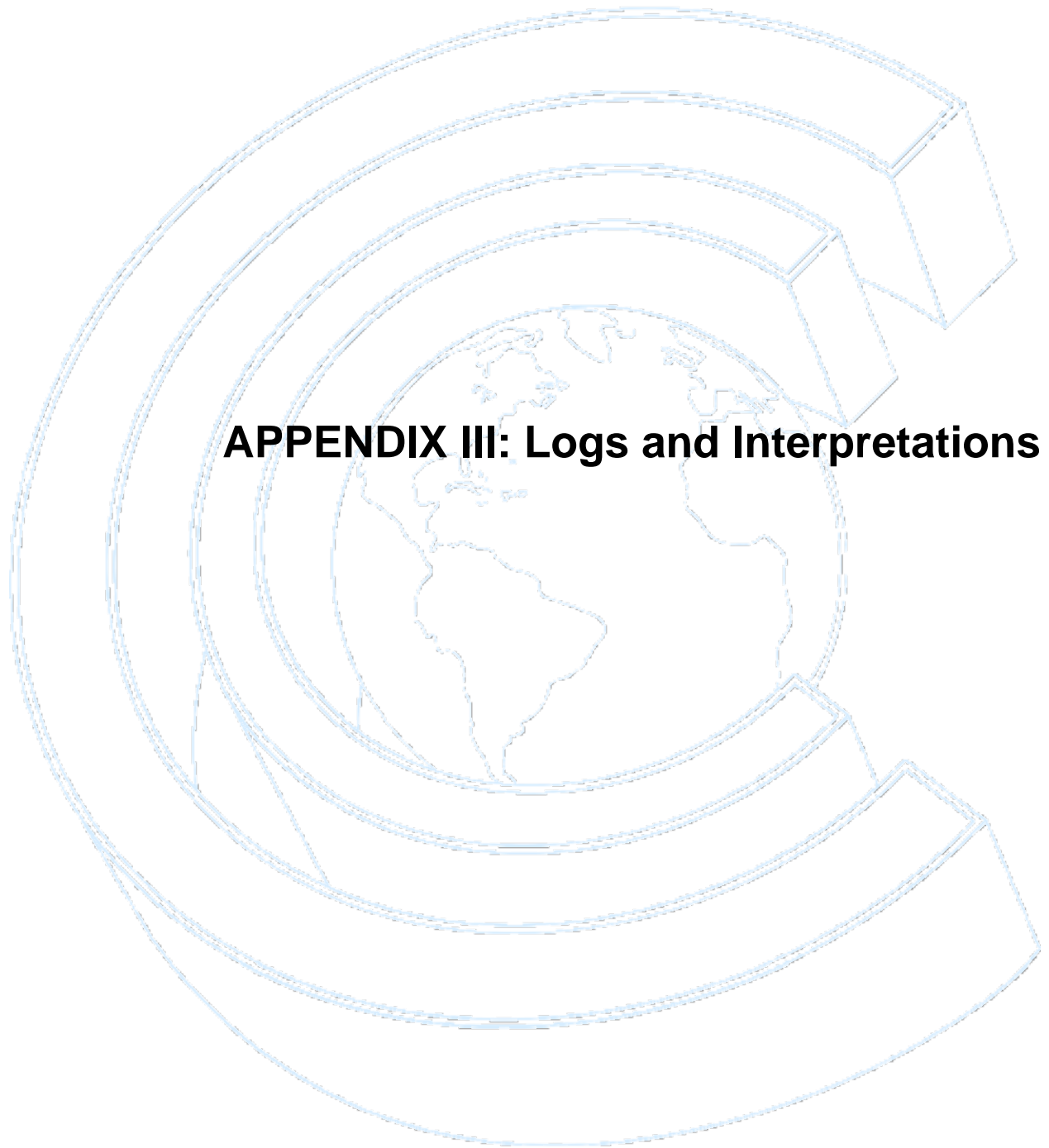




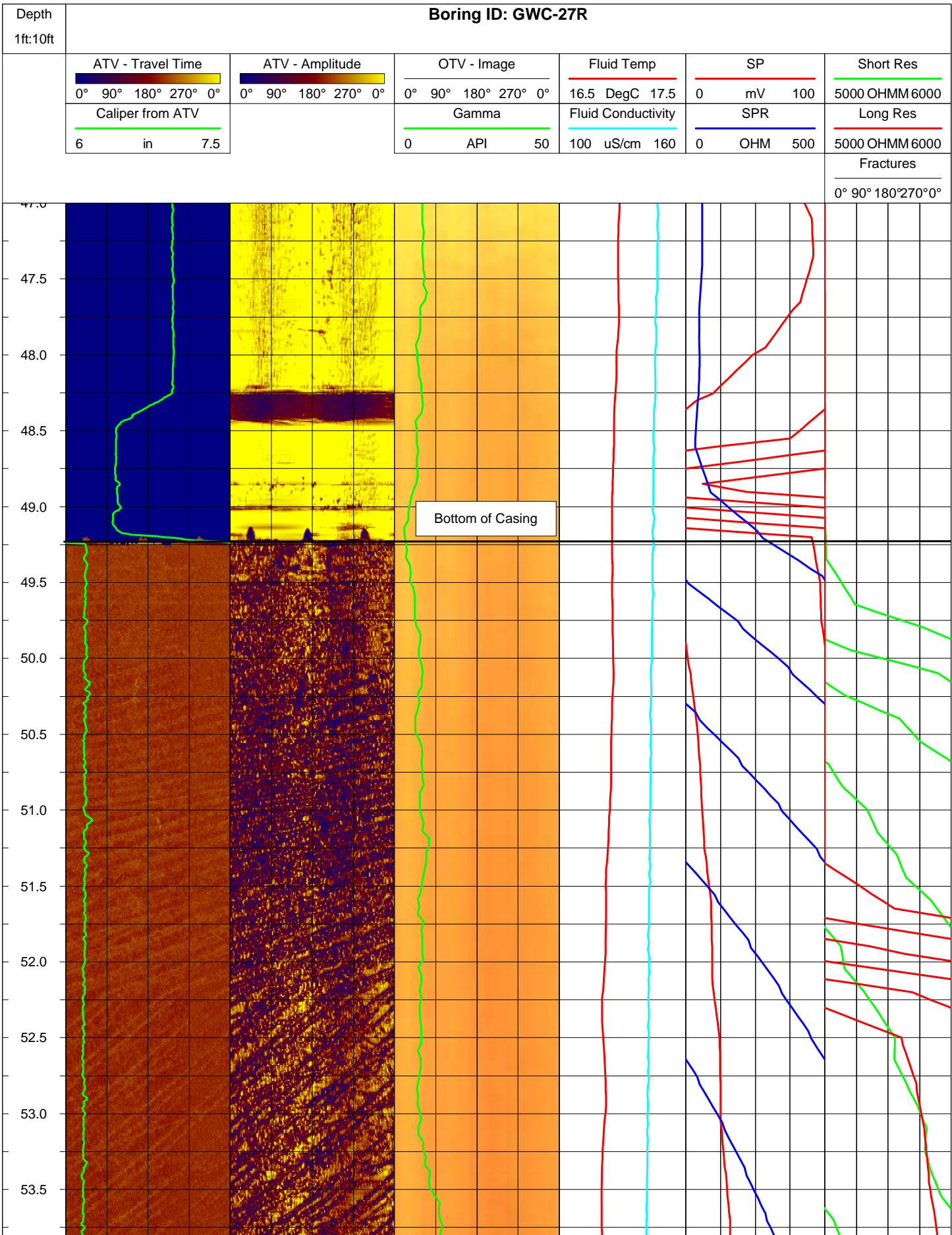


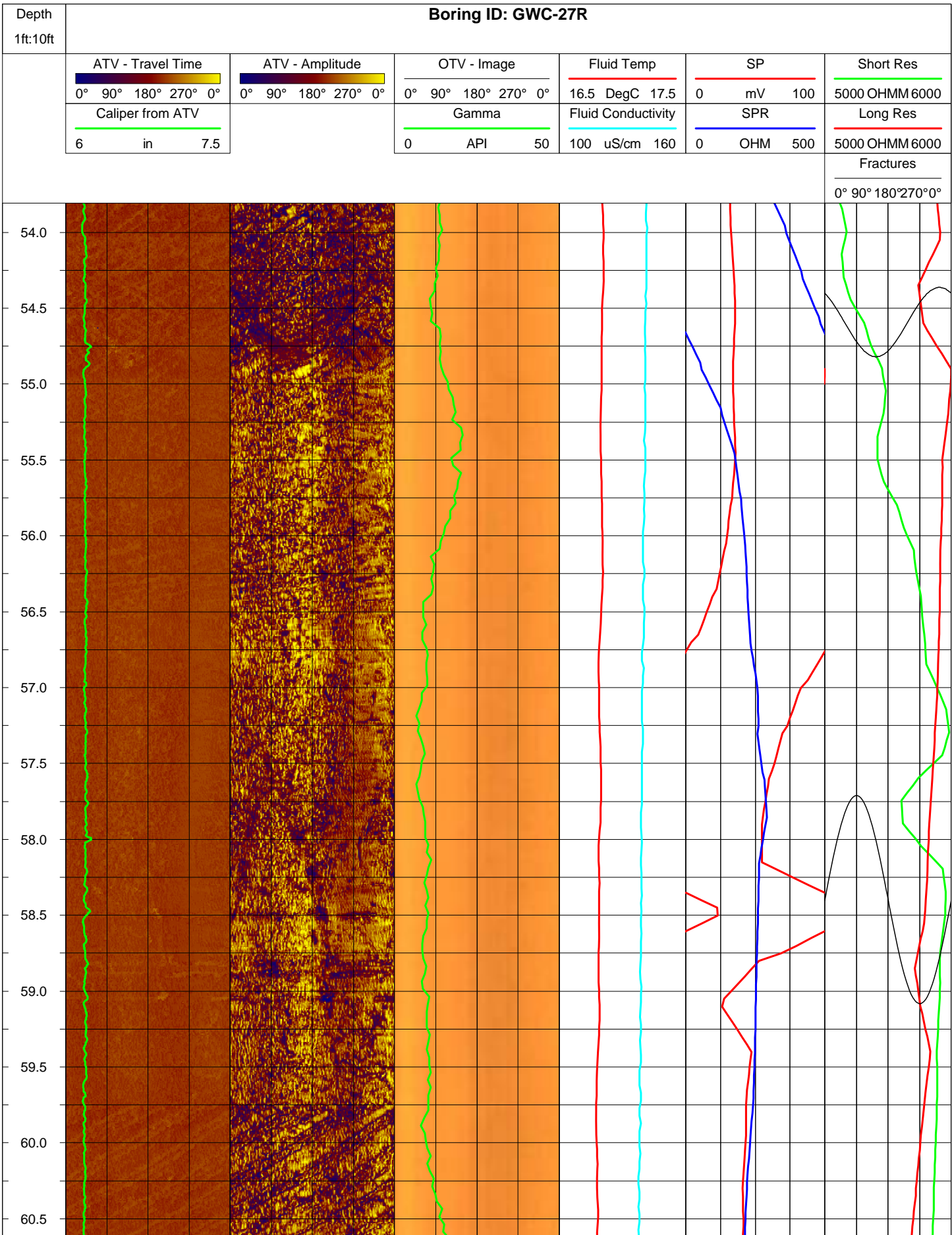


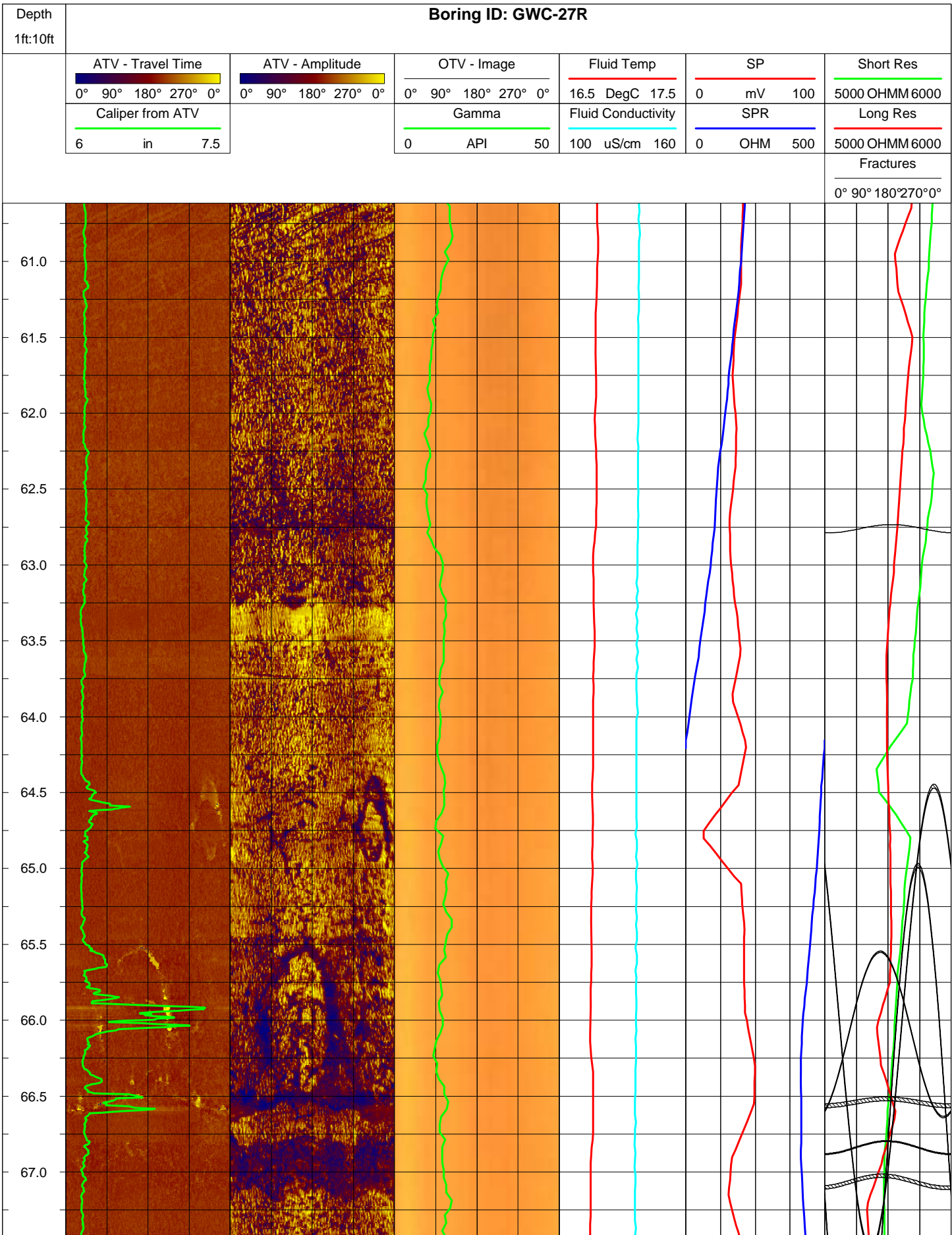




APPENDIX III: Logs and Interpretations



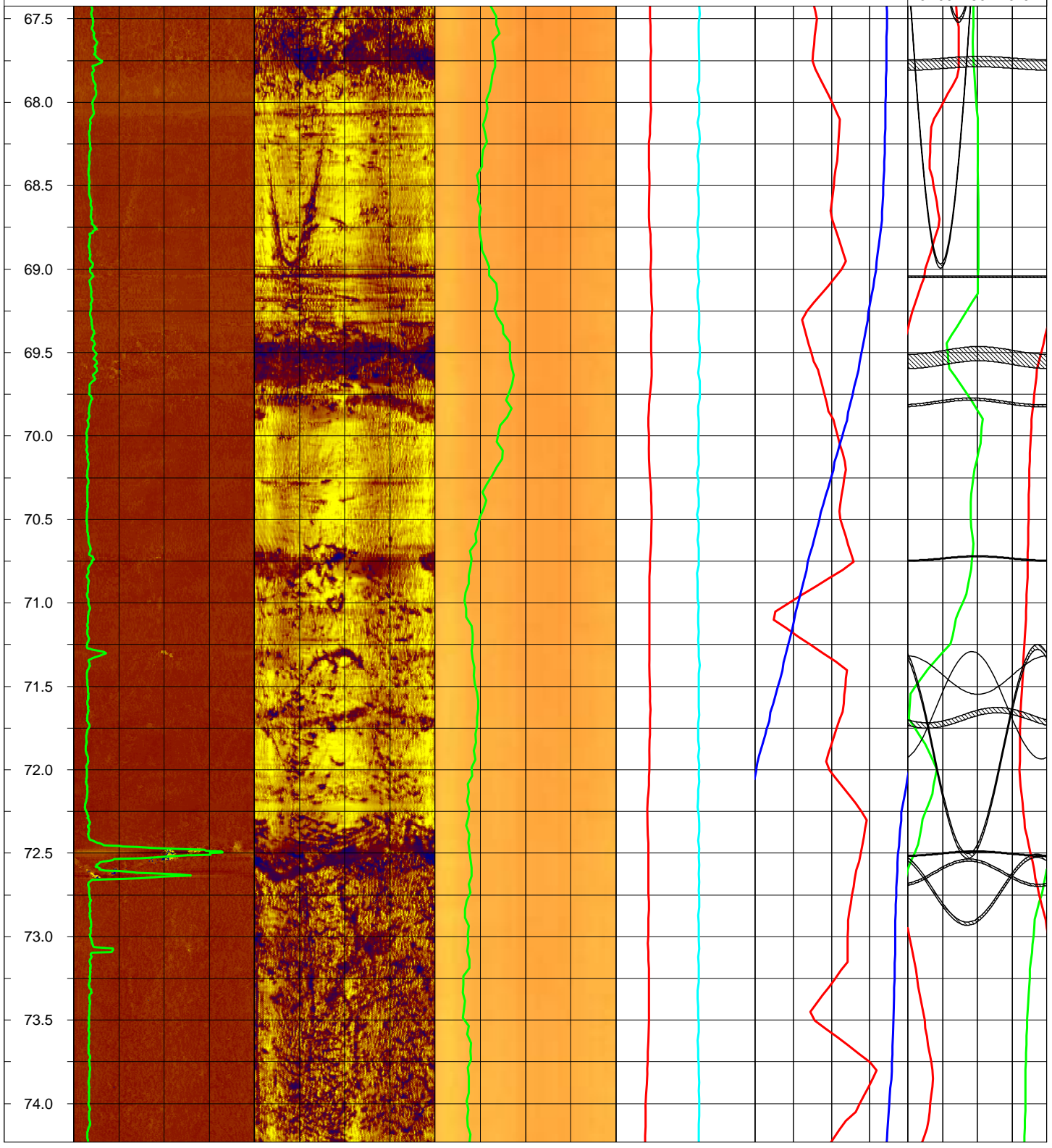


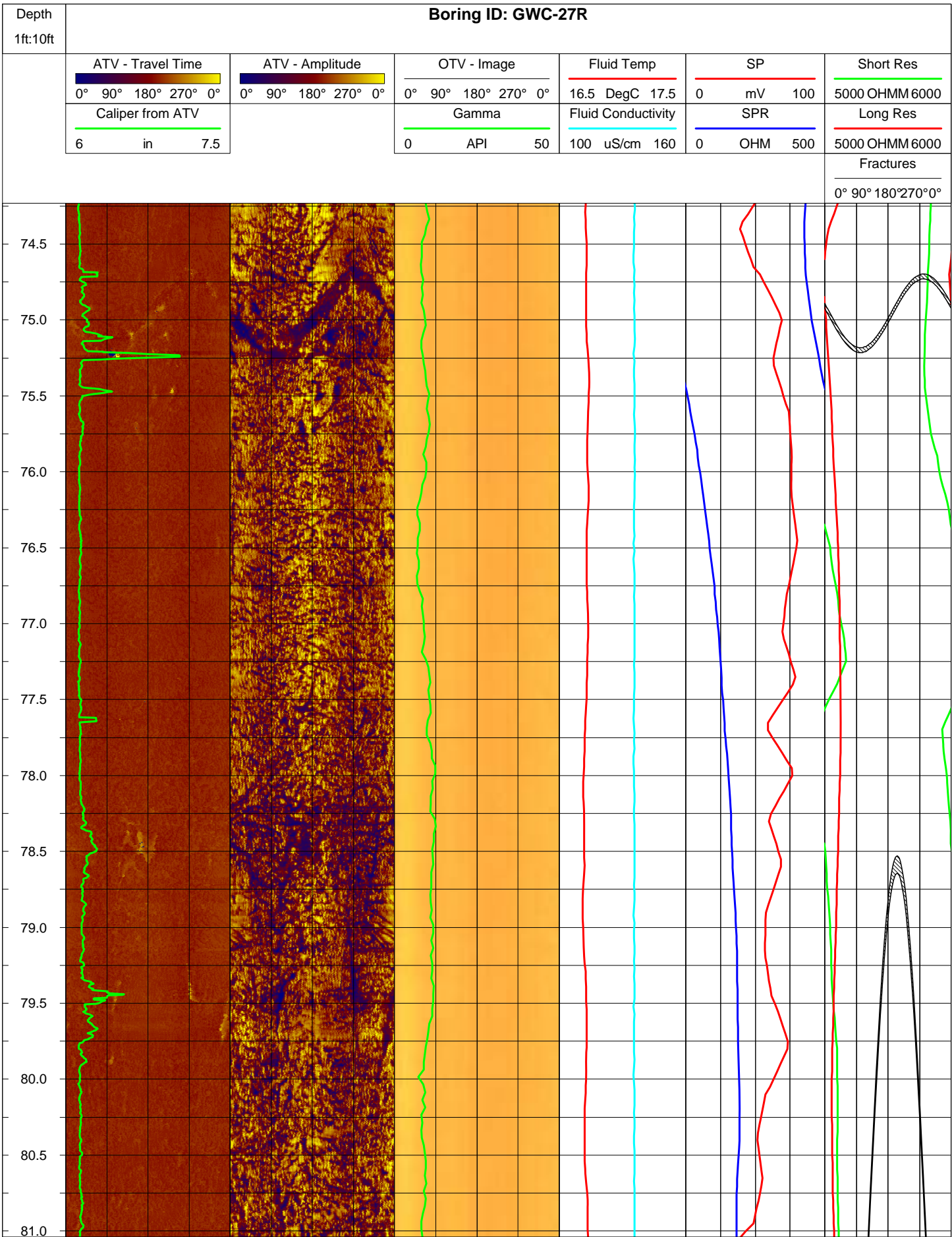


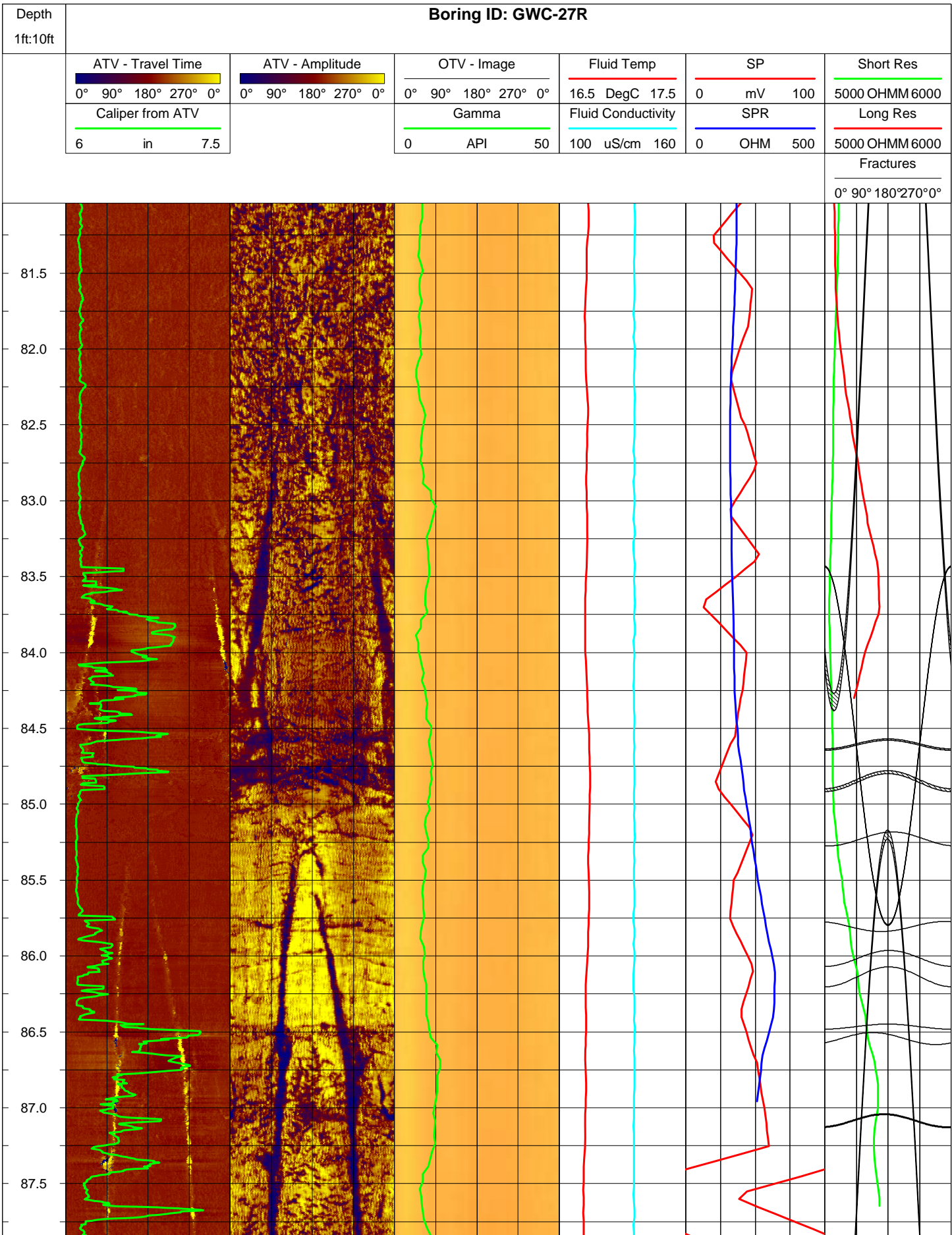
Boring ID: GWC-27R

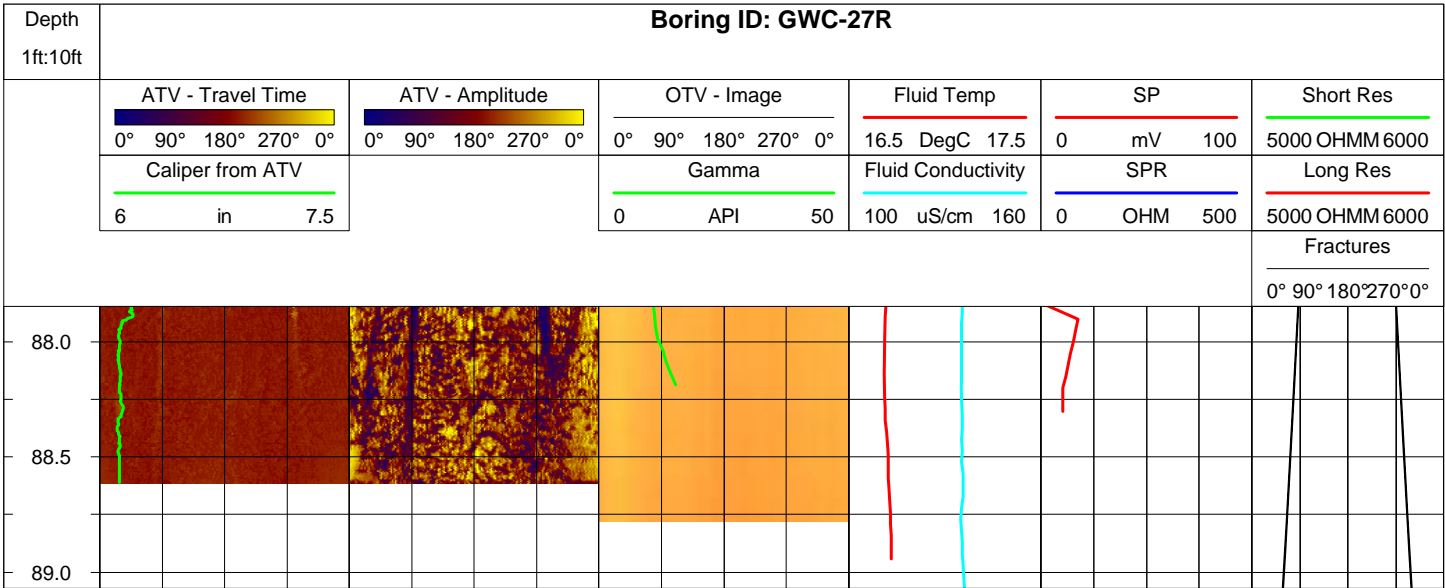
Depth
1ft:10ft

ATV - Travel Time 		ATV - Amplitude 		OTV - Image 		Fluid Temp 16.5 DegC 17.5		SP 0 mV 100		Short Res 5000 OHMM 6000	
Caliper from ATV 6 in 7.5		Gamma 0 API 50		Fluid Conductivity 100 uS/cm 160		SPR 0 OHM 500		Long Res 5000 OHMM 6000		Fractures 0° 90° 180° 270°	

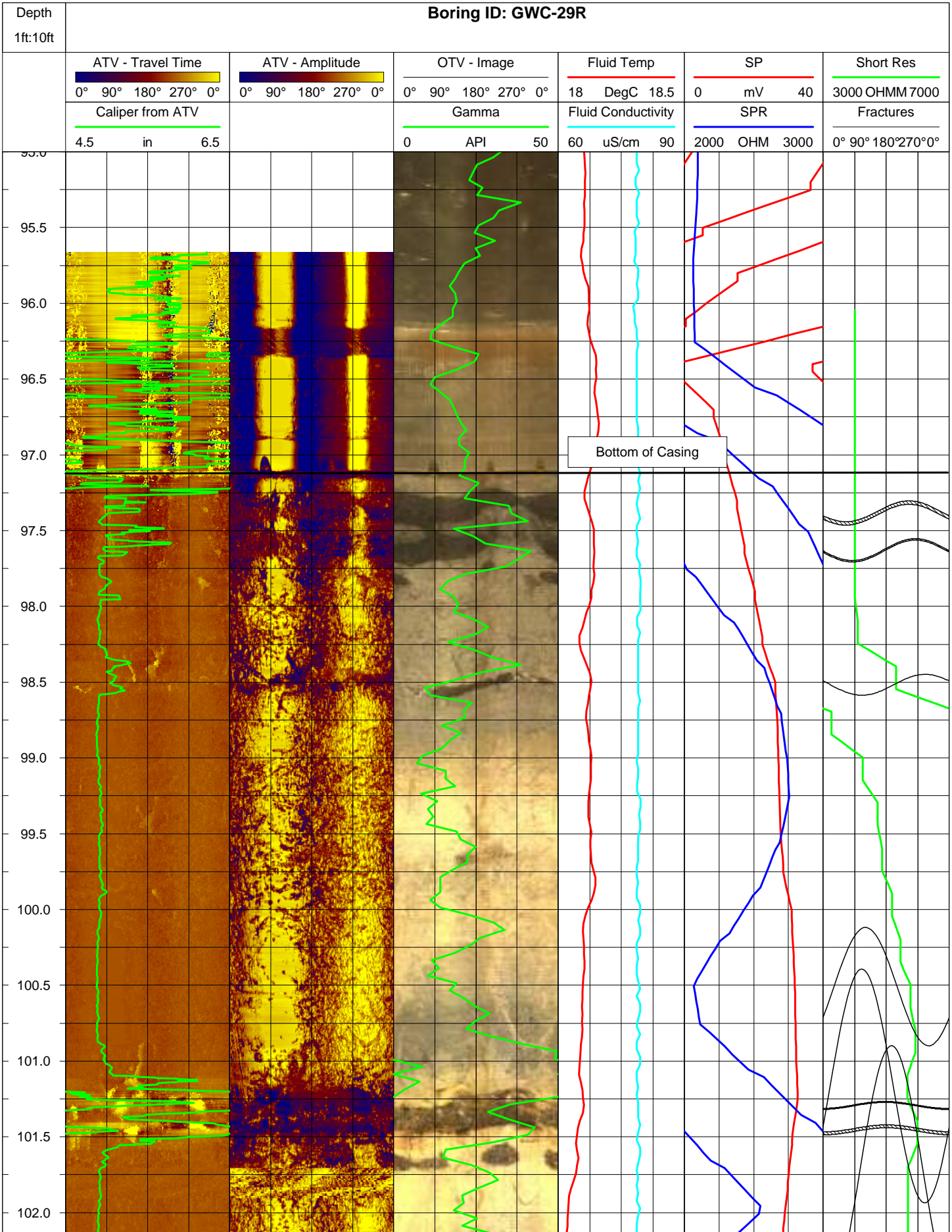




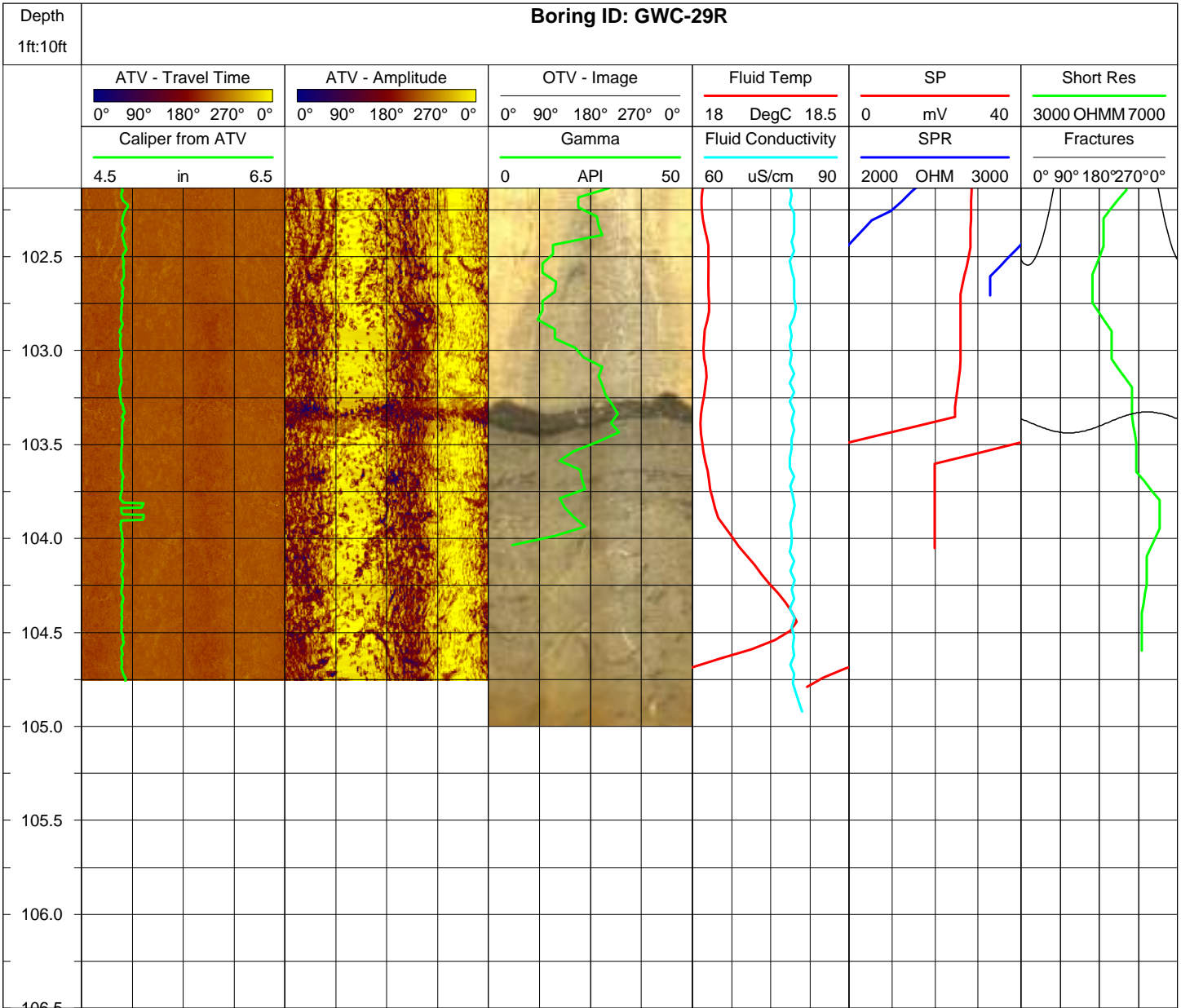




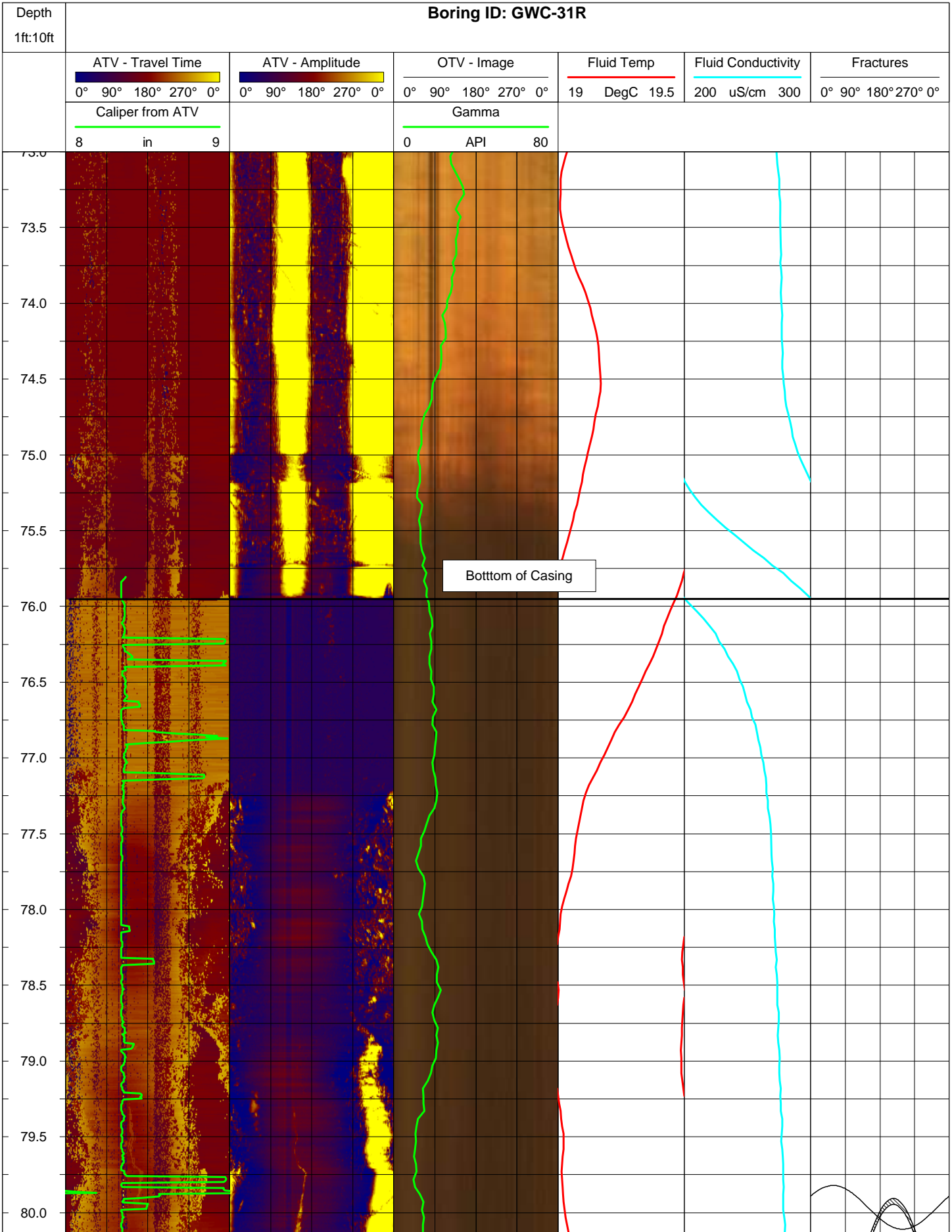
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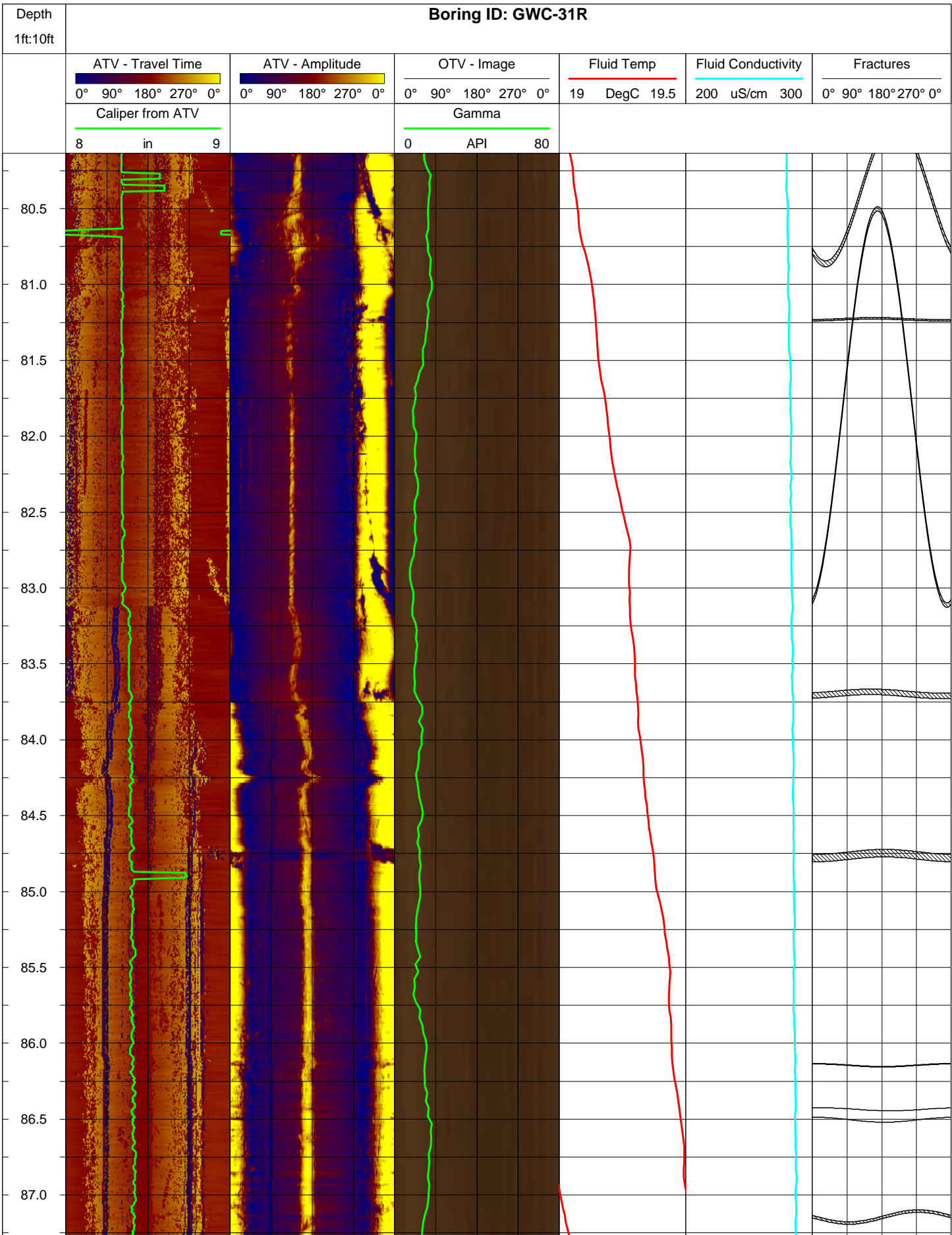


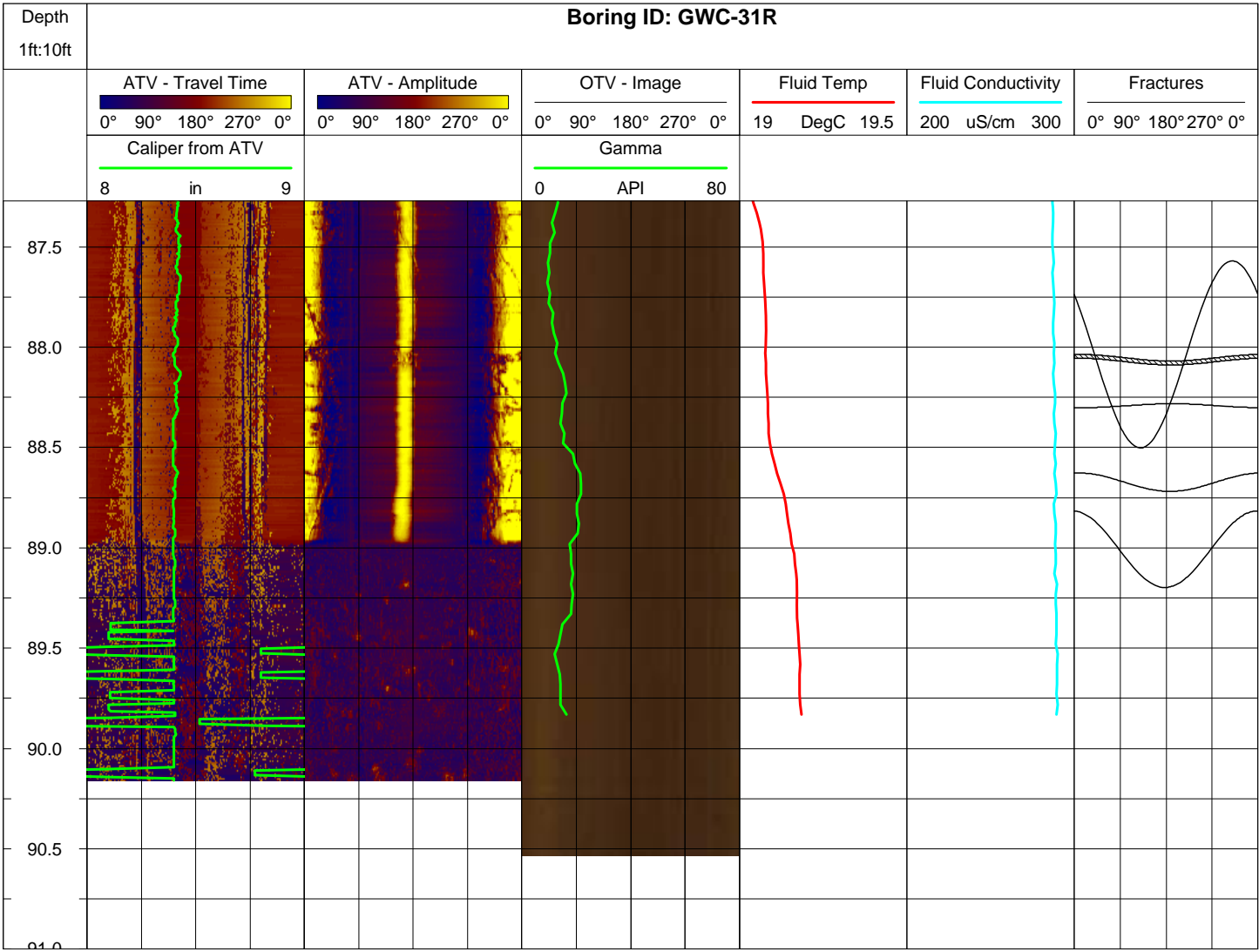
Boring ID: GWC-29R



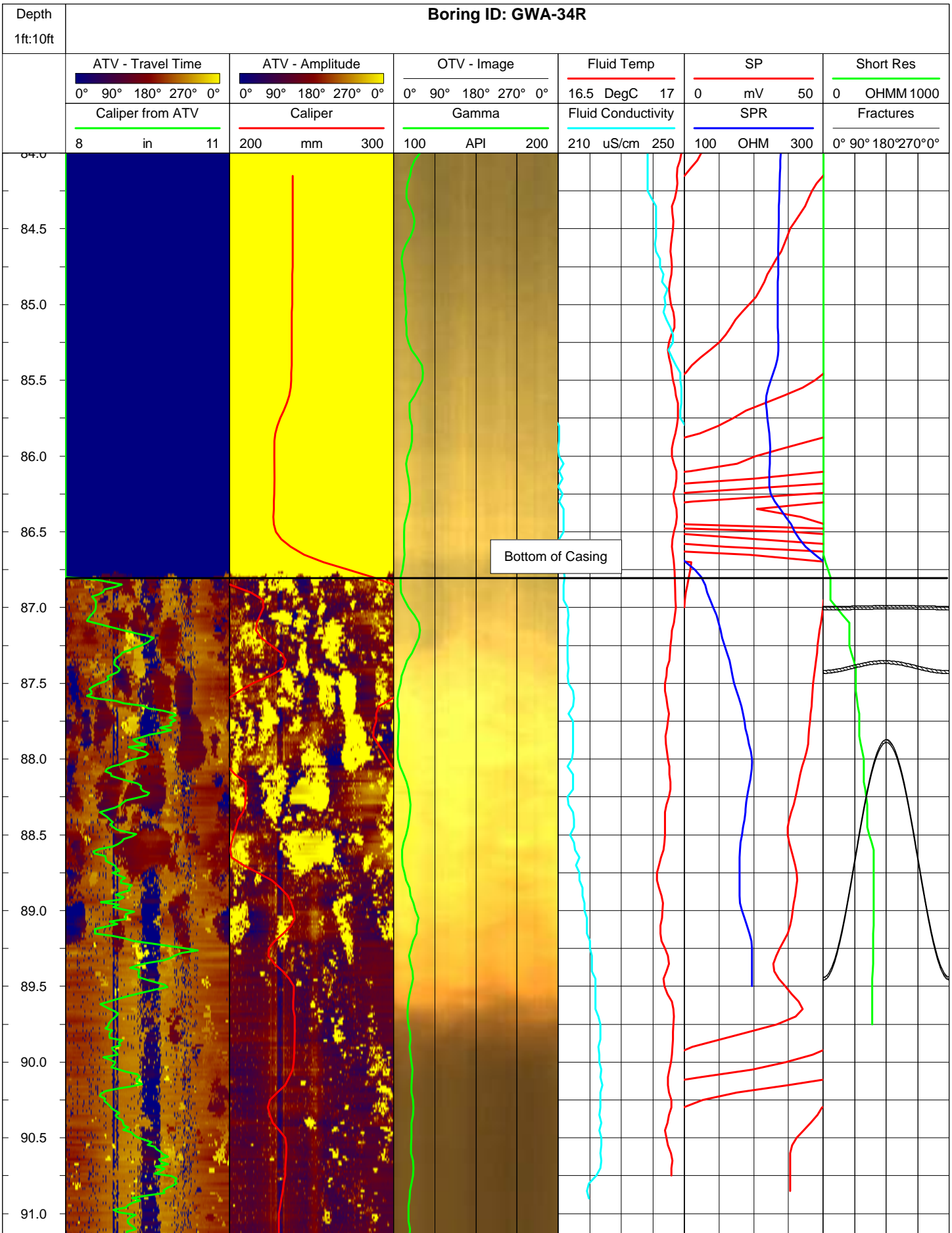
Boring ID: GWC-31R







Boring ID: GWA-34R



Boring ID: GWA-34R

Depth 1ft:10ft	Boring ID: GWA-34R																			
	ATV - Travel Time				ATV - Amplitude				OTV - Image				Fluid Temp		SP		Short Res			
	0° 90° 180° 270° 0°				0° 90° 180° 270° 0°				0° 90° 180° 270° 0°				16.5 DegC 17		0 mV 50		0 OHMM 1000			
	Caliper from ATV				Caliper				Gamma				Fluid Conductivity		SPR		Fractures			
8 in 11				200 mm 300				100 API 200				210 uS/cm 250		100 OHM 300		0° 90° 180° 270° 0°				
91.5																				
92.0																				
92.5																				

**APPENDIX D
WELL DEVELOPMENT FORM AND
CALIBRATION FORMS**

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacker	Date: 5/4/23	Time (Calibration): 11:12	Time (Mid-day Check): 13:40
Asset/ID# SN: 789301	Factory Model Type: LaMotte 2020	SN: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 73°/41° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated a/cal)				90.93	
Specific Conductance (µS/cm)	22250153 11/23	24.16	4490	4523.4	
pH (4)	22250153 11/23	24.12	4	4.11	
pH (7)	2216893 11/23	21.23	7	7.09	
pH (10)	21320262 12/23	19.63	10	10.13	
ORP (mV)	21390144 11/23	20.37	228	219.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.28	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.98	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check		4		±0.1 pH	Yes	No	
Mid-Day pH (7) check		7		±0.1 pH	Yes	No	
Mid-Day pH (10) check		10		±0.1 pH	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789301
Created 5/4/2023

Sensor RDO
Serial Number 878603
Last Calibrated 5/4/2023

Calibration Details

Slope 1.100098
Offset 0.00 mg/L

Calibration point 100%

Concentration 7.42 mg/L
Temperature 24.60 °C
Barometric Pressure 994.12 mbar

Sensor Conductivity
Serial Number 789301
Last Calibrated 5/4/2023

Calibration Details

Cell Constant 0.994
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor Level
Serial Number 787061
Last Calibrated Factory Defaults

Sensor pH/ORP
Serial Number 21177
Last Calibrated 5/4/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 120.8 mV
Temperature 24.12 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -50.7 mV
Temperature 21.28 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-216.3 mV
Temperature	19.63 °C

Slope and Offset 1

Slope	-56.78 mV/pH
Offset	-49.5 mV

Slope and Offset 2

Slope	-54.68 mV/pH
Offset	-49.6 mV

ORP

ORP Solution	ORP Standard
Offset	55.2 mV
Temperature	20.37 °C

Field Technician: Meredith Duca	Date: 5/4/23	Time of Calibration: 08:40	Time (M/d/yr) Check: 1807
AggaTru® SN: 893479	Turbidity Meter Type: la motte	SN: 7042-3818	
Project: LF Development	Weather Conditions: Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (opt. 100% water saturated air sat)				104.44	
Specific Conductance (µS/cm)	22250153 11/23	10.46	4490	4377.9	
pH (6)	22250153 11/23	11.14	4	4.12	
pH (7)	2216893 11/23	11.35	7	7.17	
pH (10)	11320202 12/23	11.72	10	10.27	
ORP (mV)	11390144 11/23	11.51	228	234.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass*		Comments
Turbidity 0 NTU	0	0.02	±0.2 NTU	Yes	No	
Turbidity 1 NTU	1	1.09	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.24	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass*		Comments
Mid-Day pH (4) check	22.88	4	4.16	±0.1 SU	Yes	No	
Mid-Day pH (7) check	39.16	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	38.51	10	9.98	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/9/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/4/2023

Calibration Details

Slope 0.9992682
Offset 0.00 mg/L

Calibration point 100%

Concentration 11.14 mg/L
Temperature 9.71 °C
Barometric Pressure 992.55 mbar

Sensor	Conductivity
--------	--------------

Serial Number	893479
Last Calibrated	5/4/2023

Calibration Details

Cell Constant 1.148
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
--------	-------

Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
--------	--------

Serial Number	21688
Last Calibrated	5/4/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.02 pH
pH mV 51.8 mV
Temperature 32.71 °C

Calibration Point 2

pH of Buffer 6.98 pH
pH mV -121.2 mV
Temperature 39.16 °C

Calibration Point 3

pH of Buffer	9.87 pH
pH mV	-286.7 mV
Temperature	38.45 °C

Slope and Offset 1

Slope	-58.46 mV/pH
Offset	-122.4 mV

Slope and Offset 2

Slope	-57.24 mV/pH
Offset	-122.4 mV

ORP

ORP Solution	ORP Standard
Offset	84.9 mV
Temperature	11.47 °C

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/9/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/4/2023

Calibration Details

Slope 0.9992682
Offset 0.00 mg/L

Calibration point 100%

Concentration 11.14 mg/L
Temperature 9.71 °C
Barometric Pressure 992.55 mbar

Sensor	Conductivity
--------	--------------

Serial Number	893479
Last Calibrated	5/4/2023

Calibration Details

Cell Constant 1.148
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
--------	-------

Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
--------	--------

Serial Number	21688
Last Calibrated	5/4/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.02 pH
pH mV 51.8 mV
Temperature 32.71 °C

Calibration Point 2

pH of Buffer 6.98 pH
pH mV -121.2 mV
Temperature 39.16 °C

Calibration Point 3

pH of Buffer	9.87 pH
pH mV	-286.7 mV
Temperature	38.45 °C

Slope and Offset 1

Slope	-58.46 mV/pH
Offset	-122.4 mV

Slope and Offset 2

Slope	-57.24 mV/pH
Offset	-122.4 mV

ORP

ORP Solution	ORP Standard
Offset	84.9 mV
Temperature	11.47 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Loaker	Date: 5/10/23	Time (Calibration): 13:40	Time (Mobility Check): 15:40
AguaTrol SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: May 2023 LF Development	Weather Conditions: 84°/61° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1% 100% water saturated air cal)				98.41	
Specific Conductance (µS/cm)	22250153 11/23	31.76	4490	4813.9	
pH (4)	22250153 11/23	31.74	4	4.09	
pH (7)	2216893 11/23	29.67	7	7.11	
pH (10)	21320202 12/23	28.72	10	10.07	
ORP (mV)	21390144 11/23	28.06	228	206.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.04	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.78	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	30.26	4	4.03	±0.1 SU	Yes	No	
Mid-Day pH (7) check	29.82	7	7.07	±0.1 SU	Yes	No	
Mid-Day pH (10) check	30.14	10	9.96	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/10/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/10/2023

Calibration Details

Slope 1.046241
Offset 0.00 mg/L

Calibration point 100%

Concentration 6.70 mg/L
Temperature 33.42 °C
Barometric Pressure 996.28 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/10/2023

Calibration Details

Cell Constant 1.105
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/10/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.01 pH
pH mV 73.6 mV
Temperature 31.74 °C

Calibration Point 2

pH of Buffer 6.99 pH
pH mV -102.8 mV
Temperature 29.67 °C

Calibration Point 3

pH of Buffer	9.95 pH
pH mV	-265.9 mV
Temperature	28.72 °C

Slope and Offset 1

Slope	-59.21 mV/pH
Offset	-103.4 mV

Slope and Offset 2

Slope	-55.08 mV/pH
Offset	-103.4 mV

ORP

ORP Solution	ORP Standard
Offset	109.6 mV
Temperature	28.06 °C

Field Technician: Meredith Duncan	Date: 5/10/23	Time of calibration: 08:30	Time (Mid-day Check): 15:30
Asset/ID #: 893419	Turbidity Meter Type: la Motte	SN: 2068-0320	
Client: Raven Development	Weather Conditions: 80° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(opt, 100% water saturated air sat)</small>				102.33	
Specific Conductance (µS/cm)	22250153 11/23	20.62	4490	4723.6	
pH (4)	22250153 11/23	21.29	4	3.89	
pH (7)	2216893 11/23	21.47	7	7.01	
pH (10)	21320202 12/23	21.65	10	10.01	
ORP (mV)	21390144 11/23	21.56	228	205.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.12	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.32	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pass Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	27.21	4	4.19	±0.1 SU	Yes	No	
Mid-Day pH (7) check	27.28	7	7.25	±0.1 SU	Yes	No	
Mid-Day pH (10) check	28.11	10	10.19	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/10/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/10/2023

Calibration Details

Slope 0.9764001
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.25 mg/L
Temperature 19.42 °C
Barometric Pressure 995.09 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/10/2023

Calibration Details

Cell Constant 0.99
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/10/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 57.2 mV
Temperature 21.29 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -116.0 mV
Temperature 21.48 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-277.9 mV
Temperature	21.67 °C

Slope and Offset 1

Slope	-57.34 mV/pH
Offset	-114.8 mV

Slope and Offset 2

Slope	-53.44 mV/pH
Offset	-114.9 mV

ORP

ORP Solution	ORP Standard
Offset	107.1 mV
Temperature	21.60 °C



EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 5/12/2023	Time (Calibration): 1040	Time (Mid-day Check): 1255
AquaTroll SN: 893479	Turbidity Meter Type: La Motte		SN: 2068-0320
Project: Bowen Development	Weather Conditions: 70 Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.38%	
Specific Conductance (µS/cm)	22250153 11/23	21.87	4490	4067.8	
pH (4)	22250153 11/23	21.94	4	3.85	
pH (7)	2216893 11/23	21.92	7	6.78	
pH (10)	21320202 12/23	21.93	10	9.83	
ORP (mV)	21390144 11/23	21.94	228	226.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.79	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.23	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	22.34	4	4.01	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	22.40	7	7.06	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	22.15	10	10.10	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/12/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/12/2023

Calibration Details

Slope 0.9826346
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.79 mg/L
Temperature 21.85 °C
Barometric Pressure 998.57 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/12/2023

Calibration Details

Cell Constant 1.092
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/12/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 55.7 mV
Temperature 21.94 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -116.5 mV
Temperature 21.92 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -279.7 mV
Temperature 21.94 °C

Slope and Offset 1

Slope -57.02 mV/pH
Offset -115.4 mV

Slope and Offset 2

Slope -53.85 mV/pH
Offset -115.5 mV

ORP

ORP Solution ORP Standard
Offset 110.0 mV
Temperature 21.94 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Loaker	Date: 5/17/23	Time of day: 9:12	Time (Mid-day Check): 11:20
Asset/ID SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 77°/63° cloudy, rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				101.65	
Specific Conductance (µS/cm)	22250153 11/23	21.07	4490	4531.2	
pH (4)	22250153 11/23	21.27	4	4.03	
pH (7)	2216893 11/23	21.63	7	6.97	
pH (10)	21320202 12/23	21.71	10	10.01	
ORP (mV)	21390144 11/23	21.68	228	239.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.76	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.17	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	23.13	4	4.02	±0.1 SU	Yes	No	
Mid-Day pH (7) check	23.15	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	23.35	10	10.02	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/17/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/17/2023

Calibration Details

Slope 1.028807
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.48 mg/L
Temperature 20.78 °C
Barometric Pressure 988.00 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/17/2023

Calibration Details

Cell Constant 0.993
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/17/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 69.7 mV
Temperature 21.27 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -99.1 mV
Temperature 21.63 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-262.3 mV
Temperature	21.71 °C

Slope and Offset 1

Slope	-55.91 mV/pH
Offset	-98.0 mV

Slope and Offset 2

Slope	-53.85 mV/pH
Offset	-98.1 mV

ORP

ORP Solution	ORP Standard
Offset	98.4 mV
Temperature	21.62 °C

Field Technician: Meredith Dincer	Date: 5/17/23	Time (Calibration): 0900	Time (Mid-day Check): 1112
AquaTrol/SN: 893479	Turbidity Meter Type: la motte	SN: 7042-3818	
Project: Bowen Development	Weather Conditions: 68° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				99.40	
Specific Conductance (µS/cm)	22250153 11/23	21.07	4490	4505.4	
pH (4)	22250153 11/23	21.20	4	3.99	
pH (7)	2216893 11/23	21.26	7	7.03	
pH (10)	21320202 12/23	21.29	10	10.04	
ORP (mV)	21390144 11/23	21.34	228	231.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.13	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.23	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	22.35	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	22.05	7	7.11	±0.1 SU	Yes	No	
Mid-Day pH (10) check	21.43	10	10.05	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/17/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/17/2023

Calibration Details

Slope 1.013828
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.58 mg/L
Temperature 20.91 °C
Barometric Pressure 988.12 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/17/2023

Calibration Details

Cell Constant 0.985
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/17/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 54.9 mV
Temperature 21.20 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -116.5 mV
Temperature 21.26 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -278.7 mV
Temperature 21.29 °C

Slope and Offset 1

Slope -56.76 mV/pH
Offset -115.3 mV

Slope and Offset 2

Slope -53.53 mV/pH
Offset -115.4 mV

ORP

ORP Solution ORP Standard
Offset 111.7 mV
Temperature 21.34 °C



EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 5/22/2023	Time (Calibration): 1330	Time (Mid-day Check): 1548
AquaTroll SN: 893479	Turbidity Meter Type: La Motte		SN: 2068-0320
Project: Bowen Development	Weather Conditions: 70 Rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.11%	
Specific Conductance (µS/cm)	22250153 11/23	26.01	4490	4476.6	
pH (4)	22250153 11/23	26.11	4	3.99	
pH (7)	2216893 11/23	25.20	7	6.97	
pH (10)	21320202 12/23	24.62	10	10.09	
ORP (mV)	21390144 11/23	24.42	228	223.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	+/-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.82	+/- 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.62	+/- 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	25.99	4	4.02	+/- 0.1 SU	Yes	No	
Mid-Day pH (7) check	24.60	7	7.11	+/- 0.1 SU	Yes	No	
Mid-Day pH (10) check	23.44	10	10.06	+/- 0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/22/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/22/2023

Calibration Details

Slope 1.022819
Offset 0.00 mg/L

Calibration point 100%

Concentration 7.77 mg/L
Temperature 26.09 °C
Barometric Pressure 994.65 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/22/2023

Calibration Details

Cell Constant 1.081
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/22/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 52.3 mV
Temperature 26.11 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -120.6 mV
Temperature 25.18 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-284.8 mV
Temperature	24.62 °C

Slope and Offset 1

Slope	-57.65 mV/pH
Offset	-120.6 mV

Slope and Offset 2

Slope	-54.74 mV/pH
Offset	-120.6 mV

ORP

ORP Solution	ORP Standard
Offset	117.4 mV
Temperature	24.42 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 5/24/23	Time (Calibration): 9:02	Time (Mobile Check): 10:10
ApexTech SN: 789310	Tablet Meter Type: LaMotte 2020	SN: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 79°/56° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DD (%) (1pt, 100% water saturated air sat)				100.71	
Specific Conductance (µS/cm)	22250153 11/23	16.72	4490	34000.0	
pH (4)	22250153 11/23	16.81	4	4.01	
pH (7)	2216893 11/23	16.77	7	7.09	
pH (10)	21320202 12/23	16.77	10	10.12	
ORP (mV)	21390144 11/23	16.81	228	234.4 233.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.82	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.28	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.61	4	4.01	±0.1 SU	Yes	No	
Mid-Day pH (7) check	17.60	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	17.43	10	10.10	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/24/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/24/2023

Calibration Details

Slope 1.020467
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.37 mg/L
Temperature 16.69 °C
Barometric Pressure 996.22 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/24/2023

Calibration Details

Cell Constant 1.115
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/24/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 68.0 mV
Temperature 16.81 °C

Calibration Point 2

pH of Buffer 7.04 pH
pH mV -101.2 mV
Temperature 16.77 °C

Calibration Point 3

pH of Buffer	10.11 pH
pH mV	-261.9 mV
Temperature	16.77 °C

Slope and Offset 1

Slope	-55.65 mV/pH
Offset	-98.9 mV

Slope and Offset 2

Slope	-52.35 mV/pH
Offset	-99.1 mV

ORP

ORP Solution	ORP Standard
Offset	91.8 mV
Temperature	16.81 °C

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 5/24/23	Time of Calibration: 0900	Time (Mid-day Check): 1130
ApnaTrol SN: 893479	Turbidity Meter Type: la motte	SN: 7042-3818	
Project: Bowen Development	Weather Conditions: 72° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air cal)				100.33	
Specific Conductance (µS/cm)	22250153 11/23	18.08	4490	4810.7	
pH (6)	22250153 11/23	18.94	4	4.00	
pH (7)	2216893 11/23	18.99	7	6.90	
pH (10)	21320202 12/23	19.14	10	9.99	
ORP (mV)	21390144 11/23	14.03	228	238.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.96	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.23	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	23.98	4	4.10	±0.1 SU	Yes	No	
Mid-Day pH (7) check	24.05	7	7.13	±0.1 SU	Yes	No	
Mid-Day pH (10) check	24.16	10	10.07	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/24/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/24/2023

Calibration Details

Slope 1.019582
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.97 mg/L
Temperature 18.84 °C
Barometric Pressure 995.89 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/24/2023

Calibration Details

Cell Constant 1.009
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/24/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 50.5 mV
Temperature 18.96 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -119.1 mV
Temperature 18.99 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-282.0 mV
Temperature	19.14 °C

Slope and Offset 1

Slope	-56.16 mV/pH
Offset	-118.0 mV

Slope and Offset 2

Slope	-53.76 mV/pH
Offset	-118.1 mV

ORP

ORP Solution	ORP Standard
Offset	108.3 mV
Temperature	19.03 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 5/30/23	Time (Calibration): 10:19	Time (Midday Check): 15:30
Equipment ID: 789310	Turbidity Meter Type: LaMotte 2020	SN: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 81°/55° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Tgt. 100% water saturated air cal)				100.31	
Specific Conductance (µS/cm)	22250153 11/23	17.96	4490	4458.3	
pH (4)	22250153 11/23	18.33	4	4.01	
pH (7)	2216893 11/23	18.39	7	7.06	
pH (10)	21320202 12/23	18.47	10	10.12	
ORP (mV)	21390144 11/23	18.62	228	219.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.16	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.05	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.81	4	4.08	±0.1 (S)	Yes	No	
Mid-Day pH (7) check	24.10	7	7.11	±0.1 (S)	Yes	No	
Mid-Day pH (10) check	25.31	10	10.10	±0.1 (S)	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/30/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/30/2023

Calibration Details

Slope 1.017035
Offset 0.00 mg/L

Calibration point 100%

Concentration 9.16 mg/L
Temperature 17.80 °C
Barometric Pressure 993.06 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/30/2023

Calibration Details

Cell Constant 1.123
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/30/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 67.6 mV
Temperature 18.33 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -102.7 mV
Temperature 18.39 °C

Calibration Point 3

pH of Buffer	10.05 pH
pH mV	-263.9 mV
Temperature	18.47 °C

Slope and Offset 1

Slope	-56.38 mV/pH
Offset	-101.5 mV

Slope and Offset 2

Slope	-53.23 mV/pH
Offset	-101.6 mV

ORP

ORP Solution	ORP Standard
Offset	99.6 mV
Temperature	18.62 °C

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duca
 Date: 5/30/23 Time (Calibration): 1320 Time (Mid-day Check): 1520
 Aquatool SN: 893479
 Turbidity Meter Type: 1a Motte SN: 7042-3818
 Operator: Bowen Dev
 Weather Conditions: 80° sunny

Calibrates Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				104.16	
Specific Conductance (µS/cm)	22250153 11/23	26.43	4490	4573.1	
pH (4)	22250153 11/23	26.61	4	3.95	
pH (7)	2216893 11/23	24.88	7	6.90	
pH (10)	21320202 12/23	23.90	10	9.95	
ORP (mV)	21390144 11/23	23.35	228	217.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.02	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.62	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.22	4	4.05	±0.1 SU	Yes	No	
Mid-Day pH (7) check	25.1	7	7.08	±0.1 SU	Yes	No	
Mid-Day pH (10) check	25.71	10	10.04	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/30/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/30/2023

Calibration Details

Slope 0.9780982
Offset 0.00 mg/L

Calibration point 100%

Concentration 7.96 mg/L
Temperature 26.75 °C
Barometric Pressure 992.69 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/30/2023

Calibration Details

Cell Constant 0.992
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/30/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 48.6 mV
Temperature 24.07 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -124.9 mV
Temperature 24.00 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-285.7 mV
Temperature	24.11 °C

Slope and Offset 1

Slope	-57.83 mV/pH
Offset	-124.9 mV

Slope and Offset 2

Slope	-53.59 mV/pH
Offset	-124.9 mV

ORP

ORP Solution	ORP Standard
Offset	120.2 mV
Temperature	23.35 °C

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacker	Date: 5/31/23	Time of Calibration: 10:52	Time (Mid-day Check): 14:50
Asset/ID #: 789310	Calibrator Model Type: LaMotte 2020	ID #: 2068-0320	
Project: May 2023 LF Development	Weather Conditions: 80°/64° partly sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				102.02	
Specific Conductance (µS/cm)	22250153 11/23	21.98	4490	4568.7	
pH (4)	22250153 11/23	22.07	4	4.02	
pH (7)	2216893 11/23	21.78	7	7.03	
pH (10)	21320202 12/23	21.71	10	10.03	
ORP (mV)	21390144 11/23	21.71	228	225.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.85	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.15	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	23.06	4	4.10	±0.1 SU	Yes	No	
Mid-Day pH (7) check	23.63	7	7.16	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.50	10	10.12	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 5/31/2023

Sensor	RDO
Serial Number	878616
Last Calibrated	5/31/2023

Calibration Details

Slope 0.9988791
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.59 mg/L
Temperature 22.10 °C
Barometric Pressure 996.27 mbar

Sensor	Conductivity
Serial Number	789310
Last Calibrated	5/31/2023

Calibration Details

Cell Constant 1.103
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	787063
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21174
Last Calibrated	5/31/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 67.3 mV
Temperature 22.07 °C

Calibration Point 2

pH of Buffer 7.02 pH
pH mV -104.5 mV
Temperature 21.78 °C

Calibration Point 3

pH of Buffer 10.05 pH
pH mV -265.9 mV
Temperature 21.71 °C

Slope and Offset 1

Slope -56.86 mV/pH
Offset -103.3 mV

Slope and Offset 2

Slope -53.29 mV/pH
Offset -103.4 mV

ORP

ORP Solution ORP Standard
Offset 102.5 mV
Temperature 21.71 °C

Field Technician: <u>Meredith Durao</u>	Date: <u>5/31/23</u>	Time (Calibration): <u>1421</u>	Time (Mid-day Check): <u>1600</u>
AquaTroll #N: <u>893479</u>	Turbidity Meter Type: <u>la Motte</u>	SN: <u>7042-3818</u>	
Project: <u>Bowen Dev.</u>	Weather Conditions: <u>6.9°</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				<u>101.09</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>25.45</u>	<u>4490</u>	<u>4458.0</u>	
pH (4)	<u>22250153 11/23</u>	<u>25.42</u>	<u>4</u>	<u>3.99</u>	
pH (7)	<u>2216893 11/23</u>	<u>24.43</u>	<u>7</u>	<u>6.98</u>	
pH (10)	<u>21320202 12/23</u>	<u>23.78</u>	<u>10</u>	<u>10.05</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>23.71</u>	<u>228</u>	<u>227.5</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	<u>0</u>	<u>0.00</u>	<u>+/- 0.5 NTU</u>	Yes No	
Turbidity 1 NTU	<u>1</u>	<u>1.02</u>	<u>+/- 0.5 NTU</u>	Yes No	
Turbidity 10 NTU	<u>10</u>	<u>10.21</u>	<u>+/- 0.5 NTU</u>	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	<u>27.14</u>	<u>4</u>	<u>4.00</u>	<u>+/- 0.1 SU</u>	Yes No	
Mid-Day pH (7) check	<u>26.57</u>	<u>7</u>	<u>7.01</u>	<u>+/- 0.1 SU</u>	Yes No	
Mid-Day pH (10) check	<u>26.43</u>	<u>10</u>	<u>10.01</u>	<u>+/- 0.1 SU</u>	Yes No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 5/31/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	5/31/2023

Calibration Details

Slope 0.9686157
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.25 mg/L
Temperature 25.84 °C
Barometric Pressure 995.37 mbar

Sensor	Conductivity
Serial Number	893479
Last Calibrated	5/31/2023

Calibration Details

Cell Constant 0.999
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
Serial Number	21688
Last Calibrated	5/31/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 49.3 mV
Temperature 25.42 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -124.6 mV
Temperature 24.41 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-288.9 mV
Temperature	23.78 °C

Slope and Offset 1

Slope	-57.97 mV/pH
Offset	-124.6 mV

Slope and Offset 2

Slope	-54.78 mV/pH
Offset	-124.6 mV

ORP

ORP Solution	ORP Standard
Offset	121.7 mV
Temperature	23.71 °C

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Locker</u>	Date: <u>6/2/23</u>	Time (Calibration): <u>9:26</u>	Time (Mid-Day Check): <u>10:25</u>
Asset ID: <u>789310</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>2068-0320</u>	
Project: <u>May 2023 LF Development</u>	Weather Conditions: <u>86°/63° sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				101.42	
Specific Conductance (µS/cm)	22250153 11/23	23.06	4490	4522.6	
pH (4)	22250153 11/23	23.34	4	4.02	
pH (7)	2216893 11/23	23.57	7	7.04	
pH (10)	21320202 12/23	23.79	10	10.09	
ORP (mV)	21390144 11/23	23.61	228	223.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.36	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.98	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.63	4	4.02	±0.15U	Yes	No	
Mid-Day pH (7) check	24.35	7	7.06	±0.15U	Yes	No	
Mid-Day pH (10) check	23.85	10	9.99	±0.15U	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 789310
Created 6/2/2023

Sensor RDO
Serial Number 878616
Last Calibrated 6/2/2023

Calibration Details

Slope 0.9851922
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.59 mg/L
Temperature 22.61 °C
Barometric Pressure 993.02 mbar

Sensor Conductivity

Serial Number 789310
Last Calibrated 6/2/2023

Calibration Details

Cell Constant 1.095
Reference Temperature 20.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor Level

Serial Number 787063
Last Calibrated Factory Defaults

Sensor pH/ORP

Serial Number 21174
Last Calibrated 6/2/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 66.3 mV
Temperature 23.34 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -106.3 mV
Temperature 23.57 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-269.8 mV
Temperature	23.79 °C

Slope and Offset 1

Slope	-57.53 mV/pH
Offset	-106.3 mV

Slope and Offset 2

Slope	-54.49 mV/pH
Offset	-106.3 mV

ORP

ORP Solution	ORP Standard
Offset	106.9 mV
Temperature	23.61 °C

Field Technician: Meredith Duncan	Date: 6/2/23	Time (Calibration): 0920	Time (Mid-day Check):
AguaTool SN: 893479	Turbidity Meter Type: lamotte	SN: 7042-3818	
Project: Bowen Dev.	Weather Conditions: 75° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cell)				101.58	
Specific Conductance (uS/cm)	22250153 11/23	23.11	4490	4591.7	
pH (4)	22250153 11/23	23.41	4	4.03	
pH (7)	2216893 11/23	23.45	7	7.01	
pH (10)	21320202 12/23	23.42	10	10.01	
ORP (mV)	21390144 11/23	23.21	228	230.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.07	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.31	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.11	4	4.01	±0.1 SU	Yes	No	
Mid-Day pH (7) check	24.31	7	6.99	±0.1 SU	Yes	No	
Mid-Day pH (10) check	24.21	10	10.02	±0.1 SU	Yes	No	

Calibration Report

Instrument Aqua TROLL 400
Serial Number 893479
Created 6/2/2023

Sensor	RDO
Serial Number	892164
Last Calibrated	6/2/2023

Calibration Details

Slope 0.9534565
Offset 0.00 mg/L

Calibration point 100%

Concentration 8.79 mg/L
Temperature 22.82 °C
Barometric Pressure 993.18 mbar

Sensor	Conductivity
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Serial Number	893479
Last Calibrated	6/2/2023

Calibration Details

Cell Constant 0.978
Reference Temperature 25.00 °C
TDS Conversion Factor (ppm) 0.65

Sensor	Level
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Serial Number	893796
Last Calibrated	Factory Defaults

Sensor	pH/ORP
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Serial Number	21688
Last Calibrated	6/2/2023

Calibration Details

Total Calibration Points 3

Calibration Point 1

pH of Buffer 4.00 pH
pH mV 47.1 mV
Temperature 23.44 °C

Calibration Point 2

pH of Buffer 7.00 pH
pH mV -124.9 mV
Temperature 23.45 °C

Calibration Point 3

pH of Buffer	10.00 pH
pH mV	-288.6 mV
Temperature	23.44 °C

Slope and Offset 1

Slope	-57.36 mV/pH
Offset	-124.9 mV

Slope and Offset 2

Slope	-54.54 mV/pH
Offset	-124.9 mV

ORP

ORP Solution	ORP Standard
Offset	119.3 mV
Temperature	23.22 °C

Low-Flow Test Report:

Test Date / Time: 5/31/2023 1:19:24 PM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.65 ft Total Depth: 66.65 ft Initial Depth to Water: 23.58 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 61.65 ft Estimated Total Volume Pumped: 10000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 378 L

Lowered pump rate to 200 mL/min at 12:00 to lower turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/31/2023 1:19 PM	00:00	7.40 pH	18.59 °C	209.86 µS/cm	4.99 mg/L	10.64 NTU	88.8 mV	23.58 ft	0.11 PSU	500.00 ml/min
5/31/2023 1:23 PM	04:00	7.62 pH	18.95 °C	209.38 µS/cm	5.00 mg/L	10.75 NTU	66.7 mV	23.58 ft	0.11 PSU	500.00 ml/min
5/31/2023 1:27 PM	08:00	7.76 pH	18.65 °C	208.62 µS/cm	4.97 mg/L	10.21 NTU	59.7 mV	23.58 ft	0.11 PSU	500.00 ml/min
5/31/2023 1:31 PM	12:00	7.82 pH	18.94 °C	210.04 µS/cm	5.04 mg/L	10.20 NTU	54.9 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:35 PM	16:00	7.82 pH	20.45 °C	211.96 µS/cm	5.00 mg/L	9.85 NTU	50.3 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:39 PM	20:00	7.85 pH	20.69 °C	210.35 µS/cm	4.92 mg/L	9.69 NTU	48.2 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:43 PM	24:00	7.87 pH	20.64 °C	210.56 µS/cm	4.92 mg/L	9.46 NTU	46.8 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:47 PM	28:00	7.89 pH	20.55 °C	210.40 µS/cm	4.87 mg/L	9.57 NTU	45.3 mV	23.58 ft	0.11 PSU	200.00 ml/min
5/31/2023 1:51 PM	32:00	7.90 pH	20.45 °C	210.51 µS/cm	4.91 mg/L	8.25 NTU	44.4 mV	23.58 ft	0.11 PSU	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 7/6/2023 12:35:38 PM

Project: Bowen LF GWA-33 Redevelopment July 2023

Operator Name: Meredith Duncan

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.69 ft Total Depth: 66.69 ft Initial Depth to Water: 24.05 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 61.69 ft Estimated Total Volume Pumped: 12200 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 140L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/6/2023 12:35 PM	00:00	7.54 pH	21.46 °C	209.24 µS/cm	5.16 mg/L	57.50 NTU	147.7 mV	24.05 ft	0.10 PSU	500.00 ml/min
7/6/2023 12:39 PM	04:00	7.69 pH	20.31 °C	214.56 µS/cm	5.20 mg/L	56.20 NTU	147.5 mV	24.05 ft	0.10 PSU	500.00 ml/min
7/6/2023 12:43 PM	08:00	7.75 pH	21.02 °C	215.78 µS/cm	5.05 mg/L	57.60 NTU	146.2 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:47 PM	12:00	7.73 pH	22.03 °C	217.02 µS/cm	4.95 mg/L	48.30 NTU	144.2 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:51 PM	16:00	7.69 pH	23.35 °C	216.61 µS/cm	4.96 mg/L	45.40 NTU	143.4 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:55 PM	20:00	7.67 pH	24.02 °C	216.23 µS/cm	4.99 mg/L	48.60 NTU	144.9 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 12:59 PM	24:00	7.67 pH	23.73 °C	216.40 µS/cm	4.77 mg/L	45.20 NTU	146.6 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 1:03 PM	28:00	7.65 pH	24.16 °C	216.23 µS/cm	4.71 mg/L	44.20 NTU	147.5 mV	24.05 ft	0.10 PSU	300.00 ml/min
7/6/2023 1:07 PM	32:00	7.64 pH	24.06 °C	215.52 µS/cm	4.69 mg/L	40.60 NTU	149.2 mV	24.05 ft	0.10 PSU	250.00 ml/min
7/6/2023 1:11 PM	36:00	7.62 pH	24.40 °C	216.28 µS/cm	4.68 mg/L	44.00 NTU	150.1 mV	24.05 ft	0.10 PSU	250.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/2/2023 9:56:35 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWA-33R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.73 ft Total Depth: 112.73 ft Initial Depth to Water: 23.46 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 107.73 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 429 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/2/2023 9:56 AM	00:00	7.44 pH	18.30 °C	253.03 µS/cm	3.78 mg/L	4.36 NTU	67.4 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:00 AM	04:00	7.46 pH	18.69 °C	250.91 µS/cm	3.69 mg/L	3.23 NTU	64.3 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:04 AM	08:00	7.49 pH	18.82 °C	249.85 µS/cm	3.60 mg/L	3.52 NTU	62.5 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:08 AM	12:00	7.49 pH	19.02 °C	249.33 µS/cm	3.57 mg/L	2.85 NTU	60.6 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:12 AM	16:00	7.50 pH	19.16 °C	249.35 µS/cm	3.52 mg/L	2.71 NTU	59.2 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:16 AM	20:00	7.50 pH	19.16 °C	249.21 µS/cm	3.49 mg/L	3.00 NTU	58.6 mV	23.56 ft	0.13 PSU	300.00 ml/min
6/2/2023 10:20 AM	24:00	7.52 pH	18.87 °C	248.42 µS/cm	3.46 mg/L	2.16 NTU	57.5 mV	23.56 ft	0.13 PSU	300.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/30/2023 1:48:12 PM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-34 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.41 ft Total Depth: 68.41 ft Initial Depth to Water: 19.8 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 63.41 ft Estimated Total Volume Pumped: 32000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1042L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/30/2023 1:48 PM	00:00	5.81 pH	18.73 °C	264.46 µS/cm	0.11 mg/L	11.92 NTU	30.5 mV	20.75 ft	400.00 ml/min
5/30/2023 1:52 PM	04:00	5.96 pH	18.58 °C	264.54 µS/cm	0.10 mg/L	9.56 NTU	31.3 mV	20.75 ft	400.00 ml/min
5/30/2023 1:56 PM	08:00	5.99 pH	18.97 °C	266.55 µS/cm	0.08 mg/L	12.06 NTU	28.6 mV	20.75 ft	400.00 ml/min
5/30/2023 2:00 PM	12:00	6.03 pH	18.93 °C	265.06 µS/cm	0.08 mg/L	14.50 NTU	29.6 mV	20.75 ft	400.00 ml/min
5/30/2023 2:04 PM	16:00	6.04 pH	19.07 °C	265.90 µS/cm	0.08 mg/L	14.30 NTU	26.7 mV	20.75 ft	400.00 ml/min
5/30/2023 2:08 PM	20:00	6.05 pH	19.15 °C	264.99 µS/cm	0.07 mg/L	10.42 NTU	26.4 mV	20.75 ft	400.00 ml/min
5/30/2023 2:12 PM	24:00	6.07 pH	19.22 °C	268.44 µS/cm	0.09 mg/L	11.50 NTU	24.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:16 PM	28:00	6.10 pH	18.53 °C	265.08 µS/cm	0.06 mg/L	10.01 NTU	27.3 mV	20.75 ft	400.00 ml/min
5/30/2023 2:20 PM	32:00	6.11 pH	19.00 °C	266.67 µS/cm	0.07 mg/L	8.46 NTU	24.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:24 PM	36:00	6.13 pH	18.58 °C	264.37 µS/cm	0.05 mg/L	8.45 NTU	25.8 mV	20.75 ft	400.00 ml/min
5/30/2023 2:28 PM	40:00	6.13 pH	19.09 °C	266.82 µS/cm	0.06 mg/L	7.76 NTU	21.7 mV	20.75 ft	400.00 ml/min
5/30/2023 2:32 PM	44:00	6.14 pH	18.99 °C	267.30 µS/cm	0.08 mg/L	6.25 NTU	22.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:36 PM	48:00	6.16 pH	18.94 °C	266.93 µS/cm	0.07 mg/L	9.03 NTU	22.0 mV	20.75 ft	400.00 ml/min
5/30/2023 2:40 PM	52:00	6.17 pH	19.02 °C	267.57 µS/cm	0.07 mg/L	4.62 NTU	20.3 mV	20.75 ft	400.00 ml/min
5/30/2023 2:44 PM	56:00	6.18 pH	18.89 °C	267.47 µS/cm	0.08 mg/L	3.93 NTU	20.0 mV	20.75 ft	400.00 ml/min

5/30/2023 2:48 PM	01:00:00	6.19 pH	18.74 °C	267.96 µS/cm	0.06 mg/L	4.38 NTU	20.7 mV	20.75 ft	400.00 ml/min
5/30/2023 2:52 PM	01:04:00	6.20 pH	18.67 °C	267.81 µS/cm	0.08 mg/L	4.60 NTU	19.9 mV	20.75 ft	400.00 ml/min
5/30/2023 2:56 PM	01:08:00	6.22 pH	18.49 °C	267.08 µS/cm	0.05 mg/L	3.91 NTU	20.4 mV	20.75 ft	400.00 ml/min
5/30/2023 3:00 PM	01:12:00	6.22 pH	18.58 °C	268.00 µS/cm	0.07 mg/L	4.37 NTU	18.9 mV	20.75 ft	400.00 ml/min
5/30/2023 3:04 PM	01:16:00	6.23 pH	18.40 °C	267.97 µS/cm	0.07 mg/L	3.64 NTU	18.6 mV	20.75 ft	400.00 ml/min
5/30/2023 3:08 PM	01:20:00	6.25 pH	18.18 °C	267.97 µS/cm	0.07 mg/L	3.20 NTU	19.6 mV	20.75 ft	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/31/2023 2:37:09 PM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-34R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 91.25 ft Total Depth: 101.25 ft Initial Depth to Water: 20.27 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 96.25 ft Estimated Total Volume Pumped: 30400 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 0.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 565L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/31/2023 2:37 PM	00:00	6.59 pH	17.86 °C	359.52 µS/cm	0.17 mg/L	11.30 NTU	48.5 mV	20.56 ft	400.00 ml/min
5/31/2023 2:41 PM	04:00	6.53 pH	17.71 °C	364.68 µS/cm	0.14 mg/L	11.98 NTU	53.0 mV	20.56 ft	400.00 ml/min
5/31/2023 2:45 PM	08:00	6.53 pH	17.77 °C	364.74 µS/cm	0.15 mg/L	11.67 NTU	53.2 mV	20.56 ft	400.00 ml/min
5/31/2023 2:49 PM	12:00	6.55 pH	17.51 °C	364.22 µS/cm	0.16 mg/L	11.06 NTU	53.8 mV	20.56 ft	400.00 ml/min
5/31/2023 2:53 PM	16:00	6.53 pH	17.73 °C	364.61 µS/cm	0.16 mg/L	10.38 NTU	53.4 mV	20.56 ft	400.00 ml/min
5/31/2023 2:57 PM	20:00	6.57 pH	17.54 °C	366.63 µS/cm	0.17 mg/L	9.01 NTU	52.0 mV	20.56 ft	400.00 ml/min
5/31/2023 3:01 PM	24:00	6.61 pH	17.49 °C	365.02 µS/cm	0.17 mg/L	9.20 NTU	51.8 mV	20.56 ft	400.00 ml/min
5/31/2023 3:05 PM	28:00	6.62 pH	17.33 °C	364.38 µS/cm	0.17 mg/L	8.24 NTU	52.1 mV	20.56 ft	400.00 ml/min
5/31/2023 3:09 PM	32:00	6.63 pH	17.30 °C	365.59 µS/cm	0.17 mg/L	8.49 NTU	51.0 mV	20.56 ft	400.00 ml/min
5/31/2023 3:13 PM	36:00	6.64 pH	17.68 °C	365.89 µS/cm	0.18 mg/L	7.35 NTU	48.6 mV	20.56 ft	400.00 ml/min
5/31/2023 3:17 PM	40:00	6.65 pH	17.82 °C	365.06 µS/cm	0.19 mg/L	8.33 NTU	47.6 mV	20.56 ft	400.00 ml/min
5/31/2023 3:21 PM	44:00	6.64 pH	17.91 °C	365.26 µS/cm	0.17 mg/L	7.74 NTU	45.6 mV	20.56 ft	400.00 ml/min
5/31/2023 3:25 PM	48:00	6.66 pH	17.60 °C	365.57 µS/cm	0.17 mg/L	7.30 NTU	47.7 mV	20.56 ft	400.00 ml/min
5/31/2023 3:29 PM	52:00	6.66 pH	17.73 °C	365.63 µS/cm	0.18 mg/L	6.30 NTU	46.4 mV	20.56 ft	400.00 ml/min
5/31/2023 3:33 PM	56:00	6.65 pH	17.90 °C	365.24 µS/cm	0.19 mg/L	6.41 NTU	46.0 mV	20.56 ft	400.00 ml/min

5/31/2023 3:37 PM	01:00:00	6.65 pH	17.89 °C	364.99 µS/cm	0.20 mg/L	6.30 NTU	45.7 mV	20.56 ft	400.00 ml/min
5/31/2023 3:41 PM	01:04:00	6.66 pH	17.66 °C	365.09 µS/cm	0.17 mg/L	5.70 NTU	46.4 mV	20.56 ft	400.00 ml/min
5/31/2023 3:45 PM	01:08:00	6.66 pH	17.63 °C	365.24 µS/cm	0.17 mg/L	5.63 NTU	46.5 mV	20.56 ft	400.00 ml/min
5/31/2023 3:49 PM	01:12:00	6.66 pH	17.51 °C	364.91 µS/cm	0.17 mg/L	5.04 NTU	45.3 mV	20.56 ft	400.00 ml/min
5/31/2023 3:53 PM	01:16:00	6.66 pH	17.46 °C	365.78 µS/cm	0.19 mg/L	4.99 NTU	45.7 mV	20.56 ft	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/4/2023 10:53:00 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-35 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.61 ft Total Depth: 68.61 ft Initial Depth to Water: 41.95 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 30000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1500 ml/min Final Draw Down: 2.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 182L

Grey water at beginning of development

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/4/2023 10:53 AM	00:00	7.20 pH	17.24 °C	533.99 µS/cm	1.71 mg/L	1.93 NTU	92.2 mV	44.89 ft	1.50 l/min
5/4/2023 10:57 AM	04:00	7.19 pH	17.24 °C	529.42 µS/cm	1.65 mg/L	1.97 NTU	87.4 mV	44.92 ft	1.50 l/min
5/4/2023 11:01 AM	08:00	7.18 pH	17.23 °C	528.94 µS/cm	1.72 mg/L	1.73 NTU	87.3 mV	44.91 ft	1.50 l/min
5/4/2023 11:05 AM	12:00	7.18 pH	17.16 °C	529.27 µS/cm	1.66 mg/L	1.52 NTU	87.7 mV	44.91 ft	1.50 l/min
5/4/2023 11:09 AM	16:00	7.17 pH	17.17 °C	529.24 µS/cm	1.60 mg/L	1.62 NTU	88.2 mV	44.90 ft	1.50 l/min
5/4/2023 11:13 AM	20:00	7.17 pH	17.17 °C	529.65 µS/cm	1.71 mg/L	1.52 NTU	89.0 mV	44.90 ft	1.50 l/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/2/2023 9:36:00 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWA-57 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.13 ft Total Depth: 81.13 ft Initial Depth to Water: 22.91 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 76.13 ft Estimated Total Volume Pumped: 44800 ml Flow Cell Volume: 90 ml Final Flow Rate: 800 ml/min Final Draw Down: 1.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 882L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/2/2023 9:36 AM	00:00	7.43 pH	20.14 °C	314.21 µS/cm	1.02 mg/L	7.01 NTU	190.7 mV	24.41 ft	800.00 ml/min
6/2/2023 9:40 AM	04:00	7.44 pH	17.77 °C	326.80 µS/cm	0.17 mg/L	4.94 NTU	121.1 mV	24.41 ft	800.00 ml/min
6/2/2023 9:44 AM	08:00	7.46 pH	17.72 °C	326.99 µS/cm	0.16 mg/L	4.91 NTU	101.6 mV	24.41 ft	800.00 ml/min
6/2/2023 9:48 AM	12:00	7.46 pH	17.67 °C	328.18 µS/cm	0.16 mg/L	5.04 NTU	93.9 mV	24.41 ft	800.00 ml/min
6/2/2023 9:52 AM	16:00	7.46 pH	17.60 °C	329.12 µS/cm	0.16 mg/L	5.00 NTU	91.0 mV	24.41 ft	800.00 ml/min
6/2/2023 9:56 AM	20:00	7.47 pH	17.64 °C	328.61 µS/cm	0.16 mg/L	7.66 NTU	89.0 mV	24.41 ft	800.00 ml/min
6/2/2023 10:00 AM	24:00	7.47 pH	17.64 °C	328.64 µS/cm	0.16 mg/L	8.49 NTU	87.6 mV	24.41 ft	800.00 ml/min
6/2/2023 10:04 AM	28:00	7.47 pH	17.91 °C	327.71 µS/cm	0.16 mg/L	7.46 NTU	87.4 mV	24.41 ft	800.00 ml/min
6/2/2023 10:08 AM	32:00	7.46 pH	18.09 °C	328.74 µS/cm	0.12 mg/L	7.32 NTU	86.8 mV	24.41 ft	800.00 ml/min
6/2/2023 10:12 AM	36:00	7.46 pH	18.20 °C	327.83 µS/cm	0.09 mg/L	6.98 NTU	86.0 mV	24.41 ft	800.00 ml/min
6/2/2023 10:16 AM	40:00	7.46 pH	18.13 °C	328.24 µS/cm	0.09 mg/L	6.14 NTU	85.6 mV	24.41 ft	800.00 ml/min
6/2/2023 10:20 AM	44:00	7.46 pH	18.12 °C	328.36 µS/cm	0.10 mg/L	6.07 NTU	85.5 mV	24.41 ft	800.00 ml/min
6/2/2023 10:24 AM	48:00	7.46 pH	18.22 °C	327.51 µS/cm	0.09 mg/L	6.19 NTU	86.0 mV	24.41 ft	800.00 ml/min
6/2/2023 10:28 AM	52:00	7.45 pH	18.38 °C	328.04 µS/cm	0.08 mg/L	6.42 NTU	86.2 mV	24.41 ft	800.00 ml/min
6/2/2023 10:32 AM	56:00	7.45 pH	18.62 °C	327.49 µS/cm	0.05 mg/L	6.00 NTU	85.1 mV	24.41 ft	800.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/4/2023 11:48:42 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-26 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.81 ft Total Depth: 41.81 ft Initial Depth to Water: 22.44 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 36.81 ft Estimated Total Volume Pumped: 40000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 0.16 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 308 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/4/2023 11:48 AM	00:00	7.14 pH	18.35 °C	410.77 µS/cm	4.20 mg/L	7.36 NTU	84.9 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 11:52 AM	04:00	7.14 pH	18.30 °C	410.76 µS/cm	4.14 mg/L	5.82 NTU	72.2 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 11:56 AM	08:00	7.14 pH	18.41 °C	409.51 µS/cm	4.18 mg/L	6.37 NTU	68.6 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:00 PM	12:00	7.15 pH	18.43 °C	410.67 µS/cm	4.18 mg/L	5.41 NTU	66.2 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:04 PM	16:00	7.15 pH	18.39 °C	410.30 µS/cm	4.18 mg/L	4.71 NTU	65.0 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:08 PM	20:00	7.16 pH	18.48 °C	409.39 µS/cm	4.15 mg/L	3.78 NTU	64.2 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:12 PM	24:00	7.15 pH	18.58 °C	410.82 µS/cm	4.18 mg/L	3.47 NTU	63.8 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:16 PM	28:00	7.17 pH	18.53 °C	410.20 µS/cm	4.17 mg/L	3.09 NTU	62.9 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:20 PM	32:00	7.17 pH	18.55 °C	410.80 µS/cm	4.19 mg/L	2.73 NTU	62.6 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:24 PM	36:00	7.17 pH	18.63 °C	409.97 µS/cm	4.11 mg/L	2.75 NTU	62.4 mV	22.60 ft	0.20 PSU	1,000.00 ml/min
5/4/2023 12:28 PM	40:00	7.16 pH	18.79 °C	410.38 µS/cm	4.14 mg/L	2.24 NTU	62.6 mV	22.60 ft	0.20 PSU	1,000.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/10/2023 2:09:26 PM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 35.43 ft Total Depth: 45.43 ft Initial Depth to Water: 22.96 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 40.43 ft Estimated Total Volume Pumped: 16800 ml Flow Cell Volume: 90 ml Final Flow Rate: 300 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 333 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/10/2023 2:09 PM	00:00	7.09 pH	21.09 °C	544.99 µS/cm	4.08 mg/L	8.56 NTU	78.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:13 PM	04:00	7.08 pH	21.00 °C	549.96 µS/cm	4.06 mg/L	8.37 NTU	75.4 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:17 PM	08:00	7.07 pH	20.87 °C	556.45 µS/cm	4.03 mg/L	7.00 NTU	74.7 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:21 PM	12:00	7.06 pH	21.09 °C	548.72 µS/cm	4.10 mg/L	8.67 NTU	73.1 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:25 PM	16:00	7.06 pH	21.09 °C	546.04 µS/cm	4.10 mg/L	8.07 NTU	72.4 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:29 PM	20:00	7.07 pH	20.96 °C	548.42 µS/cm	4.06 mg/L	7.78 NTU	72.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:33 PM	24:00	7.07 pH	20.65 °C	545.95 µS/cm	4.06 mg/L	7.18 NTU	72.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:37 PM	28:00	7.06 pH	20.42 °C	551.97 µS/cm	4.09 mg/L	6.66 NTU	72.7 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:41 PM	32:00	7.06 pH	20.20 °C	555.27 µS/cm	4.03 mg/L	5.63 NTU	73.0 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:45 PM	36:00	7.06 pH	20.20 °C	549.93 µS/cm	4.09 mg/L	6.24 NTU	72.5 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:49 PM	40:00	7.05 pH	20.31 °C	551.40 µS/cm	4.07 mg/L	5.81 NTU	72.4 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:53 PM	44:00	7.05 pH	20.11 °C	554.97 µS/cm	4.06 mg/L	5.46 NTU	72.9 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 2:57 PM	48:00	7.04 pH	19.89 °C	558.62 µS/cm	4.04 mg/L	4.48 NTU	73.3 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 3:01 PM	52:00	7.04 pH	20.02 °C	559.12 µS/cm	4.06 mg/L	4.31 NTU	73.0 mV	23.09 ft	0.27 PSU	300.00 ml/min
5/10/2023 3:05 PM	56:00	7.04 pH	19.79 °C	557.11 µS/cm	4.04 mg/L	4.47 NTU	73.4 mV	23.09 ft	0.27 PSU	300.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 5/22/2023 2:14:38 PM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-27R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.3 ft Total Depth: 92.3 ft Initial Depth to Water: 23.86 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 87.3 ft Estimated Total Volume Pumped: 80000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 7.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 392L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/22/2023 2:14 PM	00:00	7.55 pH	17.64 °C	300.55 µS/cm	6.65 mg/L	10.49 NTU	141.1 mV	30.30 ft	1,000.00 ml/min
5/22/2023 2:18 PM	04:00	7.61 pH	17.68 °C	301.01 µS/cm	6.64 mg/L	9.57 NTU	139.8 mV	30.51 ft	1,000.00 ml/min
5/22/2023 2:22 PM	08:00	7.62 pH	17.55 °C	301.99 µS/cm	6.64 mg/L	6.56 NTU	139.9 mV	30.55 ft	1,000.00 ml/min
5/22/2023 2:26 PM	12:00	7.60 pH	17.64 °C	301.42 µS/cm	6.64 mg/L	5.49 NTU	140.4 mV	30.60 ft	1,000.00 ml/min
5/22/2023 2:30 PM	16:00	7.61 pH	17.54 °C	301.59 µS/cm	6.67 mg/L	4.89 NTU	140.4 mV	30.65 ft	1,000.00 ml/min
5/22/2023 2:34 PM	20:00	7.64 pH	17.55 °C	301.59 µS/cm	6.67 mg/L	4.97 NTU	140.0 mV	30.70 ft	1,000.00 ml/min
5/22/2023 2:38 PM	24:00	7.65 pH	17.53 °C	301.47 µS/cm	6.66 mg/L	4.20 NTU	140.3 mV	30.73 ft	1,000.00 ml/min
5/22/2023 2:42 PM	28:00	7.65 pH	17.55 °C	301.70 µS/cm	6.66 mg/L	5.75 NTU	140.5 mV	30.76 ft	1,000.00 ml/min
5/22/2023 2:46 PM	32:00	7.65 pH	17.55 °C	301.71 µS/cm	6.65 mg/L	5.48 NTU	140.4 mV	30.81 ft	1,000.00 ml/min
5/22/2023 2:50 PM	36:00	7.64 pH	17.64 °C	301.67 µS/cm	6.65 mg/L	5.07 NTU	140.6 mV	30.83 ft	1,000.00 ml/min
5/22/2023 2:54 PM	40:00	7.63 pH	17.59 °C	301.60 µS/cm	6.62 mg/L	3.97 NTU	140.8 mV	30.85 ft	1,000.00 ml/min
5/22/2023 2:58 PM	44:00	7.63 pH	17.54 °C	301.97 µS/cm	6.63 mg/L	3.98 NTU	141.0 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:02 PM	48:00	7.61 pH	17.48 °C	301.56 µS/cm	6.61 mg/L	3.65 NTU	141.5 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:06 PM	52:00	7.60 pH	17.56 °C	301.88 µS/cm	6.61 mg/L	3.47 NTU	141.6 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:10 PM	56:00	7.60 pH	17.44 °C	301.87 µS/cm	6.62 mg/L	3.78 NTU	141.6 mV	30.89 ft	1,000.00 ml/min

5/22/2023 3:14 PM	01:00:00	7.60 pH	17.42 °C	301.68 µS/cm	6.61 mg/L	3.86 NTU	141.7 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:18 PM	01:04:00	7.59 pH	17.35 °C	301.73 µS/cm	6.62 mg/L	3.82 NTU	141.9 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:22 PM	01:08:00	7.59 pH	17.31 °C	301.76 µS/cm	6.62 mg/L	3.49 NTU	141.8 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:26 PM	01:12:00	7.59 pH	17.41 °C	301.75 µS/cm	6.61 mg/L	3.90 NTU	142.1 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:30 PM	01:16:00	7.58 pH	17.46 °C	301.36 µS/cm	6.60 mg/L	3.09 NTU	141.8 mV	30.89 ft	1,000.00 ml/min
5/22/2023 3:34 PM	01:20:00	7.59 pH	17.41 °C	302.21 µS/cm	6.62 mg/L	2.79 NTU	141.7 mV	30.89 ft	1,000.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/10/2023 9:56:12 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-28 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.31 ft Total Depth: 47.31 ft Initial Depth to Water: 22.35 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 5.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 175L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/10/2023 9:56 AM	00:00	7.39 pH	17.64 °C	259.82 µS/cm	7.02 mg/L	2.58 NTU	159.1 mV	27.80 ft	250.00 ml/min
5/10/2023 10:00 AM	04:00	7.45 pH	17.46 °C	259.63 µS/cm	7.08 mg/L	1.74 NTU	144.5 mV	28.00 ft	250.00 ml/min
5/10/2023 10:04 AM	08:00	7.47 pH	17.57 °C	260.07 µS/cm	7.23 mg/L	1.16 NTU	140.3 mV	28.15 ft	250.00 ml/min
5/10/2023 10:08 AM	12:00	7.49 pH	17.66 °C	260.20 µS/cm	7.32 mg/L	1.74 NTU	137.9 mV	28.23 ft	250.00 ml/min
5/10/2023 10:12 AM	16:00	7.49 pH	17.70 °C	261.41 µS/cm	7.36 mg/L	1.92 NTU	137.9 mV	28.27 ft	250.00 ml/min
5/10/2023 10:16 AM	20:00	7.49 pH	18.06 °C	261.56 µS/cm	7.60 mg/L	1.73 NTU	137.9 mV	28.28 ft	250.00 ml/min
5/10/2023 10:20 AM	24:00	7.50 pH	17.71 °C	262.22 µS/cm	7.66 mg/L	1.39 NTU	137.4 mV	28.30 ft	250.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/24/2023 9:27:48 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.69 ft Total Depth: 61.69 ft Initial Depth to Water: 27.31 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 56.69 ft Estimated Total Volume Pumped: 24000 ml Flow Cell Volume: 90 ml Final Flow Rate: 1000 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 772 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/24/2023 9:27 AM	00:00	7.21 pH	16.23 °C	303.73 µS/cm	4.33 mg/L	4.05 NTU	69.9 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:31 AM	04:00	7.20 pH	16.23 °C	304.43 µS/cm	4.45 mg/L	2.77 NTU	67.4 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:35 AM	08:00	7.21 pH	16.25 °C	303.39 µS/cm	4.39 mg/L	1.80 NTU	66.0 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:39 AM	12:00	7.21 pH	16.27 °C	298.14 µS/cm	4.39 mg/L	1.33 NTU	65.3 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:43 AM	16:00	7.22 pH	16.27 °C	304.52 µS/cm	4.36 mg/L	0.89 NTU	65.0 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:47 AM	20:00	7.22 pH	16.27 °C	304.99 µS/cm	4.36 mg/L	0.76 NTU	64.5 mV	27.49 ft	0.16 PSU	1,000.00 ml/min
5/24/2023 9:51 AM	24:00	7.22 pH	16.27 °C	304.98 µS/cm	4.33 mg/L	0.41 NTU	63.9 mV	27.49 ft	0.16 PSU	1,000.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/30/2023 2:48:12 PM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 27.83 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 6400 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 45.16 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 119 L

Drawdown did not stabilize but all other criteria stable.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/30/2023 2:48 PM	00:00	7.48 pH	22.34 °C	317.46 µS/cm	4.48 mg/L	2.57 NTU	37.7 mV	66.22 ft	0.17 PSU	200.00 ml/min
5/30/2023 2:52 PM	04:00	7.48 pH	21.27 °C	319.61 µS/cm	5.01 mg/L	2.47 NTU	37.7 mV	67.06 ft	0.17 PSU	200.00 ml/min
5/30/2023 2:56 PM	08:00	7.50 pH	21.08 °C	326.38 µS/cm	5.14 mg/L	1.93 NTU	40.6 mV	68.08 ft	0.17 PSU	200.00 ml/min
5/30/2023 3:00 PM	12:00	7.50 pH	21.29 °C	335.45 µS/cm	5.16 mg/L	1.40 NTU	40.6 mV	69.18 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:04 PM	16:00	7.49 pH	22.05 °C	337.08 µS/cm	5.15 mg/L	1.31 NTU	39.2 mV	70.09 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:08 PM	20:00	7.49 pH	22.25 °C	336.57 µS/cm	5.16 mg/L	0.96 NTU	39.1 mV	70.92 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:12 PM	24:00	7.48 pH	23.06 °C	334.34 µS/cm	4.93 mg/L	0.83 NTU	37.3 mV	71.64 ft	0.18 PSU	200.00 ml/min
5/30/2023 3:16 PM	28:00	7.47 pH	23.07 °C	328.27 µS/cm	4.75 mg/L	0.60 NTU	37.7 mV	72.40 ft	0.17 PSU	200.00 ml/min
5/30/2023 3:20 PM	32:00	7.45 pH	23.86 °C	331.14 µS/cm	4.66 mg/L	0.66 NTU	37.5 mV	72.99 ft	0.18 PSU	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/17/2023 9:43:58 AM

Project: Plant Bowen LF Development May 2023

Operator Name: William Laaker

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 32.68 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 50 ft Estimated Total Volume Pumped: 7040 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 8.41 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 166 L

Drawdown did not stabilize. DTW dropped below screen interval with stable criteria and low turbidity. Development complete.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
5/17/2023 9:43 AM	00:00	7.17 pH	19.16 °C	292.12 µS/cm	8.49 mg/L	0.21 NTU	71.8 mV	36.69 ft	0.16 PSU	110.00 ml/min
5/17/2023 9:47 AM	04:00	7.17 pH	19.09 °C	290.27 µS/cm	8.39 mg/L	0.39 NTU	70.9 mV	36.94 ft	0.15 PSU	110.00 ml/min
5/17/2023 9:51 AM	08:00	7.16 pH	19.17 °C	290.22 µS/cm	8.33 mg/L	1.14 NTU	70.5 mV	37.30 ft	0.15 PSU	110.00 ml/min
5/17/2023 9:55 AM	12:00	7.16 pH	19.31 °C	290.16 µS/cm	8.31 mg/L	1.56 NTU	70.9 mV	37.57 ft	0.15 PSU	110.00 ml/min
5/17/2023 9:59 AM	16:00	7.16 pH	19.22 °C	288.99 µS/cm	8.16 mg/L	1.70 NTU	69.8 mV	37.86 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:03 AM	20:00	7.16 pH	19.03 °C	288.86 µS/cm	8.16 mg/L	1.82 NTU	70.0 mV	38.25 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:07 AM	24:00	7.15 pH	19.25 °C	290.00 µS/cm	8.15 mg/L	1.87 NTU	70.1 mV	38.50 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:11 AM	28:00	7.16 pH	19.47 °C	288.56 µS/cm	8.07 mg/L	1.89 NTU	70.0 mV	38.75 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:15 AM	32:00	7.16 pH	19.29 °C	289.38 µS/cm	8.11 mg/L	1.51 NTU	69.6 mV	39.05 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:19 AM	36:00	7.16 pH	19.26 °C	289.61 µS/cm	8.10 mg/L	1.43 NTU	69.9 mV	39.32 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:23 AM	40:00	7.17 pH	19.11 °C	288.23 µS/cm	8.02 mg/L	1.15 NTU	70.4 mV	39.61 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:27 AM	44:00	7.17 pH	19.05 °C	289.40 µS/cm	8.06 mg/L	1.37 NTU	70.4 mV	39.91 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:31 AM	48:00	7.16 pH	19.24 °C	289.76 µS/cm	8.03 mg/L	0.61 NTU	69.9 mV	40.17 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:35 AM	52:00	7.17 pH	19.13 °C	288.72 µS/cm	7.94 mg/L	0.52 NTU	70.4 mV	40.48 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:39 AM	56:00	7.17 pH	19.13 °C	289.23 µS/cm	7.96 mg/L	0.07 NTU	70.5 mV	40.75 ft	0.15 PSU	110.00 ml/min

5/17/2023 10:43 AM	01:00:00	7.16 pH	19.38 °C	289.62 μS/cm	7.94 mg/L	0.78 NTU	70.6 mV	40.96 ft	0.15 PSU	110.00 ml/min
5/17/2023 10:47 AM	01:04:00	7.16 pH	19.84 °C	290.22 μS/cm	7.89 mg/L	0.82 NTU	69.7 mV	41.09 ft	0.15 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/12/2023 10:57:53 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.18 ft Total Depth: 70.18 ft Initial Depth to Water: 30.5 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 38.05 ft Estimated Total Volume Pumped: 34000 ml Flow Cell Volume: 90 ml Final Flow Rate: 500 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 546L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/12/2023 10:57 AM	00:00	7.30 pH	20.46 °C	357.72 µS/cm	4.57 mg/L	10.86 NTU	204.5 mV	30.60 ft	500.00 ml/min
5/12/2023 11:01 AM	04:00	7.14 pH	17.51 °C	331.88 µS/cm	1.86 mg/L	9.43 NTU	151.5 mV	30.60 ft	500.00 ml/min
5/12/2023 11:05 AM	08:00	7.10 pH	17.54 °C	332.83 µS/cm	1.83 mg/L	10.61 NTU	131.9 mV	30.60 ft	500.00 ml/min
5/12/2023 11:09 AM	12:00	7.09 pH	17.58 °C	333.23 µS/cm	1.86 mg/L	9.43 NTU	125.3 mV	30.60 ft	500.00 ml/min
5/12/2023 11:13 AM	16:00	7.08 pH	17.53 °C	333.28 µS/cm	1.85 mg/L	9.31 NTU	122.8 mV	30.60 ft	500.00 ml/min
5/12/2023 11:17 AM	20:00	7.07 pH	17.52 °C	332.74 µS/cm	1.85 mg/L	7.56 NTU	122.0 mV	30.60 ft	500.00 ml/min
5/12/2023 11:21 AM	24:00	7.07 pH	17.49 °C	332.88 µS/cm	1.86 mg/L	5.79 NTU	121.2 mV	30.60 ft	500.00 ml/min
5/12/2023 11:25 AM	28:00	7.06 pH	17.55 °C	332.65 µS/cm	1.88 mg/L	4.83 NTU	120.8 mV	30.60 ft	500.00 ml/min
5/12/2023 11:29 AM	32:00	7.07 pH	17.56 °C	333.19 µS/cm	1.87 mg/L	5.55 NTU	120.3 mV	30.60 ft	500.00 ml/min
5/12/2023 11:33 AM	36:00	7.06 pH	17.77 °C	333.39 µS/cm	1.87 mg/L	4.18 NTU	120.2 mV	30.60 ft	500.00 ml/min
5/12/2023 11:37 AM	40:00	7.06 pH	18.00 °C	334.25 µS/cm	1.86 mg/L	3.57 NTU	120.5 mV	30.60 ft	500.00 ml/min
5/12/2023 11:41 AM	44:00	7.06 pH	17.97 °C	333.34 µS/cm	1.86 mg/L	3.91 NTU	121.1 mV	30.60 ft	500.00 ml/min
5/12/2023 11:45 AM	48:00	7.06 pH	18.00 °C	334.10 µS/cm	1.84 mg/L	3.06 NTU	121.0 mV	30.60 ft	500.00 ml/min
5/12/2023 11:49 AM	52:00	7.07 pH	17.94 °C	333.65 µS/cm	1.85 mg/L	2.67 NTU	121.3 mV	30.60 ft	500.00 ml/min
5/12/2023 11:53 AM	56:00	7.07 pH	17.87 °C	333.78 µS/cm	1.87 mg/L	2.69 NTU	121.9 mV	30.60 ft	500.00 ml/min

5/12/2023 11:57 AM	01:00:00	7.07 pH	17.92 °C	333.98 µS/cm	1.86 mg/L	2.93 NTU	121.9 mV	30.60 ft	500.00 ml/min
5/12/2023 12:01 PM	01:04:00	7.07 pH	18.09 °C	334.17 µS/cm	1.85 mg/L	2.48 NTU	122.3 mV	30.60 ft	500.00 ml/min
5/12/2023 12:05 PM	01:08:00	7.07 pH	18.09 °C	334.10 µS/cm	1.87 mg/L	2.40 NTU	123.0 mV	30.60 ft	500.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/17/2023 9:50:43 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-31R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.89 ft Total Depth: 108.89 ft Initial Depth to Water: 30.92 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 103.89 ft Estimated Total Volume Pumped: 54000 ml Flow Cell Volume: 90 ml Final Flow Rate: 750 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 868L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/17/2023 9:50 AM	00:00	7.19 pH	19.62 °C	290.80 µS/cm	3.26 mg/L	6.34 NTU	187.8 mV	30.94 ft	750.00 ml/min
5/17/2023 9:54 AM	04:00	7.22 pH	17.55 °C	300.01 µS/cm	3.09 mg/L	5.50 NTU	159.8 mV	30.94 ft	750.00 ml/min
5/17/2023 9:58 AM	08:00	7.20 pH	17.42 °C	300.15 µS/cm	3.11 mg/L	3.33 NTU	148.5 mV	30.94 ft	750.00 ml/min
5/17/2023 10:02 AM	12:00	7.18 pH	17.49 °C	299.91 µS/cm	3.14 mg/L	3.07 NTU	142.2 mV	30.94 ft	750.00 ml/min
5/17/2023 10:06 AM	16:00	7.17 pH	17.46 °C	300.01 µS/cm	3.12 mg/L	2.94 NTU	138.9 mV	30.94 ft	750.00 ml/min
5/17/2023 10:10 AM	20:00	7.18 pH	17.51 °C	299.72 µS/cm	3.18 mg/L	2.77 NTU	136.6 mV	30.94 ft	750.00 ml/min
5/17/2023 10:14 AM	24:00	7.17 pH	17.46 °C	299.38 µS/cm	3.19 mg/L	2.84 NTU	135.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:18 AM	28:00	7.17 pH	17.42 °C	299.14 µS/cm	3.21 mg/L	2.68 NTU	133.8 mV	30.94 ft	750.00 ml/min
5/17/2023 10:22 AM	32:00	7.16 pH	17.38 °C	299.21 µS/cm	3.23 mg/L	2.81 NTU	133.0 mV	30.94 ft	750.00 ml/min
5/17/2023 10:26 AM	36:00	7.16 pH	17.42 °C	299.19 µS/cm	3.26 mg/L	2.59 NTU	132.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:30 AM	40:00	7.16 pH	17.44 °C	299.11 µS/cm	3.22 mg/L	3.17 NTU	131.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:34 AM	44:00	7.16 pH	17.46 °C	299.14 µS/cm	3.29 mg/L	3.36 NTU	130.6 mV	30.94 ft	750.00 ml/min
5/17/2023 10:38 AM	48:00	7.16 pH	17.46 °C	298.64 µS/cm	3.24 mg/L	2.75 NTU	130.1 mV	30.94 ft	750.00 ml/min
5/17/2023 10:42 AM	52:00	7.16 pH	17.46 °C	298.70 µS/cm	3.30 mg/L	3.05 NTU	129.6 mV	30.94 ft	750.00 ml/min
5/17/2023 10:46 AM	56:00	7.16 pH	17.60 °C	298.87 µS/cm	3.24 mg/L	3.52 NTU	129.3 mV	30.94 ft	750.00 ml/min

5/17/2023 10:50 AM	01:00:00	7.15 pH	17.77 °C	299.55 µS/cm	3.31 mg/L	2.38 NTU	129.0 mV	30.94 ft	750.00 ml/min
5/17/2023 10:54 AM	01:04:00	7.16 pH	17.82 °C	299.06 µS/cm	3.32 mg/L	2.54 NTU	128.8 mV	30.94 ft	750.00 ml/min
5/17/2023 10:58 AM	01:08:00	7.16 pH	17.76 °C	298.26 µS/cm	3.34 mg/L	2.30 NTU	129.0 mV	30.94 ft	750.00 ml/min
5/17/2023 11:02 AM	01:12:00	7.15 pH	17.63 °C	299.23 µS/cm	3.36 mg/L	2.28 NTU	129.1 mV	30.94 ft	750.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 5/24/2023 10:45:28 AM

Project: Plant Bowen LF Development May 2023

Operator Name: Meredith Duncan

Location Name: GWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.43 ft Total Depth: 62.43 ft Initial Depth to Water: 39.86 ft	Pump Type: GeoTech Reclaimer Tubing Type: LDPE Pump Intake From TOC: 57.43 ft Estimated Total Volume Pumped: 7000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 8.67 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 93L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
5/24/2023 10:45 AM	00:00	7.20 pH	31.42 °C	362.19 µS/cm	5.87 mg/L	11.89 NTU	138.6 mV	48.21 ft	250.00 ml/min
5/24/2023 10:49 AM	04:00	7.08 pH	22.59 °C	387.04 µS/cm	6.04 mg/L	7.07 NTU	133.0 mV	48.34 ft	250.00 ml/min
5/24/2023 10:53 AM	08:00	7.04 pH	21.91 °C	388.09 µS/cm	6.16 mg/L	4.47 NTU	134.2 mV	48.47 ft	250.00 ml/min
5/24/2023 10:57 AM	12:00	7.01 pH	22.22 °C	388.54 µS/cm	6.09 mg/L	3.05 NTU	134.9 mV	48.50 ft	250.00 ml/min
5/24/2023 11:01 AM	16:00	6.99 pH	22.26 °C	386.86 µS/cm	6.05 mg/L	3.60 NTU	136.3 mV	48.51 ft	250.00 ml/min
5/24/2023 11:05 AM	20:00	6.98 pH	22.41 °C	386.99 µS/cm	6.08 mg/L	3.86 NTU	137.8 mV	48.53 ft	250.00 ml/min
5/24/2023 11:09 AM	24:00	6.97 pH	22.46 °C	386.66 µS/cm	6.06 mg/L	3.43 NTU	138.3 mV	48.53 ft	250.00 ml/min
5/24/2023 11:13 AM	28:00	6.96 pH	22.74 °C	387.87 µS/cm	6.05 mg/L	2.93 NTU	147.5 mV	48.53 ft	250.00 ml/min

Samples

Sample ID:	Description:
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APPENDIX E
CERTIFIED WELL SURVEY

Metro Engineering & Surveying Co., Inc.
 Plant Bowen-Euharlee, GA.
 Monitoring Well Survey Data
 June 13, 2023
 MES Job No.: 15476

Well ID	Latitude	Longitude	Casing Northing	Casing Easting	Top of Casing Elevation (PVC)	Nail on Pad Northing	Nail on Pad Easting	Nail on Pad Elevation	Ground Elevation (Rebar)
GWC26	N34.138443	W84.897943	1506231.7	2075314.3	676.28	1506231.0	2075314.1	673.28	673.15
GWC27	N34.137919	W84.897363	1506039.7	2075488.4	675.85	1506039.0	2075487.8	673.20	673.21
GWC27R	N34.137872	W84.897296	1506022.3	2075508.5	676.17	1506021.4	2075507.9	673.13	673.29
GWC28	N34.137270	W84.896520	1505801.7	2075741.9	675.30	1505801.1	2075741.4	672.89	672.82
GWC29	N34.136471	W84.896086	1505509.8	2075871.2	679.29	1505509.2	2075871.4	676.33	676.13
GWC29R	N34.136405	W84.896094	1505485.9	2075868.3	679.12	1505485.0	2075868.5	676.34	676.22
GWC30	N34.135636	W84.896143	1505206.2	2075851.5	685.00	1505205.9	2075852.4	682.20	681.86
GWC31	N34.134870	W84.896251	1504927.6	2075816.9	683.13	1504927.5	2075817.5	680.34	680.20
GWC31R	N34.134941	W84.896243	1504953.4	2075819.5	683.09	1504953.0	2075820.5	680.22	680.18
GWC32	N34.133989	W84.896452	1504607.5	2075753.7	692.18	1504606.3	2075753.8	689.20	688.93
GWA33	N34.133244	W84.898594	1504341.0	2075103.7	675.48	1504341.8	2075104.0	672.75	672.57
GWA33R	N34.133252	W84.898678	1504344.0	2075078.2	675.20	1504345.1	2075078.4	672.21	672.13
GWA34	N34.133357	W84.900917	1504387.1	2074401.0	673.25	1504388.0	2074401.3	670.57	670.19
GWA34R	N34.133387	W84.900992	1504398.3	2074378.3	672.95	1504399.0	2074378.3	670.46	670.24
GWA35	N34.134194	W84.902100	1504694.2	2074045.1	696.66	1504694.6	2074044.7	693.79	693.83
GWA57	N34.133192	W84.899584	1504324.3	2074803.9	675.07	1504325.5	2074804.0	672.14	672.06

Benchmarks	Latitude	Longitude	Northing	Easting	Elevation	Description
GWC-24R	N34.139704	W84.899635	1506694.0	2074805.7	673.94	Nail on Pad
GWA-36RA	N34.135187	W84.904354	1505060.8	2073365.8	682.50	Nail on Pad



Survey Data Certification for Southern Company to determine the northing, easting and vertical elevation of the nail in the concrete pad & the top of the PVC well casing.

Date of field survey: June 7, 2023 thru June 9, 2023.

Field survey positional tolerance: 0.5 feet horizontal-NAD83(2011), 0.01 feet vertical-NAVD88.

Equipment used for horizontal location: Leica GS16 (Base Unit) and Leica GS18T (Rover Unit).

The vertical location of each well was established based upon level runs with a digital level loop from nails on concrete pads of existing wells established by others (GWC-24R Nail on pad elev.= 673.94 and GWA-36RA Nail on pad elev.=682.50) using a Leica DNA10 digital level.

APPENDIX C
MEMORANDA ON HYDROGEOLOGIC
MONITORING PROGRAM

To:	Kristen Jurinko, P.G. Southern Company Services, Inc.	From:	Andrew Stevens, P.G. Stantec Consulting Services Inc.
File:	Hydrogeological Monitoring Memo	Date:	June 30, 2023

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) -Hydrogeological Monitoring Program December 12, 2022, through June 6, 2023

Background

Stantec Consulting Services Inc. (Stantec) was retained by Southern Company Services, Inc. (SCS), to assist with the hydrogeological (water level) monitoring program at Georgia Power Company's Plant Bowen (Site) Landfill Cells 1 & 2, 3 & 4, 9 & 10. The work is being conducted to comply with Georgia Department of Natural Resources Environmental Protection Division (GA EPD) Solid Waste Permit No. 008-018D (CCR) to assist with early detection of subsurface changes that might indicate land subsidence or sinkhole formation. Groundwater level fluctuations are monitored in accordance with 2022 CCR Permit Groundwater Monitoring Plan.

The Site utilizes In-Situ[®] Inc telemetry and reporting software and pressure transducers to collect and record groundwater elevations from monitoring wells located around the perimeter of the landfill cells. The program was initiated in 2014 at Cells 1 & 2, expanded in 2015, 2016 and 2023 to Cells 3 & 4, Cells 9 & 10 and Cells 5 & 6 & 7 & 8, respectively. Four transducers were removed from the monitoring network on October 12, 2022 due to landfill expansion. These transducers will be redeployed after the evaluation of hydrogeologic conditions at new well installs at Cells 5&6 and 7&8 in June 2023. During this reporting period transducers were deployed in overburden and bedrock wells as follows:

Cells 1 & 2:

- Six overburden wells (GWA-1 (overburden/bedrock), GWA-3A, GWC-7Z, GWC-11, GWC-13, and GWC-15)
- Six bedrock wells (GWA-2R, GWC-6RZ, GWC-8RR, GWC-11R, GWC-13R, and GWC-15R)

Cells 3 & 4:

- Three overburden wells (GWC-18, GWA-36A, GWA-37)
- Six bedrock wells (GWC-16R, GWC-18R, GWC-21R, GWC-24R, GWC-25R, GWA-36RA)

Cells 9 & 10:

- Six overburden wells (GWA-39Z, GWA-41, GWA-43, GWC-45, GWC-47, and GWC-49Z)
- Six bedrock wells (GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, and GWC-49R)

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, December 12, 2022, through June 6, 2023

Water level data are electronically logged multiple times daily by each transducer. Most logged data are uploaded after each reading via satellite telemetry to a central In-Situ Inc.® database. Automated reports are accessible via the In-Situ® database website (ISI Data Center) where the telemetry data are stored and compiled.

In addition to collecting transducer data, Etowah River levels and rainfall data for the reporting period were obtained from a U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

This reporting period included the transition from In-Situ telemetry (ISI Data Center) to In-Situ VuLink® being installed in the monitoring wells. HydroVu communicates data through the global cellular network versus the existing satellite data transmission telemetry devices currently installed at the Site. The ISI to VuLink® transition occurred January 20, 2023, and May 2 through May 4, 2023 (Table 1). Data transmitted via VuLink® technology are accessed through HydroVu® online dashboard.

Maintenance Observations

During the reporting period, the following well locations were noted by Southern Company Civil Field Services (SCS-CFS) staff as having issues: GWA-24R, GWA-36A, GWA-41R, GWC-7Z, GWC-47, and GWC-47R (Table 1). The wells with transducers were visited for maintenance, manual data downloads, battery change outs, transducer replacement, desiccant replacement, solar panel adjustment, or reconnection of modem or transducer cables. Data transmission for GWC-24R was lost January 3rd, 2023. On January 20, 2023, SCS-CFS replaced the ISI to VuLink®. SCS-CFS replaced GWA-36RA transducer cable and storage cube, batteries were replaced in GWA-41R and GWC-7Z, and GWC-47 had a new TrollHub installed (Table 1). The groundwater elevations in GWA-36A rose 3.21 feet May 24th, 2023, and has stayed roughly 3 feet higher than the offset boring GWA-36RA. Resolute Environmental and Water Resources Consulting field staff checked the depth to water (DTW) at GWA-36A on May 30, 2023, there was a 2.97-foot discrepancy between the transducer water level and the field recorded water level. This change is not indicative of land subsidence or sinkhole formation. The discrepancy between the water level reported by the transducer and field recorded data is being troubleshoot and maintenance is ongoing.

Water Level Fluctuations

Continuous groundwater level data and river stage elevations for the Etowah River were recorded between December 12, 2022, and June 6, 2023. Reporting period hydrographs for Cells 1 & 2, 3 & 4, and 9 & 10 are shown in Figures 1A through 3B.

Table 1 records maintenance completed during the reporting period that resulted in water level trend anomalies. During the reporting period, manual groundwater elevation gauging and groundwater sample collection took place over the period of February 8, through February 22, 2023, as well as additional ground water sampling that occurred March 16, 2023, and April 11, 2023. These field efforts are considered known disruptions to water table and are marked on the hydrograph plots (Figures 1A through 3B). Transducer maintenance activities and repairs occur throughout the monitoring period and consist of resetting reference water elevation depths, resealing boxes, ant infestation control, replacing desiccants and replacing power controller units and batteries. Periodic sampling and maintenance may induce drifts in pressure readings. When drifts are noted, the reference depth to water is re-set and the logging cycle is re-started.

The water levels in monitoring wells equipped with transducers exhibited similar overall trends during the reporting period. Groundwater elevations show an overall stable trend during this six-month period with steadily increasing water levels from December to mid-February, then decreasing water levels from late February through early June.

The fluctuations of groundwater elevations generally mimic the Etowah River levels in response to rain events and wet conditions. Some of the hydrograph responses may be attributable to the fluctuations in

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, December 12, 2022, through June 6, 2023

water levels in the nearby General Service Water Pond. Similar to previous events, wells GWA-41 and GWA-41R showed rapid hydrograph responses to rainfall during the monitoring period as groundwater in both the overburden and bedrock aquifers at this location responded equally to rainfall events. During this monitoring period, the potentiometric surface of the bedrock aquifer remained above the top of competent bedrock in the instrumented monitoring wells. This higher hydrostatic pressure of the bedrock aquifer limits removal of material from the overburden that could result in subsidence issues. The observed variations in groundwater elevations are attributed to rainfall variations, or due to sampling or maintenance activities at the monitoring points. A comparison of river stage and precipitation data with recorded groundwater elevations (Figures 1A through 3B) shows that both sets of data follow similar overall patterns. Two rainfall events greater than 1.5 inches occurred during the monitoring period. First rainfall event was on January 4th (2.44 inches) and the second event was April 8th (2.21 inches) according to the U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

Conclusions and Recommendations

Observed disruptions in the transducer water levels were found to be directly attributed to (a) drawdown during sampling events, water level gauging, well development, and (b) to maintenance of wells, transducers, or telemetry units, or (c) rainfall events. December 12, 2022, through June 6, 2023, hydrologic monitoring data did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation. Hydrogeologic monitoring will continue at Plant Bowen.

Regards,

STANTEC CONSULTING SERVICES INC.

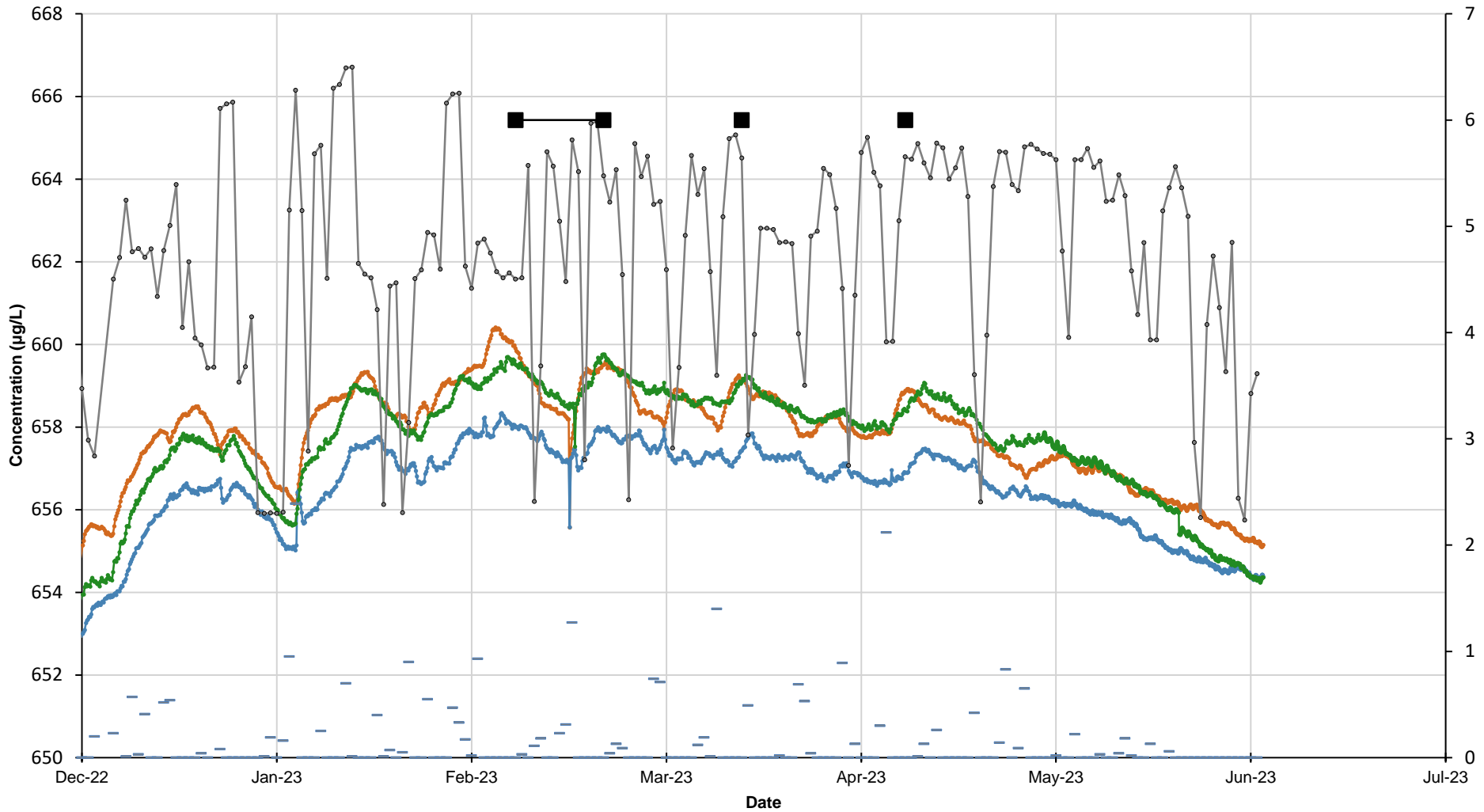


Andrew Stevens, P.G.

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Mobile: (615) 578-5456
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Attachments: Table 1 – Bowen Landfill Maintenance and Water Level Observation
Figures 1A, 1B, 2A, 2B, 3A, and 3B Hydrographs

Bowen Landfill Maintenance and Water Level Observation						
December 12, 2022 through June 6, 2023						
Cells	Well ID	Last ISI Reading Date	First HydroVu Reading Date	Most Recent Transducer Network Maintenance	Maintenance Information	Comments
1 & 2	GWA-1	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWA-2R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWA-3A	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-6RZ	5/2/2023	5/2/2023	--	--	Well evacuation during February sampling
	GWC-7Z	5/2/2023	5/2/2023	3/8/2023	Replace Battery	Missing readings 3/2-3/8/2023
	GWC-8RR	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-11	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-11R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-13	5/2/2023	*5/4/2023	--	--	No maintenance during reporting period
	GWC-13R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-15	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
GWC-15R	5/3/2023	5/3/2023	--	--	No maintenance during reporting period	
3 & 4	GWC-16R	5/2/2023	5/2/2023	--	--	Well evacuation during February sampling
	GWC-18	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-18R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-21R	5/2/2023	5/2/2023	--	--	No maintenance during reporting period
	GWC-24R	1/3/2023	*1/20/2023	1/20/2023	Transducer stopped working/ switch to HydroVu	Missing readings 1/3-1/20/2023
	GWC-25R	4/1/2022	*11/3/2022	--	--	No maintenance during reporting period
	GWA-36A	5/3/2023	5/3/2023	--	Water level adjustment	**Jump in water level data trend 5/24/2023
	GWA-36RA	5/3/2023	5/3/2023	3/22/2023	Replaced cable and storage cube	Missing readings 3/8-3/21/2023
GWA-37	5/3/2023	*5/4/2023	--	--	No maintenance during reporting period	
9 & 10	GWA-39RZ	5/3/2023	5/3/2023	--	--	Well evacuation during February sampling
	GWA-39Z	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWA-41	5/3/2023	5/3/2023	1/18/2023	Water level adjustment	**Jump in water level data trend
	GWA-41R	5/3/2023	5/3/2023	1/18/2023	Replaced battery	Missing readings 1/7-1/18/2023
	GWA-43	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWA-43R	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWC-45	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
	GWC-45R	5/4/2023	5/4/2023	1/15/2023	--	Missing readings 1/4-1/15/2023
	GWC-47	5/3/2023	5/3/2023	1/16/2023	Replaced TrollHub	Missing readings 1/3-1/16/2023 Well evacuation during February sampling
	GWC-47R	5/3/2023	5/3/2023	1/16/2023	Replaced TrollHub	Well evacuation during February sampling
	GWC-49R	5/3/2023	5/3/2023	--	--	No maintenance during reporting period
GWC-49Z	5/3/2023	5/3/2023	--	--	No maintenance during reporting period	
*notes transition for ISI to HydroVu was longer than 24 hours						
**notes change in water level unrelated to karst geology						
Prepared by/Date: A.Stevens 06/21/2023						
Checked by/Date: C. Sutherland 6/28/2023						



Legend

- GWA-1
- GWA-3A
- USGS Precipitation
- GWA-2R
- Etowah River Gage
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

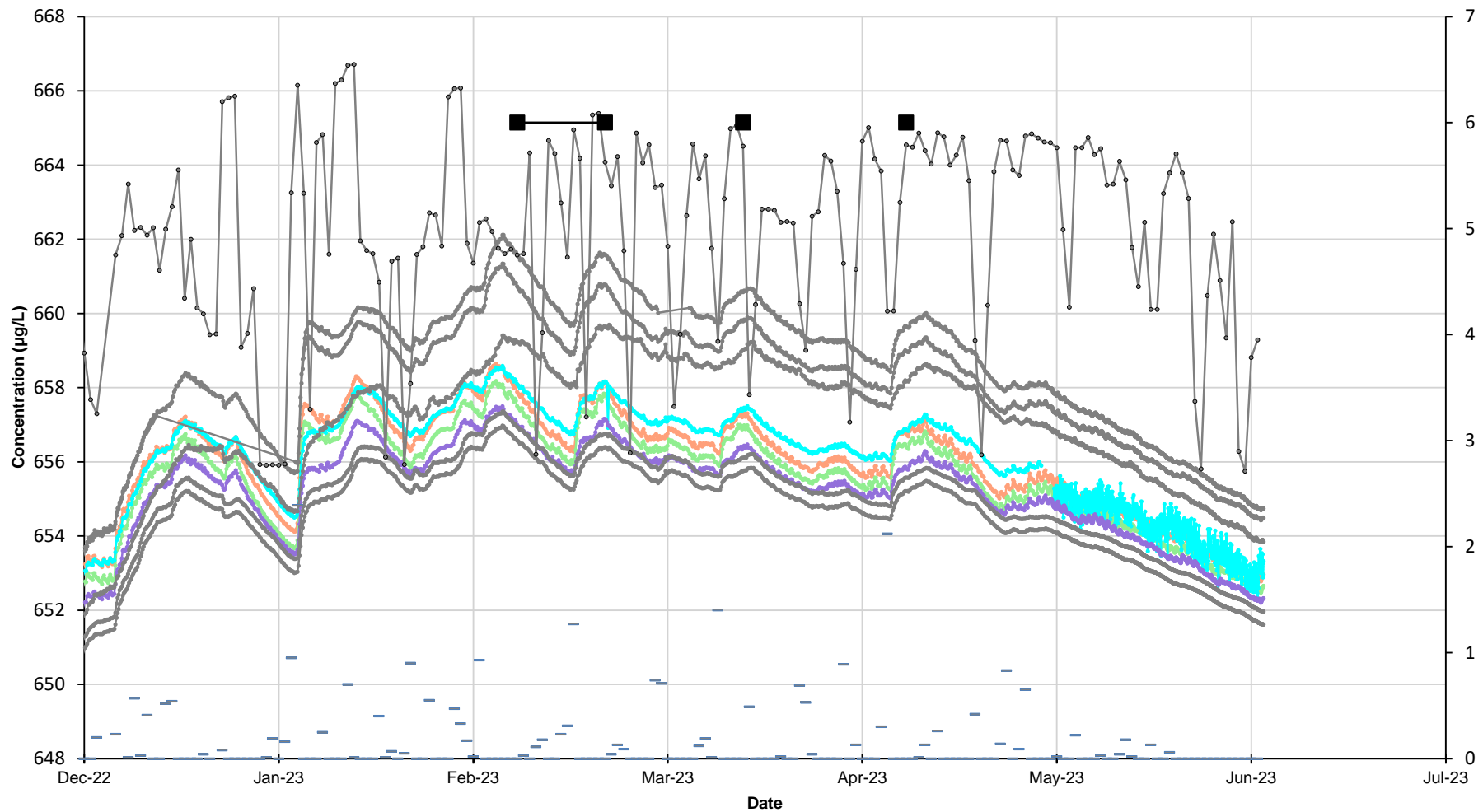
Figure/Well No.

Cell1&2A

Title

Cell 1&2 Transducer Level Monitoring





Legend

- GWC-11
- GWC-13
- GWC-6RZ
- GWC-8RR
- USGS Precipitation
- GWC-11R
- GWC-13R
- GWC-7Z
- Etowah River Gage
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

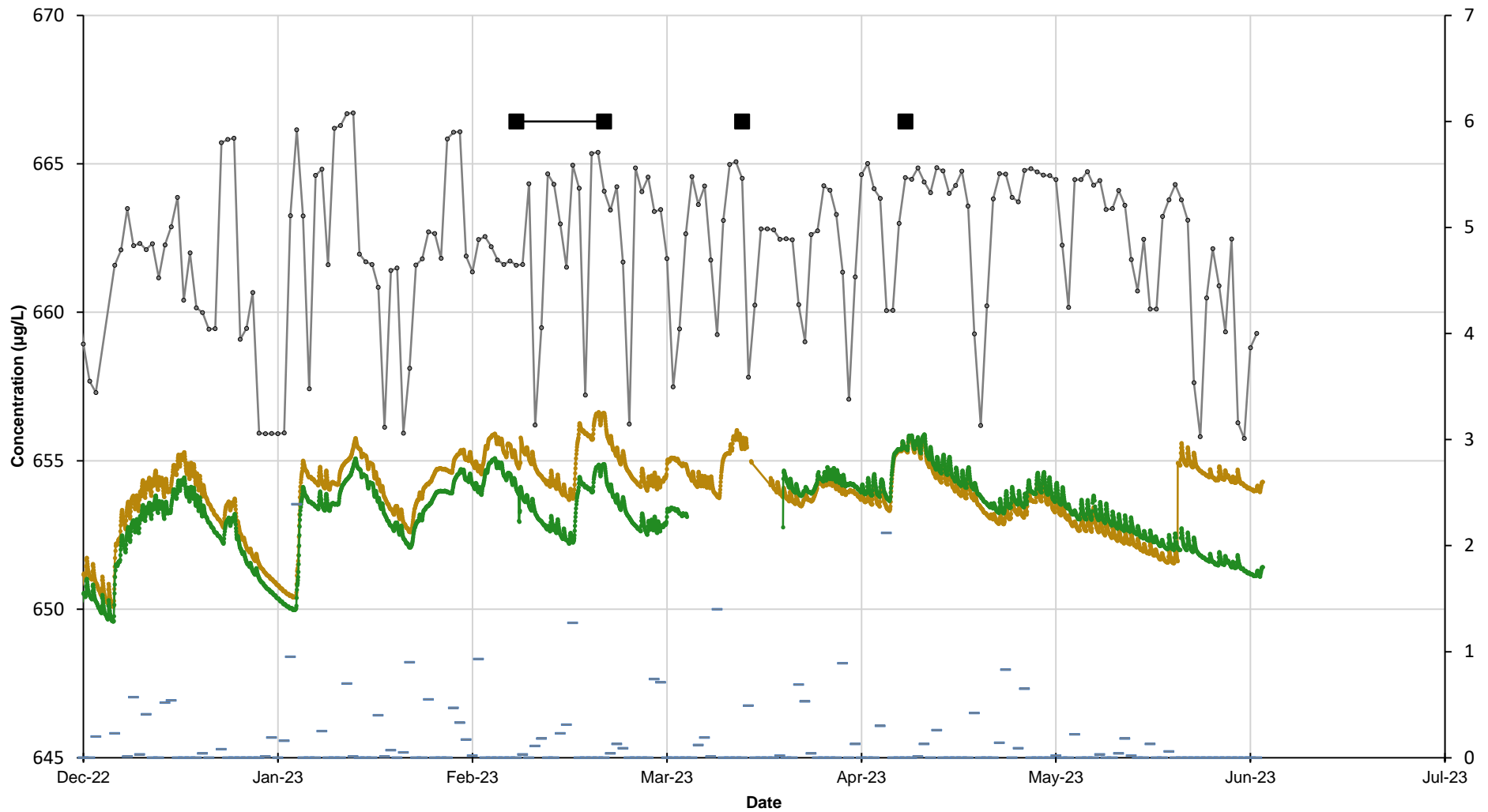
Figure/Well No.

Cell1&2B

Title

Cell 1&2 Transducer Level Monitoring





Legend

- GWA-36A
- GWA-36RA
- Etowah River Gage
- - - USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

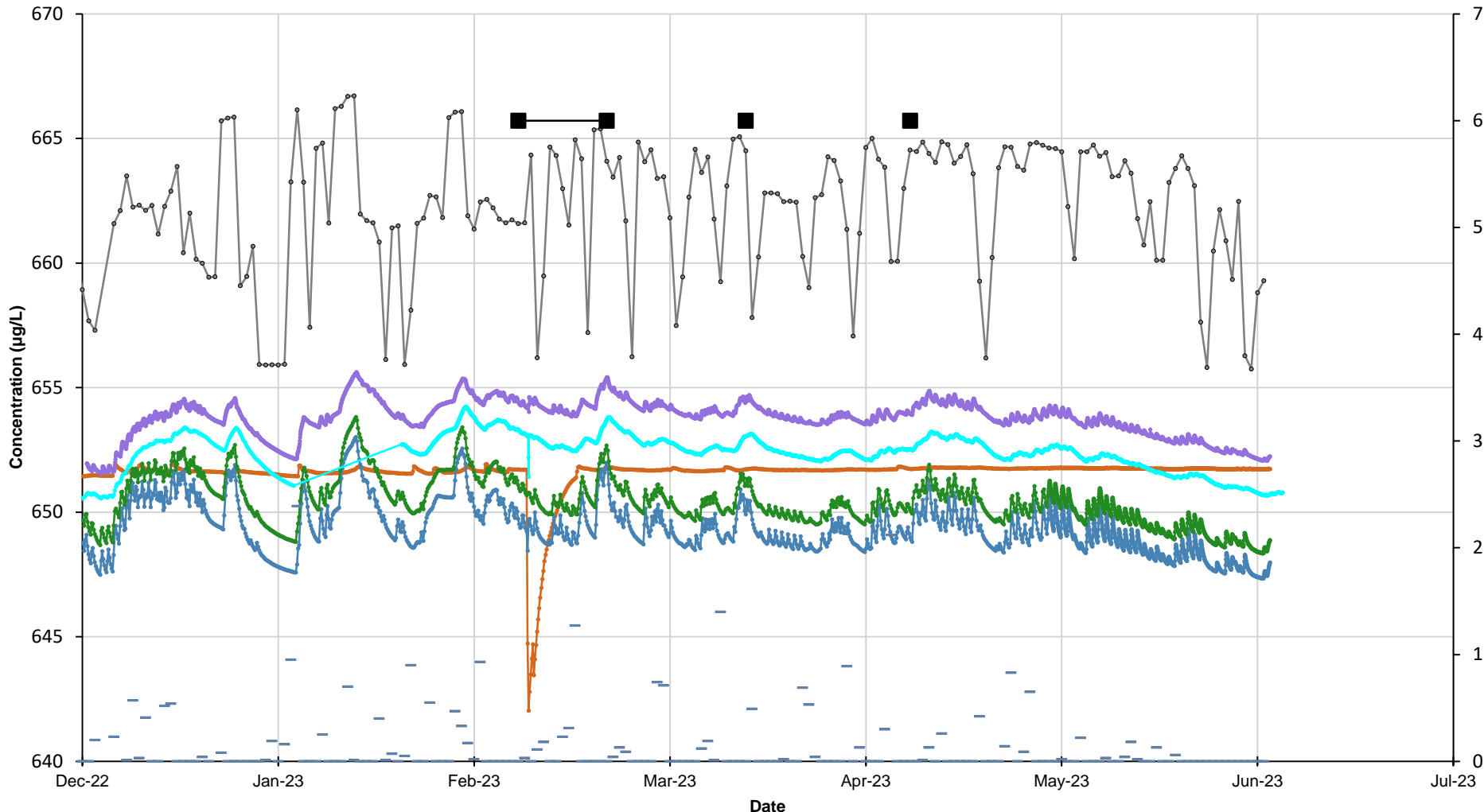
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Cell3&4A

Title

Cell 3 & 4 Transducer Level Monitoring





Legend

- GWC-16R
- GWC-18R
- GWC-25R
- USGS Precipitation
- GWC-18
- GWC-24R
- Etowah River Gage
- Monitoring Events

Client/Project

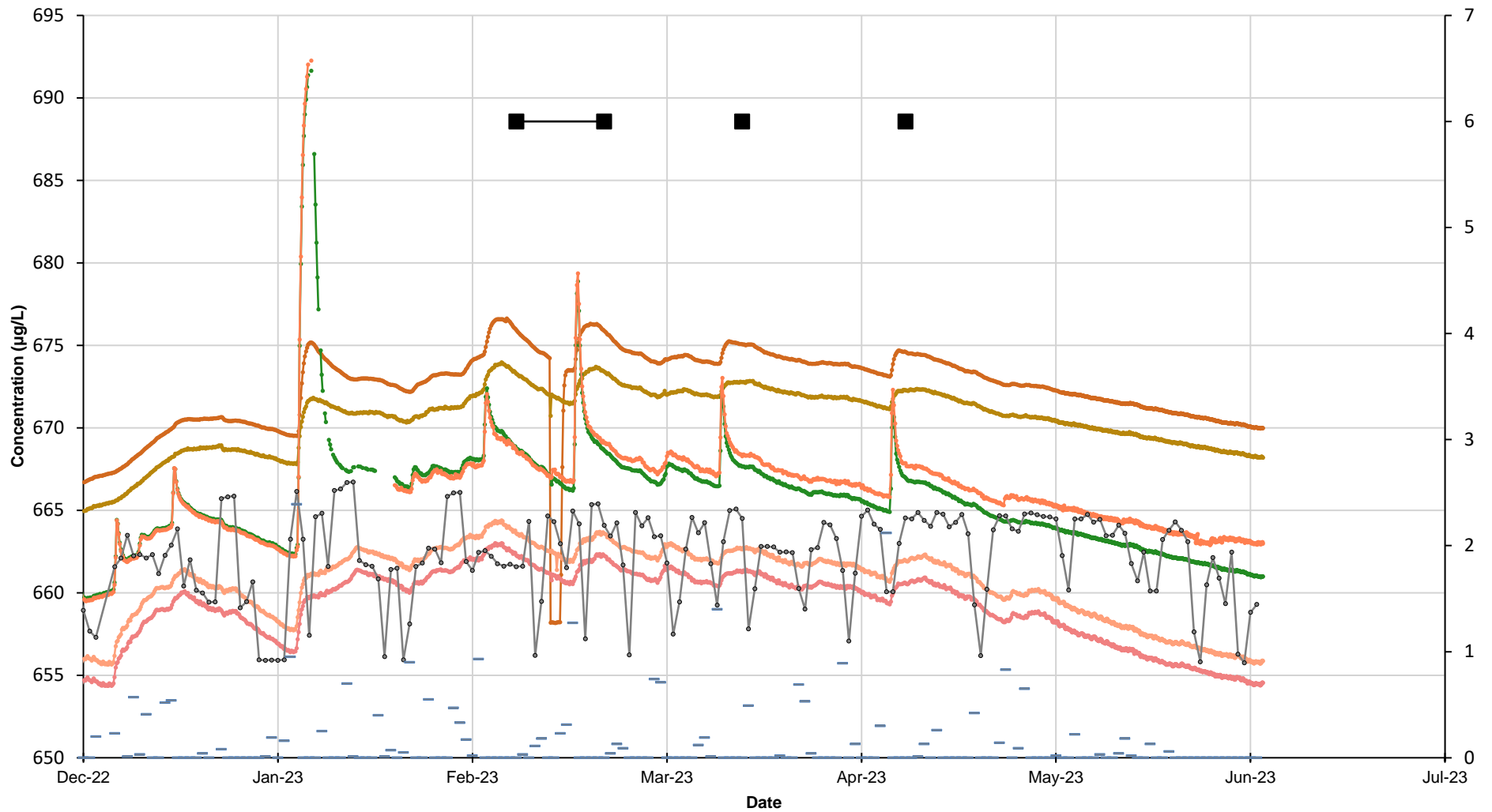
Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

Figure/Well No.

Cell3&4B

Title

Cell 3 & 4 Transducer Level Monitoring



Legend

- GWA-39RZ
- GWA-39Z
- GWA-41
- GWA-41R
- GWA-43
- GWA-43R
- Etowah River Gage
- USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

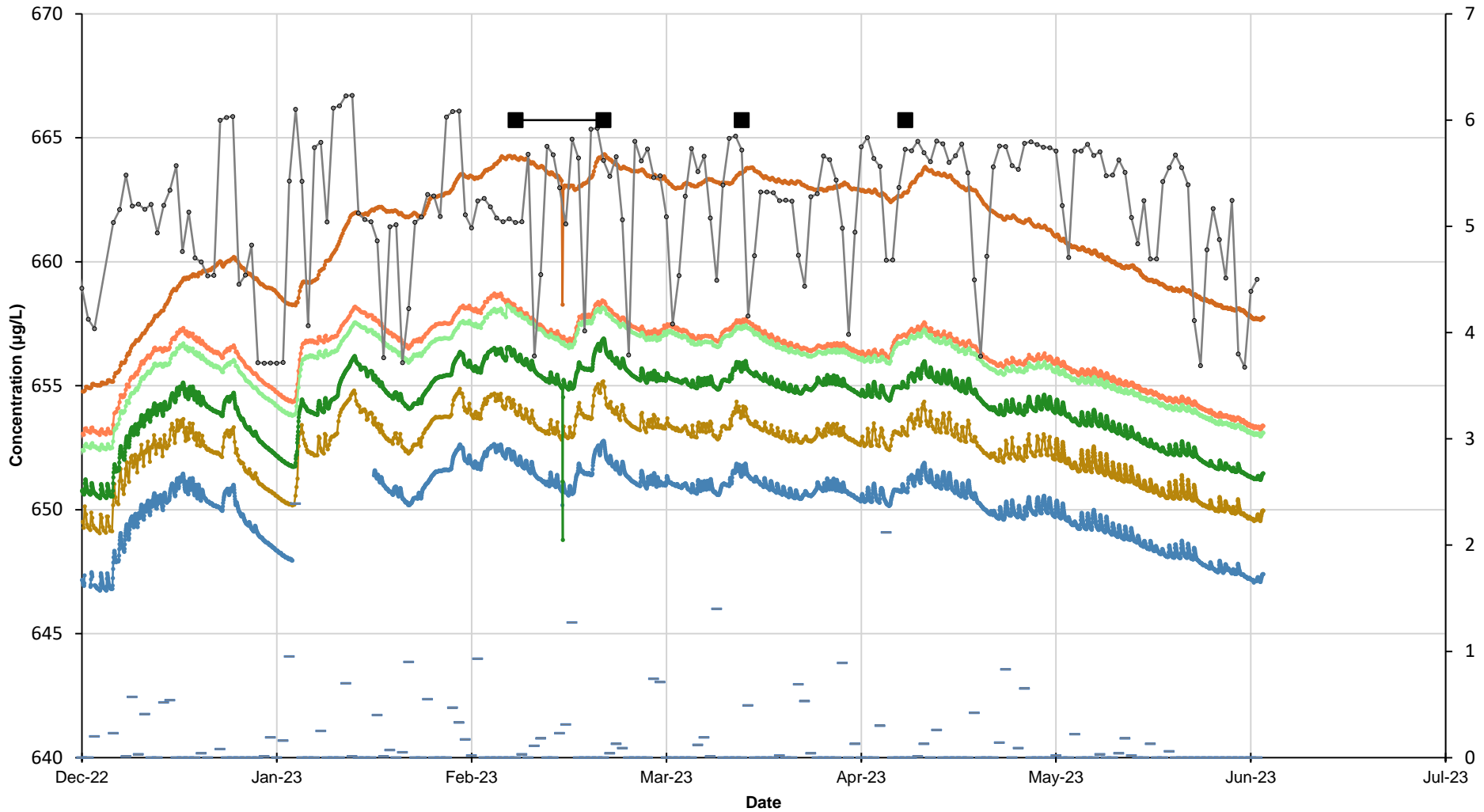
Figure/Well No.

Cell9&10

Title

Cell 9 & 10 Transducer Level Monitoring





Legend

- GWC-45
- GWC-47
- GWC-49R
- Etowah River Gage
- Monitoring Events
- GWC-45R
- GWC-47R
- GWC-49Z
- USGS Precipitation

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

Figure/Well No.

Cell9&10B

Title

Cell 9 & 10 Transducer Level Monitoring



To:	Kristen Jurinko, P.G. Southern Company Services, Inc.	From:	Andrew Stevens, P.G. Stantec Consulting Services Inc.
File:	Hydrogeological Monitoring Memo	Date:	January 31, 2024

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, June 6, 2023, through December 6, 2023

Background

Stantec Consulting Services Inc. (Stantec) was retained by Southern Company Services, Inc. (SCS), to assist with the hydrogeological (water level) monitoring program at Georgia Power Company's Plant Bowen (Site) Landfill Cells 1 & 2, 3 & 4, 5 & 6 & 7 & 8, 9 & 10. The work is being conducted to comply with Georgia Environmental Protection Division (GA EPD) CCR Permit No. 008-018D (CCR) to assist with early detection of subsurface changes that might indicate land subsidence or sinkhole formation. Groundwater level fluctuations are monitored in accordance with 2022 CCR Permit Groundwater Monitoring Plan.

The Site utilizes In-Situ[®] Inc telemetry and reporting software and pressure transducers to collect and record groundwater elevations from monitoring wells located around the perimeter of the landfill cells. The program was initiated in 2014 at Cells 1 & 2, expanded in 2015, 2016 and 2023 to Cells 3 & 4, Cells 9 & 10 and Cells 5 & 6 & 7 & 8, respectively. Nine transducers (GWA-1, GWA-3A, GWA-37, GWA-41, GWC-8RR, GWC-15, GWC-18R, GWC-21R, AND GWC-45) were removed from the monitoring network on September 26, 2023 after evaluating sitewide hydrogeologic conditions including new wells installed at Cells 5 & 6 and 7 & 8, and were redeployed at wells GWA-4R, GWC-10R, GWC-19R, GWC-22R, GWC-27, GWC-27R, GWC-29, GWC-29R, GWA-31R, GWA-33, GWA-33R, GWA-34 and GWA-34R between September 26 and 28, 2023. During this reporting period transducers were deployed in overburden and bedrock wells as follows:

Cells 1 & 2:

- Six overburden wells (GWA-1 (overburden/bedrock), GWA-3A, GWC-7Z, GWC-11, GWC-13, and GWC-15)
- Eight bedrock wells (GWA-2R, GWA-4R, GWC-6RZ, GWC-8RR, GWC-10R, GWC-11R, GWC-13R, and GWC-15R)

Cells 3 & 4:

- Three overburden wells (GWC-18, GWA-36A, GWA-37)
- Eight bedrock wells (GWC-16R, GWC-18R, GWC-19R, GWC-21R, GWC-22R, GWC-24R, GWC-25R, GWA-36RA)

Cells 5 & 6 & 7 & 8:

- Four overburden wells (GWC-27, GWC-29, GWA-33, GWA-34)
- Five bedrock wells (GWC-27R, GWC-29R, GWA-31R, GWA-33R, GWA-34R)

Cells 9 & 10:

- Six overburden wells (GWA-39Z, GWA-41, GWA-43, GWC-45, GWC-47, and GWC-49Z)
- Six bedrock wells (GWA-39RZ, GWA-41R, GWA-43R, GWC-45R, GWC-47R, and GWC-49R)

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, June 6, 2023 through December 6, 2023

Water level data are electronically logged multiple times daily by each transducer. During this reporting period, logged data were uploaded after each reading via an In-Situ VuLink® telemetry system to an In-Situ® database website (HydroVu®) where the telemetry data are stored and compiled.

In addition to collecting transducer data, Etowah River levels and rainfall data for the reporting period were obtained from a U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

Maintenance Observations

Southern Company Civil Field Services (SCS-CFS) staff performs routine maintenance on transducers within the hydrogeologic monitoring program including battery change outs, transducer replacement, desiccant replacement, or reconnection of modem or transducer cables. The monitoring network has been reviewed and optimized to provide widespread spatial coverage to mitigate localized disruptions in the transducer network and prevent loss of monitoring in case of a potential sinkhole formation. During the reporting period, SCS-CFS on the following locations: GWA-4R, GWA-33R, GWA-34R, GWA-36A, GWC-8RR, GWC-11, GWC-19R, GWC-21R, GWC-22R, GWC-27R, GWC-29, GWC-29R, GWC-31R and GWC-(Table 1). The following summarizes the maintenance performed at these locations.

GWA-36A

- During the previous reporting event, the groundwater elevations in GWA-36A rose 3.21 feet May 24, 2023, and has stayed roughly 3 feet higher than the offset boring GWA-36RA. Resolute Environmental and Water Resources Consulting field staff checked the depth to water (DTW) at GWA-36A on May 30, 2023, there was a 2.97-foot discrepancy between the transducer water level and the field recorded water level.
- June 21: pressure sensor on transducer recalibrated
- June 22: transducer lost connection to VuLink
- July 7: battery was replaced and transducer reconnected to VuLink
- July 28: pressure sensor on transducer recalibrated

GWC-8RR and GWC-18R

- August 22: transducer lost connection to VuLink
- September 26: transducers were re-located after sitewide hydrogeologic evaluation, therefore data connection not re-established for these locations

GWC-49R

- August 19: transducer water level reading times became variable
- September 28: water level reading times were reset to record at 4-hour intervals

GWC-11, GWA-33R, GWA-34R, GWC-27R and GWC-29

- September 26 and 28: transducers lost connection to VuLink and HydroVu during re-location of transducers after sitewide hydrogeologic evaluation
- December 6: transducers connection to VuLink and HydroVu restored, and locations added to the monitoring program

GWA-4R, GWC-19R, GWC-22R, GWC-29R and GWC-31R

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, June 6, 2023 through December 6, 2023

- October 24-25: recalibrated pressure sensors on transducers required after re-location of transducers after sitewide hydrogeologic evaluation

Water Level Fluctuations

Continuous groundwater level data and river stage elevations for the Etowah River were recorded between December 12, 2022, and June 6, 2023. Reporting period hydrographs for Cells 1 & 2, 3 & 4, 5 & 6 & 7 & 8 and 9 & 10 are shown in Figures 1A through 4B.

Table 1 documents maintenance completed during the reporting period that resulted in water level trend anomalies. During the reporting period, manual groundwater elevation gauging and groundwater sample collection took place over the period of July 25 through August 4, 2023, as well as additional verification ground water sampling that occurred September 25 and September 26, 2023. Additional background sampling of Cells 5 & 6 and 7 & 8 occurred June 20 through June 28, 2023, August 7 through August 10, October 10 and 11 2023, and December 12 and 13, 2023. These field efforts are considered known disruptions to water table and are marked on the hydrograph plots (Figures 1A through 4B). Transducer maintenance activities and repairs occur throughout the monitoring period and consist of resetting reference water elevation depths, resealing boxes, ant infestation control, replacing desiccants and replacing power controller units and batteries. Periodic sampling and maintenance may induce drifts in pressure readings. When drifts are noted, the reference depth to water is re-set and the logging cycle is re-started.

The water levels in monitoring wells equipped with transducers exhibited similar overall trends during the reporting period. Groundwater elevations show an overall slight and steady decrease throughout the six-month reporting period.

The fluctuations of groundwater elevations generally mimic the Etowah River levels in response to rain events and wet conditions. Some of the hydrograph responses may be attributable to the fluctuations in water levels in the nearby General Service Water Pond. Similar to previous events, wells GWA-41 and GWA-41R showed rapid hydrograph responses to rainfall during the monitoring period as groundwater in both the overburden and bedrock aquifers at this location responded equally to rainfall events. During this monitoring period, the potentiometric surface of the bedrock aquifer remained above the top of competent bedrock in the instrumented monitoring wells. This higher hydrostatic pressure of the bedrock aquifer limits removal of material from the overburden that could result in subsidence issues. The observed variations in groundwater elevations are attributed to rainfall variations, or due to sampling or maintenance activities at the monitoring points. A comparison of river stage and precipitation data with recorded groundwater elevations (Figures 1A through 4B) shows that both sets of data follow similar overall patterns. Three rainfall events greater than 1.5 inches occurred during the monitoring period. First rainfall event was on July 21st (2.35 inches) the second event was July 28th (1.60 inches) and the third event was August 28th (2.69 inches) according to the U.S. Geological Survey gauge (02394670) near Cartersville, Georgia.

Conclusions and Recommendations

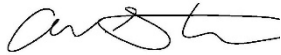
Observed disruptions in the transducer water levels were found to be directly attributed to (a) drawdown during sampling events, water level gauging, well development, and (b) to maintenance of wells, transducers, or telemetry units, or (c) rainfall events. June 6, 2023 through December 6, 2023, hydrologic monitoring data did not show water level fluctuations attributed to subsurface changes that might be indicative of land subsidence or sinkhole formation. Hydrogeologic monitoring will continue at Plant Bowen.

January 31, 2023
Kristen Jurinko, P.G.
Page 4 of 4

Reference: Solid Waste Disposal Facility Permit No. 008-018D (CCR) - Hydrogeological Monitoring Program, June 6, 2023 through December 6, 2023

Regards,

STANTEC CONSULTING SERVICES INC.



Andrew Stevens, P.G.

Geologist
Phone: (615) 499-7150
Mobile: (615) 578-5456
Andrew.stevens@stantec.com

Attachments: Table 1 – Bowen Landfill Maintenance and Water Level Observation
Figures 1A, 1B, 2A, 2B, 3A, 4A and 4B Hydrographs

Table 1: Bowen Landfill Maintenance and Water Level Observation

June 6, 2023 through December 6, 2023

Cells	Well ID	Date Well Was Removed from the Monitoring Network	Date Well Was Added to the Monitoring Network	Most Recent Transducer Network Maintenance	Maintenance Information	Comments
1 & 2	GWA-1	9/26/2023	~	9/26/2023	Transducer was removed from the well network	N/A
	GWA-2R	~	~	N/A	N/A	N/A
	GWA-3A	9/26/2023	~	9/26/2023	Transducer was removed from the well network	N/A
	GWA-4R	~	9/27/2023	10/24/2023	Recalibrated the transducer pressure sensor due to water level discrepancy	Transducer readings were lower than expected 9/26-10/24/2023*
	GWC-6RZ	~	~	N/A	N/A	N/A
	GWC-7Z	~	~	N/A	N/A	N/A
	GWC-8RR	9/26/2023	~	9/26/2023	Transducer was removed from the well network	Missing data from 8/22-9/26
	GWC-10R	~	9/27/2023	9/27/2023	Transducer was added to the well network	N/A
	GWC-11	~	~	11/21/2023	Reestablished VuLink connection	Missing data from 9/29-11/21/2023
	GWC-11R	~	~	N/A	N/A	N/A
	GWC-13	~	~	N/A	N/A	N/A
	GWC-13R	~	~	N/A	N/A	N/A
	GWC-15	9/26/2023	~	9/26/2023	Transducer was removed from the well network	N/A
	GWC-15R	~	~	N/A	N/A	N/A
3 & 4	GWC-16R	~	~	N/A	N/A	N/A
	GWC-18	~	~	N/A	N/A	N/A
	GWC-18R	9/26/2023	~	9/26/2023	Transducer was removed from the well network	Missing data from 8/22-9/26
	GWC-19R	~	9/27/2023	10/25/2023	Recalibrated the transducer pressure sensor due to water level discrepancy	Transducer readings were lower than expected 9/27-10/25/2023*
	GWC-21R	9/26/2023	~	9/26/2023	Transducer was removed from the well network	N/A
	GWC-22R	~	9/27/2023	10/25/2023	Recalibrated the transducer pressure sensor due to water level discrepancy	Transducer readings were lower than expected 9/27-10/25/2023*
	GWC-24R	~	~	N/A	N/A	N/A
	GWC-25R	~	~	N/A	N/A	N/A
	GWA-36A	~	~	6/21/2023	Recalibrated the transducer pressure sensor due to water level discrepancy.	Missing data 6/22-7/9/2023
				7/9/2023	Reestablished VuLink Connection	
				7/28/2023	Recalibrated the transducer pressure sensor due to water level discrepancy.	
GWA-36RA	~	~	N/A	N/A	N/A	
GWA-37	9/26/2023	~	9/26/2023	Transducer was removed from the well network	N/A	
5 & 6 & 7 & 8	GWC-27	~	9/28/2023	N/A	N/A	N/A
	GWC-27R	~	9/26/2023	12/3/2023	Established VuLink connection	Missing data from 9/26-12/3/2023
	GWC-29	~	9/27/2023	11/20/2023	Established VuLink connection	Missing data from 9/27-11/20/2023
	GWC-29R	~	9/27/2023	10/24/2023	Recalibrated the transducer pressure sensor due to water level discrepancy	Transducer readings were higher than expected 9/27-10/24/2023*
	GWC-31R	~	9/26/2023	10/24/2023	Recalibrated the transducer pressure sensor due to water level discrepancy	Transducer readings were higher than expected 9/26-10/24/2023*
	GWA-33	~	9/26/2023	N/A	N/A	N/A
	GWA-33R	~	9/28/2023	12/4/2023	Established VuLink connection	Missing data from 9/28-12/4/2023
	GWA-34	~	9/26/2023	N/A	N/A	N/A
GWA-34R	~	9/28/2023	12/5/2023	Established VuLink Connection	Missing data from 9/28-12/5/2023	

~ notes that transducer was in the monitoring network at the beginning and/or end of the reporting period.

*notes change in water level unrelated to karst geology

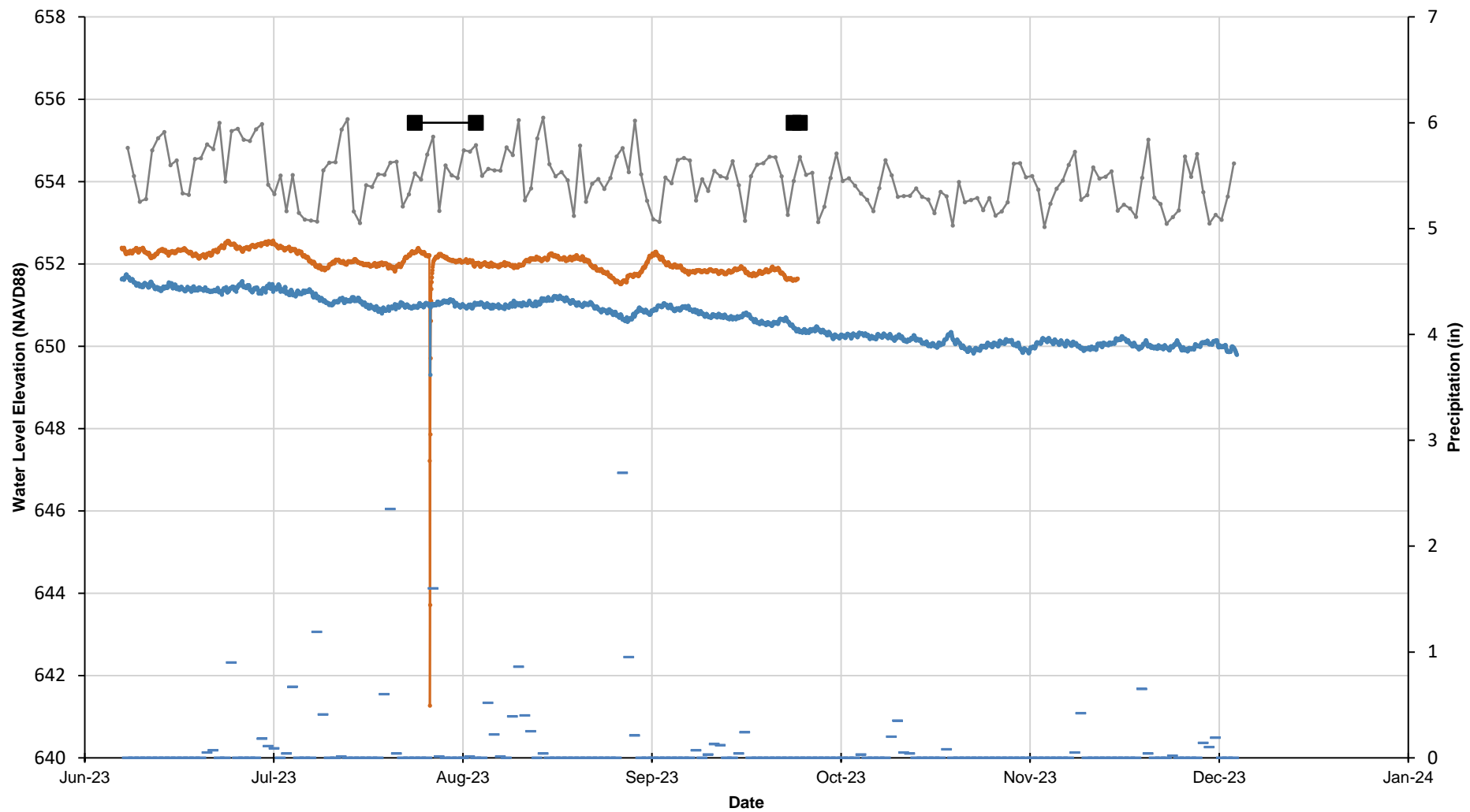
Table 1: Bowen Landfill Maintenance and Water Level Observation

June 6, 2023 through December 6, 2023

Cells	Well ID	Date Well Was Removed from the Monitoring Network	Date Well Was Added to the Monitoring Network	Most Recent Transducer Network Maintenance	Maintenance Information	Comments
9 & 10	GWA-39RZ	~	~	N/A	N/A	N/A
	GWA-39Z	~	~	N/A	N/A	N/A
	GWA-41	9/26/2023	~	9/26/2023	Transducer was removed from the well network	N/A
	GWA-41R	~	~	N/A	N/A	N/A
	GWA-43	~	~	N/A	N/A	N/A
	GWA-43R	~	~	N/A	N/A	N/A
	GWC-45	9/26/2023	~	9/26/2023	Transducer was removed from the well network	Missing Data from 9/3-9/6, data collection resumed without maintenance
	GWC-45R	~	~	N/A	N/A	N/A
	GWC-47	~	~	N/A	N/A	N/A
	GWC-47R	~	~	N/A	N/A	N/A
	GWC-49R	~	~	9/28/2023	Reclibrated data collection to collect readings every 4 hours.	Missing Data from 9/1-9/4/2023, data collection resumed without maintenance
GWC-49Z	~	~	N/A	N/A	N/A	

~ notes that transducer was in the monitoring network at the beginning and/or end of the reporting period.

*notes change in water level unrelated to karst geology



Legend

- Etowah River Gage
- GWA-1
- GWA-2R
- Monitoring Events
- USGS Precipitation

Client/Project

Southern Company Services, Inc.
 Solid Waste Disposal Facility
 Hydrogeological Monitoring Program

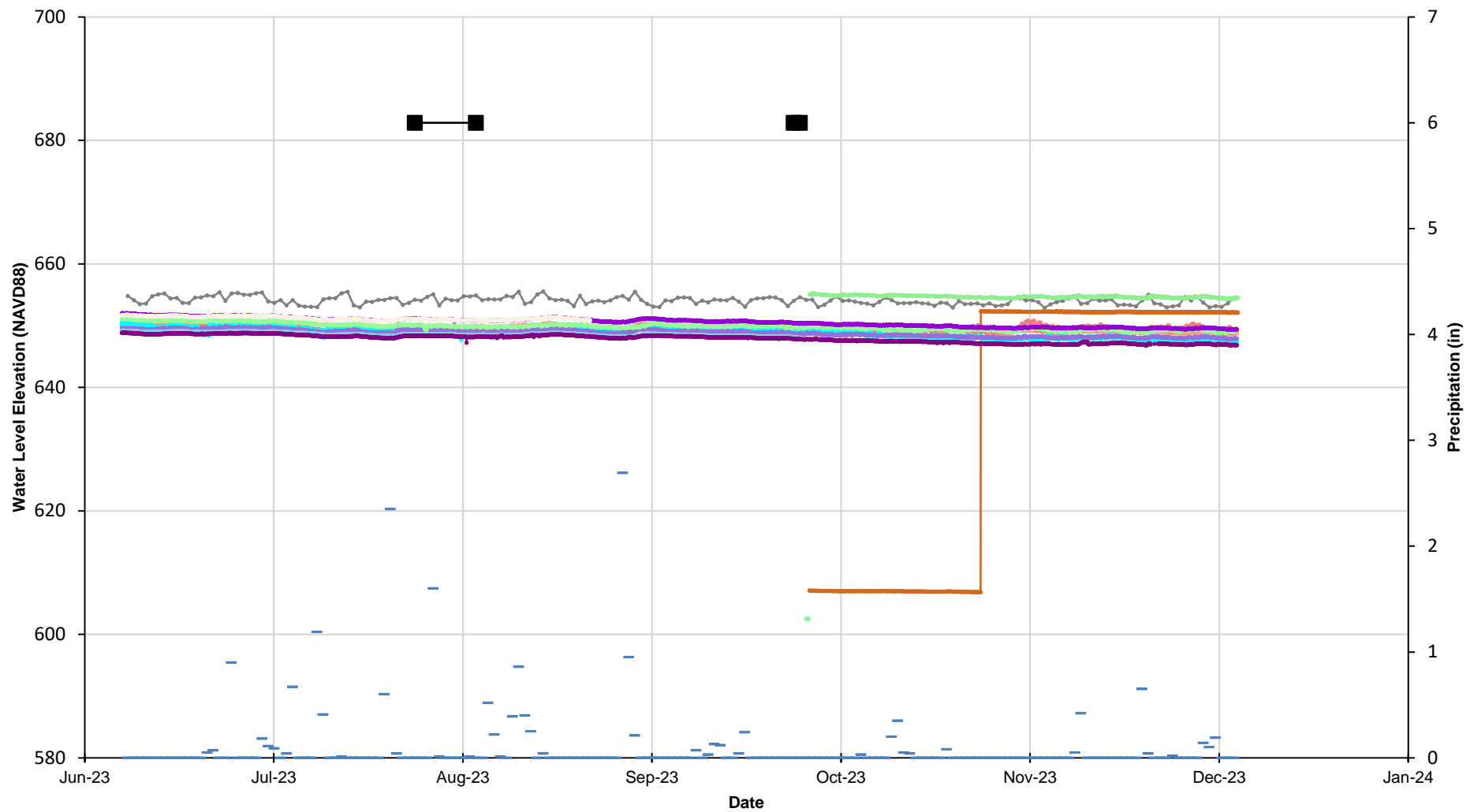
Figure/Well No.

Cell1&2A

Title

Cell 1&2 Transducer Level Monitoring





Legend

Client/Project



- Etowah River Gage
- GWA-4R
- GWC-10R
- GWC-11R
- GWC-11R
- GWC-13R
- GWC-13R
- GWC-15R
- GWC-15R
- GWC-7Z
- GWC-7Z
- USGS Precipitation
- GWC-6RZ
- GWC-6RZ
- GWC-8RR
- GWC-8RR
- Monitoring Events

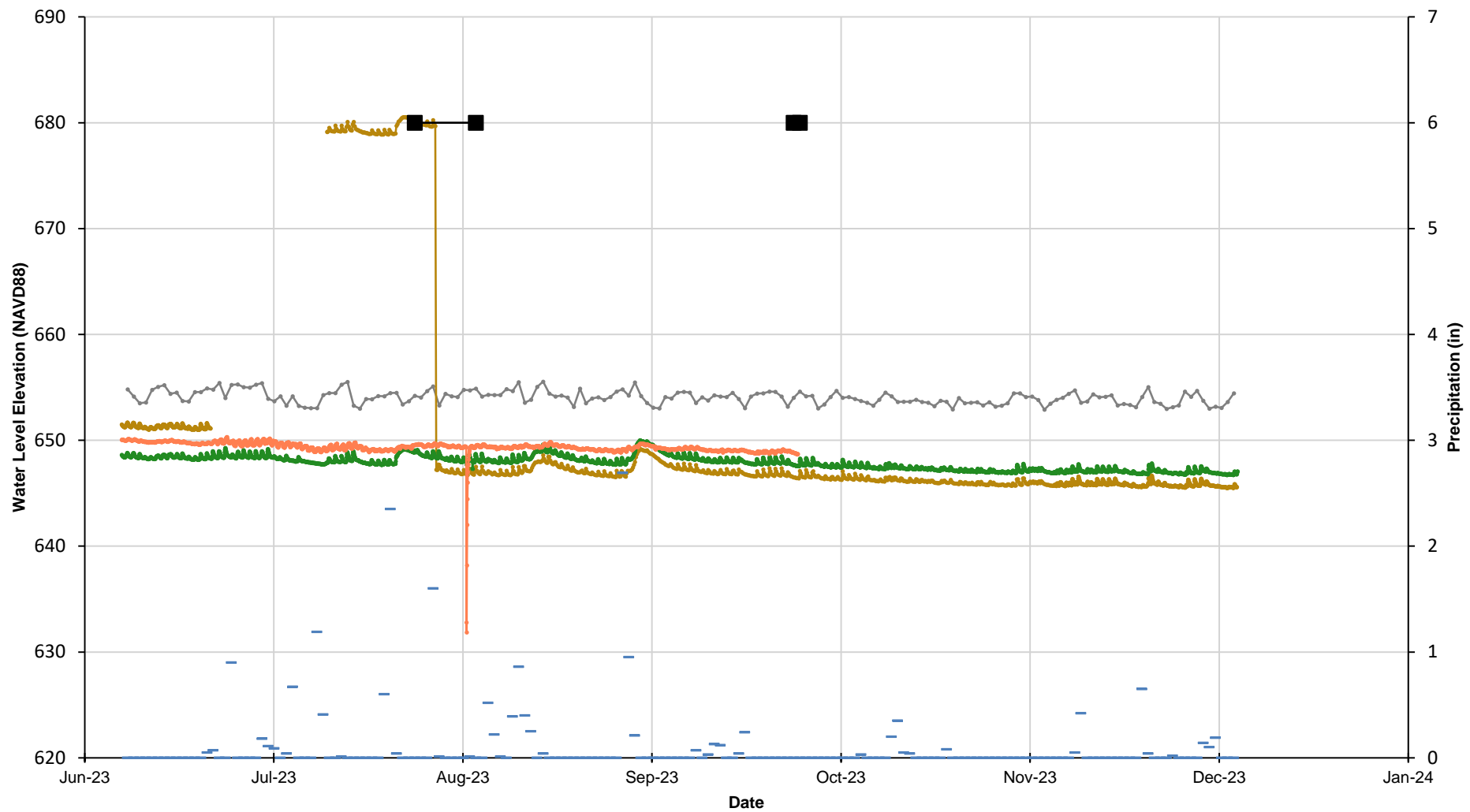
Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

Figure/Well No.

Cell1&2B

Title

Cell 1&2 Transducer Level Monitoring



Legend

- Etowah River Gage
- GWA-36A
- GWA-36RA
- GWA-37
- USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
 Solid Waste Disposal Facility
 Hydrogeological Monitoring Program

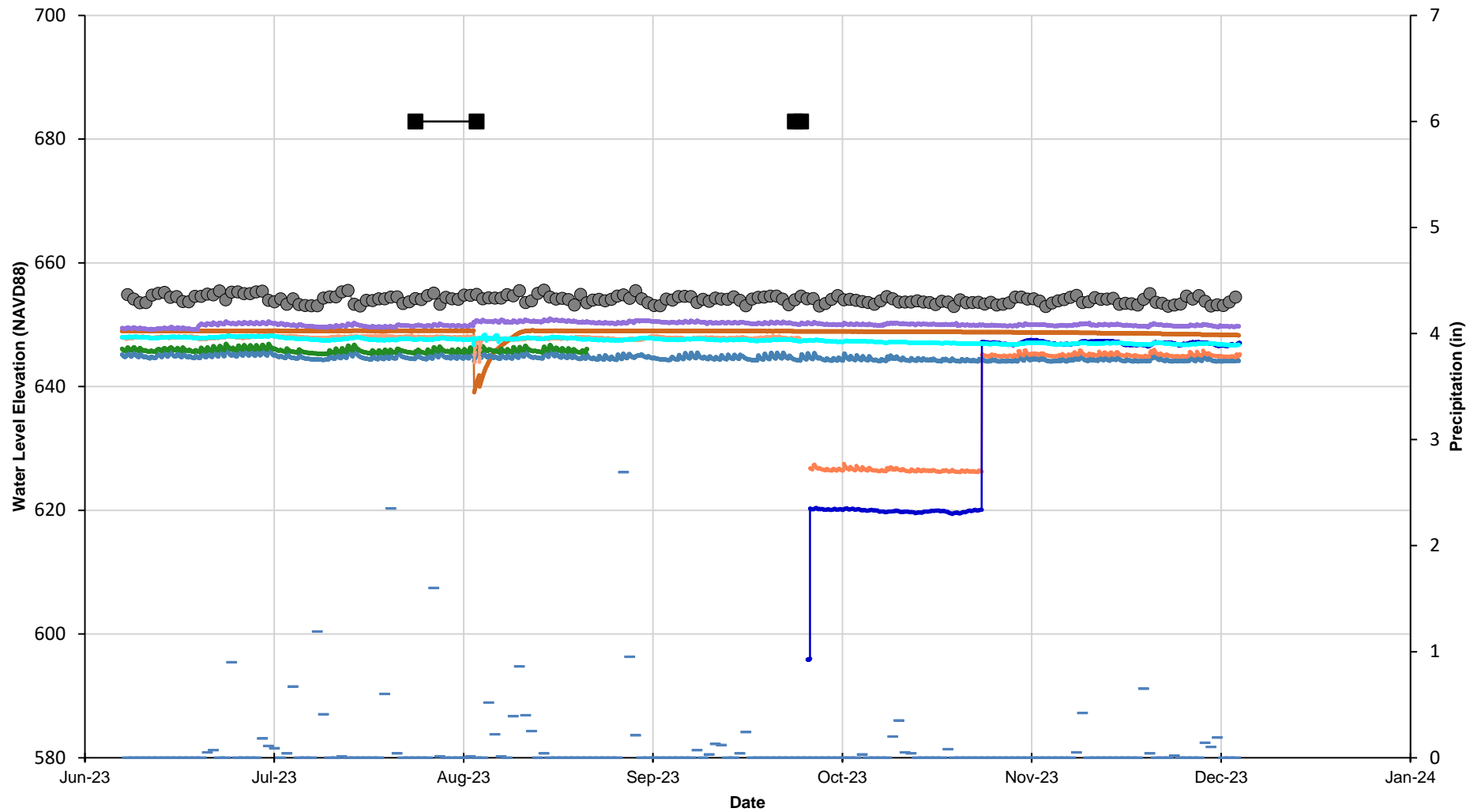
Figure/Well No.

Cell3&4A

Title

Cell 3 & 4 Transducer Level Monitoring





Legend

- Etowah River Gage
- GWC-18
- GWC-19R
- GWC-22R
- GWC-25R
- Monitoring Events
- GWC-16R
- GWC-18R
- GWC-21R
- GWC-24R
- USGS Precipitation

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

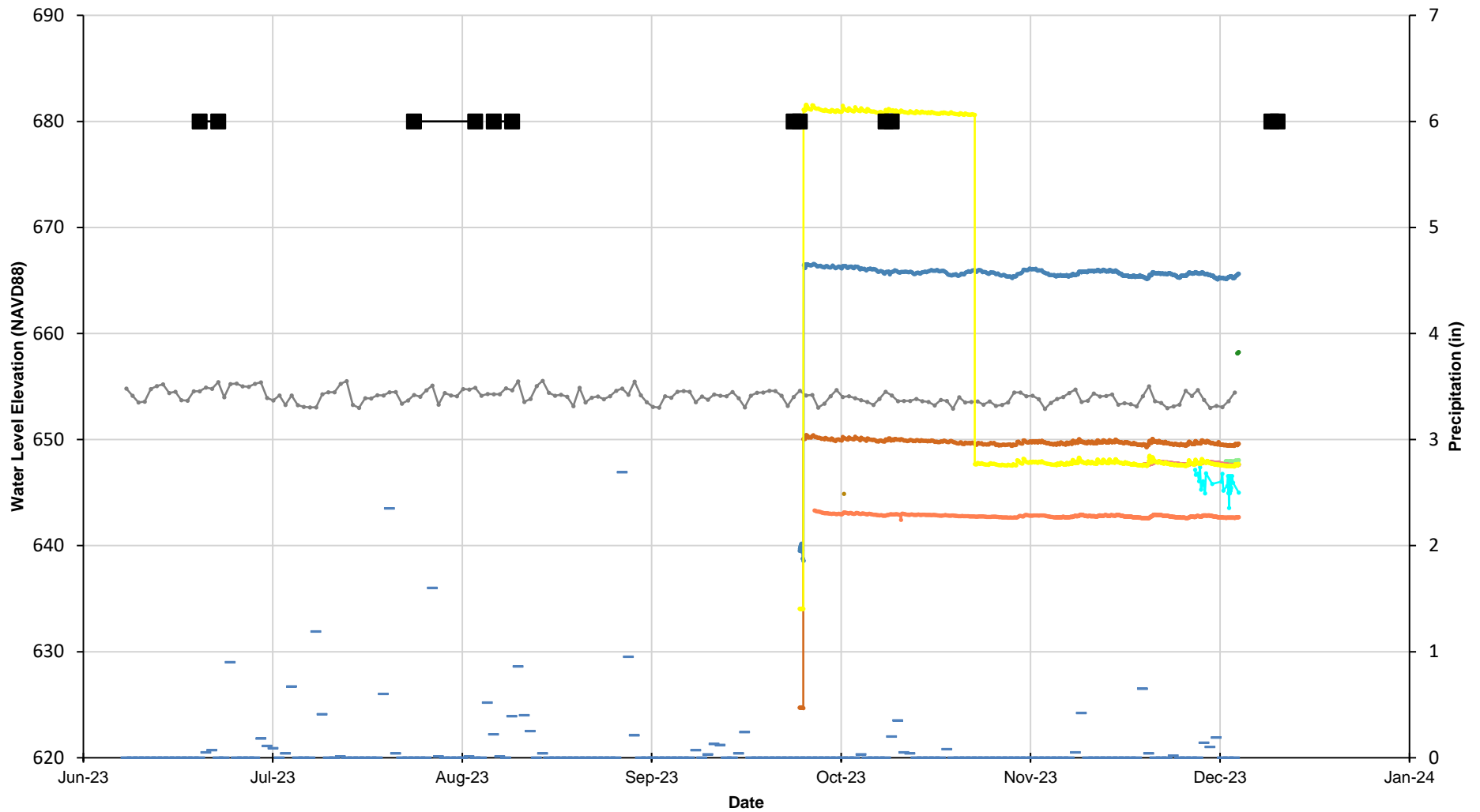
Figure/Well No.

Cell3&4B

Title

Cell 3 & 4 Transducer Level Monitoring





Legend

- Etowah River Gage
- GWA-33R
- GWA-34R
- GWC-27R
- GWC-29R
- USGS Precipitation
- GWA-33
- GWA-34
- GWC-27
- GWC-29
- GWC-31R
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

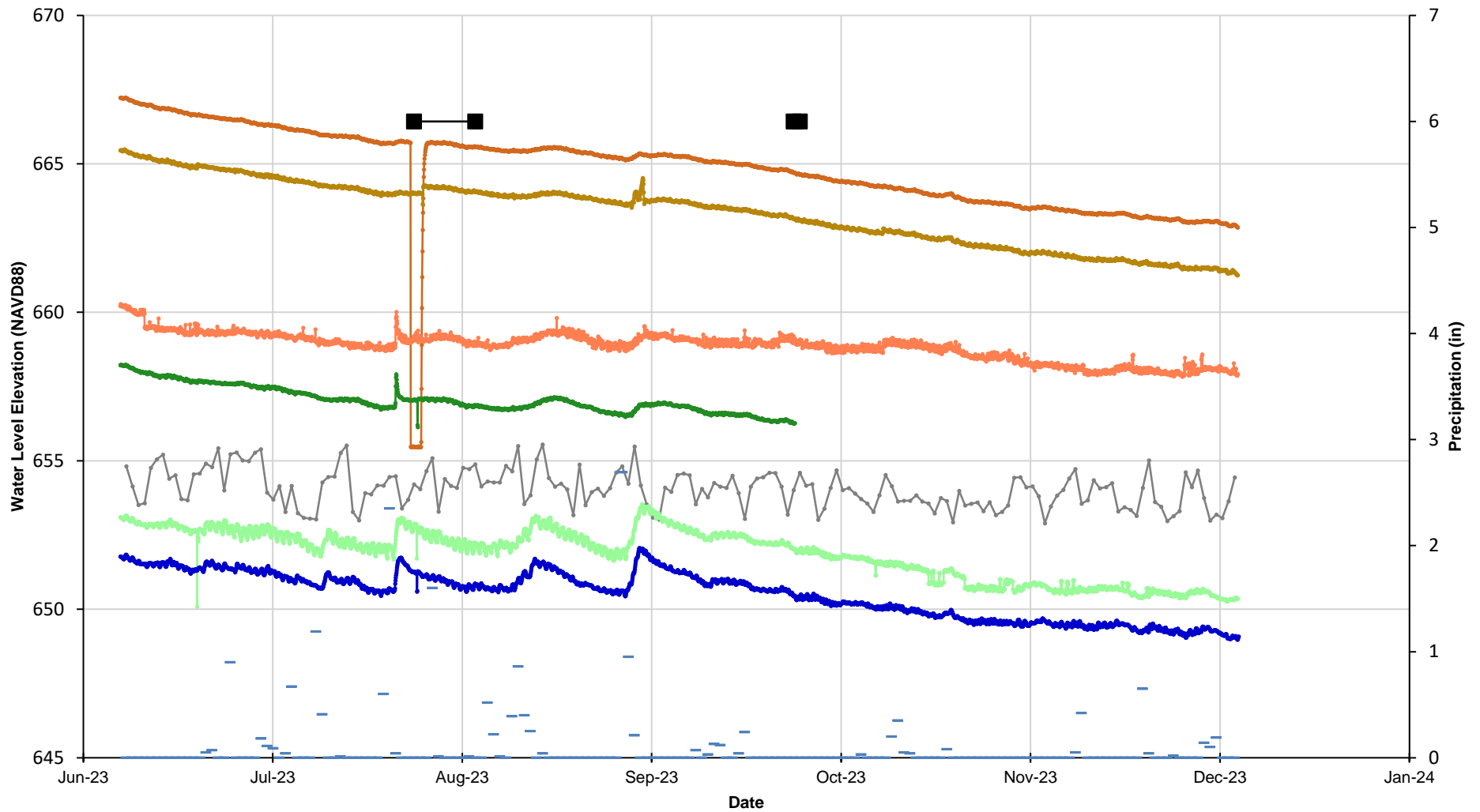
Figure/Well No.

Cell5&6&7&8

Title

Cell 5 & 6 and 7 & 8 Transducer Level Monitoring





Legend

- Etowah River Gage
- GWA-39Z
- GWA-39RZ
- GWA-41
- GWA-41R
- GWA-43
- GWA-43R
- USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

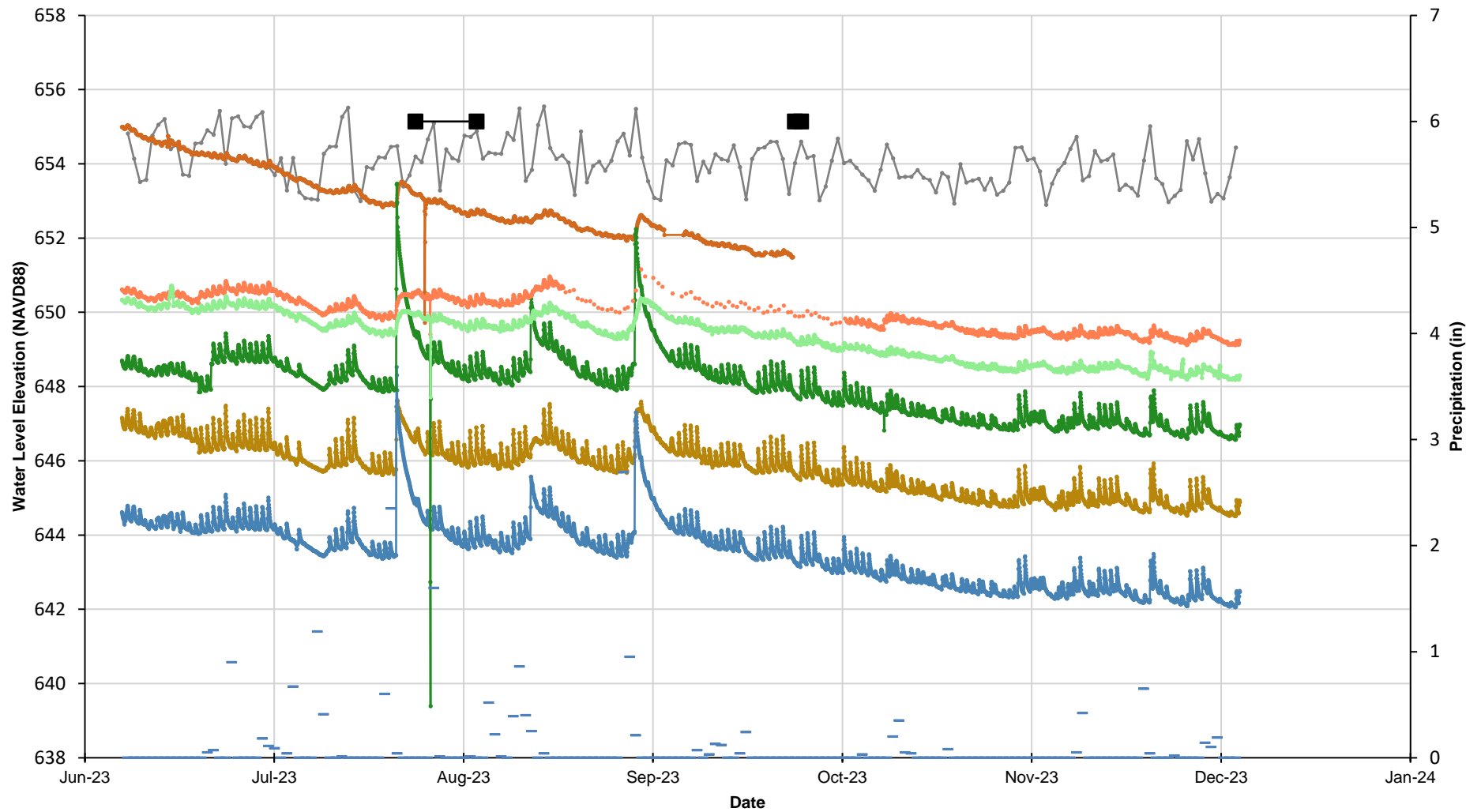
Figure/Well No.

Cell9&10

Title

Cell 9 & 10 Transducer Level Monitoring





Legend

- Etowah River Gage
- GWC-45
- GWC-45R
- GWC-47
- GWC-47R
- GWC-49Z
- GWC-49R
- USGS Precipitation
- Monitoring Events

Client/Project

Southern Company Services, Inc.
Solid Waste Disposal Facility
Hydrogeological Monitoring Program

Figure/Well No.

Cell9&10B

Title

Cell 9 & 10 Transducer Level Monitoring



**APPENDIX D
LABORATORY ANALYTICAL DATA AND
FIELD SAMPLING REPORTS**



APPENDIX D.1 LABORATORY ANALYTICAL DATA





April 14, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 10, 2023 and February 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

A revised report is being submitted on 4/14/23 due to a compound list reporting error.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power

Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92651771001	BOW-GWA-36A	Water	02/08/23 15:10	02/10/23 15:30
92651771002	BOW-GWA-36RA	Water	02/08/23 13:20	02/10/23 15:30
92651771003	BOW-GWA-37	Water	02/08/23 12:27	02/10/23 15:30
92651771004	BOW-GWA-38	Water	02/08/23 13:48	02/10/23 15:30
92651771005	BOW-GWC-18	Water	02/09/23 11:25	02/10/23 15:30
92651771006	BOW-GWC-18R	Water	02/09/23 13:30	02/10/23 15:30
92651771007	BOW-GWC-19R	Water	02/09/23 14:40	02/10/23 15:30
92651771008	BOW-GWC-21R	Water	02/09/23 14:55	02/10/23 15:30
92651771009	BOW-GWC-22R	Water	02/09/23 11:56	02/10/23 15:30
92651771010	BOW-GWC-24R	Water	02/09/23 13:46	02/10/23 15:30
92651771011	BOW-GWC-25R	Water	02/09/23 14:56	02/10/23 15:30
92651771012	BOW-LF3-4-FB-11	Water	02/09/23 16:20	02/10/23 15:30
92651771013	BOW-LF3-4-FD-06	Water	02/08/23 00:00	02/10/23 15:30
92651771014	BOW-LF3-4-FB-10	Water	02/08/23 15:15	02/10/23 15:30
92651771015	BOW-GWC-16R	Water	02/10/23 09:55	02/14/23 11:58
92651771016	BOW-GWC-17R	Water	02/10/23 10:38	02/14/23 11:58
92651771017	BOW-GWC-20R	Water	02/10/23 10:25	02/14/23 11:58
92651771018	BOW-GWC-23R	Water	02/10/23 11:20	02/14/23 11:58
92651771019	BOW-SPRING	Water	02/10/23 11:55	02/14/23 11:58
92651771020	BOW-LF3-4-FD-07	Water	02/10/23 00:00	02/14/23 11:58
92651771021	BOW-LF3-4-FB-12	Water	02/10/23 12:30	02/14/23 11:58

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92651771001	BOW-GWA-36A	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771002	BOW-GWA-36RA	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771003	BOW-GWA-37	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771004	BOW-GWA-38	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771005	BOW-GWC-18	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771006	BOW-GWC-18R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771007	BOW-GWC-19R	EPA 6010D	MS	7

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92651771008	BOW-GWC-21R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92651771009	BOW-GWC-22R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92651771010	BOW-GWC-24R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92651771011	BOW-GWC-25R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92651771012	BOW-LF3-4-FB-11	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
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		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92651771014	BOW-LF3-4-FB-10	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92651771015	BOW-GWC-16R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771016	BOW-GWC-17R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92651771017	BOW-GWC-20R	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92651771018	BOW-GWC-23R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771019	BOW-SPRING	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771020	BOW-LF3-4-FD-07	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92651771021	BOW-LF3-4-FB-12	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771001	BOW-GWA-36A					
	Performed by	Client			02/28/23 14:01	
	Collected By	Kevin Stephenson			02/28/23 14:01	
	Collected Date	02/08/23			02/28/23 14:01	
	Collected Time	15:10			02/28/23 14:01	
	pH	6.77	Std. Units		02/28/23 14:01	
EPA 6010D	Zinc	0.017J	mg/L	0.020	02/24/23 20:20	
EPA 6010D	Calcium	51.6	mg/L	1.0	02/24/23 20:20	
EPA 6010D	Iron	0.050	mg/L	0.040	02/24/23 20:20	
EPA 6010D	Manganese	0.012J	mg/L	0.040	02/24/23 20:20	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/24/23 20:20	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/24/23 20:20	
EPA 6010D	Magnesium	26.4	mg/L	0.050	02/24/23 20:20	
EPA 6020B	Barium	0.041	mg/L	0.0050	03/01/23 18:53	
EPA 6020B	Beryllium	0.000077J	mg/L	0.00050	03/01/23 18:53	
EPA 6020B	Boron	0.028J	mg/L	0.040	03/01/23 18:53	
SM 2540C-2015	Total Dissolved Solids	245	mg/L	25.0	02/14/23 12:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	219	mg/L	5.0	02/17/23 15:07	
SM 2320B-2011	Alkalinity, Total as CaCO3	219	mg/L	5.0	02/17/23 15:07	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	02/14/23 19:48	
EPA 300.0 Rev 2.1 1993	Sulfate	24.6	mg/L	1.0	02/14/23 19:48	
92651771002	BOW-GWA-36RA					
	Performed by	Client			02/28/23 14:22	
	Collected By	Kevin Stephenson			02/28/23 14:22	
	Collected Date	02/08/23			02/28/23 14:22	
	Collected Time	13:20			02/28/23 14:22	
	pH	6.88	Std. Units		02/28/23 14:22	
EPA 6010D	Zinc	0.0086J	mg/L	0.020	02/24/23 20:25	
EPA 6010D	Calcium	54.1	mg/L	1.0	02/24/23 20:25	
EPA 6010D	Iron	0.045	mg/L	0.040	02/24/23 20:25	
EPA 6010D	Manganese	0.0092J	mg/L	0.040	02/24/23 20:25	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/24/23 20:25	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/24/23 20:25	
EPA 6010D	Magnesium	27.8	mg/L	0.050	02/24/23 20:25	
EPA 6020B	Barium	0.038	mg/L	0.0050	03/01/23 18:59	
EPA 6020B	Boron	0.023J	mg/L	0.040	03/01/23 18:59	
SM 2540C-2015	Total Dissolved Solids	238	mg/L	25.0	02/14/23 12:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	242	mg/L	5.0	02/17/23 15:15	
SM 2320B-2011	Alkalinity, Total as CaCO3	242	mg/L	5.0	02/17/23 15:15	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/14/23 20:02	
EPA 300.0 Rev 2.1 1993	Sulfate	21.7	mg/L	1.0	02/14/23 20:02	
92651771003	BOW-GWA-37					
	Performed by	Client			02/28/23 14:23	
	Collected By	Kevin Stephenson			02/28/23 14:23	
	Collected Date	02/08/23			02/28/23 14:23	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771003	BOW-GWA-37					
	Collected Time	12:27			02/28/23 14:23	
	pH	5.30	Std. Units		02/28/23 14:23	
EPA 6010D	Calcium	0.70J	mg/L	1.0	02/24/23 20:30	
EPA 6010D	Manganese	0.010J	mg/L	0.040	02/24/23 20:30	
EPA 6010D	Potassium	0.35	mg/L	0.20	02/24/23 20:30	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/24/23 20:30	
EPA 6010D	Magnesium	0.31	mg/L	0.050	02/24/23 20:30	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	03/01/23 19:05	
EPA 6020B	Barium	0.0039J	mg/L	0.0050	03/01/23 19:05	
EPA 6020B	Copper	0.011	mg/L	0.0050	03/01/23 19:05	
EPA 6020B	Nickel	0.012	mg/L	0.0050	03/01/23 19:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	5.2	mg/L	5.0	02/17/23 15:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	5.2	mg/L	5.0	02/17/23 15:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/14/23 20:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.75J	mg/L	1.0	02/14/23 20:17	
92651771004	BOW-GWA-38					
	Performed by	Client			02/28/23 15:25	
	Collected By	Kevin Stephenson			02/28/23 15:25	
	Collected Date	02/08/23			02/28/23 15:25	
	Collected Time	13:48			02/28/23 15:25	
	pH	5.13	Std. Units		02/28/23 15:25	
EPA 6010D	Calcium	1.3	mg/L	1.0	02/24/23 20:34	
EPA 6010D	Manganese	0.038J	mg/L	0.040	02/24/23 20:34	
EPA 6010D	Potassium	0.35	mg/L	0.20	02/24/23 20:34	
EPA 6010D	Sodium	3.7	mg/L	1.0	02/24/23 20:34	
EPA 6010D	Magnesium	0.46	mg/L	0.050	02/24/23 20:34	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/01/23 19:11	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	03/01/23 19:11	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	03/01/23 19:11	
EPA 6020B	Nickel	0.00091J	mg/L	0.0050	03/01/23 19:11	
SM 2540C-2015	Total Dissolved Solids	31.0	mg/L	25.0	02/15/23 11:50	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	02/14/23 21:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.90J	mg/L	1.0	02/14/23 21:17	
92651771005	BOW-GWC-18					
	Performed by	Client			02/28/23 15:26	
	Collected By	Kevin Stephenson			02/28/23 15:26	
	Collected Date	02/09/23			02/28/23 15:26	
	Collected Time	11:25			02/28/23 15:26	
	pH	6.68	Std. Units		02/28/23 15:26	
EPA 6010D	Calcium	26.2	mg/L	1.0	02/24/23 20:39	
EPA 6010D	Manganese	0.0071J	mg/L	0.040	02/24/23 20:39	
EPA 6010D	Potassium	0.78	mg/L	0.20	02/24/23 20:39	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/24/23 20:39	
EPA 6010D	Magnesium	14.5	mg/L	0.050	02/24/23 20:39	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/01/23 19:35	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771005	BOW-GWC-18					
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/01/23 19:35	
SM 2540C-2015	Total Dissolved Solids	175	mg/L	25.0	02/15/23 18:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	118	mg/L	5.0	02/17/23 20:42	
SM 2320B-2011	Alkalinity, Total as CaCO3	118	mg/L	5.0	02/17/23 20:42	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/14/23 21:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	02/14/23 21:32	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/14/23 21:32	
92651771006	BOW-GWC-18R					
	Performed by	Client			02/28/23 15:26	
	Collected By	Kevin Stephenson			02/28/23 15:26	
	Collected Date	02/09/23			02/28/23 15:26	
	Collected Time	13:30			02/28/23 15:26	
	pH	7.46	Std. Units		02/28/23 15:26	
EPA 6010D	Calcium	31.2	mg/L	1.0	02/24/23 20:44	
EPA 6010D	Iron	0.12	mg/L	0.040	02/24/23 20:44	
EPA 6010D	Potassium	0.57	mg/L	0.20	02/24/23 20:44	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/24/23 20:44	
EPA 6010D	Magnesium	17.3	mg/L	0.050	02/24/23 20:44	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/01/23 19:53	
EPA 6020B	Beryllium	0.00015J	mg/L	0.00050	03/01/23 19:53	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	25.0	02/15/23 18:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	145	mg/L	5.0	02/17/23 20:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	145	mg/L	5.0	02/17/23 20:52	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/14/23 21:46	
EPA 300.0 Rev 2.1 1993	Sulfate	2.4	mg/L	1.0	02/14/23 21:46	
92651771007	BOW-GWC-19R					
	Performed by	Client			02/28/23 15:27	
	Collected By	Kevin Stephenson			02/28/23 15:27	
	Collected Date	02/09/23			02/28/23 15:27	
	Collected Time	14:40			02/28/23 15:27	
	pH	7.38	Std. Units		02/28/23 15:27	
EPA 6010D	Calcium	33.7	mg/L	1.0	02/24/23 20:59	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/24/23 20:59	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/24/23 20:59	
EPA 6010D	Magnesium	18.5	mg/L	0.050	02/24/23 20:59	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/01/23 19:59	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	25.0	02/15/23 18:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	02/17/23 21:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	02/17/23 21:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	02/14/23 22:31	
EPA 300.0 Rev 2.1 1993	Sulfate	4.0	mg/L	1.0	02/14/23 22:31	
92651771008	BOW-GWC-21R					
	Performed by	Client			02/28/23 15:27	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771008	BOW-GWC-21R					
	Collected By	Kevin Stephenson			02/28/23 15:27	
	Collected Date	02/09/23			02/28/23 15:27	
	Collected Time	14:55			02/28/23 15:27	
	pH	7.13	Std. Units		02/28/23 15:27	
EPA 6010D	Zinc	0.012J	mg/L	0.020	02/24/23 21:03	
EPA 6010D	Calcium	68.2	mg/L	1.0	02/24/23 21:03	
EPA 6010D	Iron	0.17	mg/L	0.040	02/24/23 21:03	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/24/23 21:03	
EPA 6010D	Sodium	19.0	mg/L	1.0	02/24/23 21:03	
EPA 6010D	Magnesium	34.6	mg/L	0.050	02/24/23 21:03	
EPA 6020B	Antimony	0.0064	mg/L	0.0030	03/01/23 20:05	
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Boron	0.012J	mg/L	0.040	03/01/23 20:05	
EPA 6020B	Chromium	0.0017J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Copper	0.0011J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	03/01/23 20:05	
EPA 6020B	Thallium	0.00029J	mg/L	0.0010	03/01/23 20:05	
SM 2540C-2015	Total Dissolved Solids	317	mg/L	25.0	02/15/23 18:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	341	mg/L	5.0	02/18/23 08:41	
SM 2320B-2011	Alkalinity, Total as CaCO3	341	mg/L	5.0	02/18/23 08:41	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/14/23 22:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/14/23 22:46	
EPA 300.0 Rev 2.1 1993	Sulfate	16.8	mg/L	1.0	02/14/23 22:46	
92651771009	BOW-GWC-22R					
	Performed by	Client			02/28/23 15:28	
	Collected By	Kevin Stephenson			02/28/23 15:28	
	Collected Date	02/09/23			02/28/23 15:28	
	Collected Time	11:56			02/28/23 15:28	
	pH	7.05	Std. Units		02/28/23 15:28	
EPA 6010D	Calcium	37.0	mg/L	1.0	02/24/23 21:08	
EPA 6010D	Iron	0.58	mg/L	0.040	02/24/23 21:08	
EPA 6010D	Manganese	0.059	mg/L	0.040	02/24/23 21:08	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/24/23 21:08	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/24/23 21:08	
EPA 6010D	Magnesium	19.9	mg/L	0.050	02/24/23 21:08	
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	03/01/23 20:11	
EPA 6020B	Barium	0.040	mg/L	0.0050	03/01/23 20:11	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	03/01/23 20:11	
SM 2540C-2015	Total Dissolved Solids	328	mg/L	25.0	02/15/23 18:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	02/17/23 21:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	175	mg/L	5.0	02/17/23 21:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	02/14/23 23:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/14/23 23:00	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/14/23 23:00	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771010	BOW-GWC-24R					
	Performed by	Client			02/28/23 15:29	
	Collected By	Kevin Stephenson			02/28/23 15:29	
	Collected Date	02/09/23			02/28/23 15:29	
	Collected Time	13:46			02/28/23 15:29	
	pH	7.44	Std. Units		02/28/23 15:29	
EPA 6010D	Calcium	32.8	mg/L	1.0	02/24/23 21:13	
EPA 6010D	Iron	0.11	mg/L	0.040	02/24/23 21:13	
EPA 6010D	Manganese	0.0059J	mg/L	0.040	02/24/23 21:13	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/24/23 21:13	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/24/23 21:13	
EPA 6010D	Magnesium	18.3	mg/L	0.050	02/24/23 21:13	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/01/23 20:17	
SM 2540C-2015	Total Dissolved Solids	147	mg/L	25.0	02/15/23 18:47	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	151	mg/L	5.0	02/18/23 07:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	151	mg/L	5.0	02/18/23 07:44	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/14/23 23:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/14/23 23:15	
EPA 300.0 Rev 2.1 1993	Sulfate	2.9	mg/L	1.0	02/14/23 23:15	
92651771011	BOW-GWC-25R					
	Performed by	Client			02/28/23 15:29	
	Collected By	Kevin Stephenson			02/28/23 15:29	
	Collected Date	02/09/23			02/28/23 15:29	
	Collected Time	14:56			02/28/23 15:29	
	pH	7.51	Std. Units		02/28/23 15:29	
EPA 6010D	Calcium	35.6	mg/L	1.0	02/24/23 21:18	
EPA 6010D	Potassium	0.64	mg/L	0.20	02/24/23 21:18	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/24/23 21:18	
EPA 6010D	Magnesium	19.7	mg/L	0.050	02/24/23 21:18	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/01/23 20:23	
SM 2540C-2015	Total Dissolved Solids	169	mg/L	25.0	02/16/23 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	02/18/23 07:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	166	mg/L	5.0	02/18/23 07:55	M1
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/14/23 23:30	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/14/23 23:30	
92651771013	BOW-LF3-4-FD-06					
EPA 6010D	Manganese	0.039J	mg/L	0.040	02/24/23 21:42	
EPA 6010D	Potassium	0.24	mg/L	0.20	02/24/23 21:42	
EPA 6010D	Sodium	3.8	mg/L	1.0	02/24/23 21:42	
EPA 6010D	Calcium	1.3	mg/L	1.0	02/24/23 21:42	
EPA 6010D	Magnesium	0.48	mg/L	0.050	02/24/23 21:42	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/01/23 20:35	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	03/01/23 20:35	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	03/01/23 20:35	
EPA 6020B	Nickel	0.00089J	mg/L	0.0050	03/01/23 20:35	
SM 2540C-2015	Total Dissolved Solids	48.0	mg/L	25.0	02/15/23 11:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771013	BOW-LF3-4-FD-06					
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	02/15/23 00:29	
EPA 300.0 Rev 2.1 1993	Sulfate	0.86J	mg/L	1.0	02/15/23 00:29	
92651771015	BOW-GWC-16R					
	Performed by	Client			02/28/23 15:30	
	Collected By	Kevin Stephenson			02/28/23 15:30	
	Collected Date	02/10/23			02/28/23 15:30	
	Collected Time	09:55			02/28/23 15:30	
	pH	7.02	Std. Units		02/28/23 15:30	
EPA 6010D	Zinc	0.017J	mg/L	0.020	02/24/23 22:16	
EPA 6010D	Calcium	84.6	mg/L	1.0	02/24/23 22:16	
EPA 6010D	Manganese	0.0095J	mg/L	0.040	02/24/23 22:16	
EPA 6010D	Potassium	7.7	mg/L	0.20	02/24/23 22:16	
EPA 6010D	Sodium	27.3	mg/L	1.0	02/24/23 22:16	
EPA 6010D	Magnesium	17.7	mg/L	0.050	02/24/23 22:16	
EPA 6020B	Antimony	0.020	mg/L	0.0030	03/01/23 20:47	
EPA 6020B	Barium	0.053	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Boron	0.020J	mg/L	0.040	03/01/23 20:47	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Copper	0.0012J	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Nickel	0.0050	mg/L	0.0050	03/01/23 20:47	
EPA 6020B	Vanadium	0.0030J	mg/L	0.010	03/01/23 20:47	
SM 2540C-2015	Total Dissolved Solids	369	mg/L	25.0	02/16/23 16:31	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	327	mg/L	5.0	02/21/23 13:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	327	mg/L	5.0	02/21/23 13:44	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	02/17/23 01:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.22	mg/L	0.10	02/17/23 01:22	
EPA 300.0 Rev 2.1 1993	Sulfate	12.1	mg/L	1.0	02/17/23 01:22	
92651771016	BOW-GWC-17R					
	Performed by	Client			02/28/23 15:31	
	Collected By	Kevin Stephenson			02/28/23 15:31	
	Collected Date	02/10/23			02/28/23 15:31	
	Collected Time	10:38			02/28/23 15:31	
	pH	7.12	Std. Units		02/28/23 15:31	
EPA 6010D	Calcium	69.6	mg/L	1.0	02/24/23 22:21	
EPA 6010D	Potassium	0.62	mg/L	0.20	02/24/23 22:21	
EPA 6010D	Sodium	2.9	mg/L	1.0	02/24/23 22:21	
EPA 6010D	Magnesium	36.4	mg/L	0.050	02/24/23 22:21	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/01/23 21:05	
SM 2540C-2015	Total Dissolved Solids	302	mg/L	25.0	02/16/23 16:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	308	mg/L	5.0	02/21/23 13:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	308	mg/L	5.0	02/21/23 13:53	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	02/17/23 01:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	02/17/23 01:36	
EPA 300.0 Rev 2.1 1993	Sulfate	7.6	mg/L	1.0	02/17/23 01:36	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92651771017	BOW-GWC-20R					
	Performed by	Client			02/28/23 15:32	
	Collected By	Kevin Stephenson			02/28/23 15:32	
	Collected Date	02/10/23			02/28/23 15:32	
	Collected Time	10:25			02/28/23 15:32	
	pH	7.34	Std. Units		02/28/23 15:32	
EPA 6010D	Calcium	38.4	mg/L	1.0	02/24/23 22:25	
EPA 6010D	Potassium	0.65	mg/L	0.20	02/24/23 22:25	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/24/23 22:25	
EPA 6010D	Magnesium	21.3	mg/L	0.050	02/24/23 22:25	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/01/23 21:11	
SM 2540C-2015	Total Dissolved Solids	226	mg/L	25.0	02/16/23 16:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	181	mg/L	5.0	02/21/23 12:20	
SM 2320B-2011	Alkalinity, Total as CaCO3	181	mg/L	5.0	02/21/23 12:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/17/23 01:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	02/17/23 01:51	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/17/23 01:51	
92651771018	BOW-GWC-23R					
	Performed by	Client			02/28/23 15:32	
	Collected By	Kevin Stephenson			02/28/23 15:32	
	Collected Date	02/10/23			02/28/23 15:32	
	Collected Time	11:20			02/28/23 15:32	
	pH	7.01	Std. Units		02/28/23 15:32	
EPA 6010D	Calcium	68.7	mg/L	1.0	02/24/23 22:30	
EPA 6010D	Iron	0.44	mg/L	0.040	02/24/23 22:30	
EPA 6010D	Manganese	0.089	mg/L	0.040	02/24/23 22:30	
EPA 6010D	Potassium	2.3	mg/L	0.20	02/24/23 22:30	
EPA 6010D	Sodium	88.7	mg/L	1.0	02/24/23 22:30	
EPA 6010D	Magnesium	36.2	mg/L	0.050	02/24/23 22:30	
EPA 6020B	Arsenic	0.0032J	mg/L	0.0050	03/01/23 21:16	
EPA 6020B	Barium	0.038	mg/L	0.0050	03/01/23 21:16	
SM 2540C-2015	Total Dissolved Solids	533	mg/L	25.0	02/16/23 16:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	451	mg/L	5.0	02/21/23 14:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	451	mg/L	5.0	02/21/23 14:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/17/23 03:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	02/17/23 03:26	
EPA 300.0 Rev 2.1 1993	Sulfate	86.7	mg/L	1.0	02/17/23 03:26	
92651771019	BOW-SPRING					
	Performed by	Client			02/28/23 15:33	
	Collected By	Kevin Stephenson			02/28/23 15:33	
	Collected Date	02/10/23			02/28/23 15:33	
	Collected Time	11:55			02/28/23 15:33	
	pH	7.42	Std. Units		02/28/23 15:33	
EPA 6010D	Calcium	28.5	mg/L	1.0	02/24/23 22:35	
EPA 6010D	Iron	0.086	mg/L	0.040	02/24/23 22:35	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92651771019	BOW-SPRING					
EPA 6010D	Manganese	0.010J	mg/L	0.040	02/24/23 22:35	
EPA 6010D	Potassium	0.74	mg/L	0.20	02/24/23 22:35	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/24/23 22:35	
EPA 6010D	Magnesium	16.0	mg/L	0.050	02/24/23 22:35	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/01/23 21:22	
SM 2540C-2015	Total Dissolved Solids	123	mg/L	25.0	02/16/23 16:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	130	mg/L	5.0	02/21/23 12:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	130	mg/L	5.0	02/21/23 12:38	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/17/23 10:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	02/17/23 10:00	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	02/17/23 10:00	
92651771020	BOW-LF3-4-FD-07					
EPA 6010D	Calcium	37.7	mg/L	1.0	02/24/23 22:40	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/24/23 22:40	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/24/23 22:40	
EPA 6010D	Magnesium	21.0	mg/L	0.050	02/24/23 22:40	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/01/23 21:28	
SM 2540C-2015	Total Dissolved Solids	169	mg/L	25.0	02/16/23 16:35	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	02/21/23 12:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	172	mg/L	5.0	02/21/23 12:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/17/23 10:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/17/23 10:14	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/17/23 10:14	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-36A **Lab ID: 92651771001** Collected: 02/08/23 15:10 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 14:01		
Collected By	Kevin Stephens				1		02/28/23 14:01		
Collected Date	02/08/23				1		02/28/23 14:01		
Collected Time	15:10				1		02/28/23 14:01		
pH	6.77	Std. Units			1		02/28/23 14:01		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.017J	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:20	7440-66-6	
Calcium	51.6	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:20	7440-70-2	
Iron	0.050	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:20	7439-89-6	
Manganese	0.012J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:20	7439-96-5	
Potassium	1.5	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:20	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:20	7440-23-5	
Magnesium	26.4	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:20	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 18:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 18:53	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 18:53	7440-39-3	
Beryllium	0.00077J	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 18:53	7440-41-7	
Boron	0.028J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 18:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 18:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 18:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 18:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 18:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 18:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 18:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 18:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 18:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 18:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 18:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:16	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	245	mg/L	25.0	25.0	1		02/14/23 12:09		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-36A **Lab ID: 92651771001** Collected: 02/08/23 15:10 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	219	mg/L	5.0	5.0	1		02/17/23 15:07		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:07		
Alkalinity, Total as CaCO ₃	219	mg/L	5.0	5.0	1		02/17/23 15:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		02/14/23 19:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 19:48	16984-48-8	
Sulfate	24.6	mg/L	1.0	0.50	1		02/14/23 19:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-36RA **Lab ID: 92651771002** Collected: 02/08/23 13:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 14:22		
Collected By	Kevin Stephens				1		02/28/23 14:22		
Collected Date	02/08/23				1		02/28/23 14:22		
Collected Time	13:20				1		02/28/23 14:22		
pH	6.88	Std. Units			1		02/28/23 14:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.0086J	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:25	7440-66-6	
Calcium	54.1	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:25	7440-70-2	
Iron	0.045	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:25	7439-89-6	
Manganese	0.0092J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:25	7439-96-5	
Potassium	1.4	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:25	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:25	7440-23-5	
Magnesium	27.8	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 18:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 18:59	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 18:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 18:59	7440-41-7	
Boron	0.023J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 18:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 18:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 18:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 18:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 18:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 18:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 18:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 18:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 18:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 18:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 18:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:18	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	238	mg/L	25.0	25.0	1		02/14/23 12:09		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-36RA **Lab ID: 92651771002** Collected: 02/08/23 13:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	242	mg/L	5.0	5.0	1		02/17/23 15:15		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:15		
Alkalinity, Total as CaCO ₃	242	mg/L	5.0	5.0	1		02/17/23 15:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		02/14/23 20:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 20:02	16984-48-8	
Sulfate	21.7	mg/L	1.0	0.50	1		02/14/23 20:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-37 **Lab ID: 92651771003** Collected: 02/08/23 12:27 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						02/28/23 14:23		
Collected By	Kevin						02/28/23 14:23		
	Stephens								
	on								
Collected Date	02/08/23						02/28/23 14:23		
Collected Time	12:27						02/28/23 14:23		
pH	5.30	Std. Units					02/28/23 14:23		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:30	7440-66-6	
Calcium	0.70J	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:30	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:30	7439-89-6	
Manganese	0.010J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:30	7439-96-5	
Potassium	0.35	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:30	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:30	7440-23-5	
Magnesium	0.31	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0013J	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:05	7440-38-2	
Barium	0.0039J	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:05	7440-48-4	
Copper	0.011	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:05	7439-92-1	
Nickel	0.012	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:21	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/14/23 12:10		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-37 **Lab ID: 92651771003** Collected: 02/08/23 12:27 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	5.2	mg/L	5.0	5.0	1		02/17/23 15:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 15:52		
Alkalinity, Total as CaCO3	5.2	mg/L	5.0	5.0	1		02/17/23 15:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/14/23 20:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 20:17	16984-48-8	
Sulfate	0.75J	mg/L	1.0	0.50	1		02/14/23 20:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-38 **Lab ID: 92651771004** Collected: 02/08/23 13:48 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:25		
Collected By	Kevin Stephens				1		02/28/23 15:25		
Collected Date	02/08/23				1		02/28/23 15:25		
Collected Time	13:48				1		02/28/23 15:25		
pH	5.13	Std. Units			1		02/28/23 15:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:34	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:34	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:34	7439-89-6	
Manganese	0.038J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:34	7439-96-5	
Potassium	0.35	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:34	7440-09-7	
Sodium	3.7	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:34	7440-23-5	
Magnesium	0.46	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:34	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:11	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:11	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:11	7440-47-3	
Cobalt	0.0010J	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:11	7439-92-1	
Nickel	0.00091J	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:24	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	31.0	mg/L	25.0	25.0	1		02/15/23 11:50		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWA-38 **Lab ID: 92651771004** Collected: 02/08/23 13:48 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:58		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 15:58		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		02/17/23 15:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		02/14/23 21:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 21:17	16984-48-8	
Sulfate	0.90J	mg/L	1.0	0.50	1		02/14/23 21:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-18 **Lab ID: 92651771005** Collected: 02/09/23 11:25 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						02/28/23 15:26		
Collected By	Kevin Stephens						02/28/23 15:26		
Collected Date	02/09/23						02/28/23 15:26		
Collected Time	11:25						02/28/23 15:26		
pH	6.68	Std. Units					02/28/23 15:26		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:39	7440-66-6	
Calcium	26.2	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:39	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:39	7439-89-6	
Manganese	0.0071J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:39	7439-96-5	
Potassium	0.78	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:39	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:39	7440-23-5	
Magnesium	14.5	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:39	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:35	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:35	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:35	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:35	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:26	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	175	mg/L	25.0	25.0	1		02/15/23 18:44		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-18 **Lab ID: 92651771005** Collected: 02/09/23 11:25 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	118	mg/L	5.0	5.0	1		02/17/23 20:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 20:42		
Alkalinity, Total as CaCO3	118	mg/L	5.0	5.0	1		02/17/23 20:42		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		02/14/23 21:32	16887-00-6	
Fluoride	0.072J	mg/L	0.10	0.050	1		02/14/23 21:32	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/14/23 21:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-GWC-18R **Lab ID: 92651771006** Collected: 02/09/23 13:30 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:26		
Collected By	Kevin Stephens				1		02/28/23 15:26		
Collected Date	02/09/23				1		02/28/23 15:26		
Collected Time	13:30				1		02/28/23 15:26		
pH	7.46	Std. Units			1		02/28/23 15:26		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:44	7440-66-6	
Calcium	31.2	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:44	7440-70-2	
Iron	0.12	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:44	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:44	7439-96-5	
Potassium	0.57	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:44	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:44	7440-23-5	
Magnesium	17.3	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:53	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:53	7440-39-3	
Beryllium	0.00015J	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:29	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	171	mg/L	25.0	25.0	1		02/15/23 18:44		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-18R **Lab ID: 92651771006** Collected: 02/09/23 13:30 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	145	mg/L	5.0	5.0	1		02/17/23 20:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 20:52		
Alkalinity, Total as CaCO3	145	mg/L	5.0	5.0	1		02/17/23 20:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		02/14/23 21:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 21:46	16984-48-8	
Sulfate	2.4	mg/L	1.0	0.50	1		02/14/23 21:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-19R **Lab ID: 92651771007** Collected: 02/09/23 14:40 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1	02/28/23 15:27			
Collected By	Kevin Stephens				1	02/28/23 15:27			
Collected Date	02/09/23				1	02/28/23 15:27			
Collected Time	14:40				1	02/28/23 15:27			
pH	7.38	Std. Units			1	02/28/23 15:27			

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 20:59	7440-66-6	
Calcium	33.7	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 20:59	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 20:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 20:59	7439-96-5	
Potassium	0.66	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 20:59	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 20:59	7440-23-5	
Magnesium	18.5	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 20:59	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 19:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 19:59	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 19:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 19:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 19:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 19:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 19:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 19:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 19:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 19:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 19:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 19:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 19:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 19:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 19:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:32	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	171	mg/L	25.0	25.0	1	02/15/23 18:45			
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-19R **Lab ID: 92651771007** Collected: 02/09/23 14:40 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	150	mg/L	5.0	5.0	1		02/17/23 21:02		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/17/23 21:02		
Alkalinity, Total as CaCO ₃	150	mg/L	5.0	5.0	1		02/17/23 21:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		02/14/23 22:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 22:31	16984-48-8	
Sulfate	4.0	mg/L	1.0	0.50	1		02/14/23 22:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-21R **Lab ID: 92651771008** Collected: 02/09/23 14:55 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:27		
Collected By	Kevin Stephens				1		02/28/23 15:27		
Collected Date	02/09/23				1		02/28/23 15:27		
Collected Time	14:55				1		02/28/23 15:27		
pH	7.13	Std. Units			1		02/28/23 15:27		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.012J	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:03	7440-66-6	
Calcium	68.2	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:03	7440-70-2	
Iron	0.17	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:03	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:03	7439-96-5	
Potassium	1.1	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:03	7440-09-7	
Sodium	19.0	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:03	7440-23-5	
Magnesium	34.6	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:03	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0064	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:05	7440-36-0	
Arsenic	0.0025J	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:05	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:05	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:05	7440-43-9	
Chromium	0.0017J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:05	7440-48-4	
Copper	0.0011J	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:05	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:05	7440-22-4	
Thallium	0.00029J	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:34	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	317	mg/L	25.0	25.0	1		02/15/23 18:45		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-21R **Lab ID: 92651771008** Collected: 02/09/23 14:55 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	341	mg/L	5.0	5.0	1		02/18/23 08:41		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 08:41		
Alkalinity, Total as CaCO3	341	mg/L	5.0	5.0	1		02/18/23 08:41		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		02/14/23 22:46	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/14/23 22:46	16984-48-8	
Sulfate	16.8	mg/L	1.0	0.50	1		02/14/23 22:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-22R **Lab ID: 92651771009** Collected: 02/09/23 11:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						02/28/23 15:28		
Collected By	Kevin Stephens						02/28/23 15:28		
Collected Date	02/09/23						02/28/23 15:28		
Collected Time	11:56						02/28/23 15:28		
pH	7.05	Std. Units					02/28/23 15:28		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:08	7440-66-6
Calcium	37.0	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:08	7440-70-2
Iron	0.58	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:08	7439-89-6
Manganese	0.059	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:08	7439-96-5
Potassium	1.1	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:08	7440-09-7
Sodium	1.7	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:08	7440-23-5
Magnesium	19.9	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:08	7439-95-4

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:11	7440-36-0
Arsenic	0.0030J	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:11	7440-38-2
Barium	0.040	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:11	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:11	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:11	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:11	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:11	7440-47-3
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:11	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:11	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:11	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:11	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:11	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:11	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:11	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:11	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 12:00	03/02/23 16:37	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	328	mg/L	25.0	25.0	1		02/15/23 18:45	
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-22R **Lab ID: 92651771009** Collected: 02/09/23 11:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	5.0	1		02/17/23 21:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 21:19		
Alkalinity, Total as CaCO3	175	mg/L	5.0	5.0	1		02/17/23 21:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		02/14/23 23:00	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/14/23 23:00	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		02/14/23 23:00	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-24R **Lab ID: 92651771010** Collected: 02/09/23 13:46 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						02/28/23 15:29		
Collected By	Kevin						02/28/23 15:29		
	Stephens								
	on								
Collected Date	02/09/23						02/28/23 15:29		
Collected Time	13:46						02/28/23 15:29		
pH	7.44	Std. Units					02/28/23 15:29		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:13	7440-66-6	
Calcium	32.8	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:13	7440-70-2	
Iron	0.11	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:13	7439-89-6	
Manganese	0.0059J	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:13	7439-96-5	
Potassium	0.66	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:13	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:13	7440-23-5	
Magnesium	18.3	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:13	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:17	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:17	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:17	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:17	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:17	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:17	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:17	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:17	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:17	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:08	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	147	mg/L	25.0	25.0	1		02/15/23 18:47		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: **BOW-GWC-24R** Lab ID: **92651771010** Collected: 02/09/23 13:46 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	151	mg/L	5.0	5.0	1		02/18/23 07:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 07:44		
Alkalinity, Total as CaCO3	151	mg/L	5.0	5.0	1		02/18/23 07:44		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.5	mg/L	1.0	0.60	1		02/14/23 23:15	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/14/23 23:15	16984-48-8	
Sulfate	2.9	mg/L	1.0	0.50	1		02/14/23 23:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-GWC-25R **Lab ID: 92651771011** Collected: 02/09/23 14:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:29		
Collected By	Kevin Stephens				1		02/28/23 15:29		
Collected Date	02/09/23				1		02/28/23 15:29		
Collected Time	14:56				1		02/28/23 15:29		
pH	7.51	Std. Units			1		02/28/23 15:29		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/23/23 17:37	02/24/23 21:18	7440-66-6	
Calcium	35.6	mg/L	1.0	0.12	1	02/23/23 17:37	02/24/23 21:18	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/23/23 17:37	02/24/23 21:18	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/23/23 17:37	02/24/23 21:18	7439-96-5	
Potassium	0.64	mg/L	0.20	0.15	1	02/23/23 17:37	02/24/23 21:18	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/23/23 17:37	02/24/23 21:18	7440-23-5	
Magnesium	19.7	mg/L	0.050	0.012	1	02/23/23 17:37	02/24/23 21:18	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:23	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:23	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:18	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	169	mg/L	25.0	25.0	1		02/16/23 16:29		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: **BOW-GWC-25R** Lab ID: **92651771011** Collected: 02/09/23 14:56 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	5.0	1		02/18/23 07:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 07:55		
Alkalinity, Total as CaCO3	166	mg/L	5.0	5.0	1		02/18/23 07:55		M1
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		02/14/23 23:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/23 23:30	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/14/23 23:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-11 **Lab ID: 92651771012** Collected: 02/09/23 16:20 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 21:37	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 21:37	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 21:37	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 21:37	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 21:37	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 21:37	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 21:37	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:29	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:29	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:29	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/16/23 16:30		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 08:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/18/23 08:24		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/18/23 08:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/15/23 00:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/23 00:14	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-11 Lab ID: 92651771012 Collected: 02/09/23 16:20 Received: 02/10/23 15:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/15/23 00:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-LF3-4-FD-06 **Lab ID: 92651771013** Collected: 02/08/23 00:00 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 21:42	7439-89-6	
Manganese	0.039J	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 21:42	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 21:42	7440-66-6	
Potassium	0.24	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 21:42	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 21:42	7440-23-5	
Calcium	1.3	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 21:42	7440-70-2	
Magnesium	0.48	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 21:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:35	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:35	7440-43-9	
Chromium	0.0019J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:35	7440-47-3	
Cobalt	0.0010J	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:35	7439-92-1	
Nickel	0.00089J	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	48.0	mg/L	25.0	25.0	1		02/15/23 11:51		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 16:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 16:03		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/17/23 16:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		02/15/23 00:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/23 00:29	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: **BOW-LF3-4-FD-06** Lab ID: **92651771013** Collected: 02/08/23 00:00 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.86J	mg/L	1.0	0.50	1		02/15/23 00:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-10 **Lab ID: 92651771014** Collected: 02/08/23 15:15 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:11	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:11	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:11	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:11	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:11	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:11	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:11	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:41	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:41	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:41	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:41	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:41	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:41	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:41	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:41	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:26	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/15/23 11:52		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 16:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/17/23 16:08		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/17/23 16:08		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/15/23 00:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/15/23 00:44	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-10 **Lab ID: 92651771014** Collected: 02/08/23 15:15 Received: 02/10/23 15:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/15/23 00:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-GWC-16R **Lab ID: 92651771015** Collected: 02/10/23 09:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:30		
Collected By	Kevin Stephens				1		02/28/23 15:30		
Collected Date	02/10/23				1		02/28/23 15:30		
Collected Time	09:55				1		02/28/23 15:30		
pH	7.02	Std. Units			1		02/28/23 15:30		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	0.017J	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:16	7440-66-6	
Calcium	84.6	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:16	7439-89-6	
Manganese	0.0095J	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:16	7439-96-5	
Potassium	7.7	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:16	7440-09-7	
Sodium	27.3	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:16	7440-23-5	
Magnesium	17.7	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.020	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 20:47	7440-38-2	
Barium	0.053	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 20:47	7440-41-7	
Boron	0.020J	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 20:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 20:47	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 20:47	7440-48-4	
Copper	0.0012J	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 20:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 20:47	7439-92-1	
Nickel	0.0050	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 20:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 20:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 20:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 20:47	7440-28-0	
Vanadium	0.0030J	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 20:47	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:34	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	369	mg/L	25.0	25.0	1		02/16/23 16:31		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-16R **Lab ID: 92651771015** Collected: 02/10/23 09:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	327	mg/L	5.0	5.0	1		02/21/23 13:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:44		
Alkalinity, Total as CaCO3	327	mg/L	5.0	5.0	1		02/21/23 13:44		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.8	mg/L	1.0	0.60	1		02/17/23 01:22	16887-00-6	
Fluoride	0.22	mg/L	0.10	0.050	1		02/17/23 01:22	16984-48-8	
Sulfate	12.1	mg/L	1.0	0.50	1		02/17/23 01:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-GWC-17R **Lab ID: 92651771016** Collected: 02/10/23 10:38 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:31		
Collected By	Kevin Stephens				1		02/28/23 15:31		
Collected Date	02/10/23				1		02/28/23 15:31		
Collected Time	10:38				1		02/28/23 15:31		
pH	7.12	Std. Units			1		02/28/23 15:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:21	7440-66-6	
Calcium	69.6	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:21	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:21	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:21	7439-96-5	
Potassium	0.62	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:21	7440-09-7	
Sodium	2.9	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:21	7440-23-5	
Magnesium	36.4	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:21	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:05	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:37	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	302	mg/L	25.0	25.0	1		02/16/23 16:32		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-17R Lab ID: 92651771016 Collected: 02/10/23 10:38 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	308	mg/L	5.0	5.0	1		02/21/23 13:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:53		
Alkalinity, Total as CaCO3	308	mg/L	5.0	5.0	1		02/21/23 13:53		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	4.7	mg/L	1.0	0.60	1		02/17/23 01:36	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		02/17/23 01:36	16984-48-8	
Sulfate	7.6	mg/L	1.0	0.50	1		02/17/23 01:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-GWC-20R **Lab ID: 92651771017** Collected: 02/10/23 10:25 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:32		
Collected By	Kevin Stephens				1		02/28/23 15:32		
Collected Date	02/10/23				1		02/28/23 15:32		
Collected Time	10:25				1		02/28/23 15:32		
pH	7.34	Std. Units			1		02/28/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:25	7440-66-6	
Calcium	38.4	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:25	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:25	7439-96-5	
Potassium	0.65	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:25	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:25	7440-23-5	
Magnesium	21.3	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:11	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:39	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	226	mg/L	25.0	25.0	1		02/16/23 16:32		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-GWC-20R **Lab ID: 92651771017** Collected: 02/10/23 10:25 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	181	mg/L	5.0	5.0	1		02/21/23 12:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 12:20		
Alkalinity, Total as CaCO3	181	mg/L	5.0	5.0	1		02/21/23 12:20		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/17/23 01:51	16887-00-6	
Fluoride	0.054J	mg/L	0.10	0.050	1		02/17/23 01:51	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/17/23 01:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-GWC-23R **Lab ID: 92651771018** Collected: 02/10/23 11:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:32		
Collected By	Kevin Stephens				1		02/28/23 15:32		
Collected Date	02/10/23				1		02/28/23 15:32		
Collected Time	11:20				1		02/28/23 15:32		
pH	7.01	Std. Units			1		02/28/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:30	7440-66-6	
Calcium	68.7	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:30	7440-70-2	
Iron	0.44	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:30	7439-89-6	
Manganese	0.089	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:30	7439-96-5	
Potassium	2.3	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:30	7440-09-7	
Sodium	88.7	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:30	7440-23-5	
Magnesium	36.2	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:16	7440-36-0	
Arsenic	0.0032J	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:16	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:16	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:16	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:16	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:16	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:16	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:16	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:16	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:16	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:42	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	533	mg/L	25.0	25.0	1		02/16/23 16:32		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: **BOW-GWC-23R** Lab ID: **92651771018** Collected: 02/10/23 11:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	451	mg/L	5.0	5.0	1		02/21/23 14:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 14:02		
Alkalinity, Total as CaCO3	451	mg/L	5.0	5.0	1		02/21/23 14:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/17/23 03:26	16887-00-6	
Fluoride	0.078J	mg/L	0.10	0.050	1		02/17/23 03:26	16984-48-8	
Sulfate	86.7	mg/L	1.0	0.50	1		02/17/23 03:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-SPRING **Lab ID: 92651771019** Collected: 02/10/23 11:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		02/28/23 15:33		
Collected By	Kevin Stephens				1		02/28/23 15:33		
Collected Date	02/10/23				1		02/28/23 15:33		
Collected Time	11:55				1		02/28/23 15:33		
pH	7.42	Std. Units			1		02/28/23 15:33		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:35	7440-66-6	
Calcium	28.5	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:35	7440-70-2	
Iron	0.086	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:35	7439-89-6	
Manganese	0.010J	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:35	7439-96-5	
Potassium	0.74	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:35	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:35	7440-23-5	
Magnesium	16.0	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:22	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:22	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:22	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:22	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:22	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:22	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:22	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:22	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:22	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:22	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:44	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	123	mg/L	25.0	25.0	1		02/16/23 16:33		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-SPRING **Lab ID: 92651771019** Collected: 02/10/23 11:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	130	mg/L	5.0	5.0	1		02/21/23 12:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 12:38		
Alkalinity, Total as CaCO3	130	mg/L	5.0	5.0	1		02/21/23 12:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		02/17/23 10:00	16887-00-6	
Fluoride	0.062J	mg/L	0.10	0.050	1		02/17/23 10:00	16984-48-8	
Sulfate	2.2	mg/L	1.0	0.50	1		02/17/23 10:00	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FD-07 **Lab ID: 92651771020** Collected: 02/10/23 00:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:40	7440-66-6	
Calcium	37.7	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:40	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:40	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:40	7439-96-5	
Potassium	0.66	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:40	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:40	7440-23-5	
Magnesium	21.0	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:40	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 09:47	03/01/23 21:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 09:47	03/01/23 21:28	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/28/23 09:47	03/01/23 21:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 09:47	03/01/23 21:28	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 09:47	03/01/23 21:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 09:47	03/01/23 21:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 09:47	03/01/23 21:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 09:47	03/01/23 21:28	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 09:47	03/01/23 21:28	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 09:47	03/01/23 21:28	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 09:47	03/01/23 21:28	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 09:47	03/01/23 21:28	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 09:47	03/01/23 21:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 09:47	03/01/23 21:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 09:47	03/01/23 21:28	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:47	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	169	mg/L	25.0	25.0	1		02/16/23 16:35		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	5.0	1		02/21/23 12:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 12:48		
Alkalinity, Total as CaCO3	172	mg/L	5.0	5.0	1		02/21/23 12:48		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.0	mg/L	1.0	0.60	1		02/17/23 10:14	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/17/23 10:14	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FD-07 Lab ID: 92651771020 Collected: 02/10/23 00:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	1.8	mg/L	1.0	0.50	1		02/17/23 10:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-12 **Lab ID: 92651771021** Collected: 02/10/23 12:30 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/24/23 09:42	02/24/23 22:54	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/24/23 09:42	02/24/23 22:54	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	02/24/23 09:42	02/24/23 22:54	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	02/24/23 09:42	02/24/23 22:54	7439-96-5	
Potassium	ND	mg/L	0.20	0.15	1	02/24/23 09:42	02/24/23 22:54	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/24/23 09:42	02/24/23 22:54	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/24/23 09:42	02/24/23 22:54	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/28/23 10:21	03/02/23 14:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	02/28/23 10:21	03/02/23 14:59	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/28/23 10:21	03/02/23 14:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/28/23 10:21	03/02/23 14:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/28/23 10:21	03/02/23 14:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/28/23 10:21	03/02/23 14:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/28/23 10:21	03/02/23 14:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/28/23 10:21	03/02/23 14:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	02/28/23 10:21	03/02/23 14:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/28/23 10:21	03/02/23 14:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/28/23 10:21	03/02/23 14:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/28/23 10:21	03/02/23 14:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/28/23 10:21	03/02/23 14:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/28/23 10:21	03/02/23 14:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/28/23 10:21	03/02/23 14:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:50	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/16/23 16:35		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:00		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/21/23 13:00		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/17/23 10:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 10:29	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Sample: BOW-LF3-4-FB-12 **Lab ID: 92651771021** Collected: 02/10/23 12:30 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/17/23 10:29	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch:	757805	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
Associated Lab Samples:		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011			

METHOD BLANK:	3936712	Matrix:	Water
Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011			

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/24/23 19:03	
Iron	mg/L	ND	0.040	0.025	02/24/23 19:03	
Magnesium	mg/L	ND	0.050	0.012	02/24/23 19:03	
Manganese	mg/L	ND	0.040	0.0043	02/24/23 19:03	
Potassium	mg/L	ND	0.20	0.15	02/24/23 19:03	
Sodium	mg/L	ND	1.0	0.58	02/24/23 19:03	
Zinc	mg/L	ND	0.020	0.0085	02/24/23 19:03	

LABORATORY CONTROL SAMPLE: 3936713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.1	107	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Manganese	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Sodium	mg/L	1	1.0	103	80-120	
Zinc	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936714 3936715

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92649235053	Spike Conc.	Spike Conc.	Result								
Calcium	mg/L	ND	1	1	1.3	1.0	129	102	75-125	24	20	M1,R1	
Iron	mg/L	ND	1	1	1.1	1.0	106	104	75-125	2	20		
Magnesium	mg/L	ND	1	1	1.1	1.1	108	106	75-125	1	20		
Manganese	mg/L	ND	1	1	1.0	1.0	105	103	75-125	1	20		
Potassium	mg/L	ND	1	1	0.85	0.84	85	84	75-125	1	20		
Sodium	mg/L	ND	1	1	1.1	1.0	106	102	75-125	4	20		
Zinc	mg/L	ND	1	1	1.0	1.0	105	102	75-125	2	20		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch:	757844	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021		

METHOD BLANK:	3936991	Matrix:	Water
Associated Lab Samples:	92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/24/23 21:28	
Iron	mg/L	ND	0.040	0.025	02/24/23 21:28	
Magnesium	mg/L	ND	0.050	0.012	02/24/23 21:28	
Manganese	mg/L	ND	0.040	0.0043	02/24/23 21:28	
Potassium	mg/L	ND	0.20	0.15	02/24/23 21:28	
Sodium	mg/L	ND	1.0	0.58	02/24/23 21:28	
Zinc	mg/L	ND	0.020	0.0085	02/24/23 21:28	

LABORATORY CONTROL SAMPLE: 3936992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	104	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Manganese	mg/L	1	1.0	103	80-120	
Potassium	mg/L	1	0.96	96	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936993 3936994

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92651771013 Result	Spike Conc.	Spike Conc.	MS Result								
Calcium	mg/L	1.3	1	1	2.3	2.3	96	101	75-125	2	20		
Iron	mg/L	ND	1	1	1.0	1.1	102	105	75-125	2	20		
Magnesium	mg/L	0.48	1	1	1.5	1.5	103	106	75-125	2	20		
Manganese	mg/L	0.039J	1	1	1.0	1.1	100	104	75-125	3	20		
Potassium	mg/L	0.24	1	1	1.4	1.3	115	106	75-125	7	20		
Sodium	mg/L	3.8	1	1	4.7	4.7	91	97	75-125	1	20		
Zinc	mg/L	ND	1	1	1.0	1.0	100	103	75-125	3	20		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 758324 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92651771021

METHOD BLANK: 3939084 Matrix: Water
 Associated Lab Samples: 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/02/23 13:16	
Arsenic	mg/L	ND	0.0050	0.0022	03/02/23 13:16	
Barium	mg/L	ND	0.0050	0.00067	03/02/23 13:16	
Beryllium	mg/L	ND	0.00050	0.000054	03/02/23 13:16	
Boron	mg/L	ND	0.040	0.0086	03/02/23 13:16	
Cadmium	mg/L	ND	0.00050	0.00011	03/02/23 13:16	
Chromium	mg/L	0.0011J	0.0050	0.0011	03/02/23 13:16	
Cobalt	mg/L	ND	0.0050	0.00039	03/02/23 13:16	
Copper	mg/L	ND	0.0050	0.0010	03/02/23 13:16	
Lead	mg/L	ND	0.0010	0.00089	03/02/23 13:16	
Nickel	mg/L	ND	0.0050	0.00071	03/02/23 13:16	
Selenium	mg/L	ND	0.0050	0.0014	03/02/23 13:16	
Silver	mg/L	ND	0.0050	0.00044	03/02/23 13:16	
Thallium	mg/L	ND	0.0010	0.00018	03/02/23 13:16	
Vanadium	mg/L	ND	0.010	0.0019	03/02/23 13:16	

LABORATORY CONTROL SAMPLE: 3939085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	117	80-120	
Arsenic	mg/L	0.1	0.11	105	80-120	
Barium	mg/L	0.1	0.11	105	80-120	
Beryllium	mg/L	0.1	0.11	110	80-120	
Boron	mg/L	1	1.1	109	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.11	105	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	103	80-120	
Silver	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939086 3939087												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92649235052 Result	Spike Conc.	Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	115	114	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	1	20	
Barium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.11	104	107	75-125	3	20	
Boron	mg/L	ND	1	1	1.0	1.1	104	106	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	0	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	105	102	75-125	3	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	105	104	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	105	103	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 758326

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020

METHOD BLANK: 3939098

Matrix: Water

Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/01/23 18:41	
Arsenic	mg/L	ND	0.0050	0.0022	03/01/23 18:41	
Barium	mg/L	ND	0.0050	0.00067	03/01/23 18:41	
Beryllium	mg/L	ND	0.00050	0.000054	03/01/23 18:41	
Boron	mg/L	ND	0.040	0.0086	03/01/23 18:41	
Cadmium	mg/L	ND	0.00050	0.00011	03/01/23 18:41	
Chromium	mg/L	ND	0.0050	0.0011	03/01/23 18:41	
Cobalt	mg/L	ND	0.0050	0.00039	03/01/23 18:41	
Copper	mg/L	ND	0.0050	0.0010	03/01/23 18:41	
Lead	mg/L	ND	0.0010	0.00089	03/01/23 18:41	
Nickel	mg/L	ND	0.0050	0.00071	03/01/23 18:41	
Selenium	mg/L	ND	0.0050	0.0014	03/01/23 18:41	
Silver	mg/L	ND	0.0050	0.00044	03/01/23 18:41	
Thallium	mg/L	ND	0.0010	0.00018	03/01/23 18:41	
Vanadium	mg/L	ND	0.010	0.0019	03/01/23 18:41	

LABORATORY CONTROL SAMPLE: 3939099

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	116	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	105	80-120	
Beryllium	mg/L	0.1	0.10	103	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Nickel	mg/L	0.1	0.10	105	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939100												3939101	
Parameter	Units	92651771004		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Antimony	mg/L	ND	0.1	0.1	0.12	0.11	115	114	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20		
Barium	mg/L	0.013	0.1	0.1	0.11	0.12	101	103	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20		
Boron	mg/L	ND	1	1	0.98	0.97	98	97	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	0	20		
Chromium	mg/L	0.0012J	0.1	0.1	0.11	0.11	107	106	75-125	1	20		
Cobalt	mg/L	0.0010J	0.1	0.1	0.11	0.11	106	104	75-125	2	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20		
Nickel	mg/L	0.00091J	0.1	0.1	0.11	0.11	107	106	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	2	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	109	108	75-125	0	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 758958 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009

METHOD BLANK: 3942317 Matrix: Water
 Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/02/23 15:22	

LABORATORY CONTROL SAMPLE: 3942318

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3942319 3942320

Parameter	Units	92649235049 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0022	86	87	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 759114 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3943308 Matrix: Water
 Associated Lab Samples: 92651771010, 92651771011, 92651771012, 92651771013, 92651771014, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 07:02	

LABORATORY CONTROL SAMPLE: 3943309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943310 3943311

Parameter	Units	92651771010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0023	91	91	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch:	755730	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92651771001, 92651771002, 92651771003

METHOD BLANK: 3926329 Matrix: Water

Associated Lab Samples: 92651771001, 92651771002, 92651771003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/14/23 11:56	

LABORATORY CONTROL SAMPLE: 3926330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	396	99	80-120	

SAMPLE DUPLICATE: 3926331

Parameter	Units	92651580013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	190	203	7	10	

SAMPLE DUPLICATE: 3926332

Parameter	Units	92651382012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	141	138	2	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 755982 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92651771004, 92651771013, 92651771014

METHOD BLANK: 3927602 Matrix: Water
 Associated Lab Samples: 92651771004, 92651771013, 92651771014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/15/23 11:50	

LABORATORY CONTROL SAMPLE: 3927603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3927604

Parameter	Units	92651771004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	31.0	29.0	7	10	

SAMPLE DUPLICATE: 3927605

Parameter	Units	92650184006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	619	623	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 756280 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92651771011, 92651771012, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3929095 Matrix: Water
 Associated Lab Samples: 92651771011, 92651771012, 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/16/23 15:00	

LABORATORY CONTROL SAMPLE: 3929096

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3929098

Parameter	Units	92651771019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	123	119	3	10	

SAMPLE DUPLICATE: 3929113

Parameter	Units	92651771011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	169	185	9	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 756119 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92651771001, 92651771002

METHOD BLANK: 3928501 Matrix: Water
 Associated Lab Samples: 92651771001, 92651771002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/17/23 11:43	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 11:43	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 11:43	

LABORATORY CONTROL SAMPLE: 3928502

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

LABORATORY CONTROL SAMPLE: 3928503

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928504 3928505

Parameter	Units	92651771001		92651771002		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	219	50	50	262	271	86	104	80-120	3	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928506 3928507

Parameter	Units	92651771002		92651771001		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	242	50	50	287	284	90	83	80-120	1	25		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 756264 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92651771003, 92651771004, 92651771013, 92651771014

METHOD BLANK: 3929037 Matrix: Water
 Associated Lab Samples: 92651771003, 92651771004, 92651771013, 92651771014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/17/23 15:34	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 15:34	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 15:34	

LABORATORY CONTROL SAMPLE: 3929038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

LABORATORY CONTROL SAMPLE: 3929039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.3	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929040 3929041

Parameter	Units	92651382018		92651382019		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	57.7	50	50	111	113	107	111	80-120	1	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929042 3929043

Parameter	Units	92651382019		92651382018		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	26.4	50	50	78.1	79.1	103	105	80-120	1	25		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch:	756267	Analysis Method:	SM 2320B-2011
QC Batch Method:	SM 2320B-2011	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012		

METHOD BLANK:	3929051	Matrix:	Water
Associated Lab Samples:	92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/17/23 18:59	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 18:59	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/17/23 18:59	

LABORATORY CONTROL SAMPLE: 3929052						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

LABORATORY CONTROL SAMPLE: 3929053						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.9	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929054												3929055	
Parameter	Units	92651771011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	166	50	50	229	226	126	118	80-120	2	25	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3929056												3929057	
Parameter	Units	92651771012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	ND	50	50	49.0	49.2	98	98	80-120	0	25		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 756619 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3930962 Matrix: Water
 Associated Lab Samples: 92651771015, 92651771016, 92651771017, 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	

LABORATORY CONTROL SAMPLE: 3930963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	80-120	

LABORATORY CONTROL SAMPLE: 3930964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930965 3930966

Parameter	Units	3930965		3930966		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92652194002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							MSD Result
Alkalinity, Total as CaCO3	mg/L	102	50	50	159	157	116	111	80-120	2	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

QC Batch: 755682 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014

METHOD BLANK: 3926132 Matrix: Water
 Associated Lab Samples: 92651771001, 92651771002, 92651771003, 92651771004, 92651771005, 92651771006, 92651771007, 92651771008, 92651771009, 92651771010, 92651771011, 92651771012, 92651771013, 92651771014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/23 15:21	
Fluoride	mg/L	ND	0.10	0.050	02/14/23 15:21	
Sulfate	mg/L	ND	1.0	0.50	02/14/23 15:21	

LABORATORY CONTROL SAMPLE: 3926133

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.7	99	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.1	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926134 3926135

Parameter	Units	92649235055		3926135		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	93.7	50	50	140	141	92	94	90-110	1	10
Fluoride	mg/L	0.11	2.5	2.5	2.9	2.9	111	111	90-110	0	10 M1
Sulfate	mg/L	42.6	50	50	96.6	96.7	108	108	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3926136 3926137

Parameter	Units	92651771006		3926137		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.6	50	50	57.2	57.7	109	110	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	108	109	90-110	1	10
Sulfate	mg/L	2.4	50	50	57.0	57.4	109	110	90-110	1	10

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch:	756233	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92651771015, 92651771016, 92651771017		

METHOD BLANK: 3928918 Matrix: Water
 Associated Lab Samples: 92651771015, 92651771016, 92651771017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/16/23 17:44	
Fluoride	mg/L	ND	0.10	0.050	02/16/23 17:44	
Sulfate	mg/L	ND	1.0	0.50	02/16/23 17:44	

LABORATORY CONTROL SAMPLE: 3928919

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.6	106	90-110	
Sulfate	mg/L	50	50.7	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928920 3928921

Parameter	Units	92652036001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	404	50	50	453	452	97	97	90-110	0	10		
Fluoride	mg/L	14.5	2.5	2.5	15.6	15.6	47	44	90-110	1	10	M1	
Sulfate	mg/L	728	50	50	773	774	90	91	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928922 3928923

Parameter	Units	92652411007		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	36.8	50	50	85.7	86.6	98	100	90-110	1	10		
Fluoride	mg/L	0.11	2.5	2.5	2.3	2.4	89	92	90-110	3	10	M1	
Sulfate	mg/L	1.8	50	50	51.0	51.8	98	100	90-110	2	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

QC Batch: 756234 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92651771018, 92651771019, 92651771020, 92651771021

METHOD BLANK: 3928924 Matrix: Water
 Associated Lab Samples: 92651771018, 92651771019, 92651771020, 92651771021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/23 02:06	
Fluoride	mg/L	ND	0.10	0.050	02/17/23 02:06	
Sulfate	mg/L	ND	1.0	0.50	02/17/23 02:06	

LABORATORY CONTROL SAMPLE: 3928925

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928926 3928927

Parameter	Units	92651771018		92651771020		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Chloride	mg/L	2.0	50	50	50.4	50.8	97	98	90-110	1	10		
Fluoride	mg/L	0.078J	2.5	2.5	2.3	2.4	90	92	90-110	2	10		
Sulfate	mg/L	86.7	50	50	134	136	95	98	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928928 3928929

Parameter	Units	92652194007		92652194008		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Chloride	mg/L	1.0	50	50	49.7	50.1	97	98	90-110	1	10		
Fluoride	mg/L	0.053J	2.5	2.5	2.4	2.5	94	96	90-110	3	10		
Sulfate	mg/L	1.4	50	50	49.8	50.2	97	98	90-110	1	10		

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QUALIFIERS

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4
 Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771001	BOW-GWA-36A				
92651771002	BOW-GWA-36RA				
92651771003	BOW-GWA-37				
92651771004	BOW-GWA-38				
92651771005	BOW-GWC-18				
92651771006	BOW-GWC-18R				
92651771007	BOW-GWC-19R				
92651771008	BOW-GWC-21R				
92651771009	BOW-GWC-22R				
92651771010	BOW-GWC-24R				
92651771011	BOW-GWC-25R				
92651771015	BOW-GWC-16R				
92651771016	BOW-GWC-17R				
92651771017	BOW-GWC-20R				
92651771018	BOW-GWC-23R				
92651771019	BOW-SPRING				
92651771001	BOW-GWA-36A	EPA 3010A	757805	EPA 6010D	757930
92651771002	BOW-GWA-36RA	EPA 3010A	757805	EPA 6010D	757930
92651771003	BOW-GWA-37	EPA 3010A	757805	EPA 6010D	757930
92651771004	BOW-GWA-38	EPA 3010A	757805	EPA 6010D	757930
92651771005	BOW-GWC-18	EPA 3010A	757805	EPA 6010D	757930
92651771006	BOW-GWC-18R	EPA 3010A	757805	EPA 6010D	757930
92651771007	BOW-GWC-19R	EPA 3010A	757805	EPA 6010D	757930
92651771008	BOW-GWC-21R	EPA 3010A	757805	EPA 6010D	757930
92651771009	BOW-GWC-22R	EPA 3010A	757805	EPA 6010D	757930
92651771010	BOW-GWC-24R	EPA 3010A	757805	EPA 6010D	757930
92651771011	BOW-GWC-25R	EPA 3010A	757805	EPA 6010D	757930
92651771012	BOW-LF3-4-FB-11	EPA 3010A	757844	EPA 6010D	757996
92651771013	BOW-LF3-4-FD-06	EPA 3010A	757844	EPA 6010D	757996
92651771014	BOW-LF3-4-FB-10	EPA 3010A	757844	EPA 6010D	757996
92651771015	BOW-GWC-16R	EPA 3010A	757844	EPA 6010D	757996
92651771016	BOW-GWC-17R	EPA 3010A	757844	EPA 6010D	757996
92651771017	BOW-GWC-20R	EPA 3010A	757844	EPA 6010D	757996
92651771018	BOW-GWC-23R	EPA 3010A	757844	EPA 6010D	757996
92651771019	BOW-SPRING	EPA 3010A	757844	EPA 6010D	757996
92651771020	BOW-LF3-4-FD-07	EPA 3010A	757844	EPA 6010D	757996
92651771021	BOW-LF3-4-FB-12	EPA 3010A	757844	EPA 6010D	757996
92651771001	BOW-GWA-36A	EPA 3005A	758326	EPA 6020B	758552
92651771002	BOW-GWA-36RA	EPA 3005A	758326	EPA 6020B	758552
92651771003	BOW-GWA-37	EPA 3005A	758326	EPA 6020B	758552
92651771004	BOW-GWA-38	EPA 3005A	758326	EPA 6020B	758552
92651771005	BOW-GWC-18	EPA 3005A	758326	EPA 6020B	758552
92651771006	BOW-GWC-18R	EPA 3005A	758326	EPA 6020B	758552
92651771007	BOW-GWC-19R	EPA 3005A	758326	EPA 6020B	758552
92651771008	BOW-GWC-21R	EPA 3005A	758326	EPA 6020B	758552
92651771009	BOW-GWC-22R	EPA 3005A	758326	EPA 6020B	758552
92651771010	BOW-GWC-24R	EPA 3005A	758326	EPA 6020B	758552

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771011	BOW-GWC-25R	EPA 3005A	758326	EPA 6020B	758552
92651771012	BOW-LF3-4-FB-11	EPA 3005A	758326	EPA 6020B	758552
92651771013	BOW-LF3-4-FD-06	EPA 3005A	758326	EPA 6020B	758552
92651771014	BOW-LF3-4-FB-10	EPA 3005A	758326	EPA 6020B	758552
92651771015	BOW-GWC-16R	EPA 3005A	758326	EPA 6020B	758552
92651771016	BOW-GWC-17R	EPA 3005A	758326	EPA 6020B	758552
92651771017	BOW-GWC-20R	EPA 3005A	758326	EPA 6020B	758552
92651771018	BOW-GWC-23R	EPA 3005A	758326	EPA 6020B	758552
92651771019	BOW-SPRING	EPA 3005A	758326	EPA 6020B	758552
92651771020	BOW-LF3-4-FD-07	EPA 3005A	758326	EPA 6020B	758552
92651771021	BOW-LF3-4-FB-12	EPA 3005A	758324	EPA 6020B	758562
92651771001	BOW-GWA-36A	EPA 7470A	758958	EPA 7470A	759044
92651771002	BOW-GWA-36RA	EPA 7470A	758958	EPA 7470A	759044
92651771003	BOW-GWA-37	EPA 7470A	758958	EPA 7470A	759044
92651771004	BOW-GWA-38	EPA 7470A	758958	EPA 7470A	759044
92651771005	BOW-GWC-18	EPA 7470A	758958	EPA 7470A	759044
92651771006	BOW-GWC-18R	EPA 7470A	758958	EPA 7470A	759044
92651771007	BOW-GWC-19R	EPA 7470A	758958	EPA 7470A	759044
92651771008	BOW-GWC-21R	EPA 7470A	758958	EPA 7470A	759044
92651771009	BOW-GWC-22R	EPA 7470A	758958	EPA 7470A	759044
92651771010	BOW-GWC-24R	EPA 7470A	759114	EPA 7470A	759159
92651771011	BOW-GWC-25R	EPA 7470A	759114	EPA 7470A	759159
92651771012	BOW-LF3-4-FB-11	EPA 7470A	759114	EPA 7470A	759159
92651771013	BOW-LF3-4-FD-06	EPA 7470A	759114	EPA 7470A	759159
92651771014	BOW-LF3-4-FB-10	EPA 7470A	759114	EPA 7470A	759159
92651771015	BOW-GWC-16R	EPA 7470A	759114	EPA 7470A	759159
92651771016	BOW-GWC-17R	EPA 7470A	759114	EPA 7470A	759159
92651771017	BOW-GWC-20R	EPA 7470A	759114	EPA 7470A	759159
92651771018	BOW-GWC-23R	EPA 7470A	759114	EPA 7470A	759159
92651771019	BOW-SPRING	EPA 7470A	759114	EPA 7470A	759159
92651771020	BOW-LF3-4-FD-07	EPA 7470A	759114	EPA 7470A	759159
92651771021	BOW-LF3-4-FB-12	EPA 7470A	759114	EPA 7470A	759159
92651771001	BOW-GWA-36A	SM 2540C-2015	755730		
92651771002	BOW-GWA-36RA	SM 2540C-2015	755730		
92651771003	BOW-GWA-37	SM 2540C-2015	755730		
92651771004	BOW-GWA-38	SM 2540C-2015	755982		
92651771005	BOW-GWC-18	SM 2540C-2015	755997		
92651771006	BOW-GWC-18R	SM 2540C-2015	755997		
92651771007	BOW-GWC-19R	SM 2540C-2015	755997		
92651771008	BOW-GWC-21R	SM 2540C-2015	755997		
92651771009	BOW-GWC-22R	SM 2540C-2015	755997		
92651771010	BOW-GWC-24R	SM 2540C-2015	755997		
92651771011	BOW-GWC-25R	SM 2540C-2015	756280		
92651771012	BOW-LF3-4-FB-11	SM 2540C-2015	756280		
92651771013	BOW-LF3-4-FD-06	SM 2540C-2015	755982		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4
Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771014	BOW-LF3-4-FB-10	SM 2540C-2015	755982		
92651771015	BOW-GWC-16R	SM 2540C-2015	756280		
92651771016	BOW-GWC-17R	SM 2540C-2015	756280		
92651771017	BOW-GWC-20R	SM 2540C-2015	756280		
92651771018	BOW-GWC-23R	SM 2540C-2015	756280		
92651771019	BOW-SPRING	SM 2540C-2015	756280		
92651771020	BOW-LF3-4-FD-07	SM 2540C-2015	756280		
92651771021	BOW-LF3-4-FB-12	SM 2540C-2015	756280		
92651771001	BOW-GWA-36A	SM 2320B-2011	756119		
92651771002	BOW-GWA-36RA	SM 2320B-2011	756119		
92651771003	BOW-GWA-37	SM 2320B-2011	756264		
92651771004	BOW-GWA-38	SM 2320B-2011	756264		
92651771005	BOW-GWC-18	SM 2320B-2011	756267		
92651771006	BOW-GWC-18R	SM 2320B-2011	756267		
92651771007	BOW-GWC-19R	SM 2320B-2011	756267		
92651771008	BOW-GWC-21R	SM 2320B-2011	756267		
92651771009	BOW-GWC-22R	SM 2320B-2011	756267		
92651771010	BOW-GWC-24R	SM 2320B-2011	756267		
92651771011	BOW-GWC-25R	SM 2320B-2011	756267		
92651771012	BOW-LF3-4-FB-11	SM 2320B-2011	756267		
92651771013	BOW-LF3-4-FD-06	SM 2320B-2011	756264		
92651771014	BOW-LF3-4-FB-10	SM 2320B-2011	756264		
92651771015	BOW-GWC-16R	SM 2320B-2011	756619		
92651771016	BOW-GWC-17R	SM 2320B-2011	756619		
92651771017	BOW-GWC-20R	SM 2320B-2011	756619		
92651771018	BOW-GWC-23R	SM 2320B-2011	756619		
92651771019	BOW-SPRING	SM 2320B-2011	756619		
92651771020	BOW-LF3-4-FD-07	SM 2320B-2011	756619		
92651771021	BOW-LF3-4-FB-12	SM 2320B-2011	756619		
92651771001	BOW-GWA-36A	EPA 300.0 Rev 2.1 1993	755682		
92651771002	BOW-GWA-36RA	EPA 300.0 Rev 2.1 1993	755682		
92651771003	BOW-GWA-37	EPA 300.0 Rev 2.1 1993	755682		
92651771004	BOW-GWA-38	EPA 300.0 Rev 2.1 1993	755682		
92651771005	BOW-GWC-18	EPA 300.0 Rev 2.1 1993	755682		
92651771006	BOW-GWC-18R	EPA 300.0 Rev 2.1 1993	755682		
92651771007	BOW-GWC-19R	EPA 300.0 Rev 2.1 1993	755682		
92651771008	BOW-GWC-21R	EPA 300.0 Rev 2.1 1993	755682		
92651771009	BOW-GWC-22R	EPA 300.0 Rev 2.1 1993	755682		
92651771010	BOW-GWC-24R	EPA 300.0 Rev 2.1 1993	755682		
92651771011	BOW-GWC-25R	EPA 300.0 Rev 2.1 1993	755682		
92651771012	BOW-LF3-4-FB-11	EPA 300.0 Rev 2.1 1993	755682		
92651771013	BOW-LF3-4-FD-06	EPA 300.0 Rev 2.1 1993	755682		
92651771014	BOW-LF3-4-FB-10	EPA 300.0 Rev 2.1 1993	755682		
92651771015	BOW-GWC-16R	EPA 300.0 Rev 2.1 1993	756233		
92651771016	BOW-GWC-17R	EPA 300.0 Rev 2.1 1993	756233		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92651771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92651771017	BOW-GWC-20R	EPA 300.0 Rev 2.1 1993	756233		
92651771018	BOW-GWC-23R	EPA 300.0 Rev 2.1 1993	756234		
92651771019	BOW-SPRING	EPA 300.0 Rev 2.1 1993	756234		
92651771020	BOW-LF3-4-FD-07	EPA 300.0 Rev 2.1 1993	756234		
92651771021	BOW-LF3-4-FB-12	EPA 300.0 Rev 2.1 1993	756234		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanical Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GTA Power

Project #:

WO#: 92651771



Carrier: Fed Ex UPS USPS Client Commercial Parc Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/10/23 [Signature]

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: Wet/Gel: 230 Type of Ice: Wet Block None

Cooler Temp: 3.8 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Sample out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check reaps)? Yes No

Item	Yes	No	N/A	Comments/Discrepancy
Chain of Custody Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Face Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
Includes Date/Time/ID/Analysis Matrix	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Head Space in VOA Vials (>5.6mm)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10.
True Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11.
True Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

Lot ID of split containers _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92651771

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PH: 8V

Due Date: 02/27/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/RO/IS (water) DOC, LUH

CLIENT: OA-OA Power

**Bottom half of box is to list number of bottles

***Check unpreserved Nitrates for chlorine

Method	BP40-125 mL Plastic Unpreserved (N/A) (C-1)	BP40-250 mL Plastic Unpreserved (N/A)	BP70-500 mL Plastic Unpreserved (N/A)	BP70-1 liter Plastic Unpreserved (N/A)	BP40-125 mL Plastic 11%SO4 (pH < 2) (C-1)	BP70-500 mL plastic 11%SO4 (pH < 2)	BP40-125 mL Plastic 2M Acetate & NaOH (1:5)	BP40-125 mL Plastic NaOH (pH > 12) (C-1)	WGR3-W de-ionized Glass (or Unpreserved)	AG30-1 liter Amber Unpreserved (N/A) (C-1)	AG30-1 liter Amber HCl (pH < 2)	AG30-250 mL Amber Unpreserved (N/A) (C-1)	AG30-1 liter Amber 11%SO4 (pH < 2)	AG30-250 mL Amber H2SO4 (pH < 2)	Q990-10 mL Amber NADCl (N/A) (C-1)	Q990-20 mL VOA HCl (N/A)	V990-60 mL VOA H2S O3 (N/A)	V990-40 mL VOA Unpreserved (N/A)	D990-40 mL VOA H2PO4 (N/A)	W970-50 mL Plastic Unpreserved (N/A)	V/GK 13 vials 200 LMPV/H/G/14 (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP70-250 mL Plastic (N=2)SO4 (pH 3-9.7)	AG30-1.0L m. Amber U ⁿ preserved (N/A) (C-1)	V990-20 mL Sterile on vial (N/A)	Q990-20 mL Amber Unpreserved vial (N/A)		
1																													
2																													
3																													
4																													
5																													
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9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (if out of hour, incorrect preservative, out of temp, incorrect containers)



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92651771

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PR: BV

Due Date: 02/27/23

Exceptions: VOA, Coliform, TOC, Di and Grease, DRD/EC15 (water) DOC, LHM

CLIENT: GA-GA Power

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item	Sample Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP30-250 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP20-500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP10-1 Liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP98-125 mL Plastic H2SO4 (pH < 2) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP34-250 mL Plastic HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP47-125 mL Plastic Zn Acetate & HNO3 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP36-125 mL Plastic NaOH (pH > 12) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
WGFU-Wide-mouthed glass jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG30-1 Liter Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG2 1 Liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG30-250 mL Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
AG15-1 Liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG35-250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DS44 40 mL Amber HNO3 (N/A)(C-)		/	/	/	/	/	/	/	/	/	/	/	/
DS39H-40 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VSST-40 mL VOA Na2SO3 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VS90-40 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG90-40 mL VOA VPO6 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP70-50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V/GB (3 vials per kit)-VFA/Gas kit (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP3T-25 mL Sterile Plastic (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
SP3T-250 mL Sterile Plastic (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
BP36-250 mL Monile (PH/TP/MC) (9.3-9.7)		/	/	/	/	/	/	/	/	/	/	/	/
AG101-200 mL Amber Unpreserved (N/A) (C-)		/	/	/	/	/	/	/	/	/	/	/	/
VS90-20 mL Dechlorination vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DG90-40 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy reflecting Non: Conformance (out of range samples) a copy of this form will be sent to the North Carolina DEMR Certification Office for
 Out of Range, Incorrect preservative, out of temp, Added containers

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Chain of Custody and Conditions found at the time samples are collected.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 1 of 3

Section A: Requested Chain Information: Analytical Request: 211 Peach Street Blvd. Inc. ...

Section B: Requested Project Information: Project To: Lead: Michael ...

Section C: Requested Sample Information: Sample ID: SAMPLE ID. One Character per box. Sample IDs must be unique.

Table with columns: Sample ID, Date, Time, Location, etc. Contains rows for various sample types like BOW-GM-10A, BOW-GM-10B, etc.

Administrative fields: Date Requested, Date Received, etc. Includes a signature and date 2/8/23.

Sampling a sample via the chain of custody requires acknowledgment and acceptance of the Paper Terms and Conditions found at www.dshs.texas.gov

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Requested Chain Information:
 Company: George Foster
 Address: 541 North Herd St, Waco, TX 76798
 City: Waco, TX 76798
 Phone: (767) 217-0000 Fax:
 Requested Date: 2/24/23

Requested Project Information:
 Report To: James James, Chief, Suburban
 Copy To: Leah Hagan, Ben Hopkins, Lisa Krul
 Requested By: Ronald

Sample Information:
 Sample ID:
 Address: 211 North Herd St, Waco, TX 76798
 Phone:

Requested Sample Information:
 Requested By: James James Email: jjames@georgefoster.com
 Requested Date: 2/24/23

ITEM #	DESCRIPTION	UNIT	COLLECTED		SAMPLE TEMP AT COLLECTION	NO OF CONTAINERS	TYPE	PRESERVATION						TEMP °C	Remarks (T.N.)	
			DATE	TIME				COOL	REF	STAB	OTHER	SHAKE	STIR			TEST
1	BOV-DONC-201A	WG D				3 2	1									
2	BOV-DONC-201B	WG D				3 2	1									
3	BOV-DONC-201C	WG D	2/9/23	1125		3 2	1								6.68	25
4	BOV-DONC-201D	WG D	2/9/23	1330		3 2	1								7.46	20
5	BOV-DONC-201E	WG D	2/9/23	1440		3 2	1								7.38	20
6	BOV-DONC-201F	WG D				3 2	1									
7	BOV-DONC-201G	WG D	2/9/23	1455		3 2	1								7.13	20
8	BOV-DONC-201H	WG D	2/9/23	1156		3 2	1								7.05	20

Requested Chain Information:
 Company: George Foster
 Address: 541 North Herd St, Waco, TX 76798
 City: Waco, TX 76798
 Phone: (767) 217-0000 Fax:
 Requested Date: 2/24/23

Requested Project Information:
 Report To: James James, Chief, Suburban
 Copy To: Leah Hagan, Ben Hopkins, Lisa Krul
 Requested By: Ronald

Sample Information:
 Sample ID:
 Address: 211 North Herd St, Waco, TX 76798
 Phone:

Requested Sample Information:
 Requested By: James James Email: jjames@georgefoster.com
 Requested Date: 2/24/23

Requested Chain Information:
 Company: George Foster
 Address: 541 North Herd St, Waco, TX 76798
 City: Waco, TX 76798
 Phone: (767) 217-0000 Fax:
 Requested Date: 2/24/23

Requested Project Information:
 Report To: James James, Chief, Suburban
 Copy To: Leah Hagan, Ben Hopkins, Lisa Krul
 Requested By: Ronald

Sample Information:
 Sample ID:
 Address: 211 North Herd St, Waco, TX 76798
 Phone:

Requested Sample Information:
 Requested By: James James Email: jjames@georgefoster.com
 Requested Date: 2/24/23

Page

Standard of sample and that of all of our body cover lines acknowledgment and acceptance of the Price Terms and Conditions found at the bottom of this page. The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

CHAIN-OF-CUSTODY / Analytical Request Document

Section A
 Analytical Request Information:
 Project No: 211 RAMP W/CDM BOND INC
 Client: 211 RAMP W/CDM BOND INC
 Project Name: 211 RAMP W/CDM BOND INC
 Project Address: 211 RAMP W/CDM BOND INC
 Project City: Marietta, GA 30068
 Project State: GA
 Project Zip: 30068
 Project Contact: [Blank]
 Project Phone: [Blank]
 Project Email: [Blank]

Section B
 Requested Project Information:
 Project No: [Blank]
 Client To: [Blank]
 Project Name: [Blank]
 Project Address: [Blank]
 Project City: [Blank]
 Project State: [Blank]
 Project Zip: [Blank]
 Project Contact: [Blank]
 Project Phone: [Blank]
 Project Email: [Blank]

Section C
 Invoicing Information:
 Project No: [Blank]
 Client To: [Blank]
 Project Name: [Blank]
 Project Address: [Blank]
 Project City: [Blank]
 Project State: [Blank]
 Project Zip: [Blank]
 Project Contact: [Blank]
 Project Phone: [Blank]
 Project Email: [Blank]

ITEM #	DESCRIPTION	QTY	UNIT	DATE	TIME	METHODS USED AT COLLECTION	# OF CONTAINERS						ANALYSIS TYPE	REMARKS		
							UNPREPARED	NEEDLE	SWAB	WASH	WETTED	OTHER				
1	ROW-CHOC-20R	1	Q													
2	ROW-CHOC-20R	1	Q													
3	ROW-CHOC-20R	1	Q													
4	ROW-CHOC-20R	1	Q													
5	ROW-CHOC-20R	1	Q													
6	ROW-CHOC-20R	1	Q													
7	ROW-CHOC-20R	1	Q													
8	ROW-CHOC-20R	1	Q													
9	ROW-CHOC-20R	1	Q													
10	ROW-CHOC-20R	1	Q													
11	ROW-CHOC-20R	1	Q													
12	ROW-CHOC-20R	1	Q													
13	ROW-CHOC-20R	1	Q													
14	ROW-CHOC-20R	1	Q													
15	ROW-CHOC-20R	1	Q													
16	ROW-CHOC-20R	1	Q													
17	ROW-CHOC-20R	1	Q													
18	ROW-CHOC-20R	1	Q													
19	ROW-CHOC-20R	1	Q													
20	ROW-CHOC-20R	1	Q													
21	ROW-CHOC-20R	1	Q													
22	ROW-CHOC-20R	1	Q													
23	ROW-CHOC-20R	1	Q													
24	ROW-CHOC-20R	1	Q													
25	ROW-CHOC-20R	1	Q													
26	ROW-CHOC-20R	1	Q													
27	ROW-CHOC-20R	1	Q													
28	ROW-CHOC-20R	1	Q													
29	ROW-CHOC-20R	1	Q													
30	ROW-CHOC-20R	1	Q													
31	ROW-CHOC-20R	1	Q													
32	ROW-CHOC-20R	1	Q													
33	ROW-CHOC-20R	1	Q													
34	ROW-CHOC-20R	1	Q													
35	ROW-CHOC-20R	1	Q													
36	ROW-CHOC-20R	1	Q													
37	ROW-CHOC-20R	1	Q													
38	ROW-CHOC-20R	1	Q													
39	ROW-CHOC-20R	1	Q													
40	ROW-CHOC-20R	1	Q													
41	ROW-CHOC-20R	1	Q													
42	ROW-CHOC-20R	1	Q													
43	ROW-CHOC-20R	1	Q													
44	ROW-CHOC-20R	1	Q													
45	ROW-CHOC-20R	1	Q													
46	ROW-CHOC-20R	1	Q													
47	ROW-CHOC-20R	1	Q													
48	ROW-CHOC-20R	1	Q													
49	ROW-CHOC-20R	1	Q													
50	ROW-CHOC-20R	1	Q													
51	ROW-CHOC-20R	1	Q													
52	ROW-CHOC-20R	1	Q													
53	ROW-CHOC-20R	1	Q													
54	ROW-CHOC-20R	1	Q													
55	ROW-CHOC-20R	1	Q													
56	ROW-CHOC-20R	1	Q													
57	ROW-CHOC-20R	1	Q													
58	ROW-CHOC-20R	1	Q													
59	ROW-CHOC-20R	1	Q													
60	ROW-CHOC-20R	1	Q													
61	ROW-CHOC-20R	1	Q													
62	ROW-CHOC-20R	1	Q													
63	ROW-CHOC-20R	1	Q													
64	ROW-CHOC-20R	1	Q													
65	ROW-CHOC-20R	1	Q													
66	ROW-CHOC-20R	1	Q													
67	ROW-CHOC-20R	1	Q													
68	ROW-CHOC-20R	1	Q													
69	ROW-CHOC-20R	1	Q													
70	ROW-CHOC-20R	1	Q													
71	ROW-CHOC-20R	1	Q													
72	ROW-CHOC-20R	1	Q													
73	ROW-CHOC-20R	1	Q													
74	ROW-CHOC-20R	1	Q													
75	ROW-CHOC-20R	1	Q													
76	ROW-CHOC-20R	1	Q													
77	ROW-CHOC-20R	1	Q													
78	ROW-CHOC-20R	1	Q													
79	ROW-CHOC-20R	1	Q													
80	ROW-CHOC-20R	1	Q													
81	ROW-CHOC-20R	1	Q													
82	ROW-CHOC-20R	1	Q													
83	ROW-CHOC-20R	1	Q													
84	ROW-CHOC-20R	1	Q													
85	ROW-CHOC-20R	1	Q													
86	ROW-CHOC-20R	1	Q													
87	ROW-CHOC-20R	1	Q													
88	ROW-CHOC-20R	1	Q													
89	ROW-CHOC-20R	1	Q													
90	ROW-CHOC-20R	1	Q													
91	ROW-CHOC-20R	1	Q													
92	ROW-CHOC-20R	1	Q													
93	ROW-CHOC-20R	1	Q													
94	ROW-CHOC-20R	1	Q													
95	ROW-CHOC-20R	1	Q													
96	ROW-CHOC-20R	1	Q													
97	ROW-CHOC-20R	1	Q													
98	ROW-CHOC-20R	1	Q													
99	ROW-CHOC-20R	1	Q													
100	ROW-CHOC-20R	1	Q													

ANALYST: [Blank]
 PROJECT NO: [Blank]
 ANALYST SIGNATURE: [Blank]
 DATE: 2/8/23



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Memphis

Sample Location
Use Receipt

Client Name:

GA Power

Project #: W0#: 92651771

Courier: Fed Ex UPS USPS Other: CLIPAC

PH: BY Due Date: 02/27/23
CLIENT: GA-GR Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Time: Person Examining Contents: 2/14/23
CAF

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

230

Type of Ice: Wet Dry None

Cooler Temp:

4.9

Correction Factor:
Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States (CA, NY, or SF (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match CQC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>W</u>		
Headspace in VOA Vials (>5.6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SAF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exception: VCA, Coliform, TOC, U and Grease, URU/BB15 (water) DOC, Uby

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for Chlorine

Project #

WO#: 92651771

PN: BV

Due Date: 02/27/23

CLIENT: GR-GR Power

Bottle	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP30-250 mL Plastic Unpreserved (N/A)	BP20-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-225 mL Plastic HDPE (pH < 2) (Cl-)	BP20-250 mL Plastic HDPE (pH < 2)	BP42-125 mL Plastic 2N Acetate & NaOH (50)	BP46-125 mL Plastic NaOH (pH > 12) (Cl-)	WGRB Wide-mouthed Glass Jar Unpreserved	AG3U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG25-1 liter Amber H2SO4 (pH < 2)	AG25-250 mL Amber H2SO4 (pH < 2)	DS94-40 mL Amber N/A (N/A) (Cl-)	OD94-40 mL VOA HCl (N/A)	VG9T-40 mL VOA H2SO4 (N/A)	VG8U-40 mL VOA Unpreserved (N/A)	VG9V-40 mL VOA H2PO4 (N/A)	VF7U-50 mL Plastic Unpreserved (N/A)	VX9K 18 vials per kit's v2/HCl as kit (N/A)	SP50-125 mL Stable Plastic (N/A) Lab	SP2T-250 mL Stable Plastic (N/A) Lab	BP90-250 mL Plastic (NH2)2SO4 (pH 3-9.2)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	V85U-20 mL Sealed/Con vials (N/A)	DS9U-40 mL Amber Unpreserved vials (N/A)	
1			2																									
2			2																									
3			2																									
4			2																									
5			2																									
6			2																									
7			2																									
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance sample, a copy of this form will be sent to the North Carolina DENR Certification Office for Out of hold, incorrect preservative, out of comp, or correct containers.

Page

Specifying a Sample via this chain of custody complies with regulatory and accreditation standards and acceptance of the program Terms and Conditions found at <http://www.epa.gov/epaosopr/ocds/index.cfm>

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Project Information:
 Agency: Georgia Dept. of Transportation
 Project ID: From Airport Control Structure
 Location: Lawton State Airport, Marietta, GA
 Activity: Construction of Runway 21/29
 Date: 2/16/23

Requesting Agency:
 Agency: Georgia Dept. of Transportation
 Project Name: Runway 21/29 Construction
 Project ID: 785571

Requester Information:
 Name: [Redacted]
 Title: [Redacted]
 Phone: [Redacted]
 Email: [Redacted]

Site Information:
 Address: 2115 Airport Blvd SE, Marietta, GA 30067
 Project Manager: [Redacted]
 Site ID: 785571

ITEM #	SAMPLE ID	DATE	TIME	MATERIAL AT COLLECTION	# OF CONTAINERS	PRESERVATION							REMARKS					
						UNOPENED	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	NOBDM	
1	BOW-DWC-004	2/16/23	0955	3	2	1	X	X	X	X	X							
2	BOW-DWC-103	2/16/23	1038	3	2	1	X	X	X	X	X							
3	BOW-DWC-161						X	X	X	X	X							
4	BOW-DWC-169						X	X	X	X	X							
5	BOW-DWC-175						X	X	X	X	X							
6	BOW-DWC-184						X	X	X	X	X							
7	BOW-DWC-188						X	X	X	X	X							
8	BOW-DWC-211	2/16/23	1025	3	2	1	X	X	X	X	X							
9	BOW-DWC-234						X	X	X	X	X							

Project ID: 785571
Request Date: 2/16/23
Request Time: 1158
Requester: [Redacted]
Requester Title: [Redacted]
Requester Agency: Georgia Dept. of Transportation
Requester Address: [Redacted]
Requester Phone: [Redacted]
Requester Email: [Redacted]

CHAIN-OF-CUSTODY / Analytical Request Document

This Chain-of-Custody is a LEGAL DOCUMENT. All relevant facts must be documented accurately.

Requester Contact Information:
 Contact: Central Florida
 Address: 241 Bessie Blvd NE
 Atlanta GA 30308
 Phone: (404) 212-0000
 Project # 11201

Requester Project Information:
 Project To: Florida Agency - County Building
 City/State: North Miami Beach, Florida
 Project Name: North Miami
 Requester Name: David J. Williams
 Project # 11201

Analyst Information:
 Analyst Name: Central Florida
 Address: 241 Bessie Blvd NE Atlanta GA 30308
 Phone: (404) 212-0000
 Project # 11201

ITEM #	SAMPLE ID	DATE	TIME	TEMP AT COLLECTION	PRESERVATION								MATERIALS	RESIDUAL CHANGE (Why)		
					Unpreserved	Refrigerated	Freeze	Freeze Dry	Other	Other	Other	Other			Other	Other
1	BOW-014-01	2/10/23	1120	3	2	1										9105/771
2	BOW-014-02	2/10/23	1155	3	2	1										792 019
3	BOW-014-03	2/10/23	---	3	2	1										020
4	BOW-014-04															
5	BOW-014-05															
6	BOW-014-06															
7	BOW-014-07															
8	BOW-014-08															
9	BOW-014-09															
10	BOW-014-10															
11	BOW-014-11															
12	BOW-014-12	2/10/23	1230	3	2	1										021
13	BOW-014-13															
14	BOW-014-14															
15	BOW-014-15															
16	BOW-014-16															
17	BOW-014-17															
18	BOW-014-18															
19	BOW-014-19															
20	BOW-014-20															
21	BOW-014-21															
22	BOW-014-22															
23	BOW-014-23															
24	BOW-014-24															
25	BOW-014-25															
26	BOW-014-26															
27	BOW-014-27															
28	BOW-014-28															
29	BOW-014-29															
30	BOW-014-30															

Requester Information:
 Name: David J. Williams
 Title: Police
 Agency: North Miami Beach Police
 Address: 241 Bessie Blvd NE
 City: North Miami Beach
 State: FL
 Zip: 33162
 Date: 2/10/23

Analyst Information:
 Name: Central Florida
 Title: Analyst
 Agency: Central Florida
 Address: 241 Bessie Blvd NE
 City: Atlanta
 State: GA
 Zip: 30308
 Date: 2/10/23

April 14, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 9 & 10
Pace Project No.: 92652194

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 14, 2023 and February 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

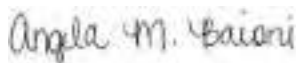
The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

A revised report is being submitted on 4/14/23 due to a compound list reporting error.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power

Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92652194001	BOW-GWA-39Z	Water	02/13/23 12:55	02/14/23 11:58
92652194002	BOW-GWA-40	Water	02/13/23 14:20	02/14/23 11:58
92652194003	BOW-GWA-41	Water	02/13/23 15:00	02/14/23 11:58
92652194004	BOW-GWA-41R	Water	02/13/23 12:20	02/14/23 11:58
92652194005	BOW-GWA-42	Water	02/13/23 10:41	02/14/23 11:58
92652194006	BOW-GWA-43R	Water	02/13/23 16:14	02/14/23 11:58
92652194007	BOW-LF9-10-FD-08	Water	02/13/23 00:00	02/14/23 11:58
92652194008	BOW-LF9-10-FB-13	Water	02/13/23 15:50	02/14/23 11:58
92652194009	BOW-GWA-39RZ	Water	02/14/23 14:20	02/17/23 12:15
92652194010	BOW-GWA-43	Water	02/14/23 11:00	02/17/23 12:15
92652194011	BOW-GWC-44	Water	02/14/23 14:10	02/17/23 12:15
92652194012	BOW-GWC-46R	Water	02/14/23 14:54	02/17/23 12:15
92652194013	BOW-GWC-49R	Water	02/14/23 12:26	02/17/23 12:15
92652194014	BOW-GWC-49Z	Water	02/14/23 13:33	02/17/23 12:15
92652194015	BOW-LF9-10-FB-14	Water	02/14/23 15:18	02/17/23 12:15
92652194016	BOW-LF9-10-EB-5	Water	02/14/23 15:40	02/17/23 12:15
92652194017	BOW-GWC-45	Water	02/14/23 11:15	02/17/23 12:15
92652194018	BOW-GWC-45R	Water	02/14/23 13:20	02/17/23 12:15
92652194019	BOW-GWC-47	Water	02/14/23 10:11	02/17/23 12:15
92652194020	BOW-GWC-47R	Water	02/14/23 11:54	02/17/23 12:15
92652194021	BOW-GWC-48	Water	02/14/23 13:36	02/17/23 12:15
92652194022	BOW-LF9-10-FD-09	Water	02/14/23 00:00	02/17/23 12:15
92652194023	BOW-LF9-10-FB-15	Water	02/14/23 15:38	02/17/23 12:15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652194001	BOW-GWA-39Z	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194002	BOW-GWA-40	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194003	BOW-GWA-41	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194004	BOW-GWA-41R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194005	BOW-GWA-42	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194006	BOW-GWA-43R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194007	BOW-LF9-10-FD-08	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652194008	BOW-LF9-10-FB-13	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652194009	BOW-GWA-39RZ	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92652194010	BOW-GWA-43	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92652194011	BOW-GWC-44	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652194012	BOW-GWC-46R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92652194013	BOW-GWC-49R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652194014	BOW-GWC-49Z	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652194015	BOW-LF9-10-FB-14	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194016	BOW-LF9-10-EB-5	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92652194017	BOW-GWC-45	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652194018	BOW-GWC-45R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194019	BOW-GWC-47	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652194020	BOW-GWC-47R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652194021	BOW-GWC-48	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652194022	BOW-LF9-10-FD-09	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652194023	BOW-LF9-10-FB-15	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194001	BOW-GWA-39Z					
	Performed by	Client			03/08/23 14:16	
	Collected By	Kevin Stephenson			03/08/23 14:16	
	Collected Date	2/13/2023			03/08/23 14:16	
	Collected Time	12:55			03/08/23 14:16	
	pH	6.35	Std. Units		03/08/23 14:16	
EPA 6010D	Calcium	12.8	mg/L	1.0	03/01/23 16:50	
EPA 6010D	Iron	0.030J	mg/L	0.040	03/01/23 16:50	
EPA 6010D	Manganese	0.0051J	mg/L	0.040	03/01/23 16:50	
EPA 6010D	Potassium	1.3	mg/L	0.50	03/01/23 16:50	
EPA 6010D	Sodium	2.0	mg/L	1.0	03/01/23 16:50	
EPA 6010D	Magnesium	6.7	mg/L	0.050	03/01/23 16:50	
EPA 6020B	Antimony	0.00087J	mg/L	0.0030	03/02/23 20:56	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/02/23 20:56	
EPA 6020B	Nickel	0.00095J	mg/L	0.0050	03/02/23 20:56	
SM 2540C-2015	Total Dissolved Solids	105	mg/L	25.0	02/17/23 14:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	63.9	mg/L	5.0	02/21/23 13:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	63.9	mg/L	5.0	02/21/23 13:14	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/17/23 10:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/17/23 10:43	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/17/23 10:43	
92652194002	BOW-GWA-40					
	Performed by	Client			03/08/23 14:22	
	Collected By	Kevin Stephenson			03/08/23 14:22	
	Collected Date	02/13/23			03/08/23 14:22	
	Collected Time	14:20			03/08/23 14:22	
	pH	6.94	Std. Units		03/08/23 14:22	
EPA 6010D	Calcium	18.4	mg/L	1.0	03/01/23 16:55	
EPA 6010D	Potassium	0.89	mg/L	0.50	03/01/23 16:55	
EPA 6010D	Sodium	1.2	mg/L	1.0	03/01/23 16:55	
EPA 6010D	Magnesium	9.6	mg/L	0.050	03/01/23 16:55	
EPA 6020B	Barium	0.0075	mg/L	0.0050	03/02/23 21:02	
SM 2540C-2015	Total Dissolved Solids	259	mg/L	25.0	02/17/23 14:05	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	02/21/23 13:21	
SM 2320B-2011	Alkalinity, Total as CaCO3	102	mg/L	5.0	02/21/23 13:21	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/17/23 10:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	02/17/23 10:58	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/17/23 10:58	
92652194003	BOW-GWA-41					
	Performed by	Client			03/08/23 14:23	
	Collected By	Kevin Stephenson			03/08/23 14:23	
	Collected Date	02/13/23			03/08/23 14:23	
	Collected Time	15:00			03/08/23 14:23	
	pH	6.25	Std. Units		03/08/23 14:23	
EPA 6010D	Calcium	26.9	mg/L	1.0	03/01/23 17:14	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194003	BOW-GWA-41					
EPA 6010D	Potassium	0.93	mg/L	0.50	03/01/23 17:14	
EPA 6010D	Sodium	0.93J	mg/L	1.0	03/01/23 17:14	
EPA 6010D	Magnesium	13.3	mg/L	0.050	03/01/23 17:14	
EPA 6020B	Barium	0.029	mg/L	0.0050	03/02/23 21:08	
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	03/03/23 07:58	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	02/17/23 14:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	119	mg/L	5.0	02/21/23 15:47	
SM 2320B-2011	Alkalinity, Total as CaCO3	119	mg/L	5.0	02/21/23 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/17/23 11:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/17/23 11:12	
EPA 300.0 Rev 2.1 1993	Sulfate	6.0	mg/L	1.0	02/17/23 11:12	
92652194004	BOW-GWA-41R					
	Performed by	Client			03/08/23 14:25	
	Collected By	Kevin Stephenson			03/08/23 14:25	
	Collected Date	02/13/23			03/08/23 14:25	
	Collected Time	12:20			03/08/23 14:25	
	pH	6.45	Std. Units		03/08/23 14:25	
EPA 6010D	Calcium	38.6	mg/L	1.0	03/01/23 17:19	
EPA 6010D	Iron	0.14	mg/L	0.040	03/01/23 17:19	
EPA 6010D	Manganese	0.14	mg/L	0.040	03/01/23 17:19	
EPA 6010D	Potassium	2.0	mg/L	0.50	03/01/23 17:19	
EPA 6010D	Sodium	0.70J	mg/L	1.0	03/01/23 17:19	
EPA 6010D	Magnesium	19.3	mg/L	0.050	03/01/23 17:19	
EPA 6020B	Antimony	0.0045	mg/L	0.0030	03/02/23 21:32	
EPA 6020B	Barium	0.028	mg/L	0.0050	03/02/23 21:32	
EPA 6020B	Boron	0.017J	mg/L	0.040	03/02/23 21:32	
EPA 6020B	Copper	0.0012J	mg/L	0.0050	03/02/23 21:32	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/03/23 08:05	
SM 2540C-2015	Total Dissolved Solids	163	mg/L	25.0	02/17/23 14:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	02/21/23 15:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	188	mg/L	5.0	02/21/23 15:57	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/17/23 11:26	
EPA 300.0 Rev 2.1 1993	Sulfate	10.2	mg/L	1.0	02/17/23 11:26	
92652194005	BOW-GWA-42					
	Performed by	Client			03/08/23 14:26	
	Collected By	Kevin Stephenson			03/08/23 14:26	
	Collected Date	02/13/23			03/08/23 14:26	
	Collected Time	10:41			03/08/23 14:26	
	pH	6.83	Std. Units		03/08/23 14:26	
EPA 6010D	Zinc	0.011J	mg/L	0.020	03/01/23 17:51	
EPA 6010D	Calcium	35.7	mg/L	1.0	03/01/23 17:51	
EPA 6010D	Manganese	0.0056J	mg/L	0.040	03/01/23 17:51	
EPA 6010D	Potassium	0.40J	mg/L	0.50	03/01/23 17:51	
EPA 6010D	Sodium	1.9	mg/L	1.0	03/01/23 17:51	
EPA 6010D	Magnesium	13.6	mg/L	0.050	03/01/23 17:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194005	BOW-GWA-42					
EPA 6020B	Barium	0.0061	mg/L	0.0050	03/02/23 21:38	
EPA 6020B	Beryllium	0.00015J	mg/L	0.00050	03/02/23 21:38	
EPA 6020B	Cobalt	0.00039J	mg/L	0.0050	03/02/23 21:38	
EPA 6020B	Nickel	0.0013J	mg/L	0.0050	03/02/23 21:38	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	03/03/23 08:08	
SM 2540C-2015	Total Dissolved Solids	226	mg/L	25.0	02/17/23 14:06	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/21/23 16:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/21/23 16:09	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/17/23 11:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	02/17/23 11:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/17/23 11:41	
92652194006	BOW-GWA-43R					
	Performed by	Client			03/08/23 14:28	
	Collected By	Kevin Stephenson			03/08/23 14:28	
	Collected Date	02/13/23			03/08/23 14:28	
	Collected Time	16:14			03/08/23 14:28	
	pH	7.82	Std. Units		03/08/23 14:28	
EPA 6010D	Calcium	28.5	mg/L	1.0	03/01/23 17:56	
EPA 6010D	Iron	0.037J	mg/L	0.040	03/01/23 17:56	
EPA 6010D	Manganese	0.0083J	mg/L	0.040	03/01/23 17:56	
EPA 6010D	Potassium	0.49J	mg/L	0.50	03/01/23 17:56	
EPA 6010D	Sodium	1.0	mg/L	1.0	03/01/23 17:56	
EPA 6010D	Magnesium	15.2	mg/L	0.050	03/01/23 17:56	
EPA 6020B	Barium	0.0064	mg/L	0.0050	03/02/23 21:56	
SM 2540C-2015	Total Dissolved Solids	126	mg/L	25.0	02/17/23 14:07	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	02/21/23 16:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	138	mg/L	5.0	02/21/23 16:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	02/17/23 11:55	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/17/23 11:55	
92652194007	BOW-LF9-10-FD-08					
EPA 6010D	Calcium	19.0	mg/L	1.0	03/01/23 18:01	
EPA 6010D	Potassium	0.95	mg/L	0.50	03/01/23 18:01	
EPA 6010D	Sodium	1.3	mg/L	1.0	03/01/23 18:01	
EPA 6010D	Magnesium	9.9	mg/L	0.050	03/01/23 18:01	
EPA 6020B	Barium	0.0072	mg/L	0.0050	03/02/23 22:02	
EPA 7470A	Mercury	0.00014J	mg/L	0.00020	03/03/23 08:13	
SM 2540C-2015	Total Dissolved Solids	169	mg/L	25.0	02/17/23 14:07	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	98.0	mg/L	5.0	02/21/23 16:29	
SM 2320B-2011	Alkalinity, Total as CaCO3	98.0	mg/L	5.0	02/21/23 16:29	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/17/23 12:10	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.10	02/17/23 12:10	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/17/23 12:10	
92652194008	BOW-LF9-10-FB-13					
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	03/03/23 08:16	
SM 2540C-2015	Total Dissolved Solids	52.9	mg/L	25.0	02/17/23 14:08	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194009	BOW-GWA-39RZ					
	Performed by	Client			03/08/23 14:32	
	Collected By	Kevin Stephenson			03/08/23 14:32	
	Collected Date	02/14/23			03/08/23 14:32	
	Collected Time	14:20			03/08/23 14:32	
	pH	7.48	Std. Units		03/08/23 14:32	
EPA 6010D	Calcium	31.4	mg/L	1.0	03/01/23 18:11	
EPA 6010D	Iron	0.035J	mg/L	0.040	03/01/23 18:11	
EPA 6010D	Potassium	1.0	mg/L	0.50	03/01/23 18:11	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/01/23 18:11	
EPA 6010D	Magnesium	15.7	mg/L	0.050	03/01/23 18:11	
EPA 6020B	Antimony	0.0019J	mg/L	0.0030	03/02/23 22:13	
EPA 6020B	Barium	0.014	mg/L	0.0050	03/02/23 22:13	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	25.0	02/20/23 12:35	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	02/22/23 18:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	155	mg/L	5.0	02/22/23 18:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/21/23 16:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.074J	mg/L	0.10	02/21/23 16:31	
EPA 300.0 Rev 2.1 1993	Sulfate	6.3	mg/L	1.0	02/21/23 16:31	
92652194010	BOW-GWA-43					
	Performed by	Client			03/08/23 14:34	
	Collected By	Kevin Stephenson			03/08/23 14:34	
	Collected Date	02/14/23			03/08/23 14:34	
	Collected Time	11:00			03/08/23 14:34	
	pH	5.24	Std. Units		03/08/23 14:34	
EPA 6010D	Calcium	2.2	mg/L	1.0	03/01/23 18:16	
EPA 6010D	Manganese	0.013J	mg/L	0.040	03/01/23 18:16	
EPA 6010D	Potassium	0.28J	mg/L	0.50	03/01/23 18:16	
EPA 6010D	Sodium	1.2	mg/L	1.0	03/01/23 18:16	
EPA 6010D	Magnesium	0.51	mg/L	0.050	03/01/23 18:16	
EPA 6020B	Barium	0.011	mg/L	0.0050	03/02/23 22:19	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	03/02/23 22:19	
SM 2540C-2015	Total Dissolved Solids	60.9	mg/L	25.0	02/20/23 12:37	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	7.4	mg/L	5.0	02/22/23 18:56	
SM 2320B-2011	Alkalinity, Total as CaCO3	7.4	mg/L	5.0	02/22/23 18:56	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/21/23 17:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/21/23 17:16	
92652194011	BOW-GWC-44					
	Performed by	Client			03/08/23 14:35	
	Collected By	Kevin Stephenson			03/08/23 14:35	
	Collected Date	02/14/23			03/08/23 14:35	
	Collected Time	14:10			03/08/23 14:35	
	pH	3.95	Std. Units		03/08/23 14:35	
EPA 6010D	Calcium	12.5	mg/L	1.0	03/01/23 18:20	
EPA 6010D	Manganese	0.052	mg/L	0.040	03/01/23 18:20	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194011	BOW-GWC-44					
EPA 6010D	Potassium	1.6	mg/L	0.50	03/01/23 18:20	
EPA 6010D	Sodium	2.5	mg/L	1.0	03/01/23 18:20	
EPA 6010D	Magnesium	2.2	mg/L	0.050	03/01/23 18:20	
EPA 6020B	Barium	0.042	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Beryllium	0.000062J	mg/L	0.00050	03/02/23 22:25	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/02/23 22:25	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Cobalt	0.0014J	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Copper	0.0054	mg/L	0.0050	03/02/23 22:25	
EPA 6020B	Nickel	0.00073J	mg/L	0.0050	03/02/23 22:25	
SM 2540C-2015	Total Dissolved Solids	70.9	mg/L	25.0	02/20/23 12:37	
EPA 300.0 Rev 2.1 1993	Chloride	5.7	mg/L	1.0	02/21/23 17:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.075J	mg/L	0.10	02/21/23 17:31	
EPA 300.0 Rev 2.1 1993	Sulfate	33.8	mg/L	1.0	02/21/23 17:31	
92652194012	BOW-GWC-46R					
	Performed by	Client			03/08/23 14:36	
	Collected By	Kevin Stephenson			03/08/23 14:36	
	Collected Date	02/14/23			03/08/23 14:36	
	Collected Time	14:54			03/08/23 14:36	
	pH	7.49	Std. Units		03/08/23 14:36	
EPA 6010D	Calcium	41.1	mg/L	1.0	03/01/23 18:25	
EPA 6010D	Potassium	1.7	mg/L	0.50	03/01/23 18:25	
EPA 6010D	Sodium	12.4	mg/L	1.0	03/01/23 18:25	
EPA 6010D	Magnesium	21.6	mg/L	0.050	03/01/23 18:25	
EPA 6020B	Barium	0.011	mg/L	0.0050	03/02/23 22:31	
EPA 6020B	Chromium	0.0050J	mg/L	0.0050	03/02/23 22:31	
SM 2540C-2015	Total Dissolved Solids	199	mg/L	25.0	02/20/23 12:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	227	mg/L	5.0	02/23/23 10:58	
SM 2320B-2011	Alkalinity, Total as CaCO3	227	mg/L	5.0	02/23/23 10:58	
EPA 300.0 Rev 2.1 1993	Chloride	3.7	mg/L	1.0	02/21/23 19:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.091J	mg/L	0.10	02/21/23 19:48	
EPA 300.0 Rev 2.1 1993	Sulfate	4.7	mg/L	1.0	02/21/23 19:48	
92652194013	BOW-GWC-49R					
	Performed by	Client			03/08/23 14:37	
	Collected By	Kevin Stephenson			03/08/23 14:37	
	Collected Date	02/14/23			03/08/23 14:37	
	Collected Time	12:26			03/08/23 14:37	
	pH	7.75	Std. Units		03/08/23 14:37	
EPA 6010D	Calcium	24.3	mg/L	1.0	03/01/23 18:30	
EPA 6010D	Potassium	0.75	mg/L	0.50	03/01/23 18:30	
EPA 6010D	Sodium	1.5	mg/L	1.0	03/01/23 18:30	
EPA 6010D	Magnesium	12.2	mg/L	0.050	03/01/23 18:30	
EPA 6020B	Antimony	0.0037	mg/L	0.0030	03/02/23 22:37	
EPA 6020B	Barium	0.013	mg/L	0.0050	03/02/23 22:37	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	25.0	02/20/23 12:38	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194013	BOW-GWC-49R					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	125	mg/L	5.0	02/22/23 19:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	125	mg/L	5.0	02/22/23 19:23	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/21/23 20:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/21/23 20:03	
92652194014	BOW-GWC-49Z					
	Performed by	Client			03/08/23 14:38	
	Collected By	Kevin Stephenson			03/08/23 14:38	
	Collected Date	02/14/23			03/08/23 14:38	
	Collected Time	13:33			03/08/23 14:38	
	pH	5.15	Std. Units		03/08/23 14:38	
EPA 6010D	Calcium	0.65J	mg/L	1.0	03/01/23 18:35	
EPA 6010D	Iron	0.031J	mg/L	0.040	03/01/23 18:35	
EPA 6010D	Manganese	0.062	mg/L	0.040	03/01/23 18:35	
EPA 6010D	Potassium	0.48J	mg/L	0.50	03/01/23 18:35	
EPA 6010D	Sodium	2.4	mg/L	1.0	03/01/23 18:35	
EPA 6010D	Magnesium	0.29	mg/L	0.050	03/01/23 18:35	
EPA 6020B	Barium	0.0041J	mg/L	0.0050	03/02/23 22:43	
EPA 6020B	Cobalt	0.00096J	mg/L	0.0050	03/02/23 22:43	
EPA 6020B	Nickel	0.0018J	mg/L	0.0050	03/02/23 22:43	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/21/23 20:18	
EPA 300.0 Rev 2.1 1993	Sulfate	0.84J	mg/L	1.0	02/21/23 20:18	
92652194017	BOW-GWC-45					
	Performed by	Client			03/08/23 14:40	
	Collected By	Kevin Stephenson			03/08/23 14:40	
	Collected Date	02/15/23			03/08/23 14:40	
	Collected Time	11:15			03/08/23 14:40	
	pH	4.26	Std. Units		03/08/23 14:40	
EPA 6010D	Calcium	1.0	mg/L	1.0	03/01/23 18:59	
EPA 6010D	Manganese	0.028J	mg/L	0.040	03/01/23 18:59	
EPA 6010D	Potassium	0.38J	mg/L	0.50	03/01/23 18:59	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/01/23 18:59	
EPA 6010D	Magnesium	0.60	mg/L	0.050	03/01/23 18:59	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/02/23 23:13	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	03/02/23 23:13	
EPA 6020B	Nickel	0.00092J	mg/L	0.0050	03/02/23 23:13	
SM 2540C-2015	Total Dissolved Solids	33.9	mg/L	25.0	02/20/23 12:40	
EPA 300.0 Rev 2.1 1993	Chloride	0.81J	mg/L	1.0	02/21/23 21:18	
92652194018	BOW-GWC-45R					
	Performed by	Client			03/08/23 14:41	
	Collected By	Kevin Stephenson			03/08/23 14:41	
	Collected Date	02/15/23			03/08/23 14:41	
	Collected Time	13:20			03/08/23 14:41	
	pH	6.71	Std. Units		03/08/23 14:41	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194018	BOW-GWC-45R					
EPA 6010D	Calcium	47.5	mg/L	1.0	03/01/23 19:04	
EPA 6010D	Iron	0.050	mg/L	0.040	03/01/23 19:04	
EPA 6010D	Potassium	0.95	mg/L	0.50	03/01/23 19:04	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/01/23 19:04	
EPA 6010D	Magnesium	24.9	mg/L	0.050	03/01/23 19:04	
EPA 6020B	Barium	0.025	mg/L	0.0050	03/02/23 23:19	
EPA 6020B	Boron	0.012J	mg/L	0.040	03/02/23 23:19	
EPA 6020B	Chromium	0.0058	mg/L	0.0050	03/02/23 23:19	
EPA 6020B	Nickel	0.0040J	mg/L	0.0050	03/02/23 23:19	
SM 2540C-2015	Total Dissolved Solids	206	mg/L	25.0	02/20/23 12:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	198	mg/L	5.0	02/22/23 19:50	
SM 2320B-2011	Alkalinity, Total as CaCO3	198	mg/L	5.0	02/22/23 19:50	
EPA 300.0 Rev 2.1 1993	Chloride	5.3	mg/L	1.0	02/21/23 22:03	
EPA 300.0 Rev 2.1 1993	Sulfate	10.1	mg/L	1.0	02/21/23 22:03	
92652194019	BOW-GWC-47					
	Performed by	Client			03/08/23 14:42	
	Collected By	Kevin Stephenson			03/08/23 14:42	
	Collected Date	02/15/23			03/08/23 14:42	
	Collected Time	10:11			03/08/23 14:42	
	pH	7.20	Std. Units		03/08/23 14:42	
EPA 6010D	Zinc	0.050	mg/L	0.020	03/01/23 19:09	
EPA 6010D	Calcium	20.5	mg/L	1.0	03/01/23 19:09	
EPA 6010D	Manganese	0.0061J	mg/L	0.040	03/01/23 19:09	
EPA 6010D	Potassium	0.58	mg/L	0.50	03/01/23 19:09	
EPA 6010D	Sodium	3.3	mg/L	1.0	03/01/23 19:09	
EPA 6010D	Magnesium	11.0	mg/L	0.050	03/01/23 19:09	
EPA 6020B	Barium	0.0075	mg/L	0.0050	03/02/23 23:25	
EPA 6020B	Chromium	0.0018J	mg/L	0.0050	03/02/23 23:25	
EPA 6020B	Copper	0.0016J	mg/L	0.0050	03/02/23 23:25	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	02/20/23 12:41	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	99.2	mg/L	5.0	02/22/23 20:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	99.2	mg/L	5.0	02/22/23 20:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/21/23 22:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.10	02/21/23 22:18	
EPA 300.0 Rev 2.1 1993	Sulfate	4.3	mg/L	1.0	02/21/23 22:18	
92652194020	BOW-GWC-47R					
	Performed by	Client			03/08/23 14:43	
	Collected By	Kevin Stephenson			03/08/23 14:43	
	Collected Date	02/15/23			03/08/23 14:43	
	Collected Time	11:54			03/08/23 14:43	
	pH	7.38	Std. Units		03/08/23 14:43	
EPA 6010D	Zinc	0.031	mg/L	0.020	03/01/23 19:14	
EPA 6010D	Calcium	31.6	mg/L	1.0	03/01/23 19:14	
EPA 6010D	Potassium	2.1	mg/L	0.50	03/01/23 19:14	
EPA 6010D	Sodium	3.8	mg/L	1.0	03/01/23 19:14	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652194020	BOW-GWC-47R					
EPA 6010D	Magnesium	14.7	mg/L	0.050	03/01/23 19:14	
EPA 6020B	Antimony	0.0022J	mg/L	0.0030	03/02/23 23:31	
EPA 6020B	Barium	0.0072	mg/L	0.0050	03/02/23 23:31	
EPA 6020B	Chromium	0.0027J	mg/L	0.0050	03/02/23 23:31	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/03/23 09:26	
SM 2540C-2015	Total Dissolved Solids	151	mg/L	25.0	02/20/23 12:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	137	mg/L	5.0	02/22/23 20:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	137	mg/L	5.0	02/22/23 20:10	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	02/21/23 23:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.081J	mg/L	0.10	02/21/23 23:03	
EPA 300.0 Rev 2.1 1993	Sulfate	12.7	mg/L	1.0	02/21/23 23:03	
92652194021	BOW-GWC-48					
	Performed by	Client			03/08/23 14:44	
	Collected By	Kevin Stephenson			03/08/23 14:44	
	Collected Date	02/15/23			03/08/23 14:44	
	Collected Time	13:36			03/08/23 14:44	
	pH	4.75	Std. Units		03/08/23 14:44	
EPA 6010D	Zinc	0.011J	mg/L	0.020	03/01/23 22:37	
EPA 6010D	Calcium	3.0	mg/L	1.0	03/01/23 22:37	
EPA 6010D	Manganese	0.25	mg/L	0.040	03/01/23 22:37	
EPA 6010D	Potassium	0.43J	mg/L	0.50	03/01/23 22:37	
EPA 6010D	Sodium	3.9	mg/L	1.0	03/01/23 22:37	
EPA 6010D	Magnesium	1.1	mg/L	0.050	03/01/23 22:37	
EPA 6020B	Barium	0.040	mg/L	0.0050	03/03/23 15:50	
EPA 6020B	Beryllium	0.00038J	mg/L	0.00050	03/03/23 15:50	
EPA 6020B	Cadmium	0.00015J	mg/L	0.00050	03/03/23 15:50	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	03/03/23 15:50	
EPA 6020B	Cobalt	0.0025J	mg/L	0.0050	03/03/23 15:50	
EPA 6020B	Nickel	0.0058	mg/L	0.0050	03/03/23 15:50	
EPA 7470A	Mercury	0.00064	mg/L	0.00020	03/03/23 09:28	
SM 2540C-2015	Total Dissolved Solids	30.9	mg/L	25.0	02/20/23 12:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	7.5	mg/L	5.0	02/22/23 20:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	7.5	mg/L	5.0	02/22/23 20:30	
EPA 300.0 Rev 2.1 1993	Chloride	6.0	mg/L	1.0	02/21/23 23:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	02/21/23 23:18	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	02/21/23 23:18	
92652194022	BOW-LF9-10-FD-09					
EPA 6010D	Zinc	0.050	mg/L	0.020	03/01/23 22:41	
EPA 6010D	Calcium	20.2	mg/L	1.0	03/01/23 22:41	
EPA 6010D	Iron	0.046	mg/L	0.040	03/01/23 22:41	
EPA 6010D	Manganese	0.0058J	mg/L	0.040	03/01/23 22:41	
EPA 6010D	Potassium	0.73	mg/L	0.50	03/01/23 22:41	
EPA 6010D	Sodium	3.2	mg/L	1.0	03/01/23 22:41	
EPA 6010D	Magnesium	10.8	mg/L	0.050	03/01/23 22:41	
EPA 6020B	Barium	0.0080	mg/L	0.0050	03/03/23 15:56	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92652194022	BOW-LF9-10-FD-09					
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/03/23 15:56	
SM 2540C-2015	Total Dissolved Solids	96.9	mg/L	25.0	02/20/23 12:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	98.8	mg/L	5.0	02/22/23 20:35	
SM 2320B-2011	Alkalinity, Total as CaCO3	98.8	mg/L	5.0	02/22/23 20:35	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/21/23 23:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	02/21/23 23:33	
EPA 300.0 Rev 2.1 1993	Sulfate	4.2	mg/L	1.0	02/21/23 23:33	
92652194023	BOW-LF9-10-FB-15					
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	03/03/23 16:20	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/03/23 09:34	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-39Z **Lab ID: 92652194001** Collected: 02/13/23 12:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:16		
Collected By	Kevin Stephens				1		03/08/23 14:16		
Collected Date	2/13/2023				1		03/08/23 14:16		
Collected Time	12:55				1		03/08/23 14:16		
pH	6.35	Std. Units			1		03/08/23 14:16		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 16:50	7440-66-6	
Calcium	12.8	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 16:50	7440-70-2	
Iron	0.030J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 16:50	7439-89-6	
Manganese	0.0051J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 16:50	7439-96-5	
Potassium	1.3	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 16:50	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 16:50	7440-23-5	
Magnesium	6.7	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 16:50	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00087J	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 20:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 20:56	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 20:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 20:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 20:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 20:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 20:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 20:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 20:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 20:56	7439-92-1	
Nickel	0.00095J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 20:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 20:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 20:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 20:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 20:56	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	105	mg/L	25.0	25.0	1		02/17/23 14:05		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-39Z **Lab ID: 92652194001** Collected: 02/13/23 12:55 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	63.9	mg/L	5.0	5.0	1		02/21/23 13:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:14		
Alkalinity, Total as CaCO3	63.9	mg/L	5.0	5.0	1		02/21/23 13:14		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		02/17/23 10:43	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/17/23 10:43	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/17/23 10:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-40 **Lab ID: 92652194002** Collected: 02/13/23 14:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:22		
Collected By	Kevin Stephens				1		03/08/23 14:22		
Collected Date	02/13/23				1		03/08/23 14:22		
Collected Time	14:20				1		03/08/23 14:22		
pH	6.94	Std. Units			1		03/08/23 14:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 16:55	7440-66-6	
Calcium	18.4	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 16:55	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 16:55	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 16:55	7439-96-5	
Potassium	0.89	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 16:55	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 16:55	7440-23-5	
Magnesium	9.6	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 16:55	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:02	7440-38-2	
Barium	0.0075	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:02	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:55	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	259	mg/L	25.0	25.0	1		02/17/23 14:05		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-40 **Lab ID: 92652194002** Collected: 02/13/23 14:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	5.0	1		02/21/23 13:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 13:21		
Alkalinity, Total as CaCO3	102	mg/L	5.0	5.0	1		02/21/23 13:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/17/23 10:58	16887-00-6	
Fluoride	0.054J	mg/L	0.10	0.050	1		02/17/23 10:58	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/17/23 10:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-41 **Lab ID: 92652194003** Collected: 02/13/23 15:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:23		
Collected By	Kevin Stephens				1		03/08/23 14:23		
Collected Date	02/13/23				1		03/08/23 14:23		
Collected Time	15:00				1		03/08/23 14:23		
pH	6.25	Std. Units			1		03/08/23 14:23		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:14	7440-66-6	
Calcium	26.9	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:14	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:14	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:14	7439-96-5	
Potassium	0.93	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:14	7440-09-7	
Sodium	0.93J	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:14	7440-23-5	
Magnesium	13.3	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:14	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:08	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:08	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00017J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 07:58	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	111	mg/L	25.0	25.0	1		02/17/23 14:06		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-41 **Lab ID: 92652194003** Collected: 02/13/23 15:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	119	mg/L	5.0	5.0	1		02/21/23 15:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 15:47		
Alkalinity, Total as CaCO3	119	mg/L	5.0	5.0	1		02/21/23 15:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/17/23 11:12	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		02/17/23 11:12	16984-48-8	
Sulfate	6.0	mg/L	1.0	0.50	1		02/17/23 11:12	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-41R **Lab ID: 92652194004** Collected: 02/13/23 12:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 14:25		
Collected By	Kevin Stephens						03/08/23 14:25		
Collected Date	02/13/23						03/08/23 14:25		
Collected Time	12:20						03/08/23 14:25		
pH	6.45	Std. Units					03/08/23 14:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:19	7440-66-6	
Calcium	38.6	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:19	7440-70-2	
Iron	0.14	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:19	7439-89-6	
Manganese	0.14	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:19	7439-96-5	
Potassium	2.0	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:19	7440-09-7	
Sodium	0.70J	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:19	7440-23-5	
Magnesium	19.3	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:19	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0045	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:32	7440-38-2	
Barium	0.028	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:32	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:32	7440-48-4	
Copper	0.0012J	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:32	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:32	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:05	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	163	mg/L	25.0	25.0	1		02/17/23 14:06		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-41R **Lab ID: 92652194004** Collected: 02/13/23 12:20 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	5.0	1		02/21/23 15:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 15:57		
Alkalinity, Total as CaCO3	188	mg/L	5.0	5.0	1		02/21/23 15:57		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/17/23 11:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 11:26	16984-48-8	
Sulfate	10.2	mg/L	1.0	0.50	1		02/17/23 11:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-42 **Lab ID: 92652194005** Collected: 02/13/23 10:41 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 14:26		
Collected By	Kevin Stephens						03/08/23 14:26		
Collected Date	02/13/23						03/08/23 14:26		
Collected Time	10:41						03/08/23 14:26		
pH	6.83	Std. Units					03/08/23 14:26		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.011J	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:51	7440-66-6	
Calcium	35.7	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:51	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:51	7439-89-6	
Manganese	0.0056J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:51	7439-96-5	
Potassium	0.40J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:51	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:51	7440-23-5	
Magnesium	13.6	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:51	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:38	7440-38-2	
Barium	0.0061	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:38	7440-39-3	
Beryllium	0.00015J	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:38	7440-47-3	
Cobalt	0.00039J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:38	7439-92-1	
Nickel	0.0013J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:38	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00014J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:08	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	226	mg/L	25.0	25.0	1		02/17/23 14:06		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-42 **Lab ID: 92652194005** Collected: 02/13/23 10:41 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	5.0	1		02/21/23 16:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:09		
Alkalinity, Total as CaCO3	148	mg/L	5.0	5.0	1		02/21/23 16:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/17/23 11:41	16887-00-6	
Fluoride	0.056J	mg/L	0.10	0.050	1		02/17/23 11:41	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		02/17/23 11:41	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-43R **Lab ID: 92652194006** Collected: 02/13/23 16:14 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:28		
Collected By	Kevin Stephens				1		03/08/23 14:28		
Collected Date	02/13/23				1		03/08/23 14:28		
Collected Time	16:14				1		03/08/23 14:28		
pH	7.82	Std. Units			1		03/08/23 14:28		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 17:56	7440-66-6	
Calcium	28.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 17:56	7440-70-2	
Iron	0.037J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 17:56	7439-89-6	
Manganese	0.0083J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 17:56	7439-96-5	
Potassium	0.49J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 17:56	7440-09-7	
Sodium	1.0	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 17:56	7440-23-5	
Magnesium	15.2	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 17:56	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 21:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 21:56	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 21:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 21:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 21:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 21:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 21:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 21:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 21:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 21:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 21:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 21:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 21:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 21:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 21:56	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:11	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	126	mg/L	25.0	25.0	1		02/17/23 14:07		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-43R **Lab ID: 92652194006** Collected: 02/13/23 16:14 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	5.0	1		02/21/23 16:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:19		
Alkalinity, Total as CaCO3	138	mg/L	5.0	5.0	1		02/21/23 16:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.8	mg/L	1.0	0.60	1		02/17/23 11:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 11:55	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/17/23 11:55	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-08 **Lab ID: 92652194007** Collected: 02/13/23 00:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:01	7440-66-6	
Calcium	19.0	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:01	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:01	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:01	7439-96-5	
Potassium	0.95	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:01	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:01	7440-23-5	
Magnesium	9.9	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:01	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:02	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00014J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	169	mg/L	25.0	25.0	1		02/17/23 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	98.0	mg/L	5.0	5.0	1		02/21/23 16:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:29		
Alkalinity, Total as CaCO3	98.0	mg/L	5.0	5.0	1		02/21/23 16:29		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/17/23 12:10	16887-00-6	
Fluoride	0.053J	mg/L	0.10	0.050	1		02/17/23 12:10	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-LF9-10-FD-08** Lab ID: **92652194007** Collected: 02/13/23 00:00 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	1.4	mg/L	1.0	0.50	1		02/17/23 12:10	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-13 **Lab ID: 92652194008** Collected: 02/13/23 15:50 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:06	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:06	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:06	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:06	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:06	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:06	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:08	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00017J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	52.9	mg/L	25.0	25.0	1		02/17/23 14:08		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/21/23 16:38		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/21/23 16:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/17/23 13:22	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/17/23 13:22	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-13 **Lab ID: 92652194008** Collected: 02/13/23 15:50 Received: 02/14/23 11:58 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Sulfate	ND	mg/L	1.0	0.50	1		02/17/23 13:22	14808-79-8	
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-39RZ **Lab ID: 92652194009** Collected: 02/14/23 14:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 14:32		
Collected By	Kevin						03/08/23 14:32		
	Stephens								
	on								
Collected Date	02/14/23						03/08/23 14:32		
Collected Time	14:20						03/08/23 14:32		
pH	7.48	Std. Units					03/08/23 14:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:11	7440-66-6	
Calcium	31.4	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:11	7440-70-2	
Iron	0.035J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:11	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:11	7439-96-5	
Potassium	1.0	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:11	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:11	7440-23-5	
Magnesium	15.7	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:11	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0019J	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:13	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:13	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	149	mg/L	25.0	25.0	1		02/20/23 12:35		D6
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-GWA-39RZ** Lab ID: **92652194009** Collected: 02/14/23 14:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity, Bicarbonate (CaCO ₃)	155	mg/L	5.0	5.0	1		02/22/23 18:45		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 18:45		
Alkalinity, Total as CaCO ₃	155	mg/L	5.0	5.0	1		02/22/23 18:45		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.6	mg/L	1.0	0.60	1		02/21/23 16:31	16887-00-6	
Fluoride	0.074J	mg/L	0.10	0.050	1		02/21/23 16:31	16984-48-8	
Sulfate	6.3	mg/L	1.0	0.50	1		02/21/23 16:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-43 **Lab ID: 92652194010** Collected: 02/14/23 11:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:34		
Collected By	Kevin Stephens				1		03/08/23 14:34		
Collected Date	02/14/23				1		03/08/23 14:34		
Collected Time	11:00				1		03/08/23 14:34		
pH	5.24	Std. Units			1		03/08/23 14:34		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:16	7440-66-6	
Calcium	2.2	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:16	7439-89-6	
Manganese	0.013J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:16	7439-96-5	
Potassium	0.28J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:16	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:16	7440-23-5	
Magnesium	0.51	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:19	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:19	7440-43-9	
Chromium	0.0016J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:54	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	60.9	mg/L	25.0	25.0	1		02/20/23 12:37		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWA-43 **Lab ID: 92652194010** Collected: 02/14/23 11:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	7.4	mg/L	5.0	5.0	1		02/22/23 18:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 18:56		
Alkalinity, Total as CaCO3	7.4	mg/L	5.0	5.0	1		02/22/23 18:56		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		02/21/23 17:16	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/21/23 17:16	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 17:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-44 **Lab ID: 92652194011** Collected: 02/14/23 14:10 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 14:35		
Collected By	Kevin Stephens						03/08/23 14:35		
Collected Date	02/14/23						03/08/23 14:35		
Collected Time	14:10						03/08/23 14:35		
pH	3.95	Std. Units					03/08/23 14:35		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:20	7440-66-6	
Calcium	12.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:20	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:20	7439-89-6	
Manganese	0.052	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:20	7439-96-5	
Potassium	1.6	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:20	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:20	7440-23-5	
Magnesium	2.2	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:20	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:25	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:25	7440-39-3	
Beryllium	0.00062J	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:25	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:25	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:25	7440-47-3	
Cobalt	0.0014J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:25	7440-48-4	
Copper	0.0054	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:25	7439-92-1	
Nickel	0.00073J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:25	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 08:57	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	70.9	mg/L	25.0	25.0	1		02/20/23 12:37		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-44 **Lab ID: 92652194011** Collected: 02/14/23 14:10 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:11		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:11		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.7	mg/L	1.0	0.60	1		02/21/23 17:31	16887-00-6	
Fluoride	0.075J	mg/L	0.10	0.050	1		02/21/23 17:31	16984-48-8	
Sulfate	33.8	mg/L	1.0	0.50	1		02/21/23 17:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-46R **Lab ID: 92652194012** Collected: 02/14/23 14:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:36		
Collected By	Kevin Stephens				1		03/08/23 14:36		
Collected Date	02/14/23				1		03/08/23 14:36		
Collected Time	14:54				1		03/08/23 14:36		
pH	7.49	Std. Units			1		03/08/23 14:36		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:25	7440-66-6	
Calcium	41.1	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:25	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:25	7439-96-5	
Potassium	1.7	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:25	7440-09-7	
Sodium	12.4	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:25	7440-23-5	
Magnesium	21.6	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:31	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:31	7440-43-9	
Chromium	0.0050J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:00	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	199	mg/L	25.0	25.0	1		02/20/23 12:38		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-GWC-46R** Lab ID: **92652194012** Collected: 02/14/23 14:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO ₃)	227	mg/L	5.0	5.0	1		02/23/23 10:58		
Alkalinity,Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/23/23 10:58		
Alkalinity, Total as CaCO ₃	227	mg/L	5.0	5.0	1		02/23/23 10:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.7	mg/L	1.0	0.60	1		02/21/23 19:48	16887-00-6	
Fluoride	0.091J	mg/L	0.10	0.050	1		02/21/23 19:48	16984-48-8	
Sulfate	4.7	mg/L	1.0	0.50	1		02/21/23 19:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-49R **Lab ID: 92652194013** Collected: 02/14/23 12:26 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:37		
Collected By	Kevin Stephens				1		03/08/23 14:37		
Collected Date	02/14/23				1		03/08/23 14:37		
Collected Time	12:26				1		03/08/23 14:37		
pH	7.75	Std. Units			1		03/08/23 14:37		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:30	7440-66-6	
Calcium	24.3	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:30	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:30	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:30	7439-96-5	
Potassium	0.75	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:30	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:30	7440-23-5	
Magnesium	12.2	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0037	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:37	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:02	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	114	mg/L	25.0	25.0	1		02/20/23 12:38		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-49R **Lab ID: 92652194013** Collected: 02/14/23 12:26 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	125	mg/L	5.0	5.0	1		02/22/23 19:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:23		
Alkalinity, Total as CaCO3	125	mg/L	5.0	5.0	1		02/22/23 19:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/21/23 20:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 20:03	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/21/23 20:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-49Z **Lab ID: 92652194014** Collected: 02/14/23 13:33 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 14:38		
Collected By	Kevin Stephens						03/08/23 14:38		
Collected Date	02/14/23						03/08/23 14:38		
Collected Time	13:33						03/08/23 14:38		
pH	5.15	Std. Units					03/08/23 14:38		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:35	7440-66-6	
Calcium	0.65J	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:35	7440-70-2	
Iron	0.031J	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:35	7439-89-6	
Manganese	0.062	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:35	7439-96-5	
Potassium	0.48J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:35	7440-09-7	
Sodium	2.4	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:35	7440-23-5	
Magnesium	0.29	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:43	7440-38-2	
Barium	0.0041J	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:43	7440-47-3	
Cobalt	0.00096J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:43	7439-92-1	
Nickel	0.0018J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:10	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:39		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-GWC-49Z** Lab ID: **92652194014** Collected: 02/14/23 13:33 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:32		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:32		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/21/23 20:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 20:18	16984-48-8	
Sulfate	0.84J	mg/L	1.0	0.50	1		02/21/23 20:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-14 **Lab ID: 92652194015** Collected: 02/14/23 15:18 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:49	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:49	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:49	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:49	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:49	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:49	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 22:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 22:49	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 22:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 22:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 22:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 22:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 22:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 22:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 22:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 22:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 22:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 22:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 22:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 22:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 22:49	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:39		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:37		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:37		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 20:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 20:33	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-LF9-10-FB-14** Lab ID: **92652194015** Collected: 02/14/23 15:18 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 20:33	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-EB-5 **Lab ID: 92652194016** Collected: 02/14/23 15:40 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:54	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:54	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:54	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:54	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:54	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:54	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:54	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:07	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:07	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:15	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:40		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:41		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:41		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:41		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/21/23 21:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 21:03	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-EB-5 Lab ID: 92652194016 Collected: 02/14/23 15:40 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 21:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-45 **Lab ID: 92652194017** Collected: 02/14/23 11:15 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 14:40		
Collected By	Kevin Stephens						03/08/23 14:40		
Collected Date	02/15/23						03/08/23 14:40		
Collected Time	11:15						03/08/23 14:40		
pH	4.26	Std. Units					03/08/23 14:40		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 18:59	7440-66-6	
Calcium	1.0	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 18:59	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 18:59	7439-89-6	
Manganese	0.028J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 18:59	7439-96-5	
Potassium	0.38J	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 18:59	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 18:59	7440-23-5	
Magnesium	0.60	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 18:59	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:13	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:13	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:13	7439-92-1	
Nickel	0.00092J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:13	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:18	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	33.9	mg/L	25.0	25.0	1		02/20/23 12:40		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-GWC-45** Lab ID: **92652194017** Collected: 02/14/23 11:15 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:45		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 19:45		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.81J	mg/L	1.0	0.60	1		02/21/23 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 21:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 21:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-45R **Lab ID: 92652194018** Collected: 02/14/23 13:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:41		
Collected By	Kevin Stephens				1		03/08/23 14:41		
Collected Date	02/15/23				1		03/08/23 14:41		
Collected Time	13:20				1		03/08/23 14:41		
pH	6.71	Std. Units			1		03/08/23 14:41		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 19:04	7440-66-6	
Calcium	47.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 19:04	7440-70-2	
Iron	0.050	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 19:04	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 19:04	7439-96-5	
Potassium	0.95	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 19:04	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 19:04	7440-23-5	
Magnesium	24.9	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 19:04	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:19	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:19	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:19	7440-43-9	
Chromium	0.0058	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:19	7439-92-1	
Nickel	0.0040J	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:21	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	206	mg/L	25.0	25.0	1		02/20/23 12:41		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-45R **Lab ID: 92652194018** Collected: 02/14/23 13:20 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	198	mg/L	5.0	5.0	1		02/22/23 19:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 19:50		
Alkalinity, Total as CaCO3	198	mg/L	5.0	5.0	1		02/22/23 19:50		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.3	mg/L	1.0	0.60	1		02/21/23 22:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 22:03	16984-48-8	
Sulfate	10.1	mg/L	1.0	0.50	1		02/21/23 22:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-47 **Lab ID: 92652194019** Collected: 02/14/23 10:11 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:42		
Collected By	Kevin Stephens				1		03/08/23 14:42		
Collected Date	02/15/23				1		03/08/23 14:42		
Collected Time	10:11				1		03/08/23 14:42		
pH	7.20	Std. Units			1		03/08/23 14:42		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.050	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 19:09	7440-66-6	
Calcium	20.5	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 19:09	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 19:09	7439-89-6	
Manganese	0.0061J	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 19:09	7439-96-5	
Potassium	0.58	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 19:09	7440-09-7	
Sodium	3.3	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 19:09	7440-23-5	
Magnesium	11.0	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 19:09	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:25	7440-38-2	
Barium	0.0075	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:25	7440-43-9	
Chromium	0.0018J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:25	7440-48-4	
Copper	0.0016J	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:25	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:23	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	111	mg/L	25.0	25.0	1		02/20/23 12:41		D6
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-47 **Lab ID: 92652194019** Collected: 02/14/23 10:11 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	99.2	mg/L	5.0	5.0	1		02/22/23 20:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:02		
Alkalinity, Total as CaCO3	99.2	mg/L	5.0	5.0	1		02/22/23 20:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/21/23 22:18	16887-00-6	
Fluoride	0.064J	mg/L	0.10	0.050	1		02/21/23 22:18	16984-48-8	
Sulfate	4.3	mg/L	1.0	0.50	1		02/21/23 22:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-47R **Lab ID: 92652194020** Collected: 02/14/23 11:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:43		
Collected By	Kevin Stephens				1		03/08/23 14:43		
Collected Date	02/15/23				1		03/08/23 14:43		
Collected Time	11:54				1		03/08/23 14:43		
pH	7.38	Std. Units			1		03/08/23 14:43		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.031	mg/L	0.020	0.0085	1	03/01/23 09:43	03/01/23 19:14	7440-66-6	
Calcium	31.6	mg/L	1.0	0.12	1	03/01/23 09:43	03/01/23 19:14	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 09:43	03/01/23 19:14	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 09:43	03/01/23 19:14	7439-96-5	
Potassium	2.1	mg/L	0.50	0.15	1	03/01/23 09:43	03/01/23 19:14	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	03/01/23 09:43	03/01/23 19:14	7440-23-5	
Magnesium	14.7	mg/L	0.050	0.012	1	03/01/23 09:43	03/01/23 19:14	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0022J	mg/L	0.0030	0.00078	1	03/01/23 10:22	03/02/23 23:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 10:22	03/02/23 23:31	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	03/01/23 10:22	03/02/23 23:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 10:22	03/02/23 23:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 10:22	03/02/23 23:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 10:22	03/02/23 23:31	7440-43-9	
Chromium	0.0027J	mg/L	0.0050	0.0011	1	03/01/23 10:22	03/02/23 23:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 10:22	03/02/23 23:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 10:22	03/02/23 23:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 10:22	03/02/23 23:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 10:22	03/02/23 23:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 10:22	03/02/23 23:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 10:22	03/02/23 23:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 10:22	03/02/23 23:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 10:22	03/02/23 23:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:26	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	151	mg/L	25.0	25.0	1		02/20/23 12:42		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-GWC-47R** Lab ID: **92652194020** Collected: 02/14/23 11:54 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	137	mg/L	5.0	5.0	1		02/22/23 20:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:10		
Alkalinity, Total as CaCO3	137	mg/L	5.0	5.0	1		02/22/23 20:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		02/21/23 23:03	16887-00-6	
Fluoride	0.081J	mg/L	0.10	0.050	1		02/21/23 23:03	16984-48-8	
Sulfate	12.7	mg/L	1.0	0.50	1		02/21/23 23:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-GWC-48 **Lab ID: 92652194021** Collected: 02/14/23 13:36 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 14:44		
Collected By	Kevin Stephens				1		03/08/23 14:44		
Collected Date	02/15/23				1		03/08/23 14:44		
Collected Time	13:36				1		03/08/23 14:44		
pH	4.75	Std. Units			1		03/08/23 14:44		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.011J	mg/L	0.020	0.0085	1	03/01/23 13:33	03/01/23 22:37	7440-66-6	
Calcium	3.0	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:37	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 13:33	03/01/23 22:37	7439-89-6	
Manganese	0.25	mg/L	0.040	0.0043	1	03/01/23 13:33	03/01/23 22:37	7439-96-5	
Potassium	0.43J	mg/L	0.50	0.15	1	03/01/23 13:33	03/01/23 22:37	7440-09-7	
Sodium	3.9	mg/L	1.0	0.58	1	03/01/23 13:33	03/01/23 22:37	7440-23-5	
Magnesium	1.1	mg/L	0.050	0.012	1	03/01/23 13:33	03/01/23 22:37	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 15:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 15:50	7440-38-2	
Barium	0.040	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 15:50	7440-39-3	
Beryllium	0.00038J	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 15:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 15:50	7440-42-8	
Cadmium	0.00015J	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 15:50	7440-43-9	
Chromium	0.0019J	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 15:50	7440-47-3	
Cobalt	0.0025J	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 13:15	03/03/23 15:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 15:50	7439-92-1	
Nickel	0.0058	mg/L	0.0050	0.00071	1	03/01/23 13:15	03/03/23 15:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 13:15	03/03/23 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 13:15	03/03/23 15:50	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00064	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:28	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	30.9	mg/L	25.0	25.0	1		02/20/23 12:43		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: **BOW-GWC-48** Lab ID: **92652194021** Collected: 02/14/23 13:36 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	7.5	mg/L	5.0	5.0	1		02/22/23 20:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:30		
Alkalinity, Total as CaCO3	7.5	mg/L	5.0	5.0	1		02/22/23 20:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.0	mg/L	1.0	0.60	1		02/21/23 23:18	16887-00-6	
Fluoride	0.058J	mg/L	0.10	0.050	1		02/21/23 23:18	16984-48-8	
Sulfate	3.0	mg/L	1.0	0.50	1		02/21/23 23:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-09 **Lab ID: 92652194022** Collected: 02/14/23 00:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.050	mg/L	0.020	0.0085	1	03/01/23 13:33	03/01/23 22:41	7440-66-6	
Calcium	20.2	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:41	7440-70-2	
Iron	0.046	mg/L	0.040	0.025	1	03/01/23 13:33	03/01/23 22:41	7439-89-6	
Manganese	0.0058J	mg/L	0.040	0.0043	1	03/01/23 13:33	03/01/23 22:41	7439-96-5	
Potassium	0.73	mg/L	0.50	0.15	1	03/01/23 13:33	03/01/23 22:41	7440-09-7	
Sodium	3.2	mg/L	1.0	0.58	1	03/01/23 13:33	03/01/23 22:41	7440-23-5	
Magnesium	10.8	mg/L	0.050	0.012	1	03/01/23 13:33	03/01/23 22:41	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 15:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 15:56	7440-38-2	
Barium	0.0080	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 15:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 15:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 15:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 15:56	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 15:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 15:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 13:15	03/03/23 15:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 15:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 13:15	03/03/23 15:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 15:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 13:15	03/03/23 15:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 13:15	03/03/23 15:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	96.9	mg/L	25.0	25.0	1		02/20/23 12:43		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	98.8	mg/L	5.0	5.0	1		02/22/23 20:35		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/22/23 20:35		
Alkalinity, Total as CaCO ₃	98.8	mg/L	5.0	5.0	1		02/22/23 20:35		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/21/23 23:33	16887-00-6	
Fluoride	0.068J	mg/L	0.10	0.050	1		02/21/23 23:33	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FD-09 Lab ID: 92652194022 Collected: 02/14/23 00:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	4.2	mg/L	1.0	0.50	1		02/21/23 23:33	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-15 **Lab ID: 92652194023** Collected: 02/14/23 15:38 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 13:33	03/01/23 22:46	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 13:33	03/01/23 22:46	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 13:33	03/01/23 22:46	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 13:33	03/01/23 22:46	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 13:33	03/01/23 22:46	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 13:33	03/01/23 22:46	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 13:33	03/01/23 22:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0013J	mg/L	0.0030	0.00078	1	03/01/23 13:15	03/03/23 16:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 13:15	03/03/23 16:20	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 13:15	03/03/23 16:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 13:15	03/03/23 16:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 13:15	03/03/23 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 13:15	03/03/23 16:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 13:15	03/03/23 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 13:15	03/03/23 16:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 13:15	03/03/23 16:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 13:15	03/03/23 16:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 13:15	03/03/23 16:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 13:15	03/03/23 16:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 13:15	03/03/23 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 13:15	03/03/23 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 13:15	03/03/23 16:20	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/02/23 16:00	03/03/23 09:34	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/20/23 12:44		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:59		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/22/23 20:59		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/22/23 20:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/21/23 23:48	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/21/23 23:48	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Sample: BOW-LF9-10-FB-15 Lab ID: 92652194023 Collected: 02/14/23 15:38 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/21/23 23:48	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch: 758701 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

METHOD BLANK: 3940745 Matrix: Water
 Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/23 16:41	
Iron	mg/L	ND	0.040	0.025	03/01/23 16:41	
Magnesium	mg/L	ND	0.050	0.012	03/01/23 16:41	
Manganese	mg/L	ND	0.040	0.0043	03/01/23 16:41	
Potassium	mg/L	ND	0.50	0.15	03/01/23 16:41	
Sodium	mg/L	ND	1.0	0.58	03/01/23 16:41	
Zinc	mg/L	ND	0.020	0.0085	03/01/23 16:41	

LABORATORY CONTROL SAMPLE: 3940746

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	
Iron	mg/L	1	0.96	96	80-120	
Magnesium	mg/L	1	0.96	96	80-120	
Manganese	mg/L	1	0.95	95	80-120	
Potassium	mg/L	1	0.93	93	80-120	
Sodium	mg/L	1	0.96J	96	80-120	
Zinc	mg/L	1	0.95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3940747 3940748

Parameter	Units	92652194002 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Calcium	mg/L	18.4	1	1	19.2	19.4	79	98	75-125	1	20	
Iron	mg/L	ND	1	1	0.97	0.98	96	98	75-125	2	20	
Magnesium	mg/L	9.6	1	1	10.6	10.6	93	97	75-125	0	20	
Manganese	mg/L	ND	1	1	0.96	0.96	96	96	75-125	0	20	
Potassium	mg/L	0.89	1	1	1.8	1.9	93	99	75-125	3	20	
Sodium	mg/L	1.2	1	1	2.2	2.2	99	100	75-125	0	20	
Zinc	mg/L	ND	1	1	0.96	0.96	96	96	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch:	758785	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652194021, 92652194022, 92652194023

METHOD BLANK: 3941289 Matrix: Water

Associated Lab Samples: 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/23 22:08	
Iron	mg/L	ND	0.040	0.025	03/01/23 22:08	
Magnesium	mg/L	ND	0.050	0.012	03/01/23 22:08	
Manganese	mg/L	ND	0.040	0.0043	03/01/23 22:08	
Potassium	mg/L	ND	0.50	0.15	03/01/23 22:08	
Sodium	mg/L	ND	1.0	0.58	03/01/23 22:08	
Zinc	mg/L	ND	0.020	0.0085	03/01/23 22:08	

LABORATORY CONTROL SAMPLE: 3941290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	1	0.99	99	80-120	
Potassium	mg/L	1	1.1	113	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	0.99	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941291 3941292

Parameter	Units	92652734021		3941292		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	92.2	1	1	98.2	96.2	607	405	75-125	2	20 M1
Iron	mg/L	ND	1	1	1.0	1.1	103	104	75-125	1	20
Magnesium	mg/L	4.8	1	1	6.0	6.0	126	120	75-125	1	20
Manganese	mg/L	0.039J	1	1	1.1	1.1	101	102	75-125	1	20
Potassium	mg/L	2.4	1	1	3.5	3.6	113	124	75-125	3	20
Sodium	mg/L	4.5	1	1	5.8	5.7	128	114	75-125	2	20
Zinc	mg/L	ND	1	1	1.0	1.0	100	103	75-125	2	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch: 758699 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

METHOD BLANK: 3940733 Matrix: Water

Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008, 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/02/23 20:44	
Arsenic	mg/L	ND	0.0050	0.0022	03/02/23 20:44	
Barium	mg/L	ND	0.0050	0.00067	03/02/23 20:44	
Beryllium	mg/L	ND	0.00050	0.000054	03/02/23 20:44	
Boron	mg/L	ND	0.040	0.0086	03/02/23 20:44	
Cadmium	mg/L	ND	0.00050	0.00011	03/02/23 20:44	
Chromium	mg/L	ND	0.0050	0.0011	03/02/23 20:44	
Cobalt	mg/L	ND	0.0050	0.00039	03/02/23 20:44	
Copper	mg/L	ND	0.0050	0.0010	03/02/23 20:44	
Lead	mg/L	ND	0.0010	0.00089	03/02/23 20:44	
Nickel	mg/L	ND	0.0050	0.00071	03/02/23 20:44	
Selenium	mg/L	ND	0.0050	0.0014	03/02/23 20:44	
Silver	mg/L	ND	0.0050	0.00044	03/02/23 20:44	
Thallium	mg/L	ND	0.0010	0.00018	03/02/23 20:44	
Vanadium	mg/L	ND	0.010	0.0019	03/02/23 20:44	

LABORATORY CONTROL SAMPLE: 3940734

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	109	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.093	93	80-120	
Boron	mg/L	1	0.92	92	80-120	
Cadmium	mg/L	0.1	0.093	93	80-120	
Chromium	mg/L	0.1	0.090	90	80-120	
Cobalt	mg/L	0.1	0.090	90	80-120	
Copper	mg/L	0.1	0.092	92	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.089	89	80-120	
Selenium	mg/L	0.1	0.095	95	80-120	
Silver	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.091	91	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Parameter	Units	92652194003		3940735		3940736		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	111	75-125	3	20			
Arsenic	mg/L	ND	0.1	0.1	0.095	0.099	95	99	75-125	4	20			
Barium	mg/L	0.029	0.1	0.1	0.12	0.13	93	97	75-125	3	20			
Beryllium	mg/L	ND	0.1	0.1	0.093	0.098	93	98	75-125	4	20			
Boron	mg/L	ND	1	1	0.93	0.98	92	97	75-125	6	20			
Cadmium	mg/L	ND	0.1	0.1	0.093	0.098	93	98	75-125	5	20			
Chromium	mg/L	ND	0.1	0.1	0.088	0.095	88	95	75-125	7	20			
Cobalt	mg/L	ND	0.1	0.1	0.087	0.093	87	93	75-125	6	20			
Copper	mg/L	ND	0.1	0.1	0.090	0.095	90	94	75-125	5	20			
Lead	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	2	20			
Nickel	mg/L	ND	0.1	0.1	0.089	0.093	89	93	75-125	5	20			
Selenium	mg/L	ND	0.1	0.1	0.094	0.099	94	99	75-125	4	20			
Silver	mg/L	ND	0.1	0.1	0.090	0.092	90	92	75-125	3	20			
Thallium	mg/L	ND	0.1	0.1	0.092	0.096	92	96	75-125	4	20			
Vanadium	mg/L	ND	0.1	0.1	0.091	0.096	91	96	75-125	5	20			

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch:	758787	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652194021, 92652194022, 92652194023

METHOD BLANK: 3941296 Matrix: Water

Associated Lab Samples: 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/03/23 15:33	
Arsenic	mg/L	ND	0.0050	0.0022	03/03/23 15:33	
Barium	mg/L	ND	0.0050	0.00067	03/03/23 15:33	
Beryllium	mg/L	ND	0.00050	0.000054	03/03/23 15:33	
Boron	mg/L	ND	0.040	0.0086	03/03/23 15:33	
Cadmium	mg/L	ND	0.00050	0.00011	03/03/23 15:33	
Chromium	mg/L	ND	0.0050	0.0011	03/03/23 15:33	
Cobalt	mg/L	ND	0.0050	0.00039	03/03/23 15:33	
Copper	mg/L	ND	0.0050	0.0010	03/03/23 15:33	
Lead	mg/L	ND	0.0010	0.00089	03/03/23 15:33	
Nickel	mg/L	ND	0.0050	0.00071	03/03/23 15:33	
Selenium	mg/L	ND	0.0050	0.0014	03/03/23 15:33	
Silver	mg/L	ND	0.0050	0.00044	03/03/23 15:33	
Thallium	mg/L	ND	0.0010	0.00018	03/03/23 15:33	
Vanadium	mg/L	ND	0.010	0.0019	03/03/23 15:33	

LABORATORY CONTROL SAMPLE: 3941297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	105	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941298 3941299														
Parameter	Units	92652194022		MS	MSD	3941299		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	111	75-125	1	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	103	75-125	3	20			
Barium	mg/L	0.0080	0.1	0.1	0.11	0.11	103	103	75-125	0	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.098	95	98	75-125	3	20			
Boron	mg/L	ND	1	1	0.97	1.0	97	100	75-125	3	20			
Cadmium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20			
Chromium	mg/L	0.0015J	0.1	0.1	0.10	0.11	100	104	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20			
Copper	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	2	20			
Lead	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20			
Nickel	mg/L	ND	0.1	0.1	0.098	0.10	98	99	75-125	2	20			
Selenium	mg/L	ND	0.1	0.1	0.099	0.10	99	103	75-125	4	20			
Silver	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20			
Thallium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20			

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch:	759114	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK: 3943308 Matrix: Water

Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 07:02	

LABORATORY CONTROL SAMPLE: 3943309

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943310 3943311

Parameter	Units	92651771010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0023	91	91	75-125	0	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch: 759115 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3943327 Matrix: Water
 Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/03/23 08:19	

LABORATORY CONTROL SAMPLE: 3943328

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3943329 3943330

Parameter	Units	92652734001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0023	93	92	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

QC Batch: 756651 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK: 3931171 Matrix: Water
 Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/17/23 14:02	

LABORATORY CONTROL SAMPLE: 3931172

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	398	100	80-120	

SAMPLE DUPLICATE: 3931173

Parameter	Units	92652184002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	120	42	10	D6

SAMPLE DUPLICATE: 3931174

Parameter	Units	92652194008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	52.9	ND		10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

QC Batch: 756899 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3932259 Matrix: Water
 Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/20/23 12:33	

LABORATORY CONTROL SAMPLE: 3932260

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3932261

Parameter	Units	92652194009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	149	208	33	10	D6

SAMPLE DUPLICATE: 3932262

Parameter	Units	92652194019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	111	92.9	18	10	D6

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

QC Batch: 756619 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652194001, 92652194002

METHOD BLANK: 3930962 Matrix: Water
 Associated Lab Samples: 92652194001, 92652194002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 11:48	

LABORATORY CONTROL SAMPLE: 3930963

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.2	98	80-120	

LABORATORY CONTROL SAMPLE: 3930964

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.9	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3930965 3930966

Parameter	Units	3930965		3930966		% Rec Limits	Max RPD	Qual			
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	102	50	50	159	157	116	111	80-120	2	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

QC Batch: 756661 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK: 3931196 Matrix: Water
 Associated Lab Samples: 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/21/23 14:21	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 14:21	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/21/23 14:21	

LABORATORY CONTROL SAMPLE: 3931197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.5	97	80-120	

LABORATORY CONTROL SAMPLE: 3931198

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	48.4	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931199 3931200

Parameter	Units	92651948003		92651948004		92651948005		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Alkalinity, Total as CaCO3	mg/L	23.2	50	50	72.6	74.5	99	103	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3931201 3931202

Parameter	Units	92651948004		92651948005		92651948006		% Rec Limits	RPD	Max RPD	Qual	
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec					MSD % Rec
Alkalinity, Total as CaCO3	mg/L	ND	50	50	43.8	43.6	88	87	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch: 757250

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

METHOD BLANK: 3933996

Matrix: Water

Associated Lab Samples: 92652194009, 92652194010, 92652194011, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/22/23 18:00	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/22/23 18:00	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/22/23 18:00	

LABORATORY CONTROL SAMPLE: 3933997

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

LABORATORY CONTROL SAMPLE: 3933998

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933999 3934000

Parameter	Units	92652194022 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Alkalinity, Total as CaCO3	mg/L	98.8	50	50	154	157	111	116	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934001 3934002

Parameter	Units	92652194023 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Alkalinity, Total as CaCO3	mg/L	ND	50	50	51.1	51.2	102	102	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

QC Batch: 757665 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92652194012

METHOD BLANK: 3935742 Matrix: Water
 Associated Lab Samples: 92652194012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/23/23 10:30	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 10:30	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 10:30	

LABORATORY CONTROL SAMPLE: 3935743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.0	100	80-120	

LABORATORY CONTROL SAMPLE: 3935744

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.5	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935747 3935748

Parameter	Units	3935747		3935748		% Rec Limits	Max RPD	Qual			
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	69.5	50	50	122	126	106	113	80-120	3	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch:	756234	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008

METHOD BLANK:	3928924	Matrix:	Water
Associated Lab Samples:	92652194001, 92652194002, 92652194003, 92652194004, 92652194005, 92652194006, 92652194007, 92652194008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/17/23 02:06	
Fluoride	mg/L	ND	0.10	0.050	02/17/23 02:06	
Sulfate	mg/L	ND	1.0	0.50	02/17/23 02:06	

LABORATORY CONTROL SAMPLE: 3928925						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928926												3928927	
Parameter	Units	92651771018		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Chloride	mg/L	2.0	50	50	50.4	50.8	97	98	90-110	1	10
Fluoride	mg/L	0.078J	2.5	2.5	2.3	2.4	90	92	90-110	2	10		
Sulfate	mg/L	86.7	50	50	134	136	95	98	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3928928												3928929	
Parameter	Units	92652194007		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Chloride	mg/L	1.0	50	50	49.7	50.1	97	98	90-110	1	10
Fluoride	mg/L	0.053J	2.5	2.5	2.4	2.5	94	96	90-110	3	10		
Sulfate	mg/L	1.4	50	50	49.8	50.2	97	98	90-110	1	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

QC Batch:	757099	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023		

METHOD BLANK:	3933115	Matrix:	Water
Associated Lab Samples:	92652194009, 92652194010, 92652194011, 92652194012, 92652194013, 92652194014, 92652194015, 92652194016, 92652194017, 92652194018, 92652194019, 92652194020, 92652194021, 92652194022, 92652194023		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/21/23 16:01	
Fluoride	mg/L	ND	0.10	0.050	02/21/23 16:01	
Sulfate	mg/L	ND	1.0	0.50	02/21/23 16:01	

LABORATORY CONTROL SAMPLE:	3933116					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3933117			3933118								
Parameter	Units	92652194009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.074J	2.5	2.5	2.6	2.7	103	103	90-110	1	10	
Sulfate	mg/L	6.3	50	50	55.5	56.0	98	99	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	3933119			3933120								
Parameter	Units	92652194019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Fluoride	mg/L	0.064J	2.5	2.5	2.6	2.7	103	105	90-110	1	10	
Sulfate	mg/L	4.3	50	50	53.9	54.6	99	101	90-110	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10
 Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194001	BOW-GWA-39Z				
92652194002	BOW-GWA-40				
92652194003	BOW-GWA-41				
92652194004	BOW-GWA-41R				
92652194005	BOW-GWA-42				
92652194006	BOW-GWA-43R				
92652194009	BOW-GWA-39RZ				
92652194010	BOW-GWA-43				
92652194011	BOW-GWC-44				
92652194012	BOW-GWC-46R				
92652194013	BOW-GWC-49R				
92652194014	BOW-GWC-49Z				
92652194017	BOW-GWC-45				
92652194018	BOW-GWC-45R				
92652194019	BOW-GWC-47				
92652194020	BOW-GWC-47R				
92652194021	BOW-GWC-48				
92652194001	BOW-GWA-39Z	EPA 3010A	758701	EPA 6010D	758769
92652194002	BOW-GWA-40	EPA 3010A	758701	EPA 6010D	758769
92652194003	BOW-GWA-41	EPA 3010A	758701	EPA 6010D	758769
92652194004	BOW-GWA-41R	EPA 3010A	758701	EPA 6010D	758769
92652194005	BOW-GWA-42	EPA 3010A	758701	EPA 6010D	758769
92652194006	BOW-GWA-43R	EPA 3010A	758701	EPA 6010D	758769
92652194007	BOW-LF9-10-FD-08	EPA 3010A	758701	EPA 6010D	758769
92652194008	BOW-LF9-10-FB-13	EPA 3010A	758701	EPA 6010D	758769
92652194009	BOW-GWA-39RZ	EPA 3010A	758701	EPA 6010D	758769
92652194010	BOW-GWA-43	EPA 3010A	758701	EPA 6010D	758769
92652194011	BOW-GWC-44	EPA 3010A	758701	EPA 6010D	758769
92652194012	BOW-GWC-46R	EPA 3010A	758701	EPA 6010D	758769
92652194013	BOW-GWC-49R	EPA 3010A	758701	EPA 6010D	758769
92652194014	BOW-GWC-49Z	EPA 3010A	758701	EPA 6010D	758769
92652194015	BOW-LF9-10-FB-14	EPA 3010A	758701	EPA 6010D	758769
92652194016	BOW-LF9-10-EB-5	EPA 3010A	758701	EPA 6010D	758769
92652194017	BOW-GWC-45	EPA 3010A	758701	EPA 6010D	758769
92652194018	BOW-GWC-45R	EPA 3010A	758701	EPA 6010D	758769
92652194019	BOW-GWC-47	EPA 3010A	758701	EPA 6010D	758769
92652194020	BOW-GWC-47R	EPA 3010A	758701	EPA 6010D	758769
92652194021	BOW-GWC-48	EPA 3010A	758785	EPA 6010D	758881
92652194022	BOW-LF9-10-FD-09	EPA 3010A	758785	EPA 6010D	758881
92652194023	BOW-LF9-10-FB-15	EPA 3010A	758785	EPA 6010D	758881
92652194001	BOW-GWA-39Z	EPA 3005A	758699	EPA 6020B	758863
92652194002	BOW-GWA-40	EPA 3005A	758699	EPA 6020B	758863
92652194003	BOW-GWA-41	EPA 3005A	758699	EPA 6020B	758863
92652194004	BOW-GWA-41R	EPA 3005A	758699	EPA 6020B	758863
92652194005	BOW-GWA-42	EPA 3005A	758699	EPA 6020B	758863
92652194006	BOW-GWA-43R	EPA 3005A	758699	EPA 6020B	758863
92652194007	BOW-LF9-10-FD-08	EPA 3005A	758699	EPA 6020B	758863

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194008	BOW-LF9-10-FB-13	EPA 3005A	758699	EPA 6020B	758863
92652194009	BOW-GWA-39RZ	EPA 3005A	758699	EPA 6020B	758863
92652194010	BOW-GWA-43	EPA 3005A	758699	EPA 6020B	758863
92652194011	BOW-GWC-44	EPA 3005A	758699	EPA 6020B	758863
92652194012	BOW-GWC-46R	EPA 3005A	758699	EPA 6020B	758863
92652194013	BOW-GWC-49R	EPA 3005A	758699	EPA 6020B	758863
92652194014	BOW-GWC-49Z	EPA 3005A	758699	EPA 6020B	758863
92652194015	BOW-LF9-10-FB-14	EPA 3005A	758699	EPA 6020B	758863
92652194016	BOW-LF9-10-EB-5	EPA 3005A	758699	EPA 6020B	758863
92652194017	BOW-GWC-45	EPA 3005A	758699	EPA 6020B	758863
92652194018	BOW-GWC-45R	EPA 3005A	758699	EPA 6020B	758863
92652194019	BOW-GWC-47	EPA 3005A	758699	EPA 6020B	758863
92652194020	BOW-GWC-47R	EPA 3005A	758699	EPA 6020B	758863
92652194021	BOW-GWC-48	EPA 3005A	758787	EPA 6020B	758884
92652194022	BOW-LF9-10-FD-09	EPA 3005A	758787	EPA 6020B	758884
92652194023	BOW-LF9-10-FB-15	EPA 3005A	758787	EPA 6020B	758884
92652194001	BOW-GWA-39Z	EPA 7470A	759114	EPA 7470A	759159
92652194002	BOW-GWA-40	EPA 7470A	759114	EPA 7470A	759159
92652194003	BOW-GWA-41	EPA 7470A	759114	EPA 7470A	759159
92652194004	BOW-GWA-41R	EPA 7470A	759114	EPA 7470A	759159
92652194005	BOW-GWA-42	EPA 7470A	759114	EPA 7470A	759159
92652194006	BOW-GWA-43R	EPA 7470A	759114	EPA 7470A	759159
92652194007	BOW-LF9-10-FD-08	EPA 7470A	759114	EPA 7470A	759159
92652194008	BOW-LF9-10-FB-13	EPA 7470A	759114	EPA 7470A	759159
92652194009	BOW-GWA-39RZ	EPA 7470A	759115	EPA 7470A	759162
92652194010	BOW-GWA-43	EPA 7470A	759115	EPA 7470A	759162
92652194011	BOW-GWC-44	EPA 7470A	759115	EPA 7470A	759162
92652194012	BOW-GWC-46R	EPA 7470A	759115	EPA 7470A	759162
92652194013	BOW-GWC-49R	EPA 7470A	759115	EPA 7470A	759162
92652194014	BOW-GWC-49Z	EPA 7470A	759115	EPA 7470A	759162
92652194015	BOW-LF9-10-FB-14	EPA 7470A	759115	EPA 7470A	759162
92652194016	BOW-LF9-10-EB-5	EPA 7470A	759115	EPA 7470A	759162
92652194017	BOW-GWC-45	EPA 7470A	759115	EPA 7470A	759162
92652194018	BOW-GWC-45R	EPA 7470A	759115	EPA 7470A	759162
92652194019	BOW-GWC-47	EPA 7470A	759115	EPA 7470A	759162
92652194020	BOW-GWC-47R	EPA 7470A	759115	EPA 7470A	759162
92652194021	BOW-GWC-48	EPA 7470A	759115	EPA 7470A	759162
92652194022	BOW-LF9-10-FD-09	EPA 7470A	759115	EPA 7470A	759162
92652194023	BOW-LF9-10-FB-15	EPA 7470A	759115	EPA 7470A	759162
92652194001	BOW-GWA-39Z	SM 2540C-2015	756651		
92652194002	BOW-GWA-40	SM 2540C-2015	756651		
92652194003	BOW-GWA-41	SM 2540C-2015	756651		
92652194004	BOW-GWA-41R	SM 2540C-2015	756651		
92652194005	BOW-GWA-42	SM 2540C-2015	756651		
92652194006	BOW-GWA-43R	SM 2540C-2015	756651		
92652194007	BOW-LF9-10-FD-08	SM 2540C-2015	756651		
92652194008	BOW-LF9-10-FB-13	SM 2540C-2015	756651		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194009	BOW-GWA-39RZ	SM 2540C-2015	756899		
92652194010	BOW-GWA-43	SM 2540C-2015	756899		
92652194011	BOW-GWC-44	SM 2540C-2015	756899		
92652194012	BOW-GWC-46R	SM 2540C-2015	756899		
92652194013	BOW-GWC-49R	SM 2540C-2015	756899		
92652194014	BOW-GWC-49Z	SM 2540C-2015	756899		
92652194015	BOW-LF9-10-FB-14	SM 2540C-2015	756899		
92652194016	BOW-LF9-10-EB-5	SM 2540C-2015	756899		
92652194017	BOW-GWC-45	SM 2540C-2015	756899		
92652194018	BOW-GWC-45R	SM 2540C-2015	756899		
92652194019	BOW-GWC-47	SM 2540C-2015	756899		
92652194020	BOW-GWC-47R	SM 2540C-2015	756899		
92652194021	BOW-GWC-48	SM 2540C-2015	756899		
92652194022	BOW-LF9-10-FD-09	SM 2540C-2015	756899		
92652194023	BOW-LF9-10-FB-15	SM 2540C-2015	756899		
92652194001	BOW-GWA-39Z	SM 2320B-2011	756619		
92652194002	BOW-GWA-40	SM 2320B-2011	756619		
92652194003	BOW-GWA-41	SM 2320B-2011	756661		
92652194004	BOW-GWA-41R	SM 2320B-2011	756661		
92652194005	BOW-GWA-42	SM 2320B-2011	756661		
92652194006	BOW-GWA-43R	SM 2320B-2011	756661		
92652194007	BOW-LF9-10-FD-08	SM 2320B-2011	756661		
92652194008	BOW-LF9-10-FB-13	SM 2320B-2011	756661		
92652194009	BOW-GWA-39RZ	SM 2320B-2011	757250		
92652194010	BOW-GWA-43	SM 2320B-2011	757250		
92652194011	BOW-GWC-44	SM 2320B-2011	757250		
92652194012	BOW-GWC-46R	SM 2320B-2011	757665		
92652194013	BOW-GWC-49R	SM 2320B-2011	757250		
92652194014	BOW-GWC-49Z	SM 2320B-2011	757250		
92652194015	BOW-LF9-10-FB-14	SM 2320B-2011	757250		
92652194016	BOW-LF9-10-EB-5	SM 2320B-2011	757250		
92652194017	BOW-GWC-45	SM 2320B-2011	757250		
92652194018	BOW-GWC-45R	SM 2320B-2011	757250		
92652194019	BOW-GWC-47	SM 2320B-2011	757250		
92652194020	BOW-GWC-47R	SM 2320B-2011	757250		
92652194021	BOW-GWC-48	SM 2320B-2011	757250		
92652194022	BOW-LF9-10-FD-09	SM 2320B-2011	757250		
92652194023	BOW-LF9-10-FB-15	SM 2320B-2011	757250		
92652194001	BOW-GWA-39Z	EPA 300.0 Rev 2.1 1993	756234		
92652194002	BOW-GWA-40	EPA 300.0 Rev 2.1 1993	756234		
92652194003	BOW-GWA-41	EPA 300.0 Rev 2.1 1993	756234		
92652194004	BOW-GWA-41R	EPA 300.0 Rev 2.1 1993	756234		
92652194005	BOW-GWA-42	EPA 300.0 Rev 2.1 1993	756234		
92652194006	BOW-GWA-43R	EPA 300.0 Rev 2.1 1993	756234		
92652194007	BOW-LF9-10-FD-08	EPA 300.0 Rev 2.1 1993	756234		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9 & 10

Pace Project No.: 92652194

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652194008	BOW-LF9-10-FB-13	EPA 300.0 Rev 2.1 1993	756234		
92652194009	BOW-GWA-39RZ	EPA 300.0 Rev 2.1 1993	757099		
92652194010	BOW-GWA-43	EPA 300.0 Rev 2.1 1993	757099		
92652194011	BOW-GWC-44	EPA 300.0 Rev 2.1 1993	757099		
92652194012	BOW-GWC-46R	EPA 300.0 Rev 2.1 1993	757099		
92652194013	BOW-GWC-49R	EPA 300.0 Rev 2.1 1993	757099		
92652194014	BOW-GWC-49Z	EPA 300.0 Rev 2.1 1993	757099		
92652194015	BOW-LF9-10-FB-14	EPA 300.0 Rev 2.1 1993	757099		
92652194016	BOW-LF9-10-EB-5	EPA 300.0 Rev 2.1 1993	757099		
92652194017	BOW-GWC-45	EPA 300.0 Rev 2.1 1993	757099		
92652194018	BOW-GWC-45R	EPA 300.0 Rev 2.1 1993	757099		
92652194019	BOW-GWC-47	EPA 300.0 Rev 2.1 1993	757099		
92652194020	BOW-GWC-47R	EPA 300.0 Rev 2.1 1993	757099		
92652194021	BOW-GWC-48	EPA 300.0 Rev 2.1 1993	757099		
92652194022	BOW-LF9-10-FD-09	EPA 300.0 Rev 2.1 1993	757099		
92652194023	BOW-LF9-10-FB-15	EPA 300.0 Rev 2.1 1993	757099		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: **WO#: 92652194**



Course: Commercial Fed Ex UPS USPS Client Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents: 2/14/23
CBH

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: P. Gun ID. 230 Type of Ice: Wet Blue None

Cooler Temp: 4.9 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C
 Samples out of temp when samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.9
USDA Regulated Soil: N/A, water sample
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Chain of Custody Present?	Yes	No	N/A	1.	Comments/Discrepancy
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4.	
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.	
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	
Sample Labels Match CDC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.	
Includes Date/Time/W/Analysis Macro:	<input checked="" type="checkbox"/>				
Headspace in VOA Vials (>5-gram)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10.	
Tip Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11.	
Tip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

COMMENTS/SAMPLE DISCREPANCY

Field Gate Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person Contacted

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA Coliform, TDC, LM and Gaseous, DRO/2015 (water) DOC, L, Hg

**Bottom half of box is to list number of bottles

***Check pH unpreserved Nitrates for chlorine

Project #

WO#: 92652194

PR: BY

Due Date: 02/28/23

CLIENT: GA-GA Power

Name#	Material	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (1-1)													
BP30-250 ml Plastic Unpreserved (N/A)			2										
BP20-500 mL Plastic Unpreserved (N/A)			2										
BP10-1 liter Plastic Unpreserved (N/A)			2										
BP45-125 mL Plastic H2SO4 (pH < 2) (1-1)													
BP30-250 mL Plastic HNO3 (pH < 2)													
BP45-125 mL Plastic 2N Acetic Acid (pH < 2)													
BP45-125 mL Plastic NaOH (pH > 12) (1-1)													
WBFL-6046-mouthed Glass jar Unpreserved													
AG310-1 liter Amber Unpreserved (N/A) (1-1)													
AG310-1 liter Amber HCl (pH < 2)													
AG310-1 liter Amber H2SO4 (pH < 2)													
AG310-1 liter Amber HNO3 (pH < 2)													
DG99-40 mL Amber HMC (N/A) (1-1)													
DG99-40 mL VOA HCl (N/A)													
VG81-80 mL VOA Na2S2O3 (N/A)													
VG90-40 mL VOA Unpreserved (N/A)													
DG99-40 mL VOA H3PO4 (N/A)													
AP70-50 mL Plastic Unpreserved (N/A)													
V/GK 12 Whisk over top VPH/250 Jar (N/A)													
SP51-245 mL Sterile Plastic (N/A) (1-1)													
BP77-250 mL Sterile Plastic (N/A) (1-1)													
BP30-250 mL Plastic (N/A) (1-1) (1-1)													
Ambr-100-1 liter Amber Unpreserved (N/A) (1-1)													
VSS10-300 mL Sterilization vial (N/A)													
600U-60 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina Dept Certification Office i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Page

Submitting a sample via the chain of custody form is a declaration of ownership and responsibility for the sample. The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 2

Requested Chain Information:
 Agency: Georgia Power
 Address: 361 Peach Street, Marietta, GA 30060
 Contact: 404.217.0000
 Requested Date: Standard

Requested Analytical Information:
 Report To: Stephen Ladda, Chemistry Substation
 Report To: 1400 Highway 200, Marietta, GA 30060
 Project Name: Burrell Creek Basin
 Project ID: 1400170000

Project Information:
 Project Name: Burrell Creek Basin
 Project ID: 1400170000
 Project Location: 1400 Highway 200, Marietta, GA 30060
 Project Manager: [Name]

ID	SAMPLE ID	MATERIAL CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	TYPE OF CONTAINERS							REMARKS	ANALYST	
						UNDESIRABLE	NEEDS	NO	NO	NO	NO	NO			
1	BOW-GMC-17	WGS G													
2	BOW-GMC-17M	WGS G													
3	BOW-GMC-40	WMS G													
4	BOW-GMC-40M	WMS G													
5	BOW-GMC-402	WMS G	2/13/23												
6	BOW-GMC-402M	WMS G													
7	BOW-LP-10-FB	WMS G													
8	BOW-LP-10-FB	WMS G													
9	BOW-LP-10-FB	WMS G													
10	BOW-LP-10-FB	WMS G													
11	BOW-LP-10-FB	WMS G													
12	BOW-LP-10-FB	WMS G													
13	BOW-LP-10-FB	WMS G	2/13/23	1550											
14	BOW-LP-10-FB	WMS G													
15	BOW-LP-10-FB	WMS G													
16	BOW-LP-10-FB	WMS G													
17	BOW-LP-10-FB	WMS G													
18	BOW-LP-10-FB	WMS G													
19	BOW-LP-10-FB	WMS G													
20	BOW-LP-10-FB	WMS G													

ANALYST SIGNATURE AND QUALIFICATION:
 Name: Stephen Ladda
 Title: Chemist
 Date: 2/13/23

RECEIVED BY:
 Name: [Name]
 Title: [Title]
 Date: 2/13/23



DC# Title: ENV-FRM-HUN1-0093 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92652194

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

PH: BY Due Date: 02/28/23
CLIENT: GA-GR Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Time Person Examining Contents: 2/1/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometers: Gun ID: 230 Type of Ice: White Blue None

Cooler Temp: 5.5 Correction Factor: 0.0
Add/Subtract (°C) 5.5
Cooler Temp Corrected (°C): 5.5

Temp should be above freezing to 6°C
 Sample out of temp criteria. Samples on ice, cooling process has begun

USDA Regulated Soil? N/A, water sample

Did samples originate in a quarantine zone within the United States (CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

				Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<2 hr.)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Push Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Dissolved Analysis: Samples Field Filtered?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	8.
Sample Labels Match CDC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.
Includes Case/Time/ID/Analysis Matrix: <u>W</u>				
Headspace in VOA Vials (P&S-6mm)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	10.
Emp Blank Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11.
Emp Blank Custody Seals Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, BAC, BOD5 (water) DOC, LUG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92652194

PM: BY

Due Date: 02/28/23

CLIENT: GA-GA Palmer

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C1)													
BP3U-250 mL Plastic Unpreserved (N/A)			2										
BP2U-500 mL Plastic Unpreserved (N/A)			2										
BP2U-1 Liter Plastic Unpreserved (N/A)			2										
BP4S-125 mL Plastik N2VO4 (pH < 2) (C1)			2										
BP3N-150 mL plastic HNO3 (pH < 2)			2										
BP4B-125 mL Plastik 7N Acetate & H2O2 (pH < 2)			2										
BP4B-125 mL Plastik HNO3 (pH > 12) (C1)			2										
WPSU-Wide-mouthed Glass Jar Unpreserved													
AG2U-1 One Amber Unpreserved (N/A) (C1)													
AG1H-1 1 liter Amber HD (pH < 2)													
AG2U-250 mL Amber Unpreserved (N/A) (C1)													
AG1S-1 1 liter Amber N2O4 (pH < 2)													
AG1S-250 mL Amber H2SO4 (pH < 2)													
DC2B-40 mL Amber NH4Cl (N/A)(C1)													
DC2H-40 mL VOA HD (N/A)													
V22F-40 mL VOA H2SO4 (N/A)													
V22U-40 mL VOA Unpreserved (N/A)													
DC2V-40 mL VOA H2PO4 (N/A)													
BP2U-50 mL Plastic Unpreserved (N/A)													
V22K 13 vials per MPO-VPH/Kas ml (N/A)													
SP2T-125 mL Sterile Plastic (N/A - 100)													
SP2T-150 mL Sterile Plastic (N/A - 100)													
BP3R-250 mL Plastic (N/A) (S, 3-9, 7)													
AG2U-100 mL Amber Unpreserved (N/A) (C1)													
V22U-10 mL Sentrifugation vials (N/A)													
DC2H-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DWR Certification Office E.A. Out of hold, incorrect preservative, out of comp, incorrect container



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Dd and Grease, DRG/8015 (water) DCC, LHM

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-175 mL Plastic Unpreserved (N/A) (C-1)			2										
BP40-150 mL Plastic Unpreserved (N/A)			2										
BP20-500 mL Plastic Unpreserved (N/A)			1										
BP10-1 liter Plastic Unpreserved (N/A)													
BP45-125 mL Plastic HD504 (pH < 2) (C-1)			2										
BP34-250 mL plastic HD503 (pH < 2)			1										
BP42-125 mL Plastic 2N Acetate & NaOH (S-1)													
BP48-125 mL Plastic NaOH (pH > 12) (C-1)													
WG7U-400 mL mounted Glass jar Unpreserved													
AG3U-1 liter Amber Unpreserved (N/A) (C-1)													
AG1N-1 liter Amber 45C (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-1)													
AG3S-1 liter Amber HD504 (pH < 2)													
AG3S-250 mL Amber HD504 (pH < 2)													
DG9H-40 mL Amber NH4Cl (N/A)(C-1)													
DG9H-40 mL VOA (N/A)													
VG97-10 mL VOA HD503 (N/A)													
VG9U-10 mL VOA Unpreserved (N/A)													
DG9H-10 mL VOA HD504 (N/A)													
AP7U-50 mL Plastic Unpreserved (N/A)													
V70K (3 vials per BCP/PH/OCAS kit) (N/A)													
SP5T-125 mL Sorexlin Filtrate (N/A - 49b)													
SP2T-20 mL Sorexlin Filtrate (N/A - 1a1b)													
BP36-250 mL Plastic (HD504) (S-3-9-7)													
AG20U-100 mL Amber Unpreserved (N/A) (C-1)													
V59H-20 mL Sedimentation vials (N/A)													
DG6H-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance sampling, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of the Day, incorrect preservative, out of temp, incorrect containers).



April 26, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 17, 2023 and February 23, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

A revised report is being submitted on 4/14/23 due to a compound list reporting error.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smiley, Georgia Power
Brian Steele, Stantec

Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92652951001	BOW-GWA-1	Water	02/16/23 12:34	02/17/23 12:15
92652951002	BOW-GWA-2	Water	02/16/23 14:35	02/17/23 12:15
92652951003	BOW-GWA-2R	Water	02/16/23 15:26	02/17/23 12:15
92652951004	BOW-GWA-50	Water	02/16/23 13:45	02/17/23 12:15
92652951005	BOW-GWA-50R	Water	02/16/23 15:00	02/17/23 12:15
92652951006	BOW-LF1-2-FD-10	Water	02/16/23 00:00	02/17/23 12:15
92652951007	BOW-LF1-2-FB-16	Water	02/16/23 14:50	02/17/23 12:15
92652951008	BOW-GWC-5	Water	02/20/23 11:11	02/21/23 16:51
92652951009	BOW-GWC-7Z	Water	02/20/23 12:37	02/21/23 16:51
92652951010	BOW-GWC-8Z	Water	02/20/23 14:46	02/21/23 16:51
92652951011	BOW-GWA-3A	Water	02/17/23 10:56	02/21/23 16:51
92652951012	BOW-GWA-4RZ	Water	02/17/23 09:46	02/21/23 16:51
92652951013	BOW-GWC-6	Water	02/17/23 12:00	02/21/23 16:51
92652951014	BOW-GWC-6RZ	Water	02/17/23 13:28	02/21/23 16:51
92652951015	BOW-GWC-10	Water	02/20/23 12:45	02/21/23 16:51
92652951016	BOW-GWC-10R	Water	02/20/23 10:40	02/21/23 16:51
92652951017	BOW-GWC-11	Water	02/20/23 13:45	02/21/23 16:51
92652951018	BOW-GWC-11R	Water	02/20/23 15:00	02/21/23 16:51
92652951019	BOW-LF1-2-FD-11	Water	02/20/23 00:00	02/21/23 16:51
92652951020	BOW-LF1-2-FB-18	Water	02/20/23 15:45	02/21/23 16:51
92652951021	BOW-LF1-2-FB-17	Water	02/17/23 11:45	02/21/23 16:51
92652951022	BOW-GWC-8RR	Water	02/21/23 09:50	02/23/23 09:34
92652951023	BOW-GWC-9	Water	02/21/23 10:55	02/23/23 09:34
92652951024	BOW-GWC-12	Water	02/21/23 15:01	02/23/23 09:34
92652951025	BOW-LF1-2-FB-19	Water	02/21/23 15:40	02/23/23 09:34
92652951026	BOW-GWC-13	Water	02/22/23 11:30	02/23/23 09:34
92652951027	BOW-GWC-13RZ	Water	02/22/23 10:05	02/23/23 09:34
92652951028	BOW-GWC-14Z	Water	02/22/23 13:12	02/23/23 09:34
92652951029	BOW-GWC-15R	Water	02/22/23 13:35	02/23/23 09:34
92652951030	BOW-GWC-15Z	Water	02/22/23 10:45	02/23/23 09:34
92652951031	BOW-LF1-2-FB-20	Water	02/22/23 14:00	02/23/23 09:34
92652951032	BOW-LF1-2-FD-12	Water	02/22/23 00:00	02/23/23 09:34

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951001	BOW-GWA-1	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951002	BOW-GWA-2	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951003	BOW-GWA-2R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951004	BOW-GWA-50	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951005	BOW-GWA-50R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951006	BOW-LF1-2-FD-10	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951007	BOW-LF1-2-FB-16	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951008	BOW-GWC-5	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951009	BOW-GWC-7Z	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92652951010	BOW-GWC-8Z	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92652951011	BOW-GWA-3A	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951012	BOW-GWA-4RZ	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92652951013	BOW-GWC-6	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951014	BOW-GWC-6RZ	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951015	BOW-GWC-10	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951016	BOW-GWC-10R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92652951017	BOW-GWC-11	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951018	BOW-GWC-11R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92652951019	BOW-LF1-2-FD-11	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951020	BOW-LF1-2-FB-18	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951021	BOW-LF1-2-FB-17	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92652951022	BOW-GWC-8RR	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92652951023	BOW-GWC-9	EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
92652951024	BOW-GWC-12	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
92652951025	BOW-LF1-2-FB-19	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951026	BOW-GWC-13	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951027	BOW-GWC-13RZ	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951028	BOW-GWC-14Z	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951029	BOW-GWC-15R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951030	BOW-GWC-15Z	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92652951031	BOW-LF1-2-FB-20	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92652951032	BOW-LF1-2-FD-12	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951001	BOW-GWA-1					
	Performed by	Client			03/08/23 15:09	
	Collected By	Kevin Stephenson			03/08/23 15:09	
	Collected Date	02/16/23			03/08/23 15:09	
	Collected Time	12:34			03/08/23 15:09	
	pH	7.39	Std. Units		03/08/23 15:09	
EPA 6010D	Calcium	33.3	mg/L	1.0	03/02/23 16:11	
EPA 6010D	Iron	0.069	mg/L	0.040	03/02/23 16:11	
EPA 6010D	Manganese	0.11	mg/L	0.040	03/02/23 16:11	
EPA 6010D	Potassium	1.2	mg/L	0.50	03/02/23 16:11	
EPA 6010D	Sodium	6.0	mg/L	1.0	03/02/23 16:11	
EPA 6010D	Magnesium	16.3	mg/L	0.050	03/02/23 16:11	
EPA 6020B	Antimony	0.016	mg/L	0.0030	03/03/23 17:26	
EPA 6020B	Barium	0.018	mg/L	0.0050	03/03/23 17:26	
EPA 7470A	Mercury	0.00017J	mg/L	0.00020	03/07/23 09:15	
SM 2540C-2015	Total Dissolved Solids	152	mg/L	25.0	02/23/23 13:37	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	02/23/23 19:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	162	mg/L	5.0	02/23/23 19:54	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/22/23 00:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.070J	mg/L	0.10	02/22/23 00:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/22/23 00:03	
92652951002	BOW-GWA-2					
	Performed by	Client			03/08/23 15:11	
	Collected By	Kevin Stephenson			03/08/23 15:11	
	Collected Date	02/16/23			03/08/23 15:11	
	Collected Time	14:35			03/08/23 15:11	
	pH	6.56	Std. Units		03/08/23 15:11	
EPA 6010D	Calcium	60.5	mg/L	1.0	03/02/23 16:16	
EPA 6010D	Manganese	0.021J	mg/L	0.040	03/02/23 16:16	
EPA 6010D	Potassium	0.91	mg/L	0.50	03/02/23 16:16	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/02/23 16:16	
EPA 6010D	Magnesium	16.0	mg/L	0.050	03/02/23 16:16	
EPA 6020B	Barium	0.029	mg/L	0.0050	03/03/23 17:32	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	03/03/23 17:32	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/07/23 09:26	
SM 2540C-2015	Total Dissolved Solids	267	mg/L	25.0	02/23/23 13:37	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	89.3	mg/L	5.0	02/23/23 20:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	89.3	mg/L	5.0	02/23/23 20:04	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/22/23 00:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	02/22/23 00:18	
EPA 300.0 Rev 2.1 1993	Sulfate	115	mg/L	2.0	02/22/23 10:34	
92652951003	BOW-GWA-2R					
	Performed by	Client			03/08/23 15:12	
	Collected By	Kevin Stephenson			03/08/23 15:12	
	Collected Date	02/16/23			03/08/23 15:12	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951003	BOW-GWA-2R					
	Collected Time	15:26			03/08/23 15:12	
	pH	7.02	Std. Units		03/08/23 15:12	
EPA 6010D	Calcium	51.6	mg/L	1.0	03/02/23 16:21	
EPA 6010D	Iron	0.48	mg/L	0.040	03/02/23 16:21	
EPA 6010D	Manganese	0.11	mg/L	0.040	03/02/23 16:21	
EPA 6010D	Potassium	0.61	mg/L	0.50	03/02/23 16:21	
EPA 6010D	Sodium	2.7	mg/L	1.0	03/02/23 16:21	
EPA 6010D	Magnesium	10.9	mg/L	0.050	03/02/23 16:21	
EPA 6020B	Antimony	0.0048	mg/L	0.0030	03/03/23 17:56	
EPA 6020B	Barium	0.028	mg/L	0.0050	03/03/23 17:56	
EPA 6020B	Boron	0.017J	mg/L	0.040	03/03/23 17:56	
EPA 6020B	Cobalt	0.00065J	mg/L	0.0050	03/03/23 17:56	
EPA 6020B	Copper	0.0011J	mg/L	0.0050	03/03/23 17:56	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	25.0	02/23/23 13:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	134	mg/L	5.0	02/23/23 20:13	
SM 2320B-2011	Alkalinity, Total as CaCO3	134	mg/L	5.0	02/23/23 20:13	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/22/23 01:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.079J	mg/L	0.10	02/22/23 01:03	
EPA 300.0 Rev 2.1 1993	Sulfate	38.9	mg/L	1.0	02/22/23 01:03	
92652951004	BOW-GWA-50					
	Performed by	Client			03/08/23 15:13	
	Collected By	Kevin Stephenson			03/08/23 15:13	
	Collected Date	02/16/23			03/08/23 15:13	
	Collected Time	13:45			03/08/23 15:13	
	pH	4.95	Std. Units		03/08/23 15:13	
EPA 6010D	Calcium	1.4	mg/L	1.0	03/02/23 16:39	
EPA 6010D	Potassium	0.27J	mg/L	0.50	03/02/23 16:39	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/02/23 16:39	
EPA 6010D	Magnesium	0.29	mg/L	0.050	03/02/23 16:39	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/03/23 18:02	
EPA 6020B	Copper	0.0015J	mg/L	0.0050	03/03/23 18:02	
EPA 6020B	Nickel	0.00082J	mg/L	0.0050	03/03/23 18:02	
EPA 300.0 Rev 2.1 1993	Chloride	0.91J	mg/L	1.0	02/22/23 01:18	
92652951005	BOW-GWA-50R					
	Performed by	Client			03/08/23 15:14	
	Collected By	Kevin Stephenson			03/08/23 15:14	
	Collected Date	02/16/23			03/08/23 15:14	
	Collected Time	15:00			03/08/23 15:14	
	pH	4.73	Std. Units		03/08/23 15:14	
EPA 6010D	Calcium	0.81J	mg/L	1.0	03/02/23 16:44	
EPA 6010D	Manganese	0.014J	mg/L	0.040	03/02/23 16:44	
EPA 6010D	Potassium	0.25J	mg/L	0.50	03/02/23 16:44	
EPA 6010D	Sodium	0.89J	mg/L	1.0	03/02/23 16:44	
EPA 6010D	Magnesium	0.33	mg/L	0.050	03/02/23 16:44	
EPA 6020B	Barium	0.0081	mg/L	0.0050	03/03/23 18:07	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951005	BOW-GWA-50R					
EPA 6020B	Copper	0.0028J	mg/L	0.0050	03/03/23 18:07	
EPA 6020B	Nickel	0.00081J	mg/L	0.0050	03/03/23 18:07	
EPA 6020B	Silver	0.0011J	mg/L	0.0050	03/03/23 18:07	
EPA 300.0 Rev 2.1 1993	Chloride	0.71J	mg/L	1.0	02/22/23 01:33	
EPA 300.0 Rev 2.1 1993	Sulfate	0.58J	mg/L	1.0	02/22/23 01:33	
92652951006	BOW-LF1-2-FD-10					
EPA 6010D	Calcium	0.81J	mg/L	1.0	03/02/23 17:06	
EPA 6010D	Manganese	0.015J	mg/L	0.040	03/02/23 17:06	
EPA 6010D	Potassium	0.23J	mg/L	0.50	03/02/23 17:06	
EPA 6010D	Sodium	0.89J	mg/L	1.0	03/02/23 17:06	
EPA 6010D	Magnesium	0.34	mg/L	0.050	03/02/23 17:06	
EPA 6020B	Barium	0.0080	mg/L	0.0050	03/03/23 18:25	
EPA 6020B	Copper	0.0028J	mg/L	0.0050	03/03/23 18:25	
EPA 6020B	Nickel	0.00088J	mg/L	0.0050	03/03/23 18:25	
EPA 6020B	Silver	0.0010J	mg/L	0.0050	03/03/23 18:25	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/07/23 09:42	
SM 2540C-2015	Total Dissolved Solids	46.0	mg/L	25.0	02/23/23 13:38	
EPA 300.0 Rev 2.1 1993	Chloride	0.74J	mg/L	1.0	02/22/23 02:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.57J	mg/L	1.0	02/22/23 02:17	
92652951007	BOW-LF1-2-FB-16					
SM 2540C-2015	Total Dissolved Solids	33.0	mg/L	25.0	02/23/23 13:38	
92652951008	BOW-GWC-5					
	Performed by	Client			03/08/23 15:15	
	Collected By	Kevin Stephenson			03/08/23 15:15	
	Collected Date	02/20/23			03/08/23 15:15	
	Collected Time	11:11			03/08/23 15:15	
	pH	5.78	Std. Units		03/08/23 15:15	
EPA 6010D	Zinc	0.032	mg/L	0.020	03/02/23 17:15	
EPA 6010D	Calcium	3.5	mg/L	1.0	03/02/23 17:15	
EPA 6010D	Manganese	0.025J	mg/L	0.040	03/02/23 17:15	
EPA 6010D	Potassium	1.6	mg/L	0.50	03/02/23 17:15	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/02/23 17:15	
EPA 6010D	Magnesium	0.25	mg/L	0.050	03/02/23 17:15	
EPA 6020B	Barium	0.012	mg/L	0.0050	03/03/23 18:37	
EPA 6020B	Beryllium	0.00060	mg/L	0.00050	03/03/23 18:37	
EPA 6020B	Copper	0.023	mg/L	0.0050	03/03/23 18:37	
EPA 6020B	Nickel	0.0087	mg/L	0.0050	03/03/23 18:37	
SM 2540C-2015	Total Dissolved Solids	53.0	mg/L	25.0	02/23/23 13:40	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	11.4	mg/L	5.0	02/24/23 10:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	11.4	mg/L	5.0	02/24/23 10:48	
EPA 300.0 Rev 2.1 1993	Chloride	0.88J	mg/L	1.0	02/23/23 21:31	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/23/23 21:31	
92652951009	BOW-GWC-7Z					
	Performed by	Client			03/08/23 15:16	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951009	BOW-GWC-7Z					
	Collected By	Kevin Stephenson			03/08/23 15:16	
	Collected Date	02/20/23			03/08/23 15:16	
	Collected Time	12:37			03/08/23 15:16	
	pH	7.40	Std. Units		03/08/23 15:16	
EPA 6010D	Calcium	26.1	mg/L	1.0	03/02/23 17:20	
EPA 6010D	Iron	0.15	mg/L	0.040	03/02/23 17:20	
EPA 6010D	Manganese	0.067	mg/L	0.040	03/02/23 17:20	
EPA 6010D	Potassium	0.81	mg/L	0.50	03/02/23 17:20	
EPA 6010D	Sodium	2.6	mg/L	1.0	03/02/23 17:20	
EPA 6010D	Magnesium	13.2	mg/L	0.050	03/02/23 17:20	
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	03/03/23 18:43	
EPA 6020B	Barium	0.015	mg/L	0.0050	03/03/23 18:43	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	03/03/23 18:43	
SM 2540C-2015	Total Dissolved Solids	122	mg/L	25.0	02/23/23 13:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	02/24/23 10:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	02/24/23 10:53	
EPA 300.0 Rev 2.1 1993	Chloride	0.94J	mg/L	1.0	02/23/23 21:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	02/23/23 21:46	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/23/23 21:46	
92652951010	BOW-GWC-8Z					
	Performed by	Client			03/08/23 15:17	
	Collected By	Kevin Stephenson			03/08/23 15:17	
	Collected Date	02/20/23			03/08/23 15:17	
	Collected Time	14:46			03/08/23 15:17	
	pH	6.87	Std. Units		03/08/23 15:17	
EPA 6010D	Calcium	18.5	mg/L	1.0	03/02/23 17:25	
EPA 6010D	Potassium	1.7	mg/L	0.50	03/02/23 17:25	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/02/23 17:25	
EPA 6010D	Magnesium	7.1	mg/L	0.050	03/02/23 17:25	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/03/23 18:49	
SM 2540C-2015	Total Dissolved Solids	86.0	mg/L	25.0	02/23/23 13:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	75.3	mg/L	5.0	02/24/23 11:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	75.3	mg/L	5.0	02/24/23 11:02	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/23/23 22:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	02/23/23 22:30	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/23/23 22:30	
92652951011	BOW-GWA-3A					
	Performed by	Client			03/08/23 15:18	
	Collected By	Kevin Stephenson			03/08/23 15:18	
	Collected Date	02/17/23			03/08/23 15:18	
	Collected Time	10:56			03/08/23 15:18	
	pH	7.71	Std. Units		03/08/23 15:18	
EPA 6010D	Calcium	22.4	mg/L	1.0	03/02/23 17:30	
EPA 6010D	Potassium	1.3	mg/L	0.50	03/02/23 17:30	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951011	BOW-GWA-3A					
EPA 6010D	Sodium	4.2	mg/L	1.0	03/02/23 17:30	
EPA 6010D	Magnesium	11.4	mg/L	0.050	03/02/23 17:30	
EPA 6020B	Barium	0.0065	mg/L	0.0050	03/03/23 18:55	
EPA 7470A	Mercury	0.00013J	mg/L	0.00020	03/07/23 09:55	
SM 2540C-2015	Total Dissolved Solids	117	mg/L	25.0	02/23/23 13:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	02/24/23 14:14	
SM 2320B-2011	Alkalinity, Total as CaCO3	100	mg/L	5.0	02/24/23 14:14	
EPA 300.0 Rev 2.1 1993	Chloride	6.3	mg/L	1.0	02/23/23 22:45	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	02/23/23 22:45	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/23/23 22:45	
92652951012	BOW-GWA-4RZ					
	Performed by	Client			03/08/23 15:19	
	Collected By	Kevin Stephenson			03/08/23 15:19	
	Collected Date	02/17/23			03/08/23 15:19	
	Collected Time	09:46			03/08/23 15:19	
	pH	6.98	Std. Units		03/08/23 15:19	
EPA 6010D	Calcium	59.4	mg/L	1.0	03/02/23 17:35	
EPA 6010D	Manganese	0.011J	mg/L	0.040	03/02/23 17:35	
EPA 6010D	Potassium	0.78	mg/L	0.50	03/02/23 17:35	
EPA 6010D	Sodium	3.3	mg/L	1.0	03/02/23 17:35	
EPA 6010D	Magnesium	24.9	mg/L	0.050	03/02/23 17:35	
EPA 6020B	Barium	0.043	mg/L	0.0050	03/03/23 19:01	
EPA 6020B	Cobalt	0.017	mg/L	0.0050	03/03/23 19:01	
SM 2540C-2015	Total Dissolved Solids	252	mg/L	25.0	02/23/23 13:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	241	mg/L	5.0	02/24/23 16:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	241	mg/L	5.0	02/24/23 16:04	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	02/23/23 23:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	02/23/23 23:29	
EPA 300.0 Rev 2.1 1993	Sulfate	21.2	mg/L	1.0	02/23/23 23:29	
92652951013	BOW-GWC-6					
	Performed by	Client			03/08/23 15:20	
	Collected By	Kevin Stephenson			03/08/23 15:20	
	Collected Date	02/17/23			03/08/23 15:20	
	Collected Time	12:00			03/08/23 15:20	
	pH	7.11	Std. Units		03/08/23 15:20	
EPA 6010D	Calcium	15.2	mg/L	1.0	03/02/23 17:40	
EPA 6010D	Potassium	1.1	mg/L	0.50	03/02/23 17:40	
EPA 6010D	Sodium	0.92J	mg/L	1.0	03/02/23 17:40	
EPA 6010D	Magnesium	7.4	mg/L	0.050	03/02/23 17:40	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/03/23 19:07	
EPA 6020B	Chromium	0.0031J	mg/L	0.0050	03/03/23 19:07	
SM 2540C-2015	Total Dissolved Solids	75.0	mg/L	25.0	02/23/23 13:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	69.3	mg/L	5.0	02/24/23 14:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	69.3	mg/L	5.0	02/24/23 14:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/23/23 23:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951013	BOW-GWC-6					
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/23/23 23:44	
92652951014	BOW-GWC-6RZ					
	Performed by	Client			03/08/23 15:21	
	Collected By	Kevin Stephenson			03/08/23 15:21	
	Collected Date	02/17/23			03/08/23 15:21	
	Collected Time	13:28			03/08/23 15:21	
	pH	6.41	Std. Units		03/08/23 15:21	
EPA 6010D	Calcium	9.7	mg/L	1.0	03/02/23 17:44	
EPA 6010D	Manganese	0.0047J	mg/L	0.040	03/02/23 17:44	
EPA 6010D	Potassium	0.96	mg/L	0.50	03/02/23 17:44	
EPA 6010D	Sodium	1.6	mg/L	1.0	03/02/23 17:44	
EPA 6010D	Magnesium	5.0	mg/L	0.050	03/02/23 17:44	
EPA 6020B	Barium	0.0067	mg/L	0.0050	03/03/23 19:13	
EPA 6020B	Beryllium	0.000054J	mg/L	0.00050	03/03/23 19:13	
EPA 6020B	Chromium	0.0022J	mg/L	0.0050	03/03/23 19:13	
SM 2540C-2015	Total Dissolved Solids	50.0	mg/L	25.0	02/23/23 13:39	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	44.1	mg/L	5.0	02/24/23 14:37	
SM 2320B-2011	Alkalinity, Total as CaCO3	44.1	mg/L	5.0	02/24/23 14:37	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/23/23 23:59	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/23/23 23:59	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/23/23 23:59	
92652951015	BOW-GWC-10					
	Performed by	Client			03/08/23 15:22	
	Collected By	Kevin Stephenson			03/08/23 15:22	
	Collected Date	02/20/23			03/08/23 15:22	
	Collected Time	12:45			03/08/23 15:22	
	pH	5.39	Std. Units		03/08/23 15:22	
EPA 6010D	Calcium	9.0	mg/L	1.0	03/02/23 17:49	
EPA 6010D	Potassium	0.48J	mg/L	0.50	03/02/23 17:49	
EPA 6010D	Sodium	1.9	mg/L	1.0	03/02/23 17:49	
EPA 6010D	Magnesium	5.3	mg/L	0.050	03/02/23 17:49	
EPA 6020B	Barium	0.020	mg/L	0.0050	03/03/23 19:19	
EPA 6020B	Beryllium	0.00030J	mg/L	0.00050	03/03/23 19:19	
EPA 6020B	Cobalt	0.0026J	mg/L	0.0050	03/03/23 19:19	
EPA 6020B	Nickel	0.0019J	mg/L	0.0050	03/03/23 19:19	
EPA 7470A	Mercury	0.00028	mg/L	0.00020	03/07/23 10:05	
SM 2540C-2015	Total Dissolved Solids	47.0	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	47.1	mg/L	5.0	02/24/23 11:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	47.1	mg/L	5.0	02/24/23 11:10	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/24/23 00:14	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/24/23 00:14	
92652951016	BOW-GWC-10R					
	Performed by	Client			03/08/23 15:25	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951016	BOW-GWC-10R					
	Collected By	Kevin Stephenson			03/08/23 15:25	
	Collected Date	02/20/23			03/08/23 15:25	
	Collected Time	13:45			03/08/23 15:25	
	pH	7.08	Std. Units		03/08/23 15:25	
EPA 6010D	Calcium	46.2	mg/L	1.0	03/02/23 18:04	
EPA 6010D	Potassium	0.77	mg/L	0.50	03/02/23 18:04	
EPA 6010D	Sodium	1.8	mg/L	1.0	03/02/23 18:04	
EPA 6010D	Magnesium	8.8	mg/L	0.050	03/02/23 18:04	
EPA 6020B	Barium	0.024	mg/L	0.0050	03/03/23 19:37	
EPA 7470A	Mercury	0.00030	mg/L	0.00020	03/07/23 10:13	
SM 2540C-2015	Total Dissolved Solids	154	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	02/24/23 11:18	
SM 2320B-2011	Alkalinity, Total as CaCO3	152	mg/L	5.0	02/24/23 11:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/24/23 00:29	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/24/23 00:29	
92652951017	BOW-GWC-11					
	Performed by	Client			03/08/23 15:26	
	Collected By	Kevin Stephenson			03/08/23 15:26	
	Collected Date	02/20/23			03/08/23 15:26	
	Collected Time	13:45			03/08/23 15:26	
	pH	5.52	Std. Units		03/08/23 15:26	
EPA 6010D	Calcium	7.4	mg/L	1.0	03/02/23 18:08	
EPA 6010D	Iron	0.029J	mg/L	0.040	03/02/23 18:08	
EPA 6010D	Manganese	0.020J	mg/L	0.040	03/02/23 18:08	
EPA 6010D	Potassium	0.64	mg/L	0.50	03/02/23 18:08	
EPA 6010D	Sodium	3.9	mg/L	1.0	03/02/23 18:08	
EPA 6010D	Magnesium	3.8	mg/L	0.050	03/02/23 18:08	
EPA 6020B	Barium	0.0071	mg/L	0.0050	03/03/23 19:43	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	03/03/23 19:43	
EPA 7470A	Mercury	0.00019J	mg/L	0.00020	03/07/23 10:16	
SM 2540C-2015	Total Dissolved Solids	98.0	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	38.3	mg/L	5.0	02/24/23 11:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	38.3	mg/L	5.0	02/24/23 11:38	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/24/23 00:43	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/24/23 00:43	
92652951018	BOW-GWC-11R					
	Performed by	Client			03/08/23 15:28	
	Collected By	Kevin Stephenson			03/08/23 15:28	
	Collected Date	02/20/23			03/08/23 15:28	
	Collected Time	15:00			03/08/23 15:28	
	pH	7.20	Std. Units		03/08/23 15:28	
EPA 6010D	Calcium	32.5	mg/L	1.0	03/02/23 18:13	
EPA 6010D	Potassium	1.1	mg/L	0.50	03/02/23 18:13	
EPA 6010D	Sodium	0.91J	mg/L	1.0	03/02/23 18:13	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951018	BOW-GWC-11R					
EPA 6010D	Magnesium	17.3	mg/L	0.050	03/02/23 18:13	
EPA 6020B	Barium	0.020	mg/L	0.0050	03/03/23 19:49	
EPA 6020B	Chromium	0.0037J	mg/L	0.0050	03/03/23 19:49	
EPA 7470A	Mercury	0.00016J	mg/L	0.00020	03/07/23 10:18	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	25.0	02/23/23 13:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/24/23 11:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/24/23 11:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/24/23 00:58	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/24/23 00:58	
92652951019	BOW-LF1-2-FD-11					
EPA 6010D	Calcium	7.3	mg/L	1.0	03/02/23 18:18	
EPA 6010D	Iron	0.026J	mg/L	0.040	03/02/23 18:18	
EPA 6010D	Manganese	0.026J	mg/L	0.040	03/02/23 18:18	
EPA 6010D	Potassium	0.51	mg/L	0.50	03/02/23 18:18	
EPA 6010D	Sodium	3.8	mg/L	1.0	03/02/23 18:18	
EPA 6010D	Magnesium	3.8	mg/L	0.050	03/02/23 18:18	
EPA 6020B	Barium	0.0072	mg/L	0.0050	03/03/23 19:55	
EPA 7470A	Mercury	0.00018J	mg/L	0.00020	03/07/23 10:21	
SM 2540C-2015	Total Dissolved Solids	50.0	mg/L	25.0	02/23/23 13:44	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	37.9	mg/L	5.0	02/24/23 11:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	37.9	mg/L	5.0	02/24/23 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/24/23 01:43	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/24/23 01:43	
92652951020	BOW-LF1-2-FB-18					
EPA 7470A	Mercury	0.00030	mg/L	0.00020	03/07/23 10:24	
92652951021	BOW-LF1-2-FB-17					
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	03/09/23 18:31	
SM 2540C-2015	Total Dissolved Solids	69.0	mg/L	25.0	02/23/23 13:40	
92652951022	BOW-GWC-8RR					
	Performed by	Client			03/08/23 15:32	
	Collected By	Kevin Stephenson			03/08/23 15:32	
	Collected Date	02/21/23			03/08/23 15:32	
	Collected Time	09:50			03/08/23 15:32	
	pH	7.88	Std. Units		03/08/23 15:32	
EPA 6010D	Calcium	18.0	mg/L	1.0	03/04/23 14:02	
EPA 6010D	Potassium	1.4	mg/L	0.50	03/04/23 14:02	
EPA 6010D	Sodium	1.5	mg/L	1.0	03/04/23 14:02	
EPA 6010D	Magnesium	8.0	mg/L	0.050	03/04/23 14:02	
EPA 6020B	Barium	0.011	mg/L	0.0050	03/09/23 18:37	
EPA 6020B	Chromium	0.0053	mg/L	0.0050	03/09/23 18:37	
SM 2540C-2015	Total Dissolved Solids	77.0	mg/L	25.0	02/27/23 12:57	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	79.7	mg/L	5.0	03/01/23 17:00	
SM 2320B-2011	Alkalinity, Total as CaCO3	79.7	mg/L	5.0	03/01/23 17:00	
EPA 300.0 Rev 2.1 1993	Chloride	0.97J	mg/L	1.0	02/25/23 16:05	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951022	BOW-GWC-8RR					
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	02/25/23 16:05	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/25/23 16:05	
92652951023	BOW-GWC-9					
	Performed by	Client			03/08/23 15:32	
	Collected By	Kevin Stephenson			03/08/23 15:32	
	Collected Date	02/21/23			03/08/23 15:32	
	Collected Time	10:55			03/08/23 15:32	
	pH	4.59	Std. Units		03/08/23 15:32	
EPA 6010D	Calcium	2.3	mg/L	1.0	03/04/23 14:06	
EPA 6010D	Manganese	0.025J	mg/L	0.040	03/04/23 14:06	
EPA 6010D	Potassium	0.93	mg/L	0.50	03/04/23 14:06	
EPA 6010D	Sodium	0.99J	mg/L	1.0	03/04/23 14:06	
EPA 6010D	Magnesium	1.1	mg/L	0.050	03/04/23 14:06	
EPA 6020B	Arsenic	0.0028J	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Barium	0.042	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Beryllium	0.00017J	mg/L	0.00050	03/09/23 18:43	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Nickel	0.0010J	mg/L	0.0050	03/09/23 18:43	
EPA 6020B	Vanadium	0.0030J	mg/L	0.010	03/09/23 18:43	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/25/23 16:19	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	02/25/23 16:19	
92652951024	BOW-GWC-12					
	Performed by	Client			03/08/23 15:33	
	Collected By	Kevin Stephenson			03/08/23 15:33	
	Collected Date	02/21/23			03/08/23 15:33	
	Collected Time	15:01			03/08/23 15:33	
	pH	6.18	Std. Units		03/08/23 15:33	
EPA 6010D	Calcium	7.9	mg/L	1.0	03/04/23 14:11	
EPA 6010D	Iron	9.3	mg/L	0.040	03/04/23 14:11	
EPA 6010D	Manganese	0.19	mg/L	0.040	03/04/23 14:11	
EPA 6010D	Potassium	1.0	mg/L	0.50	03/04/23 14:11	
EPA 6010D	Sodium	2.9	mg/L	1.0	03/04/23 14:11	
EPA 6010D	Magnesium	4.1	mg/L	0.050	03/04/23 14:11	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	03/09/23 19:07	
EPA 6020B	Arsenic	0.0094	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Barium	0.023	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Cadmium	0.00040J	mg/L	0.00050	03/09/23 19:07	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Nickel	0.0022J	mg/L	0.0050	03/09/23 19:07	
EPA 6020B	Vanadium	0.0034J	mg/L	0.010	03/09/23 19:07	
SM 2540C-2015	Total Dissolved Solids	42.0	mg/L	25.0	02/27/23 13:08	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	47.5	mg/L	5.0	03/01/23 17:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	47.5	mg/L	5.0	03/01/23 17:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.99J	mg/L	1.0	02/25/23 16:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	02/25/23 16:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951025	BOW-LF1-2-FB-19					
EPA 6020B	Arsenic	0.0024J	mg/L	0.0050	03/09/23 19:13	
EPA 6020B	Vanadium	0.0032J	mg/L	0.010	03/09/23 19:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.052J	mg/L	0.10	02/25/23 17:17	
92652951026	BOW-GWC-13					
	Performed by	Client			03/08/23 15:34	
	Collected By	Kevin Stephenson			03/08/23 15:34	
	Collected Date	02/22/2023			03/08/23 15:34	
	Collected Time	11:30			03/08/23 15:34	
	pH	6.96	Std. Units		03/08/23 15:34	
EPA 6010D	Calcium	26.3	mg/L	1.0	03/04/23 14:30	
EPA 6010D	Iron	0.12	mg/L	0.040	03/04/23 14:30	
EPA 6010D	Manganese	0.040	mg/L	0.040	03/04/23 14:30	
EPA 6010D	Potassium	1.7	mg/L	0.50	03/04/23 14:30	
EPA 6010D	Sodium	1.9	mg/L	1.0	03/04/23 14:30	
EPA 6010D	Magnesium	10.0	mg/L	0.050	03/04/23 14:30	
EPA 6020B	Barium	0.022	mg/L	0.0050	03/09/23 19:31	
EPA 6020B	Chromium	0.0038J	mg/L	0.0050	03/09/23 19:31	
EPA 6020B	Vanadium	0.0019J	mg/L	0.010	03/09/23 19:31	
SM 2540C-2015	Total Dissolved Solids	1020	mg/L	25.0	02/27/23 13:08	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	03/01/23 20:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	03/01/23 20:25	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	02/25/23 17:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	02/25/23 17:31	
EPA 300.0 Rev 2.1 1993	Sulfate	8.7	mg/L	1.0	02/25/23 17:31	
92652951027	BOW-GWC-13RZ					
	Performed by	Client			03/08/23 15:35	
	Collected By	Kevin Stephenson			03/08/23 15:35	
	Collected Date	02/22/23			03/08/23 15:35	
	Collected Time	10:05			03/08/23 15:35	
	pH	7.15	Std. Units		03/08/23 15:35	
EPA 6010D	Calcium	40.1	mg/L	1.0	03/04/23 14:35	
EPA 6010D	Iron	0.12	mg/L	0.040	03/04/23 14:35	
EPA 6010D	Manganese	0.0082J	mg/L	0.040	03/04/23 14:35	
EPA 6010D	Potassium	1.2	mg/L	0.50	03/04/23 14:35	
EPA 6010D	Sodium	21.3	mg/L	1.0	03/04/23 14:35	
EPA 6010D	Magnesium	17.5	mg/L	0.050	03/04/23 14:35	
EPA 6020B	Arsenic	0.0031J	mg/L	0.0050	03/09/23 19:37	
EPA 6020B	Barium	0.099	mg/L	0.0050	03/09/23 19:37	
EPA 6020B	Boron	0.013J	mg/L	0.040	03/09/23 19:37	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	03/09/23 19:37	
EPA 6020B	Copper	0.0014J	mg/L	0.0050	03/09/23 19:37	
SM 2540C-2015	Total Dissolved Solids	254	mg/L	25.0	02/27/23 13:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	03/01/23 20:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	03/01/23 20:34	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/25/23 17:46	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92652951027	BOW-GWC-13RZ					
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/25/23 17:46	
EPA 300.0 Rev 2.1 1993	Sulfate	59.7	mg/L	1.0	02/25/23 17:46	
92652951028	BOW-GWC-14Z					
	Performed by	Client			03/08/23 15:35	
	Collected By	Kevin Stephenson			03/08/23 15:35	
	Collected Date	02/22/23			03/08/23 15:35	
	Collected Time	13:12			03/08/23 15:35	
	pH	5.97	Std. Units		03/08/23 15:35	
EPA 6010D	Calcium	14.3	mg/L	1.0	03/04/23 14:40	
EPA 6010D	Manganese	0.038J	mg/L	0.040	03/04/23 14:40	
EPA 6010D	Potassium	1.1	mg/L	0.50	03/04/23 14:40	
EPA 6010D	Sodium	3.2	mg/L	1.0	03/04/23 14:40	
EPA 6010D	Magnesium	5.6	mg/L	0.050	03/04/23 14:40	
EPA 6020B	Barium	0.014	mg/L	0.0050	03/09/23 19:43	
EPA 6020B	Beryllium	0.000094J	mg/L	0.00050	03/09/23 19:43	
SM 2540C-2015	Total Dissolved Solids	65.0	mg/L	25.0	02/27/23 13:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	46.2	mg/L	5.0	03/01/23 20:45	
SM 2320B-2011	Alkalinity, Total as CaCO3	46.2	mg/L	5.0	03/01/23 20:45	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	02/25/23 18:29	
EPA 300.0 Rev 2.1 1993	Sulfate	10.7	mg/L	1.0	02/25/23 18:29	
92652951029	BOW-GWC-15R					
	Performed by	Client			03/08/23 15:36	
	Collected By	Kevin Stephenson			03/08/23 15:36	
	Collected Date	02/22/23			03/08/23 15:36	
	Collected Time	13:35			03/08/23 15:36	
	pH	7.32	Std. Units		03/08/23 15:36	
EPA 6010D	Calcium	38.1	mg/L	1.0	03/04/23 14:45	
EPA 6010D	Iron	0.080	mg/L	0.040	03/04/23 14:45	
EPA 6010D	Potassium	0.98	mg/L	0.50	03/04/23 14:45	
EPA 6010D	Sodium	1.0J	mg/L	1.0	03/04/23 14:45	
EPA 6010D	Magnesium	19.3	mg/L	0.050	03/04/23 14:45	
EPA 6020B	Barium	0.016	mg/L	0.0050	03/09/23 19:49	
SM 2540C-2015	Total Dissolved Solids	174	mg/L	25.0	02/27/23 13:10	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	03/01/23 20:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	171	mg/L	5.0	03/01/23 20:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/25/23 18:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	02/25/23 18:44	
EPA 300.0 Rev 2.1 1993	Sulfate	7.5	mg/L	1.0	02/25/23 18:44	
92652951030	BOW-GWC-15Z					
	Performed by	Client			03/08/23 15:37	
	Collected By	Kevin Stephenson			03/08/23 15:37	
	Collected Date	02/22/23			03/08/23 15:37	
	Collected Time	10:45			03/08/23 15:37	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92652951030	BOW-GWC-15Z					
	pH	7.49	Std. Units		03/08/23 15:37	
EPA 6010D	Calcium	24.4	mg/L	1.0	03/04/23 14:50	
EPA 6010D	Potassium	0.89	mg/L	0.50	03/04/23 14:50	
EPA 6010D	Sodium	2.0	mg/L	1.0	03/04/23 14:50	
EPA 6010D	Magnesium	13.3	mg/L	0.050	03/04/23 14:50	
EPA 6020B	Barium	0.010	mg/L	0.0050	03/09/23 19:55	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	03/09/23 19:55	
SM 2540C-2015	Total Dissolved Solids	111	mg/L	25.0	02/27/23 13:11	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	03/01/23 21:03	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	03/01/23 21:03	
EPA 300.0 Rev 2.1 1993	Chloride	0.83J	mg/L	1.0	02/25/23 18:58	
EPA 300.0 Rev 2.1 1993	Sulfate	0.81J	mg/L	1.0	02/25/23 18:58	
92652951031	BOW-LF1-2-FB-20					
EPA 6010D	Potassium	0.37J	mg/L	0.50	03/04/23 14:59	
92652951032	BOW-LF1-2-FD-12					
EPA 6010D	Calcium	24.7	mg/L	1.0	03/04/23 14:55	
EPA 6010D	Iron	0.027J	mg/L	0.040	03/04/23 14:55	
EPA 6010D	Potassium	0.99	mg/L	0.50	03/04/23 14:55	
EPA 6010D	Sodium	2.3	mg/L	1.0	03/04/23 14:55	
EPA 6010D	Magnesium	13.5	mg/L	0.050	03/04/23 14:55	
EPA 6020B	Barium	0.010	mg/L	0.0050	03/09/23 20:00	
SM 2540C-2015	Total Dissolved Solids	112	mg/L	25.0	02/27/23 13:13	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	03/01/23 21:17	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	03/01/23 21:17	
EPA 300.0 Rev 2.1 1993	Chloride	0.82J	mg/L	1.0	02/25/23 19:27	
EPA 300.0 Rev 2.1 1993	Sulfate	0.80J	mg/L	1.0	02/25/23 19:27	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-1 **Lab ID: 92652951001** Collected: 02/16/23 12:34 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:09		
Collected By	Kevin Stephens						03/08/23 15:09		
Collected Date	02/16/23						03/08/23 15:09		
Collected Time	12:34						03/08/23 15:09		
pH	7.39	Std. Units					03/08/23 15:09		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:11	7440-66-6	
Calcium	33.3	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:11	7440-70-2	
Iron	0.069	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:11	7439-89-6	
Manganese	0.11	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:11	7439-96-5	
Potassium	1.2	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:11	7440-09-7	
Sodium	6.0	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:11	7440-23-5	
Magnesium	16.3	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:11	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.016	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 17:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 17:26	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 17:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 17:26	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 17:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 17:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 17:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 17:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 17:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 17:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 17:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 17:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 17:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 17:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 17:26	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00017J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:15	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	152	mg/L	25.0	25.0	1		02/23/23 13:37		D6
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-1 Lab ID: 92652951001 Collected: 02/16/23 12:34 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	5.0	1		02/23/23 19:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 19:54		
Alkalinity, Total as CaCO3	162	mg/L	5.0	5.0	1		02/23/23 19:54		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/22/23 00:03	16887-00-6	
Fluoride	0.070J	mg/L	0.10	0.050	1		02/22/23 00:03	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/22/23 00:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-2 **Lab ID: 92652951002** Collected: 02/16/23 14:35 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:11		
Collected By	Kevin Stephens				1		03/08/23 15:11		
Collected Date	02/16/23				1		03/08/23 15:11		
Collected Time	14:35				1		03/08/23 15:11		
pH	6.56	Std. Units			1		03/08/23 15:11		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:16	7440-66-6	
Calcium	60.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:16	7439-89-6	
Manganese	0.021J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:16	7439-96-5	
Potassium	0.91	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:16	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:16	7440-23-5	
Magnesium	16.0	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 17:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 17:32	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 17:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 17:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 17:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 17:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 17:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 17:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 17:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 17:32	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 17:32	7440-02-0	
Selenium	0.0014J	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 17:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 17:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 17:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 17:32	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:26	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	267	mg/L	25.0	25.0	1		02/23/23 13:37		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-2 **Lab ID: 92652951002** Collected: 02/16/23 14:35 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	89.3	mg/L	5.0	5.0	1		02/23/23 20:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:04		
Alkalinity, Total as CaCO3	89.3	mg/L	5.0	5.0	1		02/23/23 20:04		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/22/23 00:18	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		02/22/23 00:18	16984-48-8	
Sulfate	115	mg/L	2.0	1.0	2		02/22/23 10:34	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-2R **Lab ID: 92652951003** Collected: 02/16/23 15:26 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:12		
Collected By	Kevin Stephens				1		03/08/23 15:12		
Collected Date	02/16/23				1		03/08/23 15:12		
Collected Time	15:26				1		03/08/23 15:12		
pH	7.02	Std. Units			1		03/08/23 15:12		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:21	7440-66-6	
Calcium	51.6	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:21	7440-70-2	
Iron	0.48	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:21	7439-89-6	
Manganese	0.11	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:21	7439-96-5	
Potassium	0.61	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:21	7440-09-7	
Sodium	2.7	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:21	7440-23-5	
Magnesium	10.9	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:21	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0048	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 17:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 17:56	7440-38-2	
Barium	0.028	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 17:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 17:56	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 17:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 17:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 17:56	7440-47-3	
Cobalt	0.00065J	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 17:56	7440-48-4	
Copper	0.0011J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 17:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 17:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 17:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 17:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 17:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 17:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 17:56	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:28	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	197	mg/L	25.0	25.0	1		02/23/23 13:38		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-2R **Lab ID: 92652951003** Collected: 02/16/23 15:26 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	134	mg/L	5.0	5.0	1		02/23/23 20:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:13		
Alkalinity, Total as CaCO3	134	mg/L	5.0	5.0	1		02/23/23 20:13		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/22/23 01:03	16887-00-6	
Fluoride	0.079J	mg/L	0.10	0.050	1		02/22/23 01:03	16984-48-8	
Sulfate	38.9	mg/L	1.0	0.50	1		02/22/23 01:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-50 **Lab ID: 92652951004** Collected: 02/16/23 13:45 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:13		
Collected By	Kevin Stephens				1		03/08/23 15:13		
Collected Date	02/16/23				1		03/08/23 15:13		
Collected Time	13:45				1		03/08/23 15:13		
pH	4.95	Std. Units			1		03/08/23 15:13		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:39	7440-66-6	
Calcium	1.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:39	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:39	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:39	7439-96-5	
Potassium	0.27J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:39	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:39	7440-23-5	
Magnesium	0.29	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:39	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:02	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:02	7440-48-4	
Copper	0.0015J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:02	7439-92-1	
Nickel	0.00082J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:02	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:31	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/23/23 13:38		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-50 **Lab ID: 92652951004** Collected: 02/16/23 13:45 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:22		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/23/23 20:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.91J	mg/L	1.0	0.60	1		02/22/23 01:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 01:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/22/23 01:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-50R **Lab ID: 92652951005** Collected: 02/16/23 15:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:14		
Collected By	Kevin Stephens				1		03/08/23 15:14		
Collected Date	02/16/23				1		03/08/23 15:14		
Collected Time	15:00				1		03/08/23 15:14		
pH	4.73	Std. Units			1		03/08/23 15:14		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 16:44	7440-66-6	
Calcium	0.81J	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 16:44	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 16:44	7439-89-6	
Manganese	0.014J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 16:44	7439-96-5	
Potassium	0.25J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 16:44	7440-09-7	
Sodium	0.89J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 16:44	7440-23-5	
Magnesium	0.33	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 16:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:07	7440-38-2	
Barium	0.0081	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:07	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:07	7439-92-1	
Nickel	0.00081J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:07	7782-49-2	
Silver	0.0011J	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:34	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/23/23 13:38		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-GWA-50R** Lab ID: **92652951005** Collected: 02/16/23 15:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:37		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/23/23 20:37		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.71J	mg/L	1.0	0.60	1		02/22/23 01:33	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 01:33	16984-48-8	
Sulfate	0.58J	mg/L	1.0	0.50	1		02/22/23 01:33	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-10 **Lab ID: 92652951006** Collected: 02/16/23 00:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:06	7440-66-6	
Calcium	0.81J	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:06	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:06	7439-89-6	
Manganese	0.015J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:06	7439-96-5	
Potassium	0.23J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:06	7440-09-7	
Sodium	0.89J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:06	7440-23-5	
Magnesium	0.34	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:25	7440-38-2	
Barium	0.0080	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:25	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:25	7439-92-1	
Nickel	0.00088J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:25	7782-49-2	
Silver	0.0010J	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	46.0	mg/L	25.0	25.0	1		02/23/23 13:38		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:42		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/23/23 20:42		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.74J	mg/L	1.0	0.60	1		02/22/23 02:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 02:17	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-10 Lab ID: 92652951006 Collected: 02/16/23 00:00 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.57J	mg/L	1.0	0.50	1		02/22/23 02:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-16 **Lab ID: 92652951007** Collected: 02/16/23 14:50 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:10	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:10	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:10	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:10	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:10	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:10	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:10	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:44	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	33.0	mg/L	25.0	25.0	1		02/23/23 13:38		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/23/23 20:58		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/23/23 20:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/22/23 03:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/22/23 03:02	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-16 Lab ID: 92652951007 Collected: 02/16/23 14:50 Received: 02/17/23 12:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/22/23 03:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-5 **Lab ID: 92652951008** Collected: 02/20/23 11:11 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:15		
Collected By	Kevin Stephens				1		03/08/23 15:15		
Collected Date	02/20/23				1		03/08/23 15:15		
Collected Time	11:11				1		03/08/23 15:15		
pH	5.78	Std. Units			1		03/08/23 15:15		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	0.032	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:15	7440-66-6	
Calcium	3.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:15	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:15	7439-89-6	
Manganese	0.025J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:15	7439-96-5	
Potassium	1.6	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:15	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:15	7440-23-5	
Magnesium	0.25	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:15	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:37	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:37	7440-39-3	
Beryllium	0.00060	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:37	7440-48-4	
Copper	0.023	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:37	7439-92-1	
Nickel	0.0087	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:47	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	53.0	mg/L	25.0	25.0	1		02/23/23 13:40		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-5 **Lab ID: 92652951008** Collected: 02/20/23 11:11 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	11.4	mg/L	5.0	5.0	1		02/24/23 10:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 10:48		
Alkalinity, Total as CaCO3	11.4	mg/L	5.0	5.0	1		02/24/23 10:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.88J	mg/L	1.0	0.60	1		02/23/23 21:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/23/23 21:31	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/23/23 21:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-7Z **Lab ID: 92652951009** Collected: 02/20/23 12:37 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:16		
Collected By	Kevin Stephens				1		03/08/23 15:16		
Collected Date	02/20/23				1		03/08/23 15:16		
Collected Time	12:37				1		03/08/23 15:16		
pH	7.40	Std. Units			1		03/08/23 15:16		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:20	7440-66-6	
Calcium	26.1	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:20	7440-70-2	
Iron	0.15	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:20	7439-89-6	
Manganese	0.067	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:20	7439-96-5	
Potassium	0.81	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:20	7440-09-7	
Sodium	2.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:20	7440-23-5	
Magnesium	13.2	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:20	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0012J	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:43	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:43	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:49	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	122	mg/L	25.0	25.0	1		02/23/23 13:41		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-GWC-7Z** Lab ID: **92652951009** Collected: 02/20/23 12:37 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	5.0	1		02/24/23 10:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 10:53		
Alkalinity, Total as CaCO3	124	mg/L	5.0	5.0	1		02/24/23 10:53		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.94J	mg/L	1.0	0.60	1		02/23/23 21:46	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		02/23/23 21:46	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/23/23 21:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-8Z **Lab ID: 92652951010** Collected: 02/20/23 14:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:17		
Collected By	Kevin Stephens						03/08/23 15:17		
Collected Date	02/20/23						03/08/23 15:17		
Collected Time	14:46						03/08/23 15:17		
pH	6.87	Std. Units					03/08/23 15:17		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:25	7440-66-6	
Calcium	18.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:25	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:25	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:25	7439-96-5	
Potassium	1.7	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:25	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:25	7440-23-5	
Magnesium	7.1	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:25	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:49	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:49	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	86.0	mg/L	25.0	25.0	1		02/23/23 13:41		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-8Z **Lab ID: 92652951010** Collected: 02/20/23 14:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	75.3	mg/L	5.0	5.0	1		02/24/23 11:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 11:02		
Alkalinity, Total as CaCO3	75.3	mg/L	5.0	5.0	1		02/24/23 11:02		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/23/23 22:30	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		02/23/23 22:30	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/23/23 22:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-3A **Lab ID: 92652951011** Collected: 02/17/23 10:56 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:18		
Collected By	Kevin Stephens						03/08/23 15:18		
Collected Date	02/17/23						03/08/23 15:18		
Collected Time	10:56						03/08/23 15:18		
pH	7.71	Std. Units					03/08/23 15:18		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:30	7440-66-6	
Calcium	22.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:30	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:30	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:30	7439-96-5	
Potassium	1.3	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:30	7440-09-7	
Sodium	4.2	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:30	7440-23-5	
Magnesium	11.4	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 18:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 18:55	7440-38-2	
Barium	0.0065	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 18:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 18:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 18:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 18:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 18:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 18:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 18:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 18:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 18:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 18:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 18:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 18:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 18:55	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00013J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:55	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	117	mg/L	25.0	25.0	1		02/23/23 13:39		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-3A **Lab ID: 92652951011** Collected: 02/17/23 10:56 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	5.0	1		02/24/23 14:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 14:14		
Alkalinity, Total as CaCO3	100	mg/L	5.0	5.0	1		02/24/23 14:14		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.3	mg/L	1.0	0.60	1		02/23/23 22:45	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		02/23/23 22:45	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/23/23 22:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-4RZ **Lab ID: 92652951012** Collected: 02/17/23 09:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:19		
Collected By	Kevin Stephens						03/08/23 15:19		
Collected Date	02/17/23						03/08/23 15:19		
Collected Time	09:46						03/08/23 15:19		
pH	6.98	Std. Units					03/08/23 15:19		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:35	7440-66-6	
Calcium	59.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:35	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:35	7439-89-6	
Manganese	0.011J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:35	7439-96-5	
Potassium	0.78	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:35	7440-09-7	
Sodium	3.3	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:35	7440-23-5	
Magnesium	24.9	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:01	7440-38-2	
Barium	0.043	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:01	7440-47-3	
Cobalt	0.017	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:01	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 09:57	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	252	mg/L	25.0	25.0	1		02/23/23 13:39		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWA-4RZ **Lab ID: 92652951012** Collected: 02/17/23 09:46 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	241	mg/L	5.0	5.0	1		02/24/23 16:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 16:04		
Alkalinity, Total as CaCO3	241	mg/L	5.0	5.0	1		02/24/23 16:04		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.0	mg/L	1.0	0.60	1		02/23/23 23:29	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		02/23/23 23:29	16984-48-8	
Sulfate	21.2	mg/L	1.0	0.50	1		02/23/23 23:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-6 **Lab ID: 92652951013** Collected: 02/17/23 12:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:20		
Collected By	Kevin Stephens				1		03/08/23 15:20		
Collected Date	02/17/23				1		03/08/23 15:20		
Collected Time	12:00				1		03/08/23 15:20		
pH	7.11	Std. Units			1		03/08/23 15:20		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:40	7440-66-6	
Calcium	15.2	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:40	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:40	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:40	7439-96-5	
Potassium	1.1	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:40	7440-09-7	
Sodium	0.92J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:40	7440-23-5	
Magnesium	7.4	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:40	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:07	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:07	7440-43-9	
Chromium	0.0031J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:07	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:07	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:00	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	75.0	mg/L	25.0	25.0	1		02/23/23 13:39		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-GWC-6** Lab ID: **92652951013** Collected: 02/17/23 12:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	69.3	mg/L	5.0	5.0	1		02/24/23 14:30		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 14:30		
Alkalinity, Total as CaCO3	69.3	mg/L	5.0	5.0	1		02/24/23 14:30		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/23/23 23:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/23/23 23:44	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		02/23/23 23:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-6RZ **Lab ID: 92652951014** Collected: 02/17/23 13:28 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:21		
Collected By	Kevin Stephens						03/08/23 15:21		
Collected Date	02/17/23						03/08/23 15:21		
Collected Time	13:28						03/08/23 15:21		
pH	6.41	Std. Units					03/08/23 15:21		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:44	7440-66-6	
Calcium	9.7	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:44	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:44	7439-89-6	
Manganese	0.0047J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:44	7439-96-5	
Potassium	0.96	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:44	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:44	7440-23-5	
Magnesium	5.0	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:13	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:13	7440-39-3	
Beryllium	0.000054J	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:13	7440-43-9	
Chromium	0.0022J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:13	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:03	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	50.0	mg/L	25.0	25.0	1		02/23/23 13:39		D6
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-GWC-6RZ** Lab ID: **92652951014** Collected: 02/17/23 13:28 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	44.1	mg/L	5.0	5.0	1		02/24/23 14:37		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 14:37		
Alkalinity, Total as CaCO3	44.1	mg/L	5.0	5.0	1		02/24/23 14:37		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.5	mg/L	1.0	0.60	1		02/23/23 23:59	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/23/23 23:59	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/23/23 23:59	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-10 **Lab ID: 92652951015** Collected: 02/20/23 12:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:22		
Collected By	Kevin Stephens						03/08/23 15:22		
Collected Date	02/20/23						03/08/23 15:22		
Collected Time	12:45						03/08/23 15:22		
pH	5.39	Std. Units					03/08/23 15:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 17:49	7440-66-6	
Calcium	9.0	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 17:49	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 17:49	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 17:49	7439-96-5	
Potassium	0.48J	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 17:49	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 17:49	7440-23-5	
Magnesium	5.3	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 17:49	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:19	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:19	7440-39-3	
Beryllium	0.00030J	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:19	7440-47-3	
Cobalt	0.0026J	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:19	7439-92-1	
Nickel	0.0019J	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00028	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:05	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	47.0	mg/L	25.0	25.0	1		02/23/23 13:42		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-GWC-10** Lab ID: **92652951015** Collected: 02/20/23 12:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	47.1	mg/L	5.0	5.0	1		02/24/23 11:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 11:10		
Alkalinity, Total as CaCO3	47.1	mg/L	5.0	5.0	1		02/24/23 11:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/24/23 00:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:14	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/24/23 00:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-10R **Lab ID: 92652951016** Collected: 02/20/23 10:40 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:25		
Collected By	Kevin Stephens				1		03/08/23 15:25		
Collected Date	02/20/23				1		03/08/23 15:25		
Collected Time	13:45				1		03/08/23 15:25		
pH	7.08	Std. Units			1		03/08/23 15:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:04	7440-66-6	
Calcium	46.2	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:04	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:04	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:04	7439-96-5	
Potassium	0.77	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:04	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:04	7440-23-5	
Magnesium	8.8	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:04	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:37	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00030	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:13	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	154	mg/L	25.0	25.0	1		02/23/23 13:42		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-10R **Lab ID: 92652951016** Collected: 02/20/23 10:40 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	5.0	1		02/24/23 11:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 11:18		
Alkalinity, Total as CaCO3	152	mg/L	5.0	5.0	1		02/24/23 11:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/24/23 00:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:29	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/24/23 00:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-11 **Lab ID: 92652951017** Collected: 02/20/23 13:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:26		
Collected By	Kevin Stephens				1		03/08/23 15:26		
Collected Date	02/20/23				1		03/08/23 15:26		
Collected Time	13:45				1		03/08/23 15:26		
pH	5.52	Std. Units			1		03/08/23 15:26		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:08	7440-66-6	
Calcium	7.4	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:08	7440-70-2	
Iron	0.029J	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:08	7439-89-6	
Manganese	0.020J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:08	7439-96-5	
Potassium	0.64	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:08	7440-09-7	
Sodium	3.9	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:08	7440-23-5	
Magnesium	3.8	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:08	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:43	7440-38-2	
Barium	0.0071	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:43	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00019J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:16	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	98.0	mg/L	25.0	25.0	1		02/23/23 13:42		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-11 **Lab ID: 92652951017** Collected: 02/20/23 13:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO ₃)	38.3	mg/L	5.0	5.0	1		02/24/23 11:38		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		02/24/23 11:38		
Alkalinity, Total as CaCO ₃	38.3	mg/L	5.0	5.0	1		02/24/23 11:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/24/23 00:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:43	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/24/23 00:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-11R **Lab ID: 92652951018** Collected: 02/20/23 15:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:28		
Collected By	Kevin Stephens				1		03/08/23 15:28		
Collected Date	02/20/23				1		03/08/23 15:28		
Collected Time	15:00				1		03/08/23 15:28		
pH	7.20	Std. Units			1		03/08/23 15:28		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:13	7440-66-6	
Calcium	32.5	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:13	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:13	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:13	7439-96-5	
Potassium	1.1	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:13	7440-09-7	
Sodium	0.91J	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:13	7440-23-5	
Magnesium	17.3	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:13	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:49	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:49	7440-43-9	
Chromium	0.0037J	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:49	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00016J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:18	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	149	mg/L	25.0	25.0	1		02/23/23 13:42		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-11R **Lab ID: 92652951018** Collected: 02/20/23 15:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	5.0	1		02/24/23 11:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 11:45		
Alkalinity, Total as CaCO3	148	mg/L	5.0	5.0	1		02/24/23 11:45		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/24/23 00:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 00:58	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/24/23 00:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-11 **Lab ID:** 92652951019 Collected: 02/20/23 00:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:18	7440-66-6	
Calcium	7.3	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:18	7440-70-2	
Iron	0.026J	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:18	7439-89-6	
Manganese	0.026J	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:18	7439-96-5	
Potassium	0.51	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:18	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:18	7440-23-5	
Magnesium	3.8	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:18	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 19:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 19:55	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 19:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 19:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 19:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 19:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 19:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 19:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 19:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 19:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 19:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 19:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 19:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 19:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 19:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00018J	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	50.0	mg/L	25.0	25.0	1		02/23/23 13:44		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	37.9	mg/L	5.0	5.0	1		02/24/23 11:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 11:55		
Alkalinity, Total as CaCO3	37.9	mg/L	5.0	5.0	1		02/24/23 11:55		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/24/23 01:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 01:43	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-11 Lab ID: 92652951019 Collected: 02/20/23 00:00 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.7	mg/L	1.0	0.50	1		02/24/23 01:43	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-18 **Lab ID: 92652951020** Collected: 02/20/23 15:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/01/23 17:22	03/02/23 18:23	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/01/23 17:22	03/02/23 18:23	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/01/23 17:22	03/02/23 18:23	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/01/23 17:22	03/02/23 18:23	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/01/23 17:22	03/02/23 18:23	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/01/23 17:22	03/02/23 18:23	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/01/23 17:22	03/02/23 18:23	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/01/23 17:33	03/03/23 20:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/01/23 17:33	03/03/23 20:01	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/01/23 17:33	03/03/23 20:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/01/23 17:33	03/03/23 20:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/01/23 17:33	03/03/23 20:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/01/23 17:33	03/03/23 20:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/01/23 17:33	03/03/23 20:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/01/23 17:33	03/03/23 20:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/01/23 17:33	03/03/23 20:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/01/23 17:33	03/03/23 20:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/01/23 17:33	03/03/23 20:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/01/23 17:33	03/03/23 20:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/01/23 17:33	03/03/23 20:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/01/23 17:33	03/03/23 20:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/01/23 17:33	03/03/23 20:01	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00030	mg/L	0.00020	0.00013	1	03/06/23 15:30	03/07/23 10:24	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/24/23 14:20		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity, Bicarbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 15:51		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	5.0	1		03/01/23 15:51		
Alkalinity, Total as CaCO ₃	ND	mg/L	5.0	5.0	1		03/01/23 15:51		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/24/23 02:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 02:57	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-18 Lab ID: 92652951020 Collected: 02/20/23 15:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/24/23 02:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-17 **Lab ID: 92652951021** Collected: 02/17/23 11:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 13:42	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 13:42	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 13:42	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 13:42	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 13:42	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 13:42	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 13:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 18:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 18:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 18:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 18:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 18:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 18:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 18:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 18:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 18:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 18:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 18:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 18:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 18:31	7440-22-4	
Thallium	0.00022J	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 18:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 18:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:11	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	69.0	mg/L	25.0	25.0	1		02/23/23 13:40		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 14:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		02/24/23 14:44		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		02/24/23 14:44		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/24/23 03:11	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/24/23 03:11	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-17 Lab ID: 92652951021 Collected: 02/17/23 11:45 Received: 02/21/23 16:51 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/24/23 03:11	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-8RR **Lab ID: 92652951022** Collected: 02/21/23 09:50 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:32		
Collected By	Kevin Stephens						03/08/23 15:32		
Collected Date	02/21/23						03/08/23 15:32		
Collected Time	09:50						03/08/23 15:32		
pH	7.88	Std. Units					03/08/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:02	7440-66-6	
Calcium	18.0	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:02	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:02	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:02	7439-96-5	
Potassium	1.4	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:02	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:02	7440-23-5	
Magnesium	8.0	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:02	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 18:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 18:37	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 18:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 18:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 18:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 18:37	7440-43-9	
Chromium	0.0053	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 18:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 18:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 18:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 18:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 18:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 18:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:13	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	77.0	mg/L	25.0	25.0	1		02/27/23 12:57		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-8RR **Lab ID: 92652951022** Collected: 02/21/23 09:50 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	79.7	mg/L	5.0	5.0	1		03/01/23 17:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 17:00		
Alkalinity, Total as CaCO3	79.7	mg/L	5.0	5.0	1		03/01/23 17:00		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.97J	mg/L	1.0	0.60	1		02/25/23 16:05	16887-00-6	
Fluoride	0.057J	mg/L	0.10	0.050	1		02/25/23 16:05	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/25/23 16:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-9 **Lab ID: 92652951023** Collected: 02/21/23 10:55 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:32		
Collected By	Kevin Stephens				1		03/08/23 15:32		
Collected Date	02/21/23				1		03/08/23 15:32		
Collected Time	10:55				1		03/08/23 15:32		
pH	4.59	Std. Units			1		03/08/23 15:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:06	7440-66-6	
Calcium	2.3	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:06	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:06	7439-89-6	
Manganese	0.025J	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:06	7439-96-5	
Potassium	0.93	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:06	7440-09-7	
Sodium	0.99J	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:06	7440-23-5	
Magnesium	1.1	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:06	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 18:43	7440-36-0	
Arsenic	0.0028J	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 18:43	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 18:43	7440-39-3	
Beryllium	0.00017J	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 18:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 18:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 18:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 18:43	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 18:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 18:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 18:43	7439-92-1	
Nickel	0.0010J	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 18:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 18:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 18:43	7440-28-0	
Vanadium	0.0030J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 18:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:16	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/27/23 12:59		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-9 **Lab ID: 92652951023** Collected: 02/21/23 10:55 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 17:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 17:07		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		03/01/23 17:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		02/25/23 16:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 16:19	16984-48-8	
Sulfate	3.0	mg/L	1.0	0.50	1		02/25/23 16:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-12 **Lab ID: 92652951024** Collected: 02/21/23 15:01 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:33		
Collected By	Kevin Stephens				1		03/08/23 15:33		
Collected Date	02/21/23				1		03/08/23 15:33		
Collected Time	15:01				1		03/08/23 15:33		
pH	6.18	Std. Units			1		03/08/23 15:33		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:11	7440-66-6	
Calcium	7.9	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:11	7440-70-2	
Iron	9.3	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:11	7439-89-6	
Manganese	0.19	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:11	7439-96-5	
Potassium	1.0	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:11	7440-09-7	
Sodium	2.9	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:11	7440-23-5	
Magnesium	4.1	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:11	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0017J	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:07	7440-36-0	
Arsenic	0.0094	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:07	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:07	7440-42-8	
Cadmium	0.00040J	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:07	7440-47-3	
Cobalt	0.0029J	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:07	7439-92-1	
Nickel	0.0022J	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:07	7440-28-0	
Vanadium	0.0034J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:19	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	42.0	mg/L	25.0	25.0	1		02/27/23 13:08		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-12 **Lab ID: 92652951024** Collected: 02/21/23 15:01 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	47.5	mg/L	5.0	5.0	1		03/01/23 17:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 17:12		
Alkalinity, Total as CaCO3	47.5	mg/L	5.0	5.0	1		03/01/23 17:12		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.99J	mg/L	1.0	0.60	1		02/25/23 16:34	16887-00-6	
Fluoride	0.054J	mg/L	0.10	0.050	1		02/25/23 16:34	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/25/23 16:34	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-19 Lab ID: 92652951025 Collected: 02/21/23 15:40 Received: 02/23/23 09:34 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:16	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:16	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:16	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:16	7439-96-5	
Potassium	ND	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:16	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:16	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:16	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:13	7440-36-0	
Arsenic	0.0024J	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:13	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:13	7440-28-0	
Vanadium	0.0032J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/27/23 13:08		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 19:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 19:10		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		03/01/23 19:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/25/23 17:17	16887-00-6	
Fluoride	0.052J	mg/L	0.10	0.050	1		02/25/23 17:17	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-19 Lab ID: 92652951025 Collected: 02/21/23 15:40 Received: 02/23/23 09:34 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/25/23 17:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13 **Lab ID: 92652951026** Collected: 02/22/23 11:30 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:34		
Collected By	Kevin Stephens				1		03/08/23 15:34		
Collected Date	02/22/2023				1		03/08/23 15:34		
Collected Time	11:30				1		03/08/23 15:34		
pH	6.96	Std. Units			1		03/08/23 15:34		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:30	7440-66-6	
Calcium	26.3	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:30	7440-70-2	
Iron	0.12	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:30	7439-89-6	
Manganese	0.040	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:30	7439-96-5	
Potassium	1.7	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:30	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:30	7440-23-5	
Magnesium	10.0	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:30	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:31	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:31	7440-43-9	
Chromium	0.0038J	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:31	7440-28-0	
Vanadium	0.0019J	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:24	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	1020	mg/L	25.0	25.0	1		02/27/23 13:08		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-GWC-13** Lab ID: **92652951026** Collected: 02/22/23 11:30 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	5.0	1		03/01/23 20:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 20:25		
Alkalinity, Total as CaCO3	103	mg/L	5.0	5.0	1		03/01/23 20:25		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		02/25/23 17:31	16887-00-6	
Fluoride	0.060J	mg/L	0.10	0.050	1		02/25/23 17:31	16984-48-8	
Sulfate	8.7	mg/L	1.0	0.50	1		02/25/23 17:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13RZ **Lab ID: 92652951027** Collected: 02/22/23 10:05 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:35		
Collected By	Kevin Stephens				1		03/08/23 15:35		
Collected Date	02/22/23				1		03/08/23 15:35		
Collected Time	10:05				1		03/08/23 15:35		
pH	7.15	Std. Units			1		03/08/23 15:35		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:35	7440-66-6	
Calcium	40.1	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:35	7440-70-2	
Iron	0.12	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:35	7439-89-6	
Manganese	0.0082J	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:35	7439-96-5	
Potassium	1.2	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:35	7440-09-7	
Sodium	21.3	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:35	7440-23-5	
Magnesium	17.5	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:37	7440-36-0	
Arsenic	0.0031J	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:37	7440-38-2	
Barium	0.099	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:37	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:37	7440-43-9	
Chromium	0.0024J	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:37	7440-48-4	
Copper	0.0014J	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:27	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	254	mg/L	25.0	25.0	1		02/27/23 13:09		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-13RZ **Lab ID: 92652951027** Collected: 02/22/23 10:05 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	5.0	1		03/01/23 20:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 20:34		
Alkalinity, Total as CaCO3	161	mg/L	5.0	5.0	1		03/01/23 20:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		02/25/23 17:46	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		02/25/23 17:46	16984-48-8	
Sulfate	59.7	mg/L	1.0	0.50	1		02/25/23 17:46	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-14Z **Lab ID: 92652951028** Collected: 02/22/23 13:12 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:35		
Collected By	Kevin Stephens						03/08/23 15:35		
Collected Date	02/22/23						03/08/23 15:35		
Collected Time	13:12						03/08/23 15:35		
pH	5.97	Std. Units					03/08/23 15:35		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:40	7440-66-6	
Calcium	14.3	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:40	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:40	7439-89-6	
Manganese	0.038J	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:40	7439-96-5	
Potassium	1.1	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:40	7440-09-7	
Sodium	3.2	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:40	7440-23-5	
Magnesium	5.6	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:40	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:43	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:43	7440-39-3	
Beryllium	0.000094J	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:43	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:29	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	65.0	mg/L	25.0	25.0	1		02/27/23 13:09		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-14Z **Lab ID: 92652951028** Collected: 02/22/23 13:12 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	46.2	mg/L	5.0	5.0	1		03/01/23 20:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 20:45		
Alkalinity, Total as CaCO3	46.2	mg/L	5.0	5.0	1		03/01/23 20:45		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.0	mg/L	1.0	0.60	1		02/25/23 18:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 18:29	16984-48-8	
Sulfate	10.7	mg/L	1.0	0.50	1		02/25/23 18:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15R **Lab ID: 92652951029** Collected: 02/22/23 13:35 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client						03/08/23 15:36		
Collected By	Kevin						03/08/23 15:36		
	Stephens								
	on								
Collected Date	02/22/23						03/08/23 15:36		
Collected Time	13:35						03/08/23 15:36		
pH	7.32	Std. Units					03/08/23 15:36		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:45	7440-66-6	
Calcium	38.1	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:45	7440-70-2	
Iron	0.080	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:45	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:45	7439-96-5	
Potassium	0.98	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:45	7440-09-7	
Sodium	1.0J	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:45	7440-23-5	
Magnesium	19.3	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:45	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:49	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:49	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:49	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:37	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	174	mg/L	25.0	25.0	1		02/27/23 13:10		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15R **Lab ID: 92652951029** Collected: 02/22/23 13:35 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	5.0	1		03/01/23 20:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 20:52		
Alkalinity, Total as CaCO3	171	mg/L	5.0	5.0	1		03/01/23 20:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/25/23 18:44	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		02/25/23 18:44	16984-48-8	
Sulfate	7.5	mg/L	1.0	0.50	1		02/25/23 18:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15Z **Lab ID: 92652951030** Collected: 02/22/23 10:45 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Client				1		03/08/23 15:37		
Collected By	Kevin Stephens				1		03/08/23 15:37		
Collected Date	02/22/23				1		03/08/23 15:37		
Collected Time	10:45				1		03/08/23 15:37		
pH	7.49	Std. Units			1		03/08/23 15:37		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:50	7440-66-6	
Calcium	24.4	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:50	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:50	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:50	7439-96-5	
Potassium	0.89	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:50	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:50	7440-23-5	
Magnesium	13.3	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:50	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 19:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 19:55	7440-38-2	
Barium	0.010	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 19:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 19:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 19:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 19:55	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 19:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 19:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 19:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 19:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 19:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 19:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 19:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 19:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 19:55	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:40	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	111	mg/L	25.0	25.0	1		02/27/23 13:11		
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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-GWC-15Z Lab ID: 92652951030 Collected: 02/22/23 10:45 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	5.0	1		03/01/23 21:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 21:03		
Alkalinity, Total as CaCO3	124	mg/L	5.0	5.0	1		03/01/23 21:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.83J	mg/L	1.0	0.60	1		02/25/23 18:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 18:58	16984-48-8	
Sulfate	0.81J	mg/L	1.0	0.50	1		02/25/23 18:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-20 **Lab ID: 92652951031** Collected: 02/22/23 14:00 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:59	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:59	7440-70-2	
Iron	ND	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:59	7439-96-5	
Potassium	0.37J	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:59	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:59	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:59	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 20:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 20:06	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 20:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 20:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 20:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 20:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 20:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 20:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 20:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 20:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 20:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 20:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 20:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 20:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 20:06	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:45	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		02/27/23 13:12		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 21:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 21:13		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		03/01/23 21:13		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		02/25/23 19:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 19:12	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FB-20 Lab ID: 92652951031 Collected: 02/22/23 14:00 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		02/25/23 19:12	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: BOW-LF1-2-FD-12 **Lab ID:** 92652951032 Collected: 02/22/23 00:00 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	03/03/23 10:52	03/04/23 14:55	7440-66-6	
Calcium	24.7	mg/L	1.0	0.12	1	03/03/23 10:52	03/04/23 14:55	7440-70-2	
Iron	0.027J	mg/L	0.040	0.025	1	03/03/23 10:52	03/04/23 14:55	7439-89-6	
Manganese	ND	mg/L	0.040	0.0043	1	03/03/23 10:52	03/04/23 14:55	7439-96-5	
Potassium	0.99	mg/L	0.50	0.15	1	03/03/23 10:52	03/04/23 14:55	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	03/03/23 10:52	03/04/23 14:55	7440-23-5	
Magnesium	13.5	mg/L	0.050	0.012	1	03/03/23 10:52	03/04/23 14:55	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	03/06/23 17:00	03/09/23 20:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	03/06/23 17:00	03/09/23 20:00	7440-38-2	
Barium	0.010	mg/L	0.0050	0.00067	1	03/06/23 17:00	03/09/23 20:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	03/06/23 17:00	03/09/23 20:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	03/06/23 17:00	03/09/23 20:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	03/06/23 17:00	03/09/23 20:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	03/06/23 17:00	03/09/23 20:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	03/06/23 17:00	03/09/23 20:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	03/06/23 17:00	03/09/23 20:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	03/06/23 17:00	03/09/23 20:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	03/06/23 17:00	03/09/23 20:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	03/06/23 17:00	03/09/23 20:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	03/06/23 17:00	03/09/23 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	03/06/23 17:00	03/09/23 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	03/06/23 17:00	03/09/23 20:00	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	03/09/23 08:00	03/09/23 12:42	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	112	mg/L	25.0	25.0	1		02/27/23 13:13		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	5.0	1		03/01/23 21:17		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		03/01/23 21:17		
Alkalinity, Total as CaCO3	124	mg/L	5.0	5.0	1		03/01/23 21:17		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.82J	mg/L	1.0	0.60	1		02/25/23 19:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/23 19:27	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Sample: **BOW-LF1-2-FD-12** Lab ID: **92652951032** Collected: 02/22/23 00:00 Received: 02/23/23 09:34 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.80J	mg/L	1.0	0.50	1		02/25/23 19:27	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 758864 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

METHOD BLANK: 3941769 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/02/23 16:01	
Iron	mg/L	ND	0.040	0.025	03/02/23 16:01	
Magnesium	mg/L	ND	0.050	0.012	03/02/23 16:01	
Manganese	mg/L	ND	0.040	0.0043	03/02/23 16:01	
Potassium	mg/L	ND	0.50	0.15	03/02/23 16:01	
Sodium	mg/L	ND	1.0	0.58	03/02/23 16:01	
Zinc	mg/L	ND	0.020	0.0085	03/02/23 16:01	

LABORATORY CONTROL SAMPLE: 3941770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	103	80-120	
Magnesium	mg/L	1	1.0	102	80-120	
Manganese	mg/L	1	1.0	101	80-120	
Potassium	mg/L	1	1.0	101	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941771 3941772

Parameter	Units	92652951003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	51.6	1	1	52.8	52.5	111	89	75-125	0	20	
Iron	mg/L	0.48	1	1	1.5	1.5	100	105	75-125	3	20	
Magnesium	mg/L	10.9	1	1	12.0	12.1	103	114	75-125	1	20	
Manganese	mg/L	0.11	1	1	1.1	1.1	101	104	75-125	3	20	
Potassium	mg/L	0.61	1	1	1.6	1.6	101	98	75-125	2	20	
Sodium	mg/L	2.7	1	1	3.7	3.7	99	99	75-125	0	20	
Zinc	mg/L	ND	1	1	1.0	1.0	100	103	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	759296	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032		

METHOD BLANK:	3944037	Matrix:	Water
Associated Lab Samples:	92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/04/23 13:32	
Iron	mg/L	ND	0.040	0.025	03/04/23 13:32	
Magnesium	mg/L	ND	0.050	0.012	03/04/23 13:32	
Manganese	mg/L	ND	0.040	0.0043	03/04/23 13:32	
Potassium	mg/L	ND	0.50	0.15	03/04/23 13:32	
Sodium	mg/L	ND	1.0	0.58	03/04/23 13:32	
Zinc	mg/L	ND	0.020	0.0085	03/04/23 13:32	

LABORATORY CONTROL SAMPLE: 3944038

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	101	80-120	
Iron	mg/L	1	1.0	100	80-120	
Magnesium	mg/L	1	1.0	102	80-120	
Manganese	mg/L	1	1.0	100	80-120	
Potassium	mg/L	1	1.1	109	80-120	
Sodium	mg/L	1	0.99J	99	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3944039 3944040

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652951021 Result	Spike Conc.	Spike Conc.	Conc.								
Calcium	mg/L	ND	1	1	0.96J	0.98J	96	98	75-125		20		
Iron	mg/L	ND	1	1	0.96	0.99	96	99	75-125	4	20		
Magnesium	mg/L	ND	1	1	0.97	1.0	97	101	75-125	4	20		
Manganese	mg/L	ND	1	1	0.96	0.99	96	99	75-125	4	20		
Potassium	mg/L	ND	1	1	0.93	1.0	93	103	75-125	11	20		
Sodium	mg/L	ND	1	1	0.94J	0.99J	94	99	75-125		20		
Zinc	mg/L	ND	1	1	0.96	1.0	96	99	75-125	4	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 758866 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

METHOD BLANK: 3941793 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/03/23 17:14	
Arsenic	mg/L	ND	0.0050	0.0022	03/03/23 17:14	
Barium	mg/L	ND	0.0050	0.00067	03/03/23 17:14	
Beryllium	mg/L	ND	0.00050	0.000054	03/03/23 17:14	
Boron	mg/L	ND	0.040	0.0086	03/03/23 17:14	
Cadmium	mg/L	ND	0.00050	0.00011	03/03/23 17:14	
Chromium	mg/L	ND	0.0050	0.0011	03/03/23 17:14	
Cobalt	mg/L	ND	0.0050	0.00039	03/03/23 17:14	
Copper	mg/L	ND	0.0050	0.0010	03/03/23 17:14	
Lead	mg/L	ND	0.0010	0.00089	03/03/23 17:14	
Nickel	mg/L	ND	0.0050	0.00071	03/03/23 17:14	
Selenium	mg/L	ND	0.0050	0.0014	03/03/23 17:14	
Silver	mg/L	ND	0.0050	0.00044	03/03/23 17:14	
Thallium	mg/L	ND	0.0010	0.00018	03/03/23 17:14	
Vanadium	mg/L	ND	0.010	0.0019	03/03/23 17:14	

LABORATORY CONTROL SAMPLE: 3941794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.98	98	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	105	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	101	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941795												3941796	
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92652951002 Result	Spike Conc.	Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	108	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20		
Barium	mg/L	0.029	0.1	0.1	0.13	0.13	101	98	75-125	2	20		
Beryllium	mg/L	ND	0.1	0.1	0.095	0.092	95	92	75-125	3	20		
Boron	mg/L	ND	1	1	0.96	0.92	95	92	75-125	4	20		
Cadmium	mg/L	ND	0.1	0.1	0.096	0.093	96	93	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.098	0.097	97	96	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.094	0.093	93	92	75-125	1	20		
Selenium	mg/L	0.0014J	0.1	0.1	0.10	0.10	102	98	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.096	0.093	96	93	75-125	3	20		
Vanadium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 759754 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3946283 Matrix: Water
 Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	03/09/23 18:19	
Arsenic	mg/L	ND	0.0050	0.0022	03/09/23 18:19	
Barium	mg/L	ND	0.0050	0.00067	03/09/23 18:19	
Beryllium	mg/L	ND	0.00050	0.000054	03/09/23 18:19	
Boron	mg/L	ND	0.040	0.0086	03/09/23 18:19	
Cadmium	mg/L	ND	0.00050	0.00011	03/09/23 18:19	
Chromium	mg/L	ND	0.0050	0.0011	03/09/23 18:19	
Cobalt	mg/L	ND	0.0050	0.00039	03/09/23 18:19	
Copper	mg/L	ND	0.0050	0.0010	03/09/23 18:19	
Lead	mg/L	ND	0.0010	0.00089	03/09/23 18:19	
Nickel	mg/L	ND	0.0050	0.00071	03/09/23 18:19	
Selenium	mg/L	ND	0.0050	0.0014	03/09/23 18:19	
Silver	mg/L	ND	0.0050	0.00044	03/09/23 18:19	
Thallium	mg/L	ND	0.0010	0.00018	03/09/23 18:19	
Vanadium	mg/L	ND	0.010	0.0019	03/09/23 18:19	

LABORATORY CONTROL SAMPLE: 3946284

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	108	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	105	80-120	
Boron	mg/L	1	1.1	107	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Parameter	Units	3946285		3946286		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92652951023 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	1	20	
Arsenic	mg/L	0.0028J	0.1	0.1	0.10	0.10	98	98	75-125	0	20	
Barium	mg/L	0.042	0.1	0.1	0.14	0.14	101	101	75-125	0	20	
Beryllium	mg/L	0.00017J	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Boron	mg/L	ND	1	1	1.1	1.0	107	104	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	98	102	75-125	4	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Cobalt	mg/L	0.00043J	0.1	0.1	0.10	0.10	102	99	75-125	3	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.10	103	99	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Nickel	mg/L	0.0010J	0.1	0.1	0.10	0.10	104	99	75-125	5	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Vanadium	mg/L	0.0030J	0.1	0.1	0.11	0.10	103	100	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 759710 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

METHOD BLANK: 3946113 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/07/23 09:10	

LABORATORY CONTROL SAMPLE: 3946114

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3946115 3946116

Parameter	Units	92652951001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	0.00017J	0.0025	0.0025	0.0024	0.0024	89	88	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 759740 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3946265 Matrix: Water
 Associated Lab Samples: 92652951021, 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/09/23 12:05	

LABORATORY CONTROL SAMPLE: 3946266

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3946267 3946268

Parameter	Units	92653933002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	95	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 757741 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951021

METHOD BLANK: 3936267 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007, 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019, 92652951021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/23/23 13:35	

LABORATORY CONTROL SAMPLE: 3936268

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	371	93	80-120	

SAMPLE DUPLICATE: 3936269

Parameter	Units	92652951001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	152	211	33	10	D6

SAMPLE DUPLICATE: 3936270

Parameter	Units	92652951014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	50.0	40.0	22	10	D6

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 757968	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92652951020

METHOD BLANK: 3937428 Matrix: Water
 Associated Lab Samples: 92652951020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/24/23 14:19	

LABORATORY CONTROL SAMPLE: 3937429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	80-120	

SAMPLE DUPLICATE: 3937430

Parameter	Units	92652951020 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3937431

Parameter	Units	92653467001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	35.0		10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 758266 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3938734 Matrix: Water
 Associated Lab Samples: 92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	02/27/23 12:57	

LABORATORY CONTROL SAMPLE: 3938735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	356	89	80-120	

SAMPLE DUPLICATE: 3938736

Parameter	Units	92652951022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	77.0	74.0	4	10	

SAMPLE DUPLICATE: 3938737

Parameter	Units	92652951032 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	112	122	9	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 757477 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007

METHOD BLANK: 3934881 Matrix: Water
 Associated Lab Samples: 92652951001, 92652951002, 92652951003, 92652951004, 92652951005, 92652951006, 92652951007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/23/23 17:32	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 17:32	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/23/23 17:32	

LABORATORY CONTROL SAMPLE: 3934882

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

LABORATORY CONTROL SAMPLE: 3934883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.5	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934884 3934885

Parameter	Units	92652951006		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Alkalinity, Total as CaCO3	mg/L	ND	50	50	53.0	52.6	102	101	80-120	1	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3934886 3934887

Parameter	Units	92652951007		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Alkalinity, Total as CaCO3	mg/L	ND	50	50	49.9	49.7	100	99	80-120	0	25		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 757703 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92652951011, 92652951012, 92652951013, 92652951014, 92652951021

METHOD BLANK: 3935950 Matrix: Water
 Associated Lab Samples: 92652951011, 92652951012, 92652951013, 92652951014, 92652951021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/24/23 12:23	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 12:23	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 12:23	

LABORATORY CONTROL SAMPLE: 3935951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 3935952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935953 3935954

Parameter	Units	92653159004		92653159005		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	71.9	50	50	125	125	106	106	80-120	0	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935955 3935956

Parameter	Units	92653159005		92653159006		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	50.5	50	50	104	104	106	106	80-120	0	25		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 757820 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019

METHOD BLANK: 3936758 Matrix: Water
 Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951015, 92652951016, 92652951017, 92652951018, 92652951019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	02/24/23 10:13	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 10:13	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	02/24/23 10:13	

LABORATORY CONTROL SAMPLE: 3936759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

LABORATORY CONTROL SAMPLE: 3936760

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3936761 3936762

Parameter	Units	92652951019 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	37.9	50	50	88.9	89.8	102	104	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch: 758504 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652951020, 92652951022, 92652951023, 92652951024, 92652951025

METHOD BLANK: 3939839 Matrix: Water
 Associated Lab Samples: 92652951020, 92652951022, 92652951023, 92652951024, 92652951025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	03/01/23 14:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 14:42	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 14:42	

LABORATORY CONTROL SAMPLE: 3939840

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

LABORATORY CONTROL SAMPLE: 3939841

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939842 3939843

Parameter	Units	92653778003		92653778004		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	57.7	50	50	109	109	102	103	80-120	1	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3939844 3939845

Parameter	Units	92653778004		92653778005		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Alkalinity, Total as CaCO3	mg/L	22.5	50	50	70.9	72.4	97	100	80-120	2	25		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 758781 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

METHOD BLANK: 3941256 Matrix: Water
 Associated Lab Samples: 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	03/01/23 20:07	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 20:07	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	03/01/23 20:07	

LABORATORY CONTROL SAMPLE: 3941257

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 3941258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.9	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941259 3941260

Parameter	Units	3941259		3941260		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	39.8	50	50	90.2	92.2	101	105	80-120	2	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3941261 3941262

Parameter	Units	3941261		3941262		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	8.4	50	50	58.4	58.6	100	100	80-120	0	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	757099	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92652951001, 92652951002, 92652951003, 92652951004, 92652951005		

METHOD BLANK:	3933115	Matrix:	Water
Associated Lab Samples:	92652951001, 92652951002, 92652951003, 92652951004, 92652951005		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/21/23 16:01	
Fluoride	mg/L	ND	0.10	0.050	02/21/23 16:01	
Sulfate	mg/L	ND	1.0	0.50	02/21/23 16:01	

LABORATORY CONTROL SAMPLE: 3933116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.1	100	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933117 3933118

Parameter	Units	92652194009		MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result							
Chloride	mg/L	1.6	50	50	50.6	51.2	98	99	90-110	1	10			
Fluoride	mg/L	0.074J	2.5	2.5	2.6	2.7	103	103	90-110	1	10			
Sulfate	mg/L	6.3	50	50	55.5	56.0	98	99	90-110	1	10			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933119 3933120

Parameter	Units	92652194019		MS		MSD		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result							
Chloride	mg/L	2.0	50	50	51.4	52.2	99	100	90-110	2	10			
Fluoride	mg/L	0.064J	2.5	2.5	2.6	2.7	103	105	90-110	1	10			
Sulfate	mg/L	4.3	50	50	53.9	54.6	99	101	90-110	1	10			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	757100	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92652951006, 92652951007

METHOD BLANK: 3933121 Matrix: Water

Associated Lab Samples: 92652951006, 92652951007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/22/23 01:48	
Fluoride	mg/L	ND	0.10	0.050	02/22/23 01:48	
Sulfate	mg/L	ND	1.0	0.50	02/22/23 01:48	

LABORATORY CONTROL SAMPLE: 3933122

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.5	101	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.1	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933123 3933124

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652951006	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	0.74J	50	50	50.7	51.5	100	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	101	90-110	2	10		
Sulfate	mg/L	0.57J	50	50	50.6	51.3	100	102	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3933125 3933126

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652773005	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	3.1	50	50	54.2	54.8	102	104	90-110	1	10		
Fluoride	mg/L	0.14	2.5	2.5	2.9	3.0	111	114	90-110	2	10 M1		
Sulfate	mg/L	663	50	50	706	706	86	86	90-110	0	10 M1		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

QC Batch: 757631 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018

METHOD BLANK: 3935657 Matrix: Water
Associated Lab Samples: 92652951008, 92652951009, 92652951010, 92652951011, 92652951012, 92652951013, 92652951014, 92652951015, 92652951016, 92652951017, 92652951018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/23/23 17:13	
Fluoride	mg/L	ND	0.10	0.050	02/23/23 17:13	
Sulfate	mg/L	ND	1.0	0.50	02/23/23 17:13	

LABORATORY CONTROL SAMPLE: 3935658

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	51.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935659 3935660

Parameter	Units	92653236002		3935660		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	43.1	50	50	91.4	91.5	97	97	90-110	0	10
Fluoride	mg/L	0.92	2.5	2.5	3.3	3.3	97	97	90-110	0	10
Sulfate	mg/L	135	50	50	180	180	92	90	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935661 3935662

Parameter	Units	92652951009		3935662		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	0.94J	50	50	49.4	49.8	97	98	90-110	1	10
Fluoride	mg/L	0.057J	2.5	2.5	2.5	2.5	96	96	90-110	1	10
Sulfate	mg/L	1.7	50	50	50.2	50.6	97	98	90-110	1	10

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

QC Batch: 757634 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92652951019, 92652951020, 92652951021

METHOD BLANK: 3935673 Matrix: Water
 Associated Lab Samples: 92652951019, 92652951020, 92652951021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/24/23 01:13	
Fluoride	mg/L	ND	0.10	0.050	02/24/23 01:13	
Sulfate	mg/L	ND	1.0	0.50	02/24/23 01:13	

LABORATORY CONTROL SAMPLE: 3935674

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.7	103	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	52.1	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3935675 3935676

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92652951019 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	1.2	50	50	50.0	52.5	98	103	90-110	5	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	98	102	90-110	5	10		
Sulfate	mg/L	1.7	50	50	50.4	52.9	97	102	90-110	5	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

QC Batch:	758130	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032		

METHOD BLANK:	3938278	Matrix:	Water
Associated Lab Samples:	92652951022, 92652951023, 92652951024, 92652951025, 92652951026, 92652951027, 92652951028, 92652951029, 92652951030, 92652951031, 92652951032		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/25/23 12:43	
Fluoride	mg/L	ND	0.10	0.050	02/25/23 12:43	
Sulfate	mg/L	ND	1.0	0.50	02/25/23 12:43	

LABORATORY CONTROL SAMPLE: 3938279						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.9	100	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	49.5	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3938280												3938281	
Parameter	Units	92653727001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	9.0	50	50	54.3	58.6	91	99	90-110	8	10		
Fluoride	mg/L	ND	2.5	2.5	2.3	2.5	88	98	90-110	10	10 M1		
Sulfate	mg/L	32.3	50	50	76.8	81.3	89	98	90-110	6	10 M1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3938282												3938283	
Parameter	Units	92652951024 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	0.99J	50	50	49.0	50.0	96	98	90-110	2	10		
Fluoride	mg/L	0.054J	2.5	2.5	2.4	2.5	93	96	90-110	3	10		
Sulfate	mg/L	ND	50	50	47.3	48.5	94	96	90-110	3	10		

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951001	BOW-GWA-1				
92652951002	BOW-GWA-2				
92652951003	BOW-GWA-2R				
92652951004	BOW-GWA-50				
92652951005	BOW-GWA-50R				
92652951008	BOW-GWC-5				
92652951009	BOW-GWC-7Z				
92652951010	BOW-GWC-8Z				
92652951011	BOW-GWA-3A				
92652951012	BOW-GWA-4RZ				
92652951013	BOW-GWC-6				
92652951014	BOW-GWC-6RZ				
92652951015	BOW-GWC-10				
92652951016	BOW-GWC-10R				
92652951017	BOW-GWC-11				
92652951018	BOW-GWC-11R				
92652951022	BOW-GWC-8RR				
92652951023	BOW-GWC-9				
92652951024	BOW-GWC-12				
92652951026	BOW-GWC-13				
92652951027	BOW-GWC-13RZ				
92652951028	BOW-GWC-14Z				
92652951029	BOW-GWC-15R				
92652951030	BOW-GWC-15Z				
92652951001	BOW-GWA-1	EPA 3010A	758864	EPA 6010D	758889
92652951002	BOW-GWA-2	EPA 3010A	758864	EPA 6010D	758889
92652951003	BOW-GWA-2R	EPA 3010A	758864	EPA 6010D	758889
92652951004	BOW-GWA-50	EPA 3010A	758864	EPA 6010D	758889
92652951005	BOW-GWA-50R	EPA 3010A	758864	EPA 6010D	758889
92652951006	BOW-LF1-2-FD-10	EPA 3010A	758864	EPA 6010D	758889
92652951007	BOW-LF1-2-FB-16	EPA 3010A	758864	EPA 6010D	758889
92652951008	BOW-GWC-5	EPA 3010A	758864	EPA 6010D	758889
92652951009	BOW-GWC-7Z	EPA 3010A	758864	EPA 6010D	758889
92652951010	BOW-GWC-8Z	EPA 3010A	758864	EPA 6010D	758889
92652951011	BOW-GWA-3A	EPA 3010A	758864	EPA 6010D	758889
92652951012	BOW-GWA-4RZ	EPA 3010A	758864	EPA 6010D	758889
92652951013	BOW-GWC-6	EPA 3010A	758864	EPA 6010D	758889
92652951014	BOW-GWC-6RZ	EPA 3010A	758864	EPA 6010D	758889
92652951015	BOW-GWC-10	EPA 3010A	758864	EPA 6010D	758889
92652951016	BOW-GWC-10R	EPA 3010A	758864	EPA 6010D	758889
92652951017	BOW-GWC-11	EPA 3010A	758864	EPA 6010D	758889
92652951018	BOW-GWC-11R	EPA 3010A	758864	EPA 6010D	758889
92652951019	BOW-LF1-2-FD-11	EPA 3010A	758864	EPA 6010D	758889
92652951020	BOW-LF1-2-FB-18	EPA 3010A	758864	EPA 6010D	758889
92652951021	BOW-LF1-2-FB-17	EPA 3010A	759296	EPA 6010D	759370
92652951022	BOW-GWC-8RR	EPA 3010A	759296	EPA 6010D	759370
92652951023	BOW-GWC-9	EPA 3010A	759296	EPA 6010D	759370
92652951024	BOW-GWC-12	EPA 3010A	759296	EPA 6010D	759370

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951025	BOW-LF1-2-FB-19	EPA 3010A	759296	EPA 6010D	759370
92652951026	BOW-GWC-13	EPA 3010A	759296	EPA 6010D	759370
92652951027	BOW-GWC-13RZ	EPA 3010A	759296	EPA 6010D	759370
92652951028	BOW-GWC-14Z	EPA 3010A	759296	EPA 6010D	759370
92652951029	BOW-GWC-15R	EPA 3010A	759296	EPA 6010D	759370
92652951030	BOW-GWC-15Z	EPA 3010A	759296	EPA 6010D	759370
92652951031	BOW-LF1-2-FB-20	EPA 3010A	759296	EPA 6010D	759370
92652951032	BOW-LF1-2-FD-12	EPA 3010A	759296	EPA 6010D	759370
92652951001	BOW-GWA-1	EPA 3005A	758866	EPA 6020B	758891
92652951002	BOW-GWA-2	EPA 3005A	758866	EPA 6020B	758891
92652951003	BOW-GWA-2R	EPA 3005A	758866	EPA 6020B	758891
92652951004	BOW-GWA-50	EPA 3005A	758866	EPA 6020B	758891
92652951005	BOW-GWA-50R	EPA 3005A	758866	EPA 6020B	758891
92652951006	BOW-LF1-2-FD-10	EPA 3005A	758866	EPA 6020B	758891
92652951007	BOW-LF1-2-FB-16	EPA 3005A	758866	EPA 6020B	758891
92652951008	BOW-GWC-5	EPA 3005A	758866	EPA 6020B	758891
92652951009	BOW-GWC-7Z	EPA 3005A	758866	EPA 6020B	758891
92652951010	BOW-GWC-8Z	EPA 3005A	758866	EPA 6020B	758891
92652951011	BOW-GWA-3A	EPA 3005A	758866	EPA 6020B	758891
92652951012	BOW-GWA-4RZ	EPA 3005A	758866	EPA 6020B	758891
92652951013	BOW-GWC-6	EPA 3005A	758866	EPA 6020B	758891
92652951014	BOW-GWC-6RZ	EPA 3005A	758866	EPA 6020B	758891
92652951015	BOW-GWC-10	EPA 3005A	758866	EPA 6020B	758891
92652951016	BOW-GWC-10R	EPA 3005A	758866	EPA 6020B	758891
92652951017	BOW-GWC-11	EPA 3005A	758866	EPA 6020B	758891
92652951018	BOW-GWC-11R	EPA 3005A	758866	EPA 6020B	758891
92652951019	BOW-LF1-2-FD-11	EPA 3005A	758866	EPA 6020B	758891
92652951020	BOW-LF1-2-FB-18	EPA 3005A	758866	EPA 6020B	758891
92652951021	BOW-LF1-2-FB-17	EPA 3005A	759754	EPA 6020B	759857
92652951022	BOW-GWC-8RR	EPA 3005A	759754	EPA 6020B	759857
92652951023	BOW-GWC-9	EPA 3005A	759754	EPA 6020B	759857
92652951024	BOW-GWC-12	EPA 3005A	759754	EPA 6020B	759857
92652951025	BOW-LF1-2-FB-19	EPA 3005A	759754	EPA 6020B	759857
92652951026	BOW-GWC-13	EPA 3005A	759754	EPA 6020B	759857
92652951027	BOW-GWC-13RZ	EPA 3005A	759754	EPA 6020B	759857
92652951028	BOW-GWC-14Z	EPA 3005A	759754	EPA 6020B	759857
92652951029	BOW-GWC-15R	EPA 3005A	759754	EPA 6020B	759857
92652951030	BOW-GWC-15Z	EPA 3005A	759754	EPA 6020B	759857
92652951031	BOW-LF1-2-FB-20	EPA 3005A	759754	EPA 6020B	759857
92652951032	BOW-LF1-2-FD-12	EPA 3005A	759754	EPA 6020B	759857
92652951001	BOW-GWA-1	EPA 7470A	759710	EPA 7470A	759802
92652951002	BOW-GWA-2	EPA 7470A	759710	EPA 7470A	759802
92652951003	BOW-GWA-2R	EPA 7470A	759710	EPA 7470A	759802
92652951004	BOW-GWA-50	EPA 7470A	759710	EPA 7470A	759802
92652951005	BOW-GWA-50R	EPA 7470A	759710	EPA 7470A	759802
92652951006	BOW-LF1-2-FD-10	EPA 7470A	759710	EPA 7470A	759802
92652951007	BOW-LF1-2-FB-16	EPA 7470A	759710	EPA 7470A	759802

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2

Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951008	BOW-GWC-5	EPA 7470A	759710	EPA 7470A	759802
92652951009	BOW-GWC-7Z	EPA 7470A	759710	EPA 7470A	759802
92652951010	BOW-GWC-8Z	EPA 7470A	759710	EPA 7470A	759802
92652951011	BOW-GWA-3A	EPA 7470A	759710	EPA 7470A	759802
92652951012	BOW-GWA-4RZ	EPA 7470A	759710	EPA 7470A	759802
92652951013	BOW-GWC-6	EPA 7470A	759710	EPA 7470A	759802
92652951014	BOW-GWC-6RZ	EPA 7470A	759710	EPA 7470A	759802
92652951015	BOW-GWC-10	EPA 7470A	759710	EPA 7470A	759802
92652951016	BOW-GWC-10R	EPA 7470A	759710	EPA 7470A	759802
92652951017	BOW-GWC-11	EPA 7470A	759710	EPA 7470A	759802
92652951018	BOW-GWC-11R	EPA 7470A	759710	EPA 7470A	759802
92652951019	BOW-LF1-2-FD-11	EPA 7470A	759710	EPA 7470A	759802
92652951020	BOW-LF1-2-FB-18	EPA 7470A	759710	EPA 7470A	759802
92652951021	BOW-LF1-2-FB-17	EPA 7470A	759740	EPA 7470A	760372
92652951022	BOW-GWC-8RR	EPA 7470A	759740	EPA 7470A	760372
92652951023	BOW-GWC-9	EPA 7470A	759740	EPA 7470A	760372
92652951024	BOW-GWC-12	EPA 7470A	759740	EPA 7470A	760372
92652951025	BOW-LF1-2-FB-19	EPA 7470A	759740	EPA 7470A	760372
92652951026	BOW-GWC-13	EPA 7470A	759740	EPA 7470A	760372
92652951027	BOW-GWC-13RZ	EPA 7470A	759740	EPA 7470A	760372
92652951028	BOW-GWC-14Z	EPA 7470A	759740	EPA 7470A	760372
92652951029	BOW-GWC-15R	EPA 7470A	759740	EPA 7470A	760372
92652951030	BOW-GWC-15Z	EPA 7470A	759740	EPA 7470A	760372
92652951031	BOW-LF1-2-FB-20	EPA 7470A	759740	EPA 7470A	760372
92652951032	BOW-LF1-2-FD-12	EPA 7470A	759740	EPA 7470A	760372
92652951001	BOW-GWA-1	SM 2540C-2015	757741		
92652951002	BOW-GWA-2	SM 2540C-2015	757741		
92652951003	BOW-GWA-2R	SM 2540C-2015	757741		
92652951004	BOW-GWA-50	SM 2540C-2015	757741		
92652951005	BOW-GWA-50R	SM 2540C-2015	757741		
92652951006	BOW-LF1-2-FD-10	SM 2540C-2015	757741		
92652951007	BOW-LF1-2-FB-16	SM 2540C-2015	757741		
92652951008	BOW-GWC-5	SM 2540C-2015	757741		
92652951009	BOW-GWC-7Z	SM 2540C-2015	757741		
92652951010	BOW-GWC-8Z	SM 2540C-2015	757741		
92652951011	BOW-GWA-3A	SM 2540C-2015	757741		
92652951012	BOW-GWA-4RZ	SM 2540C-2015	757741		
92652951013	BOW-GWC-6	SM 2540C-2015	757741		
92652951014	BOW-GWC-6RZ	SM 2540C-2015	757741		
92652951015	BOW-GWC-10	SM 2540C-2015	757741		
92652951016	BOW-GWC-10R	SM 2540C-2015	757741		
92652951017	BOW-GWC-11	SM 2540C-2015	757741		
92652951018	BOW-GWC-11R	SM 2540C-2015	757741		
92652951019	BOW-LF1-2-FD-11	SM 2540C-2015	757741		
92652951020	BOW-LF1-2-FB-18	SM 2540C-2015	757968		
92652951021	BOW-LF1-2-FB-17	SM 2540C-2015	757741		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2
Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951022	BOW-GWC-8RR	SM 2540C-2015	758266		
92652951023	BOW-GWC-9	SM 2540C-2015	758266		
92652951024	BOW-GWC-12	SM 2540C-2015	758266		
92652951025	BOW-LF1-2-FB-19	SM 2540C-2015	758266		
92652951026	BOW-GWC-13	SM 2540C-2015	758266		
92652951027	BOW-GWC-13RZ	SM 2540C-2015	758266		
92652951028	BOW-GWC-14Z	SM 2540C-2015	758266		
92652951029	BOW-GWC-15R	SM 2540C-2015	758266		
92652951030	BOW-GWC-15Z	SM 2540C-2015	758266		
92652951031	BOW-LF1-2-FB-20	SM 2540C-2015	758266		
92652951032	BOW-LF1-2-FD-12	SM 2540C-2015	758266		
92652951001	BOW-GWA-1	SM 2320B-2011	757477		
92652951002	BOW-GWA-2	SM 2320B-2011	757477		
92652951003	BOW-GWA-2R	SM 2320B-2011	757477		
92652951004	BOW-GWA-50	SM 2320B-2011	757477		
92652951005	BOW-GWA-50R	SM 2320B-2011	757477		
92652951006	BOW-LF1-2-FD-10	SM 2320B-2011	757477		
92652951007	BOW-LF1-2-FB-16	SM 2320B-2011	757477		
92652951008	BOW-GWC-5	SM 2320B-2011	757820		
92652951009	BOW-GWC-7Z	SM 2320B-2011	757820		
92652951010	BOW-GWC-8Z	SM 2320B-2011	757820		
92652951011	BOW-GWA-3A	SM 2320B-2011	757703		
92652951012	BOW-GWA-4RZ	SM 2320B-2011	757703		
92652951013	BOW-GWC-6	SM 2320B-2011	757703		
92652951014	BOW-GWC-6RZ	SM 2320B-2011	757703		
92652951015	BOW-GWC-10	SM 2320B-2011	757820		
92652951016	BOW-GWC-10R	SM 2320B-2011	757820		
92652951017	BOW-GWC-11	SM 2320B-2011	757820		
92652951018	BOW-GWC-11R	SM 2320B-2011	757820		
92652951019	BOW-LF1-2-FD-11	SM 2320B-2011	757820		
92652951020	BOW-LF1-2-FB-18	SM 2320B-2011	758504		
92652951021	BOW-LF1-2-FB-17	SM 2320B-2011	757703		
92652951022	BOW-GWC-8RR	SM 2320B-2011	758504		
92652951023	BOW-GWC-9	SM 2320B-2011	758504		
92652951024	BOW-GWC-12	SM 2320B-2011	758504		
92652951025	BOW-LF1-2-FB-19	SM 2320B-2011	758504		
92652951026	BOW-GWC-13	SM 2320B-2011	758781		
92652951027	BOW-GWC-13RZ	SM 2320B-2011	758781		
92652951028	BOW-GWC-14Z	SM 2320B-2011	758781		
92652951029	BOW-GWC-15R	SM 2320B-2011	758781		
92652951030	BOW-GWC-15Z	SM 2320B-2011	758781		
92652951031	BOW-LF1-2-FB-20	SM 2320B-2011	758781		
92652951032	BOW-LF1-2-FD-12	SM 2320B-2011	758781		
92652951001	BOW-GWA-1	EPA 300.0 Rev 2.1 1993	757099		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1 & 2
 Pace Project No.: 92652951

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92652951002	BOW-GWA-2	EPA 300.0 Rev 2.1 1993	757099		
92652951003	BOW-GWA-2R	EPA 300.0 Rev 2.1 1993	757099		
92652951004	BOW-GWA-50	EPA 300.0 Rev 2.1 1993	757099		
92652951005	BOW-GWA-50R	EPA 300.0 Rev 2.1 1993	757099		
92652951006	BOW-LF1-2-FD-10	EPA 300.0 Rev 2.1 1993	757100		
92652951007	BOW-LF1-2-FB-16	EPA 300.0 Rev 2.1 1993	757100		
92652951008	BOW-GWC-5	EPA 300.0 Rev 2.1 1993	757631		
92652951009	BOW-GWC-7Z	EPA 300.0 Rev 2.1 1993	757631		
92652951010	BOW-GWC-8Z	EPA 300.0 Rev 2.1 1993	757631		
92652951011	BOW-GWA-3A	EPA 300.0 Rev 2.1 1993	757631		
92652951012	BOW-GWA-4RZ	EPA 300.0 Rev 2.1 1993	757631		
92652951013	BOW-GWC-6	EPA 300.0 Rev 2.1 1993	757631		
92652951014	BOW-GWC-6RZ	EPA 300.0 Rev 2.1 1993	757631		
92652951015	BOW-GWC-10	EPA 300.0 Rev 2.1 1993	757631		
92652951016	BOW-GWC-10R	EPA 300.0 Rev 2.1 1993	757631		
92652951017	BOW-GWC-11	EPA 300.0 Rev 2.1 1993	757631		
92652951018	BOW-GWC-11R	EPA 300.0 Rev 2.1 1993	757631		
92652951019	BOW-LF1-2-FD-11	EPA 300.0 Rev 2.1 1993	757634		
92652951020	BOW-LF1-2-FB-18	EPA 300.0 Rev 2.1 1993	757634		
92652951021	BOW-LF1-2-FB-17	EPA 300.0 Rev 2.1 1993	757634		
92652951022	BOW-GWC-8RR	EPA 300.0 Rev 2.1 1993	758130		
92652951023	BOW-GWC-9	EPA 300.0 Rev 2.1 1993	758130		
92652951024	BOW-GWC-12	EPA 300.0 Rev 2.1 1993	758130		
92652951025	BOW-LF1-2-FB-19	EPA 300.0 Rev 2.1 1993	758130		
92652951026	BOW-GWC-13	EPA 300.0 Rev 2.1 1993	758130		
92652951027	BOW-GWC-13RZ	EPA 300.0 Rev 2.1 1993	758130		
92652951028	BOW-GWC-14Z	EPA 300.0 Rev 2.1 1993	758130		
92652951029	BOW-GWC-15R	EPA 300.0 Rev 2.1 1993	758130		
92652951030	BOW-GWC-15Z	EPA 300.0 Rev 2.1 1993	758130		
92652951031	BOW-LF1-2-FB-20	EPA 300.0 Rev 2.1 1993	758130		
92652951032	BOW-LF1-2-FD-12	EPA 300.0 Rev 2.1 1993	758130		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition:
Upon Receipt:

Client Name:

GA Power

Project #:

WO#: 92652951



92652951

Courier: Fed Ex USPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *2/17/23*
604

Packing Material: Bubble Wrap Bubble Bags None Other:

Biological Tissue Frozen?

Yes No N/A

Thermometer:

Serial ID: *230*

Type of Ice: Wet Dry None

Cooler Temp:

5.5

Correction Factor:

0.0

Add/Subtract (°C)

5.5

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States (CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within hold time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Refresh Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Discarded analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match CDC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Temp/Analysis Matrix:	<i>W</i>	
# Exchange in YDA Vials (>5.6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of spill containing:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SPF Review:

Date:



DC# Title: ENV-FRM-HUNT-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Project # **WO# : 92652951**

PH: BY **Due Date: 03/03/23**

CLIENT: GR-OR Pauer

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/DB15 (water) COC, UHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125	125 mL Plastic Unpreserved (N/A) (C-1)		2										
BP20-250	250 mL Plastic Unpreserved (N/A)		2										
BP00-500	500 mL Plastic Unpreserved (N/A)		1										
BP10-1 liter	1 liter Plastic Unpreserved (N/A)												
BP45-125	125 mL Plastic H2SO4 (pH < 2) (C-1)		2										
BP10-250	250 mL Plastic HNO3 (pH < 2)		2										
BP42-1.75	1.75 mL Plastic 2N Acetic Acid (pH < 9)												
BP46-125	125 mL Plastic NaOH (pH > 12) (C-1)												
W050-1/4	1/4 in. diameter Glass Jar Unpreserved												
AG30-1 liter	1 liter Amber Unpreserved (N/A) (C-1)												
AG10-1 liter	1 liter Amber HCl (pH < 2)												
AG30-250	250 mL Amber Unpreserved (N/A) (C-1)												
AG15-1 liter	1 liter Amber 0.175M (pH < 2)												
AG35-250	250 mL Amber H2SO4 (pH < 2)												
DO90-40	40 mL Amber 1000 IU/L (C-1)												
DO90-40	40 mL VOA 40 (N/A)												
VO30-40	40 mL VOA NRS203 (N/A)												
VO90-40	40 mL VOA Unpreserved (N/A)												
DO90-40	40 mL VOA 30PM (N/A)												
RP70-50	50 mL Plastic Unpreserved (N/A)												
V/GK	3 vials per 1000PH/CAI kit (N/A)												
SP50-125	125 mL 500 mg Plastic (N/A) 10b												
SP20-250	250 mL 500 mg Plastic (N/A) 10b												
BP50-250	250 mL Plastic (NH4)2SO4 (pH < 7)												
AG00-100	100 mL Amber Unpreserved (N/A) (C-1)												
US00-100	100 mL 100 mL 1000 mg Plastic (N/A)												
DO90-40	40 mL Amber Unpreserved (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting both Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office, i.e. Out of hold, incorrect preservative, out of temp, incorrect container.



DC# Title: ENV-FRM-HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville

Raleigh Mechanicsville Atlanta

Sample Location Upon Receipt

Client Name:

GA Power

Project #: WO#: 92652951

Carrier: Fed Ex UPS USPS Other: Pace

Client:

PM: BV

Due Date: 03/03/23

CLIENT: GA-GR Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/21/23

CA

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun C:

230

Type of Ice:

Dry Ice Blue None

Cooler Temp:

4.6

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C.

Samples out of temp either a. Samples on ice cooling process has begun.

Cooler Temp Corrected (°C):

4.6

USDA Regulated Soil: N/A, water sample:

Did samples originate in a quarantine zone within the United States: CA, NY, or SC

(check in 2019) Yes No

Do samples originate from a foreign source (internationally

including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Checklist Item	Yes	No	N/A	Comments/Discrepancy
Chain of Custody Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6
Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7
Drashed analysis: Sample Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8
Sample Labels Match COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9
Includes Date/Time/ID/Analysis Matrix				
Message in VOA Vials (submittal)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10
Trip Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11
Trip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

W

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot # of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Col term, TOC, Oil and Grease, DRO/BOLIS (water), DOC, UHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92652951

PM: BV

Due Date: 03/03/23

CLIENT: GR-GR Power

Bottle	Sample Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-25 ml Plastic Unpreserved (N/A) (C1)													
BP50-250 ml Plastic Unpreserved (N/A)		2	2										
BP20-500 ml Plastic Unpreserved (N/A)		1											
BP100-1 Liter Plastic Unpreserved (N/A)													
BP40-125 ml Plastic H2SO4 (pH < 2) (C1)													
BP30-150 ml Plastic HNO3 (pH < 2)													
BP40-125 ml Plastic 2N Acetate & H2SO4 (C1)													
BP40-125 ml Plastic H2O2 (pH > 12) (C1)													
UNGEN-Wide mouthed Glass Jar Unpreserved													
AG50-1 Liter Amber Unpreserved (N/A) (C1)													
NCHH-1 Liter Amber HCl (pH < 2)													
AG30-250 ml Amber Unpreserved (N/A) (C1)													
AG30-1 Liter Amber H2SO4 (pH < 2)													
AG30-250 ml Amber H2SO4 (pH < 2)													
DC90-10 ml Amber N=10 (N/A) (C1)													
DC90-40 ml VOA HCl (N/A)													
VQ90-40 ml VOA H2S2O8 (N/A)													
VQ90-40 ml VOA Unpreserved (N/A)													
DC90-40 ml VOA H2SO4 (N/A)													
CP70-50 ml Plastic Unpreserved (N/A)													
V/GR (3 vials per kit) VOA (N/A)													
SM7-125 ml Plastic (N/A) - lab													
SP2-250 ml Plastic (N/A) - lab													
BP40-250 ml Plastic (N/A) (C1)													
AG50-100 ml Amber Unpreserved (N/A) (C1)													
VQ90-20 ml Sealed Amber vials (N/A)													
DC90-10 ml Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservative adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQR Certification Office. Out of date, incorrect preservative, out of temp, incorrect containers.



DC# Title: ENV-FRM-HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, DI and Grease, CRO/6035 (water) DOC, LUM

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92652951

PH: BY

Due Date: 03/03/23

CLIENT: GR-GR Power

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
	B0411-125 ml, Plastic Unpreserved (N/A) (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	B0412-250 ml, Plastic Unpreserved (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	B0413-500 ml, Plastic Unpreserved (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	M011-1 liter, Plastic Unpreserved (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	B0415-125 ml, Plastic N/A (pH < 7) (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	B0416-250 ml, Plastic N/A (pH < 7) (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	B0417-250 ml, Plastic N/A (pH > 7) (N/A)	/	2	/	/	/	/	/	/	/	/	/	/
	N/A (Wide-mouthed Glass for Unpreserved)	/		/	/	/	/	/	/	/	/	/	/
	A0111-1 liter, Amber Unpreserved (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	A0114-1 liter, Amber (N/A) (pH < 7)	/		/	/	/	/	/	/	/	/	/	/
	A0115-250 ml, Amber Unpreserved (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	A0116-1 liter, Amber (N/A) (pH < 7)	/		/	/	/	/	/	/	/	/	/	/
	A0118-250 ml, Amber (N/A) (pH < 7)	/		/	/	/	/	/	/	/	/	/	/
	D0314-20 ml, Amber (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	D0315-20 ml, Amber (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	V0911-40 ml, VOA (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	V0912-40 ml, VOA Unpreserved (N/A)	/		/	/	/	/	/	/	/	/	/	/
	D0316-20 ml, VOA (N/A)	/		/	/	/	/	/	/	/	/	/	/
	V0711-50 ml, Plastic Unpreserved (N/A)	/		/	/	/	/	/	/	/	/	/	/
	V0712-50 ml, Plastic (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	S0111-125 ml, Sterile Plastic (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	S0112-250 ml, Sterile Plastic (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	B0418-250 ml, Plastic (N/A) (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	N/A (100 ml Amber Unpreserved (N/A) (N/A))	/		/	/	/	/	/	/	/	/	/	/
	V0913-20 ml, Sterile Plastic (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/
	D0317-20 ml, Amber Unpreserved (N/A) (N/A)	/		/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DCM Certification Office (i.e. Out of hule, incorrect preservative, out of temp, incorrect containers)



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville

Raleigh Mechanicalville Belmont Kannapolis

Sample Condition
Specified on:

Client Name:

Georgia Power

Project #:

WO#: 92652951

Courier:

Commercial

FedEx

UPS

USPS

Other

Other

Custody Seal Present?

Yes

No

Seals Intact?

Yes

No

Packing Material:

Bubble Wrap

Bubble Bags

None

Other

Thermometer:

In Gun ID:

083

Type of Ice:

White

Blue

None

Cooler Temp:

5.8

Correction Factor:

+0.2

Cooler Temp Corrected (°C):

6.0

MSDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States (CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	Yes	No	N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.
Sufficient volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.
Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	8.
Sample Labels Match DOC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9.
-In Codes Date/Time/ID/Analysis Matrix W				
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10.
Trip Blank Broken?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



DC# Title: ENV-FRM-MUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92652951

Project #

PR: BV

Due Date: 03/03/23

CLIENT: GR-GR Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/SD15 (water) DOC, LUg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BPAU-125 ml Plastic Unpreserved (N/A) (C-1)													
BPAU-250 ml Plastic Unpreserved (N/A)		2											
BPAU-500 ml Plastic Unpreserved (N/A)			2										
BPAL-1 liter 9.9% Acetic Unpreserved (N/A)													
BPAL-1.25 ml Plastic (N/A) (pH < 2) (C-1)													
BPAU-250 ml Plastic (N/A) (pH < 2)													
BPAU-1.25 ml Plastic 24% Acetic & NaOH (N/A)													
BPAU-1.25 ml Plastic NaOH (pH < 12) (C-1)													
VGSU-Wide-mouthed Glass Jar Unpreserved													
AGLU-1 liter Amber Unpreserved (N/A) (C-1)													
AGLU-1 liter Amber HCl (pH < 2)													
AGLU-250 ml Amber Unpreserved (N/A) (C-1)													
AGLU-1 liter Amber H ₂ SO ₄ (pH < 2)													
AGLU-250 ml Amber H ₂ SO ₄ (pH < 2)													
AGLU-40 ml Amber NH ₄ Cl (N/A) (C-1)													
AGLU-40 ml VOA HCl (N/A)													
VGSU-10 ml VOA Na ₂ S ₂ O ₃ (N/A)													
VGSU-50 ml VOA Unpreserved (N/A)													
DBVA-40 ml VOA H ₂ PO ₄ (N/A)													
VGSU-50 ml Plastic Unpreserved (N/A)													
VGSU-13 vials per kit VFA/Gas kit (N/A)													
SEST-1.25 ml Sterile Plastic (N/A - Lab)													
SPET-250 ml Sterile Plastic (N/A - Lab)													
BPAU-250 ml Plastic (N/A) (SD15) (C-1)													
AGLU-100 ml Amber Unpreserved (N/A) (C-1)													
VGSU-20 ml Sealed Glass Vials (N/A)													
BPAU-40 ml Amber Unpreserved (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Face

CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via the chain of custody protocol is a LEGAL DOCUMENT. All relevant fields must be completed accurately. The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Required Client Information:
 Client Name: George Power
 Client Address: 241 North St. Old Blad, ME
 Client Phone: 207.833.8800
 Client Email: power@georgepower.com
 Project Name: Standard
 Requested Due Date: Standard

Section B

Required Project Information:
 Report ID: ME015-2013-0001
 Copy To: George Power
 Project Address: 241 North St. Old Blad, ME
 Project Contact: George Power
 Project Phone: 207.833.8800
 Project Email: power@georgepower.com
 Project ID: ME015-2013-0001
 Project Name: Standard

Sample ID	Oven Characterization Temp: 142, 147, +	Sample Size: 10g	Container	Matrix	Date Collected	Time	Gate	Time	Lab	Presumptives										Lab No	Chain of Custody				
										COCA	COB	COE	COF	COG	COH	COI	COJ	COK	COL			COM	CON		
DOM-LF-2-FB-10					2/16/23	14:50	1		ME015-2013-0001	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	99658951 006
DOM-LF-2-FB-11					2/16/23	14:50	1		ME015-2013-0001	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	007
DOM-LF-2-FB-12									ME015-2013-0001																
DOM-LF-2-FB-13									ME015-2013-0001																
DOM-LF-2-FB-14									ME015-2013-0001																
DOM-LF-2-FB-15									ME015-2013-0001																
DOM-LF-2-FB-16									ME015-2013-0001																
DOM-LF-2-FB-17									ME015-2013-0001																
DOM-LF-2-FB-18									ME015-2013-0001																
DOM-LF-2-FB-19									ME015-2013-0001																
DOM-LF-2-FB-20									ME015-2013-0001																
DOM-LF-2-FB-21									ME015-2013-0001																

Section C

Required Chain of Custody Information:
 Collector: William Leaker
 Date Collected: 2/17/23
 Time Collected: 12:15
 Location: Old Blad, ME
 Sample ID: DOM-LF-2-FB-10
 Sample Weight: 10g
 Sample Matrix: William Leaker
 Signature: *[Signature]*
 Date: 2/16/23

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Sampling a sample via this chain of custody constitutes acknowledgment and acceptance of the Field Terms and Conditions found at <http://info.paceelab.com/html/parts-standard-terms.pdf>

Page: 1 of 3

Section A
 Required Client Information:
 Company: Georgia Power
 Address: 241 Ranch Woods Blvd NE
 Atlanta, GA 30328
 Contact: Regina@georgiapower.com
 Phone: 404.311.0000 Fax:
 Acquisition Date: Standard

Section B
 Requesting Analyst Information:
 Report To: Erin Hunsb Crashy
 Copy To: Sara Moffatt Biotechnology West
 Address: Atlanta Georgia
 Analyst: Erin Hunsb
 Report Name: Report (E-CM) 432
 Project #:

Section C
 Invoice Information:
 Company Name: Georgia Power
 Address: 241 Ranch Woods Blvd NE
 Atlanta, GA 30328
 Contact: Regina@georgiapower.com
 Phone: 404.311.0000 Fax:
 Acquisition Date: Standard

Section D
 Analytical Request Information:
 Requested Method: Standard
 Requested Quantity: Standard
 Requested Turnaround: Standard
 Requested Priority: Standard

Section E
 Sample Information:
 Sample ID: 42652951
 Sample Description: Standard
 Sample Location: Standard
 Sample Date: Standard
 Sample Time: Standard
 Sample Volume: Standard
 Sample Weight: Standard
 Sample Temperature: Standard
 Sample Storage: Standard
 Sample Handling: Standard
 Sample Packaging: Standard
 Sample Labeling: Standard
 Sample Identification: Standard
 Sample Collection: Standard
 Sample Collection Date: Standard
 Sample Collection Time: Standard
 Sample Collection Location: Standard
 Sample Collection Method: Standard
 Sample Collection Personnel: Standard
 Sample Collection Equipment: Standard
 Sample Collection Notes: Standard

Section F
 Analytical Method Information:
 Method Name: Standard
 Method Description: Standard
 Method Reference: Standard
 Method Accreditation: Standard
 Method Validation: Standard
 Method Performance: Standard
 Method Precision: Standard
 Method Accuracy: Standard
 Method Sensitivity: Standard
 Method Specificity: Standard
 Method Interference: Standard
 Method Recovery: Standard
 Method Detection Limit: Standard
 Method Reporting Limit: Standard
 Method Units: Standard
 Method Notes: Standard

Section G
 Analytical Results Information:
 Result Name: Standard
 Result Value: Standard
 Result Units: Standard
 Result Reference: Standard
 Result Accuracy: Standard
 Result Precision: Standard
 Result Sensitivity: Standard
 Result Specificity: Standard
 Result Interference: Standard
 Result Recovery: Standard
 Result Detection Limit: Standard
 Result Reporting Limit: Standard
 Result Units: Standard
 Result Notes: Standard

Section H
 Analytical Laboratory Information:
 Laboratory Name: Standard
 Laboratory Address: Standard
 Laboratory Phone: Standard
 Laboratory Fax: Standard
 Laboratory Website: Standard
 Laboratory Accreditation: Standard
 Laboratory Validation: Standard
 Laboratory Performance: Standard
 Laboratory Precision: Standard
 Laboratory Accuracy: Standard
 Laboratory Sensitivity: Standard
 Laboratory Specificity: Standard
 Laboratory Interference: Standard
 Laboratory Recovery: Standard
 Laboratory Detection Limit: Standard
 Laboratory Reporting Limit: Standard
 Laboratory Units: Standard
 Laboratory Notes: Standard

Section I
 Analytical Chain of Custody Information:
 Chain of Custody Number: Standard
 Chain of Custody Description: Standard
 Chain of Custody Reference: Standard
 Chain of Custody Accreditation: Standard
 Chain of Custody Validation: Standard
 Chain of Custody Performance: Standard
 Chain of Custody Precision: Standard
 Chain of Custody Accuracy: Standard
 Chain of Custody Sensitivity: Standard
 Chain of Custody Specificity: Standard
 Chain of Custody Interference: Standard
 Chain of Custody Recovery: Standard
 Chain of Custody Detection Limit: Standard
 Chain of Custody Reporting Limit: Standard
 Chain of Custody Units: Standard
 Chain of Custody Notes: Standard

Section J
 Analytical Signatures and Dates:
 Analyst Signature: Standard
 Analyst Date: Standard
 Collector Signature: Standard
 Collector Date: Standard
 Shipper Signature: Standard
 Shipper Date: Standard
 Receiver Signature: Standard
 Receiver Date: Standard

Section K
 Analytical Comments:
 Comments: Standard

Section L
 Analytical Summary:
 Summary: Standard

Section M
 Analytical Footer:
 Footer: Standard

Section N
 Analytical Appendix:
 Appendix: Standard

Section O
 Analytical Revision History:
 Revision History: Standard

Section P
 Analytical Approval:
 Approval: Standard

Section Q
 Analytical Release:
 Release: Standard

Section R
 Analytical Archival:
 Archival: Standard

Section S
 Analytical Storage:
 Storage: Standard

Section T
 Analytical Disposal:
 Disposal: Standard

Section U
 Analytical Retention:
 Retention: Standard

Section V
 Analytical Archiving:
 Archiving: Standard

Section W
 Analytical Backup:
 Backup: Standard

Section X
 Analytical Recovery:
 Recovery: Standard

Section Y
 Analytical Restoration:
 Restoration: Standard

Section Z
 Analytical Archival:
 Archival: Standard

Section AA
 Analytical Storage:
 Storage: Standard

Section AB
 Analytical Disposal:
 Disposal: Standard

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CHAIN-OF-CUSTODY / Analytical Request Document

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Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Place, Terms, and Conditions found at <https://www.gsc.state.ga.us/hs/hs-forms-and-templates.pdf>

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 Section Z

WELL	WQID	WQID Description	WQID Code	Sample Type	DATE	TIME	Preservatives							LID	CLOSURE	DATE	TIME	INITIALS	SIGNATURE
							None	Formalin	Boric Acid	Ascorbic Acid	Hydrochloric Acid	Chloroform	Mercuric Chloride						
11	BOW-GWQ-ARIP		WS	G	2/20/23	1245													
14	BOW-GWQ-9		WS	G	2/20/23	1040													
15	BOW-GWQ-10		WS	G	2/20/23	1345													
16	BOW-GWQ-11		WS	G	2/20/23	1500													
17	BOW-GWQ-12		WS	G															
18	BOW-GWQ-13		WS	G															
19	BOW-GWQ-14		WS	G															
20	BOW-GWQ-15		WS	G															
21	BOW-GWQ-16		WS	G															
22	BOW-GWQ-17		WS	G															
23	BOW-GWQ-18		WS	G															
24	BOW-GWQ-19		WS	G															

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CHAIN-OF-CUSTODY / Analytical Request Document

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Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Terms and Conditions found at <http://www.pace.com/chain-of-custody-terms.pdf>.

Page: 3 of 3

Section A
 Requested Chain of Custody Information:
 Client: Georgia Power
 Address: 201 North McCall Blvd NE Atlanta, GA 30303
 City: Atlanta State: GA Zip: 30303
 Contact: James H. Smith Title: Manager Phone: 404.217.4000 Fax:
 Requested Chain of Custody: Standard

Section B
 Requested Product Information:
 Material ID: AS-1000-10000 Category: Asphalt
 City: Atlanta State: GA Zip: 30303
 Material Name: Asphalt Material Description: Asphalt
 Material Source: Asphalt Material Type: Asphalt
 Material Quantity: 10000 Material Unit: lb
 Material Date: 1/20/23 Material Lot: 10000

Section C
 Requested Test Information:
 Test Name: Asphalt Test Method: Asphalt
 Test Location: Atlanta Test Date: 1/20/23
 Test Results: Asphalt Test Status: Asphalt

ITEM #	SAMPLE ID	DATE	TIME	COLLECTOR	ANALYST	PRESERVATION										TEST #	TEST NAME	TEST DATE	TEST RESULT
						UNOPENED	NO. OF CONTAINERS	NO. OF SAMPLES	NO. OF SUBS	NO. OF ALIQUOTS	NO. OF SUBS	NO. OF ALIQUOTS	NO. OF SUBS	NO. OF ALIQUOTS	NO. OF SUBS				
1	AS-1000-10000-1	1/20/23	1345	William / Pace	William / Pace														
2	AS-1000-10000-2	1/20/23	1345	William / Pace	William / Pace														
3	AS-1000-10000-3	1/20/23	1345	William / Pace	William / Pace														
4	AS-1000-10000-4	1/20/23	1345	William / Pace	William / Pace														
5	AS-1000-10000-5	1/20/23	1345	William / Pace	William / Pace														
6	AS-1000-10000-6	1/20/23	1345	William / Pace	William / Pace														
7	AS-1000-10000-7	1/20/23	1345	William / Pace	William / Pace														
8	AS-1000-10000-8	1/20/23	1345	William / Pace	William / Pace														
9	AS-1000-10000-9	1/20/23	1345	William / Pace	William / Pace														
10	AS-1000-10000-10	1/20/23	1345	William / Pace	William / Pace														

Section D
 Requested Test Information:
 Test Name: Asphalt Test Method: Asphalt
 Test Location: Atlanta Test Date: 1/20/23
 Test Results: Asphalt Test Status: Asphalt

Section E
 Requested Chain of Custody Information:
 Chain of Custody: Standard

Section F
 Requested Test Information:
 Test Name: Asphalt Test Method: Asphalt
 Test Location: Atlanta Test Date: 1/20/23
 Test Results: Asphalt Test Status: Asphalt

Section G
 Requested Test Information:
 Test Name: Asphalt Test Method: Asphalt
 Test Location: Atlanta Test Date: 1/20/23
 Test Results: Asphalt Test Status: Asphalt

Face

CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Print Terms and Conditions found at https://www.parr.com/chain-of-custody-terms.pdf. See table 2

Section 1

Client Information:
 Company: Georgia Power
 Address: 241 North Peach Blvd NE Atlanta, GA 30308
 Phone: (478) 217-0338
 Project Name: Brown LF Gals 112
 Project ID: 168834

Regional Project Information:
 Region 16: Western Atlantic, Coastal Subregion
 Copy To: Laura Miller, Bob Higgins, Steve Smiley
 Analyst: Heidi Long
 Business Order #
 Project Name: Brown LF Gals 112
 Project ID: 168834

Prep Info:
 Preparer: [blank]
 Date: [blank]

Signature: [Signature]

NO	SAMPLE ID	MATERIAL TYPE (S, W, C, D)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATION						DATE	TIME
			TYPE	CONC				FRY	STAB	CHL	PST	ORG	STR		
1	BCW-CW-C-182	WE G	2/21/23	0950	2/21/23	0950	43	FRY	STAB	CHL	PST	ORG	STR	2/21/23	0951
2	BCW-CW-C-182	WE G	2/21/23	1055	2/21/23	1055	43	FRY	STAB	CHL	PST	ORG	STR	2/21/23	1055
3	BCW-CW-C-11R	WE G	2/21/23	1501	2/21/23	1501	43	FRY	STAB	CHL	PST	ORG	STR	2/21/23	1501
4	BCW-CW-C-11R	WE G						FRY	STAB	CHL	PST	ORG	STR		
5	BCW-CW-C-182	WE G						FRY	STAB	CHL	PST	ORG	STR		
6	BCW-CW-C-182	WE G						FRY	STAB	CHL	PST	ORG	STR		
7	BCW-CW-C-182	WE G						FRY	STAB	CHL	PST	ORG	STR		
8	BCW-CW-C-182	WE G						FRY	STAB	CHL	PST	ORG	STR		
9	BCW-CW-C-182	WE G						FRY	STAB	CHL	PST	ORG	STR		
10	BCW-CW-C-182	WE G						FRY	STAB	CHL	PST	ORG	STR		

Signature: [Signature] **Date:** 2/21/23 **Time:** 10:25

Preparer: Ryan Williams / Pco **Date:** 2/21/23

Page

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain-of-custody constitutes acknowledgment and acceptance of the "Terms and Conditions" found at http://www.pasadena.com/hydrogas_standard_terms.pdf.

Section A

Requested Chain of Custody Information:
 Requester: Georgia Power
 Address: 241 Robert McCall Blvd #E
 Atlanta, GA 30308
 Email: regafford@ge.com
 Phone: (404) 717-6208
 Requested Date: Standard

Section B

Requested Project Information:
 Report To: Unknown Period, Energy Submarket
 City: Lawrenceville, Ga
 Address: 241 Robert McCall Blvd NE Atlanta GA 30308
 State: GA
 Project Name: Standard

Section C

Labels Information:
 Company Name: Georgia Power
 Address: 241 Robert McCall Blvd NE Atlanta GA 30308
 State: GA
 Project Name: Standard

SAMPLE ID	MATERIAL TYPE	DATE	TIME	COLLECTED		PRESERVATION	ANALYSIS				TESTED IN	TESTED BY
				DATE	TIME		TOXIC	MSDS	MSDS	MSDS		
1044124B-10	MC 0	2/21/23	1540				X	X	X	X		
1044124B-11	MS 0						X	X	X	X		
1044124B-12	MS 0						X	X	X	X		
1044124B-13	MS 0						X	X	X	X		
1044124B-14	MS 0						X	X	X	X		
1044124B-15	MS 0						X	X	X	X		
1044124B-16	MS 0						X	X	X	X		
1044124B-17	MS 0						X	X	X	X		
1044124B-18	MS 0						X	X	X	X		
1044124B-19	MS 0						X	X	X	X		
1044124B-20	MS 0						X	X	X	X		
1044124B-21	MS 0						X	X	X	X		
1044124B-22	MS 0						X	X	X	X		
1044124B-23	MS 0						X	X	X	X		
1044124B-24	MS 0						X	X	X	X		
1044124B-25	MS 0						X	X	X	X		
1044124B-26	MS 0						X	X	X	X		
1044124B-27	MS 0						X	X	X	X		
1044124B-28	MS 0						X	X	X	X		
1044124B-29	MS 0						X	X	X	X		
1044124B-30	MS 0						X	X	X	X		
1044124B-31	MS 0						X	X	X	X		
1044124B-32	MS 0						X	X	X	X		
1044124B-33	MS 0						X	X	X	X		
1044124B-34	MS 0						X	X	X	X		
1044124B-35	MS 0						X	X	X	X		
1044124B-36	MS 0						X	X	X	X		
1044124B-37	MS 0						X	X	X	X		
1044124B-38	MS 0						X	X	X	X		
1044124B-39	MS 0						X	X	X	X		
1044124B-40	MS 0						X	X	X	X		
1044124B-41	MS 0						X	X	X	X		
1044124B-42	MS 0						X	X	X	X		
1044124B-43	MS 0						X	X	X	X		
1044124B-44	MS 0						X	X	X	X		
1044124B-45	MS 0						X	X	X	X		
1044124B-46	MS 0						X	X	X	X		
1044124B-47	MS 0						X	X	X	X		
1044124B-48	MS 0						X	X	X	X		
1044124B-49	MS 0						X	X	X	X		
1044124B-50	MS 0						X	X	X	X		
1044124B-51	MS 0						X	X	X	X		
1044124B-52	MS 0						X	X	X	X		
1044124B-53	MS 0						X	X	X	X		
1044124B-54	MS 0						X	X	X	X		
1044124B-55	MS 0						X	X	X	X		
1044124B-56	MS 0						X	X	X	X		
1044124B-57	MS 0						X	X	X	X		
1044124B-58	MS 0						X	X	X	X		
1044124B-59	MS 0						X	X	X	X		
1044124B-60	MS 0						X	X	X	X		
1044124B-61	MS 0						X	X	X	X		
1044124B-62	MS 0						X	X	X	X		
1044124B-63	MS 0						X	X	X	X		
1044124B-64	MS 0						X	X	X	X		
1044124B-65	MS 0						X	X	X	X		
1044124B-66	MS 0						X	X	X	X		
1044124B-67	MS 0						X	X	X	X		
1044124B-68	MS 0						X	X	X	X		
1044124B-69	MS 0						X	X	X	X		
1044124B-70	MS 0						X	X	X	X		
1044124B-71	MS 0						X	X	X	X		
1044124B-72	MS 0						X	X	X	X		
1044124B-73	MS 0						X	X	X	X		
1044124B-74	MS 0						X	X	X	X		
1044124B-75	MS 0						X	X	X	X		
1044124B-76	MS 0						X	X	X	X		
1044124B-77	MS 0						X	X	X	X		
1044124B-78	MS 0						X	X	X	X		
1044124B-79	MS 0						X	X	X	X		
1044124B-80	MS 0						X	X	X	X		
1044124B-81	MS 0						X	X	X	X		
1044124B-82	MS 0						X	X	X	X		
1044124B-83	MS 0						X	X	X	X		
1044124B-84	MS 0						X	X	X	X		
1044124B-85	MS 0						X	X	X	X		
1044124B-86	MS 0						X	X	X	X		
1044124B-87	MS 0						X	X	X	X		
1044124B-88	MS 0						X	X	X	X		
1044124B-89	MS 0						X	X	X	X		
1044124B-90	MS 0						X	X	X	X		
1044124B-91	MS 0						X	X	X	X		
1044124B-92	MS 0						X	X	X	X		
1044124B-93	MS 0						X	X	X	X		
1044124B-94	MS 0						X	X	X	X		
1044124B-95	MS 0						X	X	X	X		
1044124B-96	MS 0						X	X	X	X		
1044124B-97	MS 0						X	X	X	X		
1044124B-98	MS 0						X	X	X	X		
1044124B-99	MS 0						X	X	X	X		
1044124B-100	MS 0						X	X	X	X		

Pace

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://www.pace-lab.com/chain-of-custody-terms-conditions>

Page: 7 of 8

Section A
 Requested Client Information:
 Company: DeWitt/Flom
 Address: 301 North Main St, Dept. 100
 Atlanta, GA 30308
 Email: request@pacelab.com
 Phone: 404-217-0008
 Requested Due Date: See below

Section B
 Requested Project Information:
 Report to: Number 1000, Dept of State/Police
 Copy To: Laura Marie, Ben Hodges, Mike Smiley
 Address: 241 North Main St, Dept. 100
 Atlanta, GA 30308
 Project Name: Number 1000
 Project No.: 1000-1
 Project #:

Section C
 Sample Information:
 Sample ID: 92652981
 Matrix: See below
 Container: See below
 Preservative: See below
 Date Collected: See below
 Time Collected: See below
 Location: See below
 Collector: See below
 Analyst: See below
 Method: See below
 Instrument: See below
 Lab: See below
 Project Manager: See below
 Pace File # 1000-1

SAMPLE ID	Matrix	Container	Preservative	Date Collected	Time Collected	Location	Collector	Analyst	Method	Instrument	Lab	Project Manager	Pace File #	TESTS										
														TOX	DRUG	PCB	PAH	PFAS	LEAD	CADMIUM	COBALT	CHROMIUM	COPPER	IRON
92652981	Water	1000-1	None	2/22/23	1130	Atlanta, GA	Ben Hodges	Mike Smiley	TOX	DRUG	PCB	PAH	PFAS	LEAD	CADMIUM	COBALT	CHROMIUM	COPPER	IRON	MANGANESE	NICKEL	SILICA	ZINC	
				2/22/23	1005																			
				2/22/23	1312																			
				2/22/23	1335																			
				2/22/23	1045																			

Section D
 Chain of Custody Signatures:
 Client Signature: [Signature]
 Client Name: Ben Hodges
 Client Title: Number 1000
 Date: 2/22/23
 Analyst Signature: [Signature]
 Analyst Name: Mike Smiley
 Analyst Title: Analyst
 Date: 2/22/23
 Lab Director Signature: [Signature]
 Lab Director Name: Ben Hodges
 Lab Director Title: Director
 Date: 2/22/23

Page

CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at: www.hydrochem.com/terms.pdf

Page: 3 of 3

Section A: Required Client Information

Client Name: Georgia Power
 Address: 28 North Middle Blvd NE
 Atlanta, GA 30308
 Phone: (404) 211-0008
 Email: hydrochem@ge.com

Section B: Required Project Information

Project Name: Stonewall Creek
 Project Address: 241 Page Mill Rd NE, Atlanta, GA 30308
 Project Contact: John P. ...
 Project Phone: ...

Section C: Analytical Information

Requested Analysis: ...

Sample ID	Date Collected	Time	Collector	Sample Type	Preservatives				Remarks
					COAG	PHOS	AMMONIA	AMMONIUM	
...
...
...	2/22/23	1400
...

Section D: Laboratory Information

Lab Name: Hydrochem
 Lab Address: ...
 Lab Phone: ...
 Lab Email: ...

Section E: Chain of Custody

Client Signature: ...
 Date: ...
 Lab Signature: Ryan Williams
 Date: 2/22/23

March 24, 2023

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF cells 9&10
Pace Project No.: 92657598

Dear Joju Abraham:

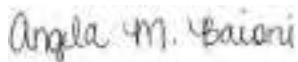
Enclosed are the analytical results for sample(s) received by the laboratory on March 17, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Angela Baioni for
Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power-CCR
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92657598001	BOW-GWC-48	Water	03/16/23 12:05	03/17/23 14:38
92657598002	BOW-LF9-10-FD-01	Water	03/16/23 00:00	03/17/23 14:38
92657598003	BOW-LF9-10-FB-01	Water	03/16/23 12:25	03/17/23 14:38

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92657598001	BOW-GWC-48	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92657598002	BOW-LF9-10-FD-01	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92657598003	BOW-LF9-10-FB-01	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92657598001	BOW-GWC-48					
	Performed by	Client			03/17/23 16:12	
	Collected By	William Laaker			03/17/23 16:12	
	Collected Date	03/16/23			03/17/23 16:12	
	Collected Time	12:05			03/17/23 16:12	
	pH	4.55	Std. Units		03/17/23 16:12	
EPA 7470A	Mercury	0.00045	mg/L	0.00020	03/22/23 11:39	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	03/18/23 12:56	
92657598002	BOW-LF9-10-FD-01					
EPA 7470A	Mercury	0.00047	mg/L	0.00020	03/22/23 11:42	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	03/18/23 13:11	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Sample: BOW-GWC-48 **Lab ID: 92657598001** Collected: 03/16/23 12:05 Received: 03/17/23 14:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Client				1		03/17/23 16:12		
Collected By	William Laaker				1		03/17/23 16:12		
Collected Date	03/16/23				1		03/17/23 16:12		
Collected Time	12:05				1		03/17/23 16:12		
pH	4.55	Std. Units			1		03/17/23 16:12		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00045	mg/L	0.00020	0.00013	1	03/22/23 07:40	03/22/23 11:39	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		03/18/23 12:56	16887-00-6	

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ANALYTICAL RESULTS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Sample: BOW-LF9-10-FD-01 Lab ID: 92657598002 Collected: 03/16/23 00:00 Received: 03/17/23 14:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	0.00047	mg/L	0.00020	0.00013	1	03/22/23 07:40	03/22/23 11:42	7439-97-6	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	5.4	mg/L	1.0	0.60	1		03/18/23 13:11	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Sample: BOW-LF9-10-FB-01 **Lab ID: 92657598003** Collected: 03/16/23 12:25 Received: 03/17/23 14:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	03/22/23 07:40	03/22/23 11:45	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		03/18/23 13:25	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF cells 9&10
 Pace Project No.: 92657598

QC Batch: 762902 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92657598001, 92657598002, 92657598003

METHOD BLANK: 3961991 Matrix: Water
 Associated Lab Samples: 92657598001, 92657598002, 92657598003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	03/22/23 10:31	

LABORATORY CONTROL SAMPLE: 3961992

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3961993 3961994

Parameter	Units	92656875003		3961994		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Mercury	mg/L	ND	0.0025	0.0021	0.0021	83	84	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3961995 3961996

Parameter	Units	92656875005		3961996		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Mercury	mg/L	ND	0.0025	0.0021	0.0023	85	93	75-125	9	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

QC Batch: 762285 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92657598001, 92657598002, 92657598003

METHOD BLANK: 3959316 Matrix: Water
 Associated Lab Samples: 92657598001, 92657598002, 92657598003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/18/23 11:30	

LABORATORY CONTROL SAMPLE: 3959317

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3959318 3959319

Parameter	Units	3959318		3959319		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92657563001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	2.0	50	50	49.2	49.8	94	96	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3959320 3959321

Parameter	Units	3959320		3959321		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92657461001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	2.2	50	50	49.5	51.2	94	98	90-110	4	10

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF cells 9&10

Pace Project No.: 92657598

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92657598001	BOW-GWC-48				
92657598001	BOW-GWC-48	EPA 7470A	762902	EPA 7470A	762920
92657598002	BOW-LF9-10-FD-01	EPA 7470A	762902	EPA 7470A	762920
92657598003	BOW-LF9-10-FB-01	EPA 7470A	762902	EPA 7470A	762920
92657598001	BOW-GWC-48	EPA 300.0 Rev 2.1 1993	762285		
92657598002	BOW-LF9-10-FD-01	EPA 300.0 Rev 2.1 1993	762285		
92657598003	BOW-LF9-10-FB-01	EPA 300.0 Rev 2.1 1993	762285		

REPORT OF LABORATORY ANALYSIS

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DC#_ Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: Georgia Power

Project #:

WO#: 92657598



Courier: Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 3-17-23 AX

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 0983 Type of Ice: Wet Blue None

Cooler Temp: 4.1 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.3

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	WG	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LHM

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92657598

PM: BV

Due Date: 03/23/23

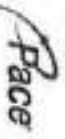
CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (S-)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WG7U-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9H-40 mL VOA H3PO4 (N/A)	KPPU-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP9R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-)	VG6U-30 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



CHAIN-OF-CUSTODY / Analytical Request Document

Requested Client Information: Company: Georgia Power Address: 241 Ralph McGill Blvd NE Atlanta, GA 30308 Email: byrnie@ga-power.com Phone: (478) 217-4008 Fax: Requested Due Date: 3 - 8 Day TAT (Mercury)		Requested Project Information: Report To: Kathleen Jarvin, Cassidy Sutherland Copy To: Laura Messer, Ben Hoopes, Mike Smith Nicolas Gang Purchase Order #: Project Name: Bowen U' Cells SA10 Project #:	
Client Information: Company Name: Georgia Power Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30308 Pace Order: Pace Project Manager: byrnie@ga-power.com Pace Order #: 305004		Regulatory Agency: State / Location: GA	

ITEM #	SAMPLE ID Date Character per batch. (A-Z, 0-9 / - /) Samples IDs must be unique	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-DRAW C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analyses Test		Residual Chlorine (Y/N)				
				DATE	TIME			Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Mercury		Chloride			
1	BOW-GWC-48	WQ G	G	3/16/23	1205	2	1	1													
2	BOW-LPS-10-PQ-01	WQ G	G	3/16/23	—	2	1	1													
3	BOW-LPS-10-PQ-01	WQ G	G	3/16/23	1225	2	1	1													
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS: Test Code: BOW-COR-ASMT-0018181 3-8 Day TAT for Mercury		RELINQUISHED BY / AFFILIATION: William Lecker Ryan William / Pace		DATE: 3/17/23 3/17/23		TIME: 0835 1438		ACCEPTED BY / AFFILIATION: Ryan William / Pace [Signature]		DATE: 3/17/23 3/19/23		TIME: 0835 1438		MATRIX COLLECTION:	
---	--	--	--	------------------------------------	--	------------------------------	--	---	--	------------------------------------	--	------------------------------	--	---------------------------	--

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: William Lecker SIGNATURE of SAMPLER: [Signature]		DATE SIGNED: 3/16/23	
TEMP in C:		Received on Ice (Y/N):	
Cooler Sealed (Y/N):		Samples Intact (Y/N):	

April 18, 2023

Cassidy Sutherland
Stantec
601 Grassmere Park Road
Suite 22
Nashville, TN 37211

RE: Project: Bowen LF Cells 1&2
Pace Project No.: 92661713

Dear Cassidy Sutherland:

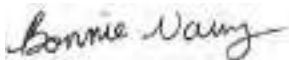
Enclosed are the analytical results for sample(s) received by the laboratory on April 11, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Kristen Jurinko, Southern Company
Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Brian Steele, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92661713001	BOW-GWC-13	Water	04/11/23 10:05	04/11/23 11:40
92661713002	BOW-LF1-2-FD-02	Water	04/11/23 00:00	04/11/23 11:40
92661713003	BOW-LF1-2-FB-02	Water	04/11/23 10:15	04/11/23 11:40

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2
Pace Project No.: 92661713

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92661713001	BOW-GWC-13	SM 2540C-2015	DL1	1
92661713002	BOW-LF1-2-FD-02	SM 2540C-2015	DL1	1
92661713003	BOW-LF1-2-FB-02	SM 2540C-2015	DL1	1

PASI-C = Pace Analytical Services - Charlotte
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92661713001	BOW-GWC-13					
	Performed by	Customer			04/12/23 08:42	
	pH	6.69	Std. Units		04/12/23 08:42	
SM 2540C-2015	Total Dissolved Solids	120	mg/L	25.0	04/12/23 16:13	
92661713002	BOW-LF1-2-FD-02					
SM 2540C-2015	Total Dissolved Solids	127	mg/L	25.0	04/12/23 16:13	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Sample: BOW-GWC-13 **Lab ID: 92661713001** Collected: 04/11/23 10:05 Received: 04/11/23 11:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer						04/12/23 08:42		
pH	6.69	Std. Units					04/12/23 08:42		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	120	mg/L	25.0	25.0	1		04/12/23 16:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Sample: BOW-LF1-2-FD-02 Lab ID: 92661713002 Collected: 04/11/23 00:00 Received: 04/11/23 11:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	127	mg/L	25.0	25.0	1		04/12/23 16:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Sample: BOW-LF1-2-FB-02 **Lab ID: 92661713003** Collected: 04/11/23 10:15 Received: 04/11/23 11:40 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		04/12/23 16:13		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

QC Batch: 767544

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92661713001, 92661713002, 92661713003

METHOD BLANK: 3985000

Matrix: Water

Associated Lab Samples: 92661713001, 92661713002, 92661713003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	04/12/23 16:10	

LABORATORY CONTROL SAMPLE: 3985001

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	396	99	80-120	

SAMPLE DUPLICATE: 3985002

Parameter	Units	92661663001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	565	566	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92661713

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92661713001	BOW-GWC-13				
92661713001	BOW-GWC-13	SM 2540C-2015	767544		
92661713002	BOW-LF1-2-FD-02	SM 2540C-2015	767544		
92661713003	BOW-LF1-2-FB-02	SM 2540C-2015	767544		

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Albemarle Kernersville

Sample Condition: Open Rejected

Client Name: Georgia Power

Project #:



Courier: FedEx UPS USPS Other: Commercial Pace Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents: GW/23.5T

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun: 083 Type of Ice: Ice Dry Ice None

Cooler Temp: 32.8 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing 10 °C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 33.0

USDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check map)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Destroyed analysis: Samples Filtr'd Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix	GW	
Headspace in VOA Vials (>5.6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of spilt containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCRF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Options: VOA, Coliform, TOC, Oil and Grease, 3RD/BD15 (water) DOC, Ure

**Bottom half of box is to list number of bottles

***Check all unpreserved NR rates for chlorine

Project #



Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
BP4U-250 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4U-500 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4U-1 Liter Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125 mL Plastic H2SO4 (pH < 2) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-250 mL Plastic H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-125 mL Plastic HNO3 & H2SO4 (C1)		/	/	/	/	/	/	/	/	/	/	/	/
BP4S-250 mL Plastic HNO3 (pH > 12) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
WGLU-Wyde-Anchored Glass Jar Unpreserved		/	/	/	/	/	/	/	/	/	/	/	/
AG2U-1 liter Amber Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
AG2M-1 liter Amber HCl (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG2U-250 mL Amber Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
AG2S-1 liter Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
AG2S-250 mL Amber H2SO4 (pH < 2)		/	/	/	/	/	/	/	/	/	/	/	/
DS9H-40 mL Amber N-HCl (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
DC2M-40 mL VOA HCl (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VE2T-40 mL VOA H2SO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
VE2U-40 mL VOA Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DS5M-40 mL VOA H3PO4 (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
EP4U-50 mL Plastic Unpreserved (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
V/BE (3 vials per B12-VFA) (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
SP4T-125 mL Sterile Plastic (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
SP4T-250 mL Sterile Plastic (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
BP4R-125 mL Plastic (N/A) (C1) (B-3-9-7)		/	/	/	/	/	/	/	/	/	/	/	/
AG2U-100 mL Amber Unpreserved (N/A) (C1)		/	/	/	/	/	/	/	/	/	/	/	/
YS2U-20 mL Scintillation vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/
DS2M-10 mL Amber Unpreserved vials (N/A)		/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office if it is Out of hold, incorrect preservative, out of temp, incorrect containers

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section B
 Requested Project Information:
 Request to: Western Nevada County Superior
 Copy To: Lawrence, Bill H (909) 448-8700
 Request Date: 4/11/23
 Project Name: Broken LF Child case
 Requested Date: 4/11/23

Section C
 Analytical Information:
 Request Number: 2419001
 Analytical: 2419001
 Requested Date: 4/11/23

ITEM #	SAMPLE ID One Container per item. (Label, 4x4, 1") Seal with the serial for unique	DATE COLLECTED	TIME	START	END	MATERIAL	TYPE	GROSS WEIGHT	NET WEIGHT	ANALYSIS	RESULTS	REMARKS	ANALYST	LABORATORY	COST	RECEIVED ON	RECEIVED BY	RECEIVED AT	
																			DATE
1	2024-01-23-02	4/11/23	10:05			GM	GM												
2	2024-01-23-02	4/11/23	10:15			GM	GM												
3	2024-01-23-02	4/11/23	10:15			GM	GM												
4	2024-01-23-02	4/11/23	10:15			GM	GM												
5	2024-01-23-02	4/11/23	10:15			GM	GM												
6	2024-01-23-02	4/11/23	10:15			GM	GM												
7	2024-01-23-02	4/11/23	10:15			GM	GM												
8	2024-01-23-02	4/11/23	10:15			GM	GM												
9	2024-01-23-02	4/11/23	10:15			GM	GM												
10	2024-01-23-02	4/11/23	10:15			GM	GM												
11	2024-01-23-02	4/11/23	10:15			GM	GM												
12	2024-01-23-02	4/11/23	10:15			GM	GM												
13	2024-01-23-02	4/11/23	10:15			GM	GM												
14	2024-01-23-02	4/11/23	10:15			GM	GM												
15	2024-01-23-02	4/11/23	10:15			GM	GM												
16	2024-01-23-02	4/11/23	10:15			GM	GM												
17	2024-01-23-02	4/11/23	10:15			GM	GM												
18	2024-01-23-02	4/11/23	10:15			GM	GM												
19	2024-01-23-02	4/11/23	10:15			GM	GM												
20	2024-01-23-02	4/11/23	10:15			GM	GM												
21	2024-01-23-02	4/11/23	10:15			GM	GM												
22	2024-01-23-02	4/11/23	10:15			GM	GM												
23	2024-01-23-02	4/11/23	10:15			GM	GM												
24	2024-01-23-02	4/11/23	10:15			GM	GM												
25	2024-01-23-02	4/11/23	10:15			GM	GM												
26	2024-01-23-02	4/11/23	10:15			GM	GM												
27	2024-01-23-02	4/11/23	10:15			GM	GM												
28	2024-01-23-02	4/11/23	10:15			GM	GM												
29	2024-01-23-02	4/11/23	10:15			GM	GM												
30	2024-01-23-02	4/11/23	10:15			GM	GM												
31	2024-01-23-02	4/11/23	10:15			GM	GM												
32	2024-01-23-02	4/11/23	10:15			GM	GM												
33	2024-01-23-02	4/11/23	10:15			GM	GM												
34	2024-01-23-02	4/11/23	10:15			GM	GM												
35	2024-01-23-02	4/11/23	10:15			GM	GM												
36	2024-01-23-02	4/11/23	10:15			GM	GM												
37	2024-01-23-02	4/11/23	10:15			GM	GM												
38	2024-01-23-02	4/11/23	10:15			GM	GM												
39	2024-01-23-02	4/11/23	10:15			GM	GM												
40	2024-01-23-02	4/11/23	10:15			GM	GM												
41	2024-01-23-02	4/11/23	10:15			GM	GM												
42	2024-01-23-02	4/11/23	10:15			GM	GM												
43	2024-01-23-02	4/11/23	10:15			GM	GM												
44	2024-01-23-02	4/11/23	10:15			GM	GM												
45	2024-01-23-02	4/11/23	10:15			GM	GM												
46	2024-01-23-02	4/11/23	10:15			GM	GM												
47	2024-01-23-02	4/11/23	10:15			GM	GM												
48	2024-01-23-02	4/11/23	10:15			GM	GM												
49	2024-01-23-02	4/11/23	10:15			GM	GM												
50	2024-01-23-02	4/11/23	10:15			GM	GM												

Signature of Sample Taker: Meredith Duncan Date: 4/11/23

Signature of Analyst: [Signature] Date: 4/11/23

Signature of Custodian: [Signature] Date: 4/11/23

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed three data packages from Pace Analytical for the analysis of water samples collected from February 8 to April 11, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Monitoring Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- SW-846 6010D – Inductively coupled plasma – atomic emission spectrometry (ICP – AES) – Zinc, calcium, iron, manganese, potassium, sodium, and magnesium
- SW-846 6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS) - Antimony
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Total Alkalinity, Bicarbonate, Carbonate

Data were reviewed and validated as described in the groundwater monitoring plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Thirty-three (33) groundwater samples, six (6) field blanks, and four (4) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a through 3e summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 1.4°C to 4°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exceptions:

SDG 92651771

- Chromium was detected in the method blank in batch 3939084 at a concentration of 0.0011 mg/L. No samples had reported values less than ten times the blank concentration; therefore, no qualifications were necessary.

SDG 92652194

- All method blank results were reported as not detected.

SDG 92652951

- All method blank results were reported as not detected.

SDG 92657598

- All method blank results were reported as not detected.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 92651771

- All field blank results were reported as not detected.

SDG 92652194

- Mercury was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration below the laboratory Reporting Limit (RL). Four samples (BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- TDS was detected in the field blank BOW-LF9-10-FB-13 (02/13/2023) at a concentration above the laboratory Reporting Limit (RL). Seven samples (BOW-GWA-39Z, BOW-GWA-40, BOW-GWA-41, BOW-GWA-41R, BOW-GWA-41R, BOW-GWA-41R, and BOW-GWA-41R) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92652951

- TDS was detected in the field blank BOW-LF1-2-FB-16 (02/16/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWA-2, BOW-GWA-2R, BOW-GWA-1, and BOW-LF1-2-FD-10) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Thallium was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). All associated samples were reported as not detected and since the bias is high, no qualification was necessary.
- TDS was detected in the field blank BOW-LF1-2-FB-17 (02/17/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-6RZ, BOW-GWA-3A, BOW-GWA-4RZ, and BOW-GWC-6) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Mercury was detected in the field blank BOW-LF1-2-FB-18 (02/20/2023) at a concentration above the laboratory Reporting Limit (RL). Four samples (BOW-GWC-10, BOW-GWC-11, BOW-GWC-10R, and BOW-GWC-11R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Arsenic was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations

greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

- Vanadium was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration above the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-9 and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Fluoride was detected in the field blank BOW-LF1-2-FB-19 (02/21/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-8RR and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Potassium was detected in the field blank BOW-LF1-2-FB-20 (02/22/2023) at a concentration below the laboratory Reporting Limit (RL). For associated samples with results reported at concentrations greater than 10 times the blank concentration, no qualification was necessary. Two samples (BOW-GWC-8RR and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

SDG 92657598

- All field blank results were reported as not detected.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- Alkalinity had a high MS percent recovery in the sample BOW-LF3-4-FB-11. However, because the bias was high and the parent sample result was non-detect, no qualification was necessary.

SDG 92652194

- All matrix spike recoveries were within laboratory limits.

SDG 92652951

- All matrix spike recoveries were within laboratory limits.

SDG 92657598

- All matrix spike recoveries were within laboratory limits.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria with the following exceptions:

SDG 92651771

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92652194

- TDS had high laboratory duplicate RPDs in samples BOW-LF9-10-FB-13, BOW-GWA-39RZ, and BOW-GWC-47. TDS in these samples has been qualified as estimated (“J”).

SDG 92652194

- All laboratory duplicate RPDs were within laboratory limits.

SDG 92657598

- All laboratory duplicate RPDs were within laboratory limits.

Field Precision

Five sets of field duplicate samples were collected for this sampling event (see Tables 3a – 3h for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified “A*”). All field duplicate precision was considered acceptable with the following exceptions:

- TDS in the duplicate pair BOW-LF9-10-FD-08/ BOW-GWA-40 was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).
- TDS in the duplicate pair BOW-LF3-4-FD-07/ BOW-GWC-20R was detected at levels greater than five times the RL and an RPD greater than 25%. TDS in both samples has been qualified as estimated (“J”).

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Bowen Groundwater Sampling Plan. September.

United States Environmental Protection Agency (USEPA), 2011. Region IV Data Validation Standard Operating Procedures. September.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

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Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-36A	92651771001	92651771	2/8/2023
BOW-GWA-36RA	92651771002	92651771	2/8/2023
BOW-GWA-37	92651771003	92651771	2/8/2023
BOW-GWA-38	92651771004	92651771	2/8/2023
BOW-GWC-18	92651771005	92651771	2/9/2023
BOW-GWC-18R	92651771006	92651771	2/9/2023
BOW-GWC-19R	92651771007	92651771	2/9/2023
BOW-GWC-21R	92651771008	92651771	2/9/2023
BOW-GWC-22R	92651771009	92651771	2/9/2023
BOW-GWC-24R	92651771010	92651771	2/9/2023
BOW-GWC-25R	92651771011	92651771	2/9/2023
BOW-LF3-4-FB-11	92651771012	92651771	2/9/2023
BOW-LF3-4-FD-06	92651771013	92651771	2/8/2023
BOW-LF3-4-FB-10	92651771014	92651771	2/8/2023
BOW-GWC-16R	92651771015	92651771	2/10/2023
BOW-GWC-17R	92651771016	92651771	2/10/2023
BOW-GWC-20R	92651771017	92651771	2/10/2023
BOW-GWC-23R	92651771018	92651771	2/10/2023
BOW-SPRING	92651771019	92651771	2/10/2023
BOW-LF3-4-FD-07	92651771020	92651771	2/10/2023
BOW-LF3-4-FB-12	92651771021	92651771	2/10/2023
BOW-GWA-39Z	92652194001	92652194	2/13/2023
BOW-GWA-40	92652194002	92652194	2/13/2023
BOW-GWA-41	92652194003	92652194	2/13/2023
BOW-GWA-41R	92652194004	92652194	2/13/2023
BOW-GWA-42	92652194005	92652194	2/13/2023
BOW-GWA-43R	92652194006	92652194	2/13/2023
BOW-LF9-10-FD-08	92652194007	92652194	2/13/2023
BOW-LF9-10-FB-13	92652194008	92652194	2/13/2023
BOW-GWA-39RZ	92652194009	92652194	2/14/2023
BOW-GWA-43	92652194010	92652194	2/14/2023
BOW-GWA-44	92652194011	92652194	2/14/2023
BOW-GWA-46R	92652194012	92652194	2/14/2023
BOW-GWA-49R	92652194013	92652194	2/14/2023
BOW-GWA-49Z	92652194014	92652194	2/14/2023
BOW-LF9-10-FB-14	92652194015	92652194	2/14/2023
BOW-LF9-10-EB-5	92652194016	92652194	2/14/2023
BOW-GWC-45	92652194017	92652194	2/14/2023
BOW-GWC-45R	92652194018	92652194	2/14/2023
BOW-GWC-47	92652194019	92652194	2/14/2023
BOW-GWC-47R	92652194020	92652194	2/14/2023
BOW-GWC-48	92652194021	92652194	2/14/2023

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Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-LF9-10-FD-09	92652194022	92652194	2/14/2023
BOW-LF9-10-FB-15	92652194023	92652194	2/14/2023
BOW-GWA-1	92652951001	92652951	2/16/2023
BOW-GWA-2	92652951002	92652951	2/16/2023
BOW-GWA-2R	92652951003	92652951	2/16/2023
BOW-GWA-50	92652951004	92652951	2/16/2023
BOW-GWA-50R	92652951006	92652951	2/16/2023
BOW-LF1-2-FD-10	92652951006	92652951	2/16/2023
BOW-LF1-2-FB-16	92652951007	92652951	2/16/2023
BOW-GWC-5	92652951008	92652951	2/20/2023
BOW-GWC-7Z	92652951009	92652951	2/20/2023
BOW-GWC-8Z	92652951010	92652951	2/20/2023
BOW-GWC-3A	92652951011	92652951	2/17/2023
BOW-GWC-4RZ	92652951012	92652951	2/17/2023
BOW-GWC-6	92652951013	92652951	2/17/2023
BOW-GW-6RZ	92652951014	92652951	2/17/2023
BOW-GWC-10	92652951015	92652951	2/20/2023
BOW-GWC-10R	92652951016	92652951	2/20/2023
BOW-GWC-11	92652951017	92652951	2/20/2023
BOW-GWC-11R	92652951018	92652951	2/20/2023
BOW-LF1-2-FD-11	92652951019	92652951	2/20/2023
BOW-LF1-2-FB-18	92652951020	92652951	2/20/2023
BOW-LF1-2-FB-17	92652951021	92652951	2/17/2023
BOW-GWC-8RR	92652951022	92652951	2/21/2023
BOW-GWC-9	92652951023	92652951	2/21/2023
BOW-GWC-12	92652951024	92652951	2/21/2023
BOW-LF1-2-FB-19	92652951025	92652951	2/21/2023
BOW-GWC-13	92652951026	92652951	2/22/2023
BOW-GWC-13RZ	92652951027	92652951	2/22/2023
BOW-GWC-14Z	92652951028	92652951	2/22/2023
BOW-GWC-15R	92652951029	92652951	2/22/2023
BOW-GWC-15Z	92652951030	92652951	2/22/2023
BOW-LF1-2-FB-20	92652951031	92652951	2/22/2023
BOW-LF1-2-FD-12	92652951032	92652951	2/22/2023
BOW-GWC-48	92657598001	92657598	3/16/2023
BOW-LF9-10-FD-01	92657598001	92657598	3/16/2023
BOW-LF9-10-FB-01	92657598001	92657598	3/16/2023
BOW-GWC-13	92661713001	92661713	4/11/2023
BOW-LF1-2-FD-02	92661713002	92661713	4/11/2023
BOW-LF1-2-FB02	92661713003	92661713	4/11/2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWA-39Z	TDS	J	Detected in FB
BOW-GWA-39RZ	TDS	J	High LD RPD
BOW-GWA-40	TDS	J	Detected in FB
BOW-GWA-41	Mercury	J	Detected in FB
BOW-GWA-41	TDS	J	Detected in FB
BOW-GWA-41R	Mercury	J	Detected in FB
BOW-GWA-41R	TDS	J	Detected in FB
BOW-LF9-10-FB-13	TDS	J	High LD RPD
BOW-GWC-47	TDS	J	High LD RPD
BOW-LF3-4-FD-07	TDS	J	High FD RPD
BOW-GWC-20R	TDS	J	High FD RPD
BOW-GWA-2	TDS	J	Detected in FB
BOW-GWA-2R	TDS	J	Detected in FB
BOW-GWA-1	TDS	J	Detected in FB
BOW-LF1-2-FD-10	TDS	J	Detected in FB
BOW-GWC-6RZ	TDS	J	Detected in FB
BOW-GWA-3A	TDS	J	Detected in FB
BOW-GWA-4RZ	TDS	J	Detected in FB
BOW-GWC-6	TDS	J	Detected in FB
BOW-GWC-10	Mercury	J	Detected in FB
BOW-GWC-11	Mercury	J	Detected in FB
BOW-GWC-10R	Mercury	J	Detected in FB
BOW-GWC-11R	Mercury	J	Detected in FB
BOW-GWC-9	Arsenic	J	Detected in FB
BOW-GWC-12	Arsenic	J	Detected in FB

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Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWC-9	Vanadium	J	Detected in FB
BOW-GWC-12	Vanadium	J	Detected in FB
BOW-GWC-8RR	Fluoride	J	Detected in FB
BOW-GWC-12	Fluoride	J	Detected in FB
BOW-LF9-10-FD-08	TDS	J	High FD RPD
BOW-GWA-40	TDS	J	High FD RPD
BOW-GWC-13	Potassium	J	Detected in FB
BOW-GWC-13RZ	Potassium	J	Detected in FB
BOW-GWC-14Z	Potassium	J	Detected in FB
BOW-GWC-15R	Potassium	J	Detected in FB
BOW-GWC-15Z	Potassium	J	Detected in FB

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

J+ – The analyte was detected in an associated blank; estimated data with a high bias.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

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Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF3-4-FD-06 / BOW-GWA-38	Calcium	1.3	1.30	0.0%	A
	Barium	0.013	0.0130	NC	A*
	Chromium	0.0012	0.00190	NC	A*
	Cobalt	0.001	0.00100	NC	A*
	Nickel	0.00091	0.000890	NC	A*
	Manganese	0.038	0.039	NC	A*
	Potassium	0.35	0.24	NC	A*
	Sodium	3.7	3.8	NC	A*
	Magnesium	0.46	0.48	NC	A*
	Total Dissolved Solids	31	48	NC	A*
	Chloride	0.9	3.50	NC	A*
	Sulfate	3.5	0.860	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF3-4-FD-07 / BOW-GWC-20R	Calcium	38.4	37.7	1.84%	A
	Barium	0.031	0.0310	0.0%	A
	Total Dissolved Solids	226	169	28.6%	J
	Alkalinity, Bicarbonate (CaCO ₃)	181	172	5.1%	A
	Alkalinity, Total as CaCO ₃	181	172	5.1%	A
	Chloride	2	2.00	NC	A*
	Potassium	0.65	0.66	NC	A*
	Sodium	2.1	2.1	NC	A*
	Magnesium	21.3	21.0	1.1%	A
	Fluoride	0.054	0.0530	NC	A*
	Sulfate	1.8	1.80	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

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Table 3c – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-08 / BOW-GWA-40	Calcium	18.4	19.0	3.21%	A
	Barium	0.0075	0.00720	NC	A*
	Total Dissolved Solids	259	169	42.06%	J
	Alkalinity, Bicarbonate (CaCO ₃)	102	98.0	4.0%	A
	Alkalinity, Total as CaCO ₃	102	98.0	4.0%	A
	Potassium	0.89	0.95	NC	A*
	Sodium	1.2	1.3	NC	A*
	Magnesium	9.6	9.9	2.1%	A
	Chloride	1.1	1.00	NC	A*
	Fluoride	0.054	0.053	NC	A*
	Sulfate	1.4	1.40	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3d – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-09 / BOW-GWC-47	Zinc	0.05	0.0500	NC	A*
	Calcium	20.5	20.2	1.47%	A
	Barium	0.0075	0.00800	NC	A*
	Chromium	0.0018	0.00150	NC	A*
	Total Dissolved Solids	111	96.9	NC	A*
	Alkalinity, Bicarbonate (CaCO ₃)	99.2	98.8	0.4%	A
	Alkalinity, Total as CaCO ₃	99.2	98.8	0.4%	A
	Iron	0.040 U	0.046	NC	A*
	Manganese	0.0061	0.0058	NC	A*
	Potassium	0.58	0.73	NC	A*
	Sodium	3.3	3.2	NC	A*
	Magnesium	11.0	10.8	0.75%	A
	Chloride	2	2	NC	A*
	Fluoride	0.064	0.0680	NC	A*
	Sulfate	4.3	4.20	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

Stantec
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 April 2023

NA – Not analyzed
 NC – Not calculated
 NQ – Not qualified

Table 3e – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-10 / BOW-GWA-50R	Calcium	0.81	0.81	NC	A*
	Barium	0.0081	0.008	NC	A*
	Copper	0.0028	0.0028	NC	A*
	Nickel	0.00081	0.00088	NC	A*
	Manganese	0.014	0.015	NC	A*
	Potassium	0.25	0.23	NC	A*
	Sodium	0.89	0.89	NC	A*
	Magnesium	0.33	0.34	2.4%	A
	Silver	0.0011	0.0010	NC	A*
	Chloride	0.71	0.74	NC	A*
	Sulfate	0.58	0.57	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3f – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-11 / BOW-GWC-11	Alkalinity, Total (as CaCO ₃)	38.3	37.9	1.05%	A
	Alkalinity, Bicarbonate (as CaCO ₃)	38.3	37.9	1.05%	A
	TDS	98	50	NC	A*
	Sulfate	1.7	1.7	NC	A*
	Chloride	1.2	1.2	NC	A*
	Calcium	7.4	7.3	1.36%	A
	Iron	0.029	0.026	NC	A*
	Manganese	0.020	0.026	NC	A*
	Potassium	0.64	0.51	NC	A*
	Sodium	3.9	3.8	NC	A*
	Magnesium	3.8	3.8	0.0%	A
	Barium	0.0071	0.0072	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less

Stantec
 Georgia Power – Bowen (Cells 1&2, 3&4, and 9&10)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
 April 2023

than 2X the RDL.
 J – Estimated detected.
 NA – Not analyzed
 NC – Not calculated
 NQ – Not qualified

Table 3g – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-12/ BOW-GWC-15Z	Calcium	24.4	24.7	1.22%	A
	Barium	0.01	0.01	NC	A*
	Total Alk	124	124	0.0%	A
	Alkalinity,Bicarbonate	124	124	0.0%	A
	TDS	111	112	NC	A*
	Potassium	0.89	0.99	NC	A*
	Sodium	2.0	2.3	NC	A*
	Magnesium	13.3	13.5	2.8%	A
	Chloride	0.83	0.82	NC	A*
	Sulfate	0.81	0.8	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3h – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF9-10-FD-1 / BOW-GWC-48	Chloride	5.4	5.4	0.0%	A
	Mercury	0.00045	0.00047	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 1&2, 3&4, and 9&10)
 Analytical Report Nos. 92651771, 92652194, 92652951, 92657598, 92661713
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Table 3i – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-LF1-2-FD-02/ BOW-GWC-13	TDS	120	127	6.2%	A

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified



August 15, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 9&10
Pace Project No.: 92679665

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between July 27, 2023 and July 31, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

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SAMPLE SUMMARY

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92679665001	BOW-GWA-39RZ	Water	07/25/23 16:25	07/27/23 14:52
92679665002	BOW-GWA-41	Water	07/25/23 14:44	07/27/23 14:52
92679665003	BOW-GWA-41R	Water	07/25/23 15:37	07/27/23 14:52
92679665004	BOW-GWA-43	Water	07/25/23 10:26	07/27/23 14:52
92679665005	BOW-GWA-43R	Water	07/25/23 12:15	07/27/23 14:52
92679665006	BOW-GWA-39Z	Water	07/26/23 11:38	07/27/23 14:52
92679665007	BOW-GWA-40	Water	07/26/23 13:05	07/27/23 14:52
92679665008	BOW-GWA-42	Water	07/26/23 15:10	07/27/23 14:52
92679665009	BOW-GWC-44	Water	07/26/23 13:24	07/27/23 14:52
92679665010	BOW-GWC-45	Water	07/26/23 12:36	07/27/23 14:52
92679665011	BOW-GWC-45R	Water	07/26/23 14:08	07/27/23 14:52
92679665012	BOW-GWC-46R	Water	07/26/23 14:43	07/27/23 14:52
92679665013	BOW-LF9-10-FD-01	Water	07/25/23 00:00	07/27/23 14:52
92679665014	BOW-LF9-10-FB-01	Water	07/25/23 16:35	07/27/23 14:52
92679665015	BOW-LF9-10-EB-01	Water	07/25/23 17:15	07/27/23 14:52
92679665016	BOW-GWC-48	Water	07/26/23 15:48	07/27/23 14:52
92679665017	BOW-LF9-10-FB-02	Water	07/26/23 15:44	07/27/23 14:52
92679665018	BOW-GWC-47	Water	07/27/23 11:55	07/31/23 13:46
92679665019	BOW-GWC-47R	Water	07/27/23 10:55	07/31/23 13:46
92679665020	BOW-GWC-49R	Water	07/27/23 10:27	07/31/23 13:46
92679665021	BOW-GWC-49Z	Water	07/27/23 11:40	07/31/23 13:46
92679665022	BOW-LF9-10-FD-02	Water	07/27/23 00:00	07/31/23 13:46
92679665023	BOW-LF9-10-FB-03	Water	07/27/23 15:20	07/31/23 13:46

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679665001	BOW-GWA-39RZ	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665002	BOW-GWA-41	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665003	BOW-GWA-41R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665004	BOW-GWA-43	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665005	BOW-GWA-43R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665006	BOW-GWA-39Z	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665007	BOW-GWA-40	EPA 6010D	MS	7

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679665008	BOW-GWA-42	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92679665009	BOW-GWC-44	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92679665010	BOW-GWC-45	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92679665011	BOW-GWC-45R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92679665012	BOW-GWC-46R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92679665013	BOW-LF9-10-FD-01	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679665014	BOW-LF9-10-FB-01	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92679665015	BOW-LF9-10-EB-01	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665016	BOW-GWC-48	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92679665017	BOW-LF9-10-FB-02	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92679665018	BOW-GWC-47	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665019	BOW-GWC-47R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679665020	BOW-GWC-49R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92679665021	BOW-GWC-49Z	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92679665022	BOW-LF9-10-FD-02	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679665023	BOW-LF9-10-FB-03	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679665001	BOW-GWA-39RZ					
EPA 6010D	Potassium	1.1	mg/L	0.50	08/08/23 02:00	B
EPA 6010D	Sodium	1.6	mg/L	1.0	08/08/23 02:00	
EPA 6010D	Calcium	35.7	mg/L	1.0	08/08/23 02:00	M1
EPA 6010D	Magnesium	18.7	mg/L	0.050	08/08/23 02:00	M1
EPA 6020B	Barium	0.014	mg/L	0.0050	08/05/23 15:42	
EPA 6020B	Lead	0.00014J	mg/L	0.0010	08/05/23 15:42	
SM 2540C-2015	Total Dissolved Solids	158	mg/L	25.0	07/31/23 11:37	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	08/03/23 12:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	08/03/23 12:25	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	07/31/23 22:03	
EPA 300.0 Rev 2.1 1993	Sulfate	4.9	mg/L	1.0	07/31/23 22:03	
92679665002	BOW-GWA-41					
EPA 6010D	Potassium	0.38J	mg/L	0.50	08/08/23 02:20	B
EPA 6010D	Sodium	0.82J	mg/L	1.0	08/08/23 02:20	
EPA 6010D	Calcium	10.8	mg/L	1.0	08/08/23 02:20	
EPA 6010D	Magnesium	5.4	mg/L	0.050	08/08/23 02:20	
EPA 6020B	Antimony	0.0029J	mg/L	0.0030	08/05/23 16:06	
EPA 6020B	Barium	0.018	mg/L	0.0050	08/05/23 16:06	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/05/23 16:06	
EPA 6020B	Nickel	0.00073J	mg/L	0.0050	08/05/23 16:06	
SM 2540C-2015	Total Dissolved Solids	43.0	mg/L	25.0	07/31/23 11:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	48.9	mg/L	5.0	08/03/23 12:35	
SM 2320B-2011	Alkalinity, Total as CaCO3	48.9	mg/L	5.0	08/03/23 12:35	
EPA 300.0 Rev 2.1 1993	Chloride	0.97J	mg/L	1.0	07/30/23 20:04	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	07/30/23 20:04	
92679665003	BOW-GWA-41R					
EPA 6010D	Iron	0.35	mg/L	0.040	08/08/23 17:37	
EPA 6010D	Manganese	0.42	mg/L	0.040	08/08/23 02:25	
EPA 6010D	Potassium	1.8	mg/L	0.50	08/08/23 02:25	B
EPA 6010D	Sodium	1.1	mg/L	1.0	08/08/23 02:25	
EPA 6010D	Calcium	36.7	mg/L	1.0	08/08/23 02:25	
EPA 6010D	Magnesium	19.1	mg/L	0.050	08/08/23 02:25	
EPA 6020B	Antimony	0.0021J	mg/L	0.0030	08/05/23 16:12	
EPA 6020B	Barium	0.023	mg/L	0.0050	08/05/23 16:12	
EPA 6020B	Boron	0.011J	mg/L	0.040	08/11/23 18:18	
EPA 6020B	Cobalt	0.00053J	mg/L	0.0050	08/05/23 16:12	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	25.0	07/31/23 11:38	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	08/03/23 12:42	
SM 2320B-2011	Alkalinity, Total as CaCO3	172	mg/L	5.0	08/03/23 12:42	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	07/31/23 22:19	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	07/31/23 22:19	
92679665004	BOW-GWA-43					
EPA 6010D	Manganese	0.021J	mg/L	0.040	08/08/23 02:39	
EPA 6010D	Potassium	0.39J	mg/L	0.50	08/08/23 02:39	B
EPA 6010D	Sodium	1.2	mg/L	1.0	08/08/23 02:39	
EPA 6010D	Calcium	2.2	mg/L	1.0	08/08/23 02:39	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679665004	BOW-GWA-43					
EPA 6010D	Magnesium	0.48	mg/L	0.050	08/08/23 02:39	
EPA 6010D	Iron	0.045	mg/L	0.040	08/08/23 17:43	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/05/23 16:18	
EPA 6020B	Lead	0.00018J	mg/L	0.0010	08/05/23 16:18	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	6.8	mg/L	5.0	08/03/23 12:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	6.8	mg/L	5.0	08/03/23 12:53	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	07/31/23 22:35	
92679665005	BOW-GWA-43R					
EPA 6010D	Potassium	0.45J	mg/L	0.50	08/08/23 02:44	B
EPA 6010D	Sodium	1.1	mg/L	1.0	08/08/23 02:44	
EPA 6010D	Calcium	34.2	mg/L	1.0	08/08/23 02:44	
EPA 6010D	Magnesium	19.1	mg/L	0.050	08/08/23 02:44	
EPA 6010D	Iron	0.099	mg/L	0.040	08/08/23 17:47	
EPA 6020B	Barium	0.0073	mg/L	0.0050	08/05/23 16:24	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/05/23 16:24	
SM 2540C-2015	Total Dissolved Solids	167	mg/L	25.0	07/31/23 11:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	08/03/23 12:58	
SM 2320B-2011	Alkalinity, Total as CaCO3	152	mg/L	5.0	08/03/23 12:58	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	07/31/23 22:50	
EPA 300.0 Rev 2.1 1993	Sulfate	2.6	mg/L	1.0	07/31/23 22:50	
92679665006	BOW-GWA-39Z					
EPA 6010D	Potassium	1.2	mg/L	0.50	08/08/23 02:49	B
EPA 6010D	Sodium	2.3	mg/L	1.0	08/08/23 02:49	
EPA 6010D	Calcium	12.5	mg/L	1.0	08/08/23 02:49	
EPA 6010D	Magnesium	6.7	mg/L	0.050	08/08/23 02:49	
EPA 6020B	Antimony	0.0028J	mg/L	0.0030	08/10/23 15:49	
EPA 6020B	Barium	0.016	mg/L	0.0050	08/10/23 15:49	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/10/23 15:49	
EPA 6020B	Nickel	0.0013J	mg/L	0.0050	08/10/23 15:49	
SM 2540C-2015	Total Dissolved Solids	57.0	mg/L	25.0	07/31/23 11:41	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	60.2	mg/L	5.0	08/03/23 13:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	60.2	mg/L	5.0	08/03/23 13:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	07/31/23 23:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	07/31/23 23:06	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	07/31/23 23:06	
92679665007	BOW-GWA-40					
EPA 6010D	Potassium	0.90	mg/L	0.50	08/08/23 02:54	B
EPA 6010D	Sodium	1.4	mg/L	1.0	08/08/23 02:54	
EPA 6010D	Calcium	18.0	mg/L	1.0	08/08/23 02:54	
EPA 6010D	Magnesium	9.8	mg/L	0.050	08/08/23 02:54	
EPA 6020B	Barium	0.0081	mg/L	0.0050	08/10/23 15:55	
EPA 6020B	Boron	0.0091J	mg/L	0.040	08/10/23 15:55	
SM 2540C-2015	Total Dissolved Solids	70.0	mg/L	25.0	07/31/23 11:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	86.2	mg/L	5.0	08/03/23 13:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	86.2	mg/L	5.0	08/03/23 13:54	
EPA 300.0 Rev 2.1 1993	Chloride	0.92J	mg/L	1.0	07/31/23 23:22	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679665007	BOW-GWA-40					
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	07/31/23 23:22	
92679665008	BOW-GWA-42					
EPA 6010D	Potassium	0.31J	mg/L	0.50	08/08/23 02:58	B
EPA 6010D	Sodium	1.2	mg/L	1.0	08/08/23 02:58	
EPA 6010D	Calcium	35.7	mg/L	1.0	08/08/23 02:58	
EPA 6010D	Magnesium	13.7	mg/L	0.050	08/08/23 02:58	
EPA 6020B	Barium	0.0064	mg/L	0.0050	08/10/23 16:00	
EPA 6020B	Beryllium	0.00019J	mg/L	0.00050	08/10/23 16:00	
EPA 6020B	Cadmium	0.00013J	mg/L	0.00050	08/10/23 16:00	
EPA 6020B	Nickel	0.0015J	mg/L	0.0050	08/10/23 16:00	
SM 2540C-2015	Total Dissolved Solids	134	mg/L	25.0	07/31/23 11:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	08/03/23 14:02	
SM 2320B-2011	Alkalinity, Total as CaCO3	146	mg/L	5.0	08/03/23 14:02	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	07/31/23 23:38	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	07/31/23 23:38	
92679665009	BOW-GWC-44					
EPA 6010D	Manganese	0.037J	mg/L	0.040	08/08/23 03:03	
EPA 6010D	Potassium	0.80	mg/L	0.50	08/08/23 03:03	B
EPA 6010D	Sodium	2.1	mg/L	1.0	08/08/23 03:03	
EPA 6010D	Calcium	3.6	mg/L	1.0	08/08/23 03:03	
EPA 6010D	Magnesium	0.83	mg/L	0.050	08/08/23 03:03	
EPA 6020B	Arsenic	0.0038J	mg/L	0.0050	08/10/23 16:06	
EPA 6020B	Barium	0.020	mg/L	0.0050	08/10/23 16:06	
EPA 6020B	Beryllium	0.000057J	mg/L	0.00050	08/10/23 16:06	
EPA 6020B	Cobalt	0.0015J	mg/L	0.0050	08/10/23 16:06	
EPA 6020B	Lead	0.00020J	mg/L	0.0010	08/10/23 16:06	
EPA 6020B	Vanadium	0.0026J	mg/L	0.010	08/10/23 16:06	
SM 2540C-2015	Total Dissolved Solids	32.0	mg/L	25.0	07/31/23 11:42	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	07/31/23 23:54	
EPA 300.0 Rev 2.1 1993	Sulfate	8.1	mg/L	1.0	07/31/23 23:54	
92679665010	BOW-GWC-45					
EPA 6010D	Manganese	0.030J	mg/L	0.040	08/08/23 03:08	
EPA 6010D	Potassium	0.48J	mg/L	0.50	08/08/23 03:08	B
EPA 6010D	Sodium	1.5	mg/L	1.0	08/08/23 03:08	
EPA 6010D	Calcium	0.97J	mg/L	1.0	08/08/23 03:08	
EPA 6010D	Magnesium	0.65	mg/L	0.050	08/08/23 03:08	
EPA 6020B	Antimony	0.013	mg/L	0.0030	08/10/23 16:12	
EPA 6020B	Arsenic	0.0038J	mg/L	0.0050	08/10/23 16:12	
EPA 6020B	Barium	0.0070	mg/L	0.0050	08/10/23 16:12	
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	08/10/23 16:12	
EPA 6020B	Nickel	0.0012J	mg/L	0.0050	08/10/23 16:12	
EPA 6020B	Vanadium	0.0026J	mg/L	0.010	08/10/23 16:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.99J	mg/L	1.0	08/01/23 00:09	
EPA 300.0 Rev 2.1 1993	Sulfate	0.74J	mg/L	1.0	08/01/23 00:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679665011	BOW-GWC-45R					
EPA 6010D	Iron	0.080	mg/L	0.040	08/08/23 17:52	
EPA 6010D	Potassium	0.96	mg/L	0.50	08/08/23 03:13	B
EPA 6010D	Sodium	1.5	mg/L	1.0	08/08/23 03:13	
EPA 6010D	Calcium	45.7	mg/L	1.0	08/08/23 03:13	
EPA 6010D	Magnesium	24.8	mg/L	0.050	08/08/23 03:13	
EPA 6020B	Barium	0.022	mg/L	0.0050	08/10/23 16:18	
EPA 6020B	Boron	0.0088J	mg/L	0.040	08/10/23 16:18	
SM 2540C-2015	Total Dissolved Solids	186	mg/L	25.0	07/31/23 11:42	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	191	mg/L	5.0	08/03/23 14:20	
SM 2320B-2011	Alkalinity, Total as CaCO3	191	mg/L	5.0	08/03/23 14:20	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	08/01/23 00:57	
EPA 300.0 Rev 2.1 1993	Sulfate	3.5	mg/L	1.0	08/01/23 00:57	
92679665012	BOW-GWC-46R					
EPA 6010D	Potassium	2.7	mg/L	0.50	08/08/23 03:18	
EPA 6010D	Sodium	15.7	mg/L	1.0	08/08/23 03:18	
EPA 6010D	Calcium	37.7	mg/L	1.0	08/08/23 03:18	
EPA 6010D	Magnesium	20.9	mg/L	0.050	08/08/23 03:18	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/10/23 16:24	
EPA 6020B	Chromium	0.0073	mg/L	0.0050	08/10/23 16:24	
SM 2540C-2015	Total Dissolved Solids	206	mg/L	25.0	07/31/23 11:43	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	200	mg/L	5.0	08/03/23 14:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	200	mg/L	5.0	08/03/23 14:32	
EPA 300.0 Rev 2.1 1993	Chloride	3.9	mg/L	1.0	08/01/23 01:44	
EPA 300.0 Rev 2.1 1993	Sulfate	4.0	mg/L	1.0	08/01/23 01:44	
92679665013	BOW-LF9-10-FD-01					
EPA 6010D	Manganese	0.42	mg/L	0.040	08/08/23 03:23	
EPA 6010D	Potassium	1.6	mg/L	0.50	08/08/23 03:23	B
EPA 6010D	Sodium	1.2	mg/L	1.0	08/08/23 03:23	
EPA 6010D	Calcium	38.5	mg/L	1.0	08/08/23 03:23	
EPA 6010D	Magnesium	19.7	mg/L	0.050	08/08/23 03:23	
EPA 6010D	Iron	0.30	mg/L	0.040	08/08/23 17:57	
EPA 6020B	Arsenic	0.0040J	mg/L	0.0050	08/10/23 16:30	
EPA 6020B	Barium	0.022	mg/L	0.0050	08/10/23 16:30	
EPA 6020B	Boron	0.011J	mg/L	0.040	08/10/23 16:30	
EPA 6020B	Cobalt	0.00047J	mg/L	0.0050	08/10/23 16:30	
SM 2540C-2015	Total Dissolved Solids	163	mg/L	25.0	07/31/23 11:39	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	174	mg/L	5.0	08/03/23 13:08	
SM 2320B-2011	Alkalinity, Total as CaCO3	174	mg/L	5.0	08/03/23 13:08	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/01/23 02:00	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	08/01/23 02:00	
92679665014	BOW-LF9-10-FB-01					
EPA 6010D	Potassium	0.20J	mg/L	0.50	08/08/23 03:37	B
EPA 6020B	Arsenic	0.0041J	mg/L	0.0050	08/10/23 16:36	
92679665015	BOW-LF9-10-EB-01					
EPA 6020B	Arsenic	0.0042J	mg/L	0.0050	08/10/23 16:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679665016	BOW-GWC-48					
EPA 6010D	Manganese	0.32	mg/L	0.040	08/08/23 03:47	
EPA 6010D	Zinc	0.012J	mg/L	0.020	08/08/23 03:47	
EPA 6010D	Potassium	0.30J	mg/L	0.50	08/08/23 03:47	B
EPA 6010D	Sodium	3.8	mg/L	1.0	08/08/23 03:47	
EPA 6010D	Calcium	3.8	mg/L	1.0	08/08/23 03:47	
EPA 6010D	Magnesium	2.0	mg/L	0.050	08/08/23 03:47	
EPA 6020B	Barium	0.048	mg/L	0.0050	08/10/23 18:13	
EPA 6020B	Beryllium	0.00048J	mg/L	0.00050	08/11/23 18:24	
EPA 6020B	Cadmium	0.00033J	mg/L	0.00050	08/10/23 18:13	
EPA 6020B	Chromium	0.0020J	mg/L	0.0050	08/10/23 18:13	
EPA 6020B	Cobalt	0.0029J	mg/L	0.0050	08/10/23 18:13	
EPA 6020B	Nickel	0.0075	mg/L	0.0050	08/10/23 18:13	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	08/10/23 18:13	
EPA 6020B	Vanadium	0.0028J	mg/L	0.010	08/10/23 18:13	
EPA 7470A	Mercury	0.00064	mg/L	0.00020	08/03/23 17:23	
SM 2540C-2015	Total Dissolved Solids	33.0	mg/L	25.0	08/01/23 17:07	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	6.4	mg/L	5.0	08/03/23 14:44	
SM 2320B-2011	Alkalinity, Total as CaCO3	6.4	mg/L	5.0	08/03/23 14:44	
EPA 300.0 Rev 2.1 1993	Chloride	6.4	mg/L	1.0	08/01/23 02:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	08/01/23 02:48	
EPA 300.0 Rev 2.1 1993	Sulfate	5.3	mg/L	1.0	08/01/23 02:48	
92679665017	BOW-LF9-10-FB-02					
EPA 6020B	Arsenic	0.0041J	mg/L	0.0050	08/10/23 18:19	
EPA 6020B	Vanadium	0.0027J	mg/L	0.010	08/10/23 18:19	
92679665018	BOW-GWC-47					
EPA 6010D	Potassium	0.71	mg/L	0.50	08/09/23 20:04	
EPA 6010D	Sodium	3.0	mg/L	1.0	08/09/23 20:04	
EPA 6010D	Zinc	0.049	mg/L	0.020	08/09/23 03:56	
EPA 6010D	Calcium	17.3	mg/L	1.0	08/09/23 03:56	
EPA 6010D	Magnesium	9.5	mg/L	0.050	08/09/23 03:56	
EPA 6020B	Barium	0.0083	mg/L	0.0050	08/10/23 18:55	
EPA 6020B	Beryllium	0.000059J	mg/L	0.00050	08/10/23 18:55	L1,M0
EPA 6020B	Boron	0.012J	mg/L	0.040	08/10/23 18:55	
EPA 6020B	Cadmium	0.00017J	mg/L	0.00050	08/10/23 18:55	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	08/10/23 18:55	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	08/10/23 18:55	
SM 2540C-2015	Total Dissolved Solids	105	mg/L	25.0	08/01/23 17:10	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	96.6	mg/L	5.0	08/03/23 21:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	96.6	mg/L	5.0	08/03/23 21:43	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/01/23 18:59	
EPA 300.0 Rev 2.1 1993	Sulfate	5.0	mg/L	1.0	08/01/23 18:59	
92679665019	BOW-GWC-47R					
EPA 6010D	Potassium	1.8	mg/L	0.50	08/09/23 20:09	
EPA 6010D	Sodium	2.6	mg/L	1.0	08/09/23 20:09	
EPA 6010D	Zinc	0.024	mg/L	0.020	08/09/23 04:01	
EPA 6010D	Calcium	27.9	mg/L	1.0	08/09/23 04:01	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679665019	BOW-GWC-47R					
EPA 6010D	Magnesium	13.8	mg/L	0.050	08/09/23 04:01	
EPA 6020B	Antimony	0.0048	mg/L	0.0030	08/10/23 19:18	
EPA 6020B	Arsenic	0.0039J	mg/L	0.0050	08/10/23 19:18	B
EPA 6020B	Barium	0.0076	mg/L	0.0050	08/10/23 19:18	
EPA 6020B	Boron	0.019J	mg/L	0.040	08/10/23 19:18	
EPA 6020B	Chromium	0.0028J	mg/L	0.0050	08/10/23 19:18	
EPA 6020B	Thallium	0.00020J	mg/L	0.0010	08/10/23 19:18	
SM 2540C-2015	Total Dissolved Solids	154	mg/L	25.0	08/01/23 17:11	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	143	mg/L	5.0	08/03/23 21:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	143	mg/L	5.0	08/03/23 21:51	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	08/01/23 19:14	
EPA 300.0 Rev 2.1 1993	Sulfate	10.9	mg/L	1.0	08/01/23 19:14	
92679665020	BOW-GWC-49R					
EPA 6010D	Potassium	0.70	mg/L	0.50	08/09/23 20:14	
EPA 6010D	Sodium	1.5	mg/L	1.0	08/09/23 20:14	
EPA 6010D	Calcium	21.8	mg/L	1.0	08/09/23 04:06	
EPA 6010D	Magnesium	11.6	mg/L	0.050	08/09/23 04:06	
EPA 6020B	Antimony	0.0017J	mg/L	0.0030	08/10/23 19:24	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/10/23 19:24	
SM 2540C-2015	Total Dissolved Solids	117	mg/L	25.0	08/01/23 17:11	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	126	mg/L	5.0	08/03/23 22:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	126	mg/L	5.0	08/03/23 22:10	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	08/01/23 19:30	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	08/01/23 19:30	
92679665021	BOW-GWC-49Z					
EPA 6010D	Potassium	0.42J	mg/L	0.50	08/09/23 20:28	
EPA 6010D	Sodium	2.1	mg/L	1.0	08/09/23 20:28	
EPA 6010D	Manganese	0.029J	mg/L	0.040	08/09/23 04:11	
EPA 6010D	Calcium	0.61J	mg/L	1.0	08/09/23 04:11	
EPA 6010D	Magnesium	0.28	mg/L	0.050	08/09/23 04:11	
EPA 6020B	Arsenic	0.0044J	mg/L	0.0050	08/10/23 19:30	B
EPA 6020B	Barium	0.0036J	mg/L	0.0050	08/10/23 19:30	
EPA 6020B	Cobalt	0.00044J	mg/L	0.0050	08/10/23 19:30	
EPA 6020B	Nickel	0.0017J	mg/L	0.0050	08/10/23 19:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	08/01/23 19:45	
EPA 300.0 Rev 2.1 1993	Sulfate	0.97J	mg/L	1.0	08/01/23 19:45	
92679665022	BOW-LF9-10-FD-02					
EPA 6010D	Calcium	22.0	mg/L	1.0	08/09/23 04:15	
EPA 6010D	Magnesium	11.7	mg/L	0.050	08/09/23 04:15	
EPA 6010D	Potassium	0.63	mg/L	0.50	08/09/23 20:33	
EPA 6010D	Sodium	1.4	mg/L	1.0	08/09/23 20:33	
EPA 6020B	Antimony	0.0016J	mg/L	0.0030	08/10/23 19:54	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/10/23 19:54	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	25.0	08/01/23 17:12	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	127	mg/L	5.0	08/03/23 22:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	127	mg/L	5.0	08/03/23 22:34	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679665022	BOW-LF9-10-FD-02					
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	08/01/23 20:01	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	08/01/23 20:01	
92679665023	BOW-LF9-10-FB-03					
EPA 6020B	Arsenic	0.0042J	mg/L	0.0050	08/10/23 20:00	B

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-39RZ		Lab ID: 92679665001		Collected: 07/25/23 16:25		Received: 07/27/23 14:52		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:00	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:00	7440-66-6		
Potassium	1.1	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:00	7440-09-7	B	
Sodium	1.6	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:00	7440-23-5		
Calcium	35.7	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:00	7440-70-2	M1	
Magnesium	18.7	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:00	7439-95-4	M1	
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 16:55	7439-89-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/05/23 15:42	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/05/23 15:42	7440-38-2		
Barium	0.014	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/05/23 15:42	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/11/23 18:12	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/11/23 18:12	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/05/23 15:42	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/05/23 15:42	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/05/23 15:42	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/05/23 15:42	7440-50-8		
Lead	0.00014J	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/05/23 15:42	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/05/23 15:42	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/05/23 15:42	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/05/23 15:42	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/05/23 15:42	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/05/23 15:42	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:25	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	158	mg/L	25.0	25.0	1		07/31/23 11:37			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	5.0	1		08/03/23 12:25			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 12:25			
Alkalinity, Total as CaCO3	150	mg/L	5.0	5.0	1		08/03/23 12:25			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.7	mg/L	1.0	0.60	1		07/31/23 22:03	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 22:03	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-39RZ Lab ID: 92679665001 Collected: 07/25/23 16:25 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	4.9	mg/L	1.0	0.50	1		07/31/23 22:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-41		Lab ID: 92679665002		Collected: 07/25/23 14:44		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:20	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:20	7440-66-6	
Potassium	0.38J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:20	7440-09-7	B
Sodium	0.82J	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:20	7440-23-5	
Calcium	10.8	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:20	7440-70-2	
Magnesium	5.4	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:20	7439-95-4	
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 17:09	7439-89-6	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0029J	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/05/23 16:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/05/23 16:06	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/05/23 16:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/05/23 16:06	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/05/23 16:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/05/23 16:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/05/23 16:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/05/23 16:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/05/23 16:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/05/23 16:06	7439-92-1	
Nickel	0.00073J	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/05/23 16:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/05/23 16:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/05/23 16:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/05/23 16:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/05/23 16:06	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:28	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	43.0	mg/L	25.0	25.0	1		07/31/23 11:38		
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	48.9	mg/L	5.0	5.0	1		08/03/23 12:35		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 12:35		
Alkalinity, Total as CaCO3	48.9	mg/L	5.0	5.0	1		08/03/23 12:35		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.97J	mg/L	1.0	0.60	1		07/30/23 20:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/30/23 20:04	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-41		Lab ID: 92679665002		Collected: 07/25/23 14:44		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.1	mg/L	1.0	0.50	1		07/30/23 20:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-41R Lab ID: 92679665003 Collected: 07/25/23 15:37 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.35	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 17:37	7439-89-6	
Manganese	0.42	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:25	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:25	7440-66-6	
Potassium	1.8	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:25	7440-09-7	B
Sodium	1.1	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:25	7440-23-5	
Calcium	36.7	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:25	7440-70-2	
Magnesium	19.1	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:25	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0021J	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/05/23 16:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/05/23 16:12	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/05/23 16:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/11/23 18:18	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/11/23 18:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/05/23 16:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/05/23 16:12	7440-47-3	
Cobalt	0.00053J	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/05/23 16:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/05/23 16:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/05/23 16:12	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/05/23 16:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/05/23 16:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/05/23 16:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/05/23 16:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/05/23 16:12	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	162	mg/L	25.0	25.0	1		07/31/23 11:38		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	172	mg/L	5.0	5.0	1		08/03/23 12:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 12:42		
Alkalinity, Total as CaCO3	172	mg/L	5.0	5.0	1		08/03/23 12:42		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		07/31/23 22:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 22:19	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-41R		Lab ID: 92679665003		Collected: 07/25/23 15:37		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	3.0	mg/L	1.0	0.50	1		07/31/23 22:19	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-43		Lab ID: 92679665004		Collected: 07/25/23 10:26		Received: 07/27/23 14:52		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Manganese	0.021J	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:39	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:39	7440-66-6		
Potassium	0.39J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:39	7440-09-7	B	
Sodium	1.2	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:39	7440-23-5		
Calcium	2.2	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:39	7440-70-2		
Magnesium	0.48	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:39	7439-95-4		
Iron	0.045	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 17:43	7439-89-6		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/05/23 16:18	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/05/23 16:18	7440-38-2		
Barium	0.012	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/05/23 16:18	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/05/23 16:18	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/05/23 16:18	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/05/23 16:18	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/05/23 16:18	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/05/23 16:18	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/05/23 16:18	7440-50-8		
Lead	0.00018J	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/05/23 16:18	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/05/23 16:18	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/05/23 16:18	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/05/23 16:18	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/05/23 16:18	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/05/23 16:18	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:46	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/31/23 11:39			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	6.8	mg/L	5.0	5.0	1		08/03/23 12:53			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 12:53			
Alkalinity, Total as CaCO3	6.8	mg/L	5.0	5.0	1		08/03/23 12:53			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.4	mg/L	1.0	0.60	1		07/31/23 22:35	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 22:35	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-43 Lab ID: 92679665004 Collected: 07/25/23 10:26 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		07/31/23 22:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-43R Lab ID: 92679665005 Collected: 07/25/23 12:15 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:44	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:44	7440-66-6	
Potassium	0.45J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:44	7440-09-7	B
Sodium	1.1	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:44	7440-23-5	
Calcium	34.2	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:44	7440-70-2	
Magnesium	19.1	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:44	7439-95-4	
Iron	0.099	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 17:47	7439-89-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/05/23 16:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/05/23 16:24	7440-38-2	
Barium	0.0073	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/05/23 16:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/05/23 16:24	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/05/23 16:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/05/23 16:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/05/23 16:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/05/23 16:24	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/05/23 16:24	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/05/23 16:24	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/05/23 16:24	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/05/23 16:24	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/05/23 16:24	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/05/23 16:24	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/05/23 16:24	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:49	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	167	mg/L	25.0	25.0	1		07/31/23 11:39		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	5.0	1		08/03/23 12:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 12:58		
Alkalinity, Total as CaCO3	152	mg/L	5.0	5.0	1		08/03/23 12:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		07/31/23 22:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 22:50	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-43R Lab ID: 92679665005 Collected: 07/25/23 12:15 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.6	mg/L	1.0	0.50	1		07/31/23 22:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-39Z Lab ID: 92679665006 Collected: 07/26/23 11:38 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 02:49	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:49	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:49	7440-66-6	
Potassium	1.2	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:49	7440-09-7	B
Sodium	2.3	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:49	7440-23-5	
Calcium	12.5	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:49	7440-70-2	
Magnesium	6.7	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0028J	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 15:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 15:49	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 15:49	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 15:49	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 15:49	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 15:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 15:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 15:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 15:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 15:49	7439-92-1	
Nickel	0.0013J	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 15:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 15:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 15:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 15:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 15:49	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	57.0	mg/L	25.0	25.0	1		07/31/23 11:41		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	60.2	mg/L	5.0	5.0	1		08/03/23 13:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:46		
Alkalinity, Total as CaCO3	60.2	mg/L	5.0	5.0	1		08/03/23 13:46		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		07/31/23 23:06	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		07/31/23 23:06	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-39Z Lab ID: 92679665006 Collected: 07/26/23 11:38 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.5	mg/L	1.0	0.50	1		07/31/23 23:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-40		Lab ID: 92679665007		Collected: 07/26/23 13:05		Received: 07/27/23 14:52		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 02:54	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:54	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:54	7440-66-6		
Potassium	0.90	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:54	7440-09-7	B	
Sodium	1.4	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:54	7440-23-5		
Calcium	18.0	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:54	7440-70-2		
Magnesium	9.8	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:54	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 15:55	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 15:55	7440-38-2		
Barium	0.0081	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 15:55	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 15:55	7440-41-7		
Boron	0.0091J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 15:55	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 15:55	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 15:55	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 15:55	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 15:55	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 15:55	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 15:55	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 15:55	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 15:55	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 15:55	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 15:55	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:54	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	70.0	mg/L	25.0	25.0	1		07/31/23 11:42			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	86.2	mg/L	5.0	5.0	1		08/03/23 13:54			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:54			
Alkalinity, Total as CaCO3	86.2	mg/L	5.0	5.0	1		08/03/23 13:54			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	0.92J	mg/L	1.0	0.60	1		07/31/23 23:22	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 23:22	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-40		Lab ID: 92679665007		Collected: 07/26/23 13:05		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Sulfate	1.4	mg/L	1.0	0.50	1		07/31/23 23:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-42		Lab ID: 92679665008		Collected: 07/26/23 15:10		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 02:58	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 02:58	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 02:58	7440-66-6	
Potassium	0.31J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 02:58	7440-09-7	B
Sodium	1.2	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 02:58	7440-23-5	
Calcium	35.7	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 02:58	7440-70-2	
Magnesium	13.7	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 02:58	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:00	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:00	7440-39-3	
Beryllium	0.00019J	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:00	7440-42-8	
Cadmium	0.00013J	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:00	7439-92-1	
Nickel	0.0015J	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:00	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:56	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	134	mg/L	25.0	25.0	1		07/31/23 11:42		
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	5.0	1		08/03/23 14:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:02		
Alkalinity, Total as CaCO3	146	mg/L	5.0	5.0	1		08/03/23 14:02		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.9	mg/L	1.0	0.60	1		07/31/23 23:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 23:38	16984-48-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWA-42 Lab ID: 92679665008 Collected: 07/26/23 15:10 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.1	mg/L	1.0	0.50	1		07/31/23 23:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-44 Lab ID: 92679665009 Collected: 07/26/23 13:24 Received: 07/27/23 14:52 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:03	7439-89-6	
Manganese	0.037J	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:03	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:03	7440-66-6	
Potassium	0.80	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:03	7440-09-7	B
Sodium	2.1	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:03	7440-23-5	
Calcium	3.6	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:03	7440-70-2	
Magnesium	0.83	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:03	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:06	7440-36-0	
Arsenic	0.0038J	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:06	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:06	7440-39-3	
Beryllium	0.000057J	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:06	7440-47-3	
Cobalt	0.0015J	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:06	7440-50-8	
Lead	0.00020J	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:06	7440-28-0	
Vanadium	0.0026J	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 16:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	32.0	mg/L	25.0	25.0	1		07/31/23 11:42		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:11		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 14:11		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		07/31/23 23:54	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		07/31/23 23:54	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-44		Lab ID: 92679665009		Collected: 07/26/23 13:24		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	8.1	mg/L	1.0	0.50	1		07/31/23 23:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-45 **Lab ID: 92679665010** Collected: 07/26/23 12:36 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:08	7439-89-6	
Manganese	0.030J	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:08	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:08	7440-66-6	
Potassium	0.48J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:08	7440-09-7	B
Sodium	1.5	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:08	7440-23-5	
Calcium	0.97J	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:08	7440-70-2	
Magnesium	0.65	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:08	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.013	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:12	7440-36-0	
Arsenic	0.0038J	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:12	7440-38-2	
Barium	0.0070	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:12	7440-47-3	
Cobalt	0.0013J	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:12	7439-92-1	
Nickel	0.0012J	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:12	7440-28-0	
Vanadium	0.0026J	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:12	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:02	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/31/23 11:42		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:15		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 14:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.99J	mg/L	1.0	0.60	1		08/01/23 00:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 00:09	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-45		Lab ID: 92679665010		Collected: 07/26/23 12:36		Received: 07/27/23 14:52		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Sulfate	0.74J	mg/L	1.0	0.50	1		08/01/23 00:09	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-45R Lab ID: 92679665011 Collected: 07/26/23 14:08 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	0.080	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 17:52	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:13	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:13	7440-66-6	
Potassium	0.96	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:13	7440-09-7	B
Sodium	1.5	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:13	7440-23-5	
Calcium	45.7	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:13	7440-70-2	
Magnesium	24.8	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:13	7439-95-4	

6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:18	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:18	7440-41-7	
Boron	0.0088J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:18	7440-62-2	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:04	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	186	mg/L	25.0	25.0	1		07/31/23 11:42		
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2320B Alkalinity Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	191	mg/L	5.0	5.0	1		08/03/23 14:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:20		
Alkalinity, Total as CaCO3	191	mg/L	5.0	5.0	1		08/03/23 14:20		

300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.2	mg/L	1.0	0.60	1		08/01/23 00:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 00:57	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-45R **Lab ID: 92679665011** Collected: 07/26/23 14:08 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	3.5	mg/L	1.0	0.50	1		08/01/23 00:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-46R		Lab ID: 92679665012		Collected: 07/26/23 14:43		Received: 07/27/23 14:52		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:18	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:18	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:18	7440-66-6		
Potassium	2.7	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:18	7440-09-7		
Sodium	15.7	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:18	7440-23-5		
Calcium	37.7	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:18	7440-70-2		
Magnesium	20.9	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:18	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:24	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:24	7440-38-2		
Barium	0.011	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:24	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:24	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:24	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:24	7440-43-9		
Chromium	0.0073	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:24	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:24	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:24	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:24	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:24	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:24	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:24	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:24	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:24	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:12	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	206	mg/L	25.0	25.0	1		07/31/23 11:43			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	200	mg/L	5.0	5.0	1		08/03/23 14:32			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:32			
Alkalinity, Total as CaCO3	200	mg/L	5.0	5.0	1		08/03/23 14:32			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	3.9	mg/L	1.0	0.60	1		08/01/23 01:44	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 01:44	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-46R Lab ID: 92679665012 Collected: 07/26/23 14:43 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	4.0	mg/L	1.0	0.50	1		08/01/23 01:44	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FD-01 Lab ID: 92679665013 Collected: 07/25/23 00:00 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Manganese	0.42	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:23	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:23	7440-66-6	
Potassium	1.6	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:23	7440-09-7	B
Sodium	1.2	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:23	7440-23-5	
Calcium	38.5	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:23	7440-70-2	
Magnesium	19.7	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:23	7439-95-4	
Iron	0.30	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 17:57	7439-89-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:30	7440-36-0	
Arsenic	0.0040J	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:30	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:30	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:30	7440-47-3	
Cobalt	0.00047J	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:30	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:30	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	163	mg/L	25.0	25.0	1		07/31/23 11:39		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	174	mg/L	5.0	5.0	1		08/03/23 13:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:08		
Alkalinity, Total as CaCO3	174	mg/L	5.0	5.0	1		08/03/23 13:08		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		08/01/23 02:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 02:00	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FD-01 Lab ID: 92679665013 Collected: 07/25/23 00:00 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	3.0	mg/L	1.0	0.50	1		08/01/23 02:00	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FB-01 Lab ID: 92679665014 Collected: 07/25/23 16:35 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:37	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:37	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:37	7440-66-6	
Potassium	0.20J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:37	7440-09-7	B
Sodium	ND	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:37	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:37	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:37	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:36	7440-36-0	
Arsenic	0.0041J	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:36	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:36	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/31/23 11:39		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:19		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 13:19		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/01/23 02:16	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 02:16	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FB-01 Lab ID: 92679665014 Collected: 07/25/23 16:35 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/01/23 02:16	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-EB-01 **Lab ID: 92679665015** Collected: 07/25/23 17:15 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:42	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:42	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:42	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:42	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:42	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:42	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 16:42	7440-36-0	
Arsenic	0.0042J	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 16:42	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 16:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 16:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 16:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 16:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 16:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 16:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 16:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 16:42	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 16:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 16:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 16:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 16:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 16:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/31/23 11:40		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 13:33		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 13:33		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/01/23 02:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 02:32	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-EB-01 Lab ID: 92679665015 Collected: 07/25/23 17:15 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/01/23 02:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-48 Lab ID: 92679665016 Collected: 07/26/23 15:48 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:47	7439-89-6	
Manganese	0.32	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:47	7439-96-5	
Zinc	0.012J	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:47	7440-66-6	
Potassium	0.30J	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:47	7440-09-7	B
Sodium	3.8	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:47	7440-23-5	
Calcium	3.8	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:47	7440-70-2	
Magnesium	2.0	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:47	7439-95-4	

6020 MET ICPMS Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 18:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/11/23 18:24	7440-38-2	
Barium	0.048	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 18:13	7440-39-3	
Beryllium	0.00048J	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/11/23 18:24	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 18:13	7440-42-8	
Cadmium	0.00033J	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 18:13	7440-43-9	
Chromium	0.0020J	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 18:13	7440-47-3	
Cobalt	0.0029J	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 18:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 18:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 18:13	7439-92-1	
Nickel	0.0075	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 18:13	7440-02-0	
Selenium	0.0016J	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 18:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 18:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 18:13	7440-28-0	
Vanadium	0.0028J	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 18:13	7440-62-2	

7470 Mercury Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00064	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:23	7439-97-6	
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2540C Total Dissolved Solids Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	33.0	mg/L	25.0	25.0	1		08/01/23 17:07		D6
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2320B Alkalinity Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	6.4	mg/L	5.0	5.0	1		08/03/23 14:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:44		
Alkalinity, Total as CaCO3	6.4	mg/L	5.0	5.0	1		08/03/23 14:44		

300.0 IC Anions 28 Days Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	6.4	mg/L	1.0	0.60	1		08/01/23 02:48	16887-00-6	
Fluoride	0.068J	mg/L	0.10	0.050	1		08/01/23 02:48	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-48 **Lab ID: 92679665016** Collected: 07/26/23 15:48 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	5.3	mg/L	1.0	0.50	1		08/01/23 02:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FB-02 Lab ID: 92679665017 Collected: 07/26/23 15:44 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	07/28/23 11:33	08/08/23 03:51	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	07/28/23 11:33	08/08/23 03:51	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	07/28/23 11:33	08/08/23 03:51	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	07/28/23 11:33	08/08/23 03:51	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	07/28/23 11:33	08/08/23 03:51	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	07/28/23 11:33	08/08/23 03:51	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	07/28/23 11:33	08/08/23 03:51	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/29/23 10:10	08/10/23 18:19	7440-36-0	
Arsenic	0.0041J	mg/L	0.0050	0.0037	1	07/29/23 10:10	08/10/23 18:19	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/29/23 10:10	08/10/23 18:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/29/23 10:10	08/10/23 18:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/29/23 10:10	08/10/23 18:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/29/23 10:10	08/10/23 18:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/29/23 10:10	08/10/23 18:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/29/23 10:10	08/10/23 18:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/29/23 10:10	08/10/23 18:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/29/23 10:10	08/10/23 18:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	07/29/23 10:10	08/10/23 18:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/29/23 10:10	08/10/23 18:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/29/23 10:10	08/10/23 18:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/29/23 10:10	08/10/23 18:19	7440-28-0	
Vanadium	0.0027J	mg/L	0.010	0.0025	1	07/29/23 10:10	08/10/23 18:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 17:08		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 14:58		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 14:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/01/23 03:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 03:03	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FB-02 **Lab ID: 92679665017** Collected: 07/26/23 15:44 Received: 07/27/23 14:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/01/23 03:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-47 **Lab ID: 92679665018** Collected: 07/27/23 11:55 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.71	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:04	7440-09-7	
Sodium	3.0	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:04	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:56	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:56	7439-96-5	
Zinc	0.049	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:56	7440-66-6	
Calcium	17.3	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:56	7440-70-2	
Magnesium	9.5	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:56	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/04/23 10:34	08/10/23 18:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/04/23 10:34	08/10/23 18:55	7440-38-2	
Barium	0.0083	mg/L	0.0050	0.00067	1	08/04/23 10:34	08/10/23 18:55	7440-39-3	
Beryllium	0.00059J	mg/L	0.00050	0.000054	1	08/04/23 10:34	08/10/23 18:55	7440-41-7	L1,M0
Boron	0.012J	mg/L	0.040	0.0086	1	08/04/23 10:34	08/10/23 18:55	7440-42-8	
Cadmium	0.00017J	mg/L	0.00050	0.00011	1	08/04/23 10:34	08/10/23 18:55	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	08/04/23 10:34	08/10/23 18:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/04/23 10:34	08/10/23 18:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/04/23 10:34	08/10/23 18:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/04/23 10:34	08/10/23 18:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/04/23 10:34	08/10/23 18:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/04/23 10:34	08/10/23 18:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/04/23 10:34	08/10/23 18:55	7440-22-4	
Thallium	0.00020J	mg/L	0.0010	0.00018	1	08/04/23 10:34	08/10/23 18:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/04/23 10:34	08/10/23 18:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	105	mg/L	25.0	25.0	1		08/01/23 17:10		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	96.6	mg/L	5.0	5.0	1		08/03/23 21:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:43		
Alkalinity, Total as CaCO3	96.6	mg/L	5.0	5.0	1		08/03/23 21:43		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		08/01/23 18:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 18:59	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-47 Lab ID: 92679665018 Collected: 07/27/23 11:55 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	5.0	mg/L	1.0	0.50	1		08/01/23 18:59	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-47R Lab ID: 92679665019 Collected: 07/27/23 10:55 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	1.8	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:09	7440-09-7	
Sodium	2.6	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:09	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:01	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:01	7439-96-5	
Zinc	0.024	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:01	7440-66-6	
Calcium	27.9	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:01	7440-70-2	
Magnesium	13.8	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:01	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0048	mg/L	0.0030	0.0012	1	08/04/23 10:34	08/10/23 19:18	7440-36-0	
Arsenic	0.0039J	mg/L	0.0050	0.0037	1	08/04/23 10:34	08/10/23 19:18	7440-38-2	B
Barium	0.0076	mg/L	0.0050	0.00067	1	08/04/23 10:34	08/10/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/04/23 10:34	08/10/23 19:18	7440-41-7	L1
Boron	0.019J	mg/L	0.040	0.0086	1	08/04/23 10:34	08/10/23 19:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/04/23 10:34	08/10/23 19:18	7440-43-9	
Chromium	0.0028J	mg/L	0.0050	0.0011	1	08/04/23 10:34	08/10/23 19:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/04/23 10:34	08/10/23 19:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/04/23 10:34	08/10/23 19:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/04/23 10:34	08/10/23 19:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/04/23 10:34	08/10/23 19:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/04/23 10:34	08/10/23 19:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/04/23 10:34	08/10/23 19:18	7440-22-4	
Thallium	0.00020J	mg/L	0.0010	0.00018	1	08/04/23 10:34	08/10/23 19:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/04/23 10:34	08/10/23 19:18	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	154	mg/L	25.0	25.0	1		08/01/23 17:11		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	143	mg/L	5.0	5.0	1		08/03/23 21:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:51		
Alkalinity, Total as CaCO3	143	mg/L	5.0	5.0	1		08/03/23 21:51		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		08/01/23 19:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 19:14	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-47R **Lab ID: 92679665019** Collected: 07/27/23 10:55 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Sulfate	10.9	mg/L	1.0	0.50	1		08/01/23 19:14	14808-79-8	
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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-49R Lab ID: 92679665020 Collected: 07/27/23 10:27 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.70	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:14	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:14	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:06	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:06	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:06	7440-66-6	
Calcium	21.8	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:06	7440-70-2	
Magnesium	11.6	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0017J	mg/L	0.0030	0.0012	1	08/04/23 10:34	08/10/23 19:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/04/23 10:34	08/10/23 19:24	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	08/04/23 10:34	08/10/23 19:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/04/23 10:34	08/10/23 19:24	7440-41-7	L1
Boron	ND	mg/L	0.040	0.0086	1	08/04/23 10:34	08/10/23 19:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/04/23 10:34	08/10/23 19:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/04/23 10:34	08/10/23 19:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/04/23 10:34	08/10/23 19:24	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/04/23 10:34	08/10/23 19:24	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/04/23 10:34	08/10/23 19:24	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/04/23 10:34	08/10/23 19:24	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/04/23 10:34	08/10/23 19:24	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/04/23 10:34	08/10/23 19:24	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/04/23 10:34	08/10/23 19:24	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/04/23 10:34	08/10/23 19:24	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 13:00	08/03/23 17:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	117	mg/L	25.0	25.0	1		08/01/23 17:11		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	126	mg/L	5.0	5.0	1		08/03/23 22:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 22:10		
Alkalinity, Total as CaCO3	126	mg/L	5.0	5.0	1		08/03/23 22:10		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		08/01/23 19:30	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 19:30	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-49R Lab ID: 92679665020 Collected: 07/27/23 10:27 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.3	mg/L	1.0	0.50	1		08/01/23 19:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-GWC-49Z Lab ID: 92679665021 Collected: 07/27/23 11:40 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Potassium	0.42J	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:28	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:28	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:11	7439-89-6	
Manganese	0.029J	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:11	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:11	7440-66-6	
Calcium	0.61J	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:11	7440-70-2	
Magnesium	0.28	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:11	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/04/23 10:34	08/10/23 19:30	7440-36-0	
Arsenic	0.0044J	mg/L	0.0050	0.0037	1	08/04/23 10:34	08/10/23 19:30	7440-38-2	B
Barium	0.0036J	mg/L	0.0050	0.00067	1	08/04/23 10:34	08/10/23 19:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/04/23 10:34	08/10/23 19:30	7440-41-7	L1
Boron	ND	mg/L	0.040	0.0086	1	08/04/23 10:34	08/10/23 19:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/04/23 10:34	08/10/23 19:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/04/23 10:34	08/10/23 19:30	7440-47-3	
Cobalt	0.00044J	mg/L	0.0050	0.00039	1	08/04/23 10:34	08/10/23 19:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/04/23 10:34	08/10/23 19:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/04/23 10:34	08/10/23 19:30	7439-92-1	
Nickel	0.0017J	mg/L	0.0050	0.00071	1	08/04/23 10:34	08/10/23 19:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/04/23 10:34	08/10/23 19:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/04/23 10:34	08/10/23 19:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/04/23 10:34	08/10/23 19:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/04/23 10:34	08/10/23 19:30	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 12:00	08/03/23 16:12	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 17:12		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 22:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 22:19		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 22:19		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.0	mg/L	1.0	0.60	1		08/01/23 19:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 19:45	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: **BOW-GWC-49Z** Lab ID: **92679665021** Collected: 07/27/23 11:40 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.97J	mg/L	1.0	0.50	1		08/01/23 19:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FD-02 Lab ID: 92679665022 Collected: 07/27/23 00:00 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:15	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:15	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:15	7440-66-6	
Calcium	22.0	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:15	7440-70-2	
Magnesium	11.7	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:15	7439-95-4	
Potassium	0.63	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:33	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:33	7440-23-5	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0016J	mg/L	0.0030	0.0012	1	08/04/23 10:34	08/10/23 19:54	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/04/23 10:34	08/10/23 19:54	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	08/04/23 10:34	08/10/23 19:54	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/04/23 10:34	08/10/23 19:54	7440-41-7	L1
Boron	ND	mg/L	0.040	0.0086	1	08/04/23 10:34	08/10/23 19:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/04/23 10:34	08/10/23 19:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/04/23 10:34	08/10/23 19:54	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/04/23 10:34	08/10/23 19:54	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/04/23 10:34	08/10/23 19:54	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/04/23 10:34	08/10/23 19:54	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/04/23 10:34	08/10/23 19:54	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/04/23 10:34	08/10/23 19:54	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/04/23 10:34	08/10/23 19:54	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/04/23 10:34	08/10/23 19:54	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/04/23 10:34	08/10/23 19:54	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 12:00	08/03/23 16:14	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	114	mg/L	25.0	25.0	1		08/01/23 17:12		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	127	mg/L	5.0	5.0	1		08/03/23 22:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 22:34		
Alkalinity, Total as CaCO3	127	mg/L	5.0	5.0	1		08/03/23 22:34		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.1	mg/L	1.0	0.60	1		08/01/23 20:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 20:01	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FD-02 Lab ID: 92679665022 Collected: 07/27/23 00:00 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.3	mg/L	1.0	0.50	1		08/01/23 20:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Sample: BOW-LF9-10-FB-03 Lab ID: 92679665023 Collected: 07/27/23 15:20 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	ND	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:38	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:38	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:20	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:20	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:20	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:20	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:20	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/04/23 10:34	08/10/23 20:00	7440-36-0	
Arsenic	0.0042J	mg/L	0.0050	0.0037	1	08/04/23 10:34	08/10/23 20:00	7440-38-2	B
Barium	ND	mg/L	0.0050	0.00067	1	08/04/23 10:34	08/10/23 20:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/04/23 10:34	08/10/23 20:00	7440-41-7	L1
Boron	ND	mg/L	0.040	0.0086	1	08/04/23 10:34	08/10/23 20:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/04/23 10:34	08/10/23 20:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/04/23 10:34	08/10/23 20:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/04/23 10:34	08/10/23 20:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/04/23 10:34	08/10/23 20:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/04/23 10:34	08/10/23 20:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/04/23 10:34	08/10/23 20:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/04/23 10:34	08/10/23 20:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/04/23 10:34	08/10/23 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/04/23 10:34	08/10/23 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/04/23 10:34	08/10/23 20:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/03/23 12:00	08/03/23 16:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 17:12		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:22		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/04/23 16:22		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/01/23 20:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 20:47	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10
 Pace Project No.: 92679665

Sample: BOW-LF9-10-FB-03 Lab ID: 92679665023 Collected: 07/27/23 15:20 Received: 07/31/23 13:46 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/01/23 20:47	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	789946	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017		

METHOD BLANK:	4094043	Matrix:	Water
Associated Lab Samples:	92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/08/23 01:51	
Iron	mg/L	ND	0.040	0.025	08/08/23 16:45	
Magnesium	mg/L	ND	0.050	0.012	08/08/23 01:51	
Manganese	mg/L	ND	0.040	0.011	08/08/23 01:51	
Potassium	mg/L	0.22J	0.50	0.15	08/08/23 01:51	
Sodium	mg/L	ND	1.0	0.58	08/08/23 01:51	
Zinc	mg/L	ND	0.020	0.0085	08/08/23 01:51	

LABORATORY CONTROL SAMPLE:	4094044					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.95J	95	80-120	
Iron	mg/L	1	1.0	101	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Manganese	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	1.1	108	80-120	
Sodium	mg/L	1	0.93J	93	80-120	
Zinc	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4094045	4094046										
Parameter	Units	92679665001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	35.7	1	1	34.9	35.9	-78	24	75-125	3	20	M1
Iron	mg/L	ND	1	1	1.0	0.99	102	98	75-125	4	20	
Magnesium	mg/L	18.7	1	1	18.8	19.2	12	52	75-125	2	20	M1
Manganese	mg/L	ND	1	1	1.0	1.0	103	103	75-125	0	20	
Potassium	mg/L	1.1	1	1	2.2	2.2	111	114	75-125	1	20	
Sodium	mg/L	1.6	1	1	2.5	2.6	93	99	75-125	2	20	
Zinc	mg/L	ND	1	1	1.0	1.0	103	103	75-125	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	790842	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

METHOD BLANK: 4098387 Matrix: Water
 Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/09/23 02:53	
Iron	mg/L	ND	0.040	0.025	08/09/23 02:53	
Magnesium	mg/L	ND	0.050	0.012	08/09/23 02:53	
Manganese	mg/L	ND	0.040	0.011	08/09/23 02:53	
Potassium	mg/L	ND	0.50	0.15	08/09/23 19:07	
Sodium	mg/L	ND	1.0	0.58	08/09/23 19:07	
Zinc	mg/L	ND	0.020	0.0085	08/09/23 02:53	

LABORATORY CONTROL SAMPLE: 4098388

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	
Iron	mg/L	1	0.96	96	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	1	1.0	101	80-120	
Potassium	mg/L	1	0.97	97	80-120	
Sodium	mg/L	1	0.96J	96	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4098389 4098390

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Result	Spike Conc.						
Calcium	mg/L	29.1	1	1	29.2	28.2	8	-92	75-125	3	20 M1
Iron	mg/L	0.037J	1	1	0.99	0.94	96	90	75-125	6	20
Magnesium	mg/L	14.4	1	1	15.0	14.4	59	-2	75-125	4	20 M1
Manganese	mg/L	0.076	1	1	1.1	1.1	103	98	75-125	4	20
Potassium	mg/L	1.3	1	1	2.5	2.1	125	78	75-125	20	20
Sodium	mg/L	5.0	1	1	6.2	5.9	125	90	75-125	6	20
Zinc	mg/L	ND	1	1	1.0	0.98	103	98	75-125	5	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 790085 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017

METHOD BLANK: 4095208 Matrix: Water
 Associated Lab Samples: 92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/05/23 15:30	
Arsenic	mg/L	ND	0.0050	0.0037	08/05/23 15:30	
Barium	mg/L	ND	0.0050	0.00067	08/05/23 15:30	
Beryllium	mg/L	ND	0.00050	0.000054	08/05/23 15:30	
Boron	mg/L	ND	0.040	0.0086	08/05/23 15:30	
Cadmium	mg/L	ND	0.00050	0.00011	08/05/23 15:30	
Chromium	mg/L	ND	0.0050	0.0011	08/05/23 15:30	
Cobalt	mg/L	ND	0.0050	0.00039	08/05/23 15:30	
Copper	mg/L	ND	0.0050	0.0010	08/05/23 15:30	
Lead	mg/L	ND	0.0010	0.00012	08/05/23 15:30	
Nickel	mg/L	ND	0.0050	0.00071	08/05/23 15:30	
Selenium	mg/L	ND	0.0050	0.0014	08/05/23 15:30	
Silver	mg/L	ND	0.0050	0.00044	08/05/23 15:30	
Thallium	mg/L	ND	0.0010	0.00018	08/05/23 15:30	
Vanadium	mg/L	ND	0.010	0.0025	08/05/23 15:30	

LABORATORY CONTROL SAMPLE: 4095209

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.10	101	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.099	99	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	105	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4095210												4095211	
Parameter	Units	92679665001		MS	MSD	MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Antimony	mg/L	ND	0.1	0.1	0.12	0.12	115	117	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	2	20		
Barium	mg/L	0.014	0.1	0.1	0.12	0.12	107	109	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.098	0.10	98	102	75-125	3	20		
Boron	mg/L	ND	1	1	0.99	0.98	98	98	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	107	108	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	107	108	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20		
Lead	mg/L	0.00014J	0.1	0.1	0.10	0.11	105	107	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	105	105	75-125	0	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.11	103	107	75-125	4	20		
Silver	mg/L	ND	0.1	0.1	0.11	0.11	107	106	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.10	0.11	105	106	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	108	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	791449	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

METHOD BLANK: 4101566 Matrix: Water
 Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/10/23 18:43	
Arsenic	mg/L	0.0040J	0.0050	0.0037	08/10/23 18:43	
Barium	mg/L	ND	0.0050	0.00067	08/10/23 18:43	
Beryllium	mg/L	ND	0.00050	0.000054	08/10/23 18:43	
Boron	mg/L	ND	0.040	0.0086	08/10/23 18:43	
Cadmium	mg/L	ND	0.00050	0.00011	08/10/23 18:43	
Chromium	mg/L	ND	0.0050	0.0011	08/10/23 18:43	
Cobalt	mg/L	ND	0.0050	0.00039	08/10/23 18:43	
Copper	mg/L	ND	0.0050	0.0010	08/10/23 18:43	
Lead	mg/L	ND	0.0010	0.00012	08/10/23 18:43	
Nickel	mg/L	ND	0.0050	0.00071	08/10/23 18:43	
Selenium	mg/L	ND	0.0050	0.0014	08/10/23 18:43	
Silver	mg/L	ND	0.0050	0.00044	08/10/23 18:43	
Thallium	mg/L	ND	0.0010	0.00018	08/10/23 18:43	
Vanadium	mg/L	0.0028J	0.010	0.0025	08/10/23 18:43	

LABORATORY CONTROL SAMPLE: 4101567

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	111	80-120	
Arsenic	mg/L	0.1	0.11	110	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.13	131	80-120	L1
Boron	mg/L	1	1.2	119	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.11	106	80-120	
Lead	mg/L	0.1	0.11	106	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.11	106	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	101	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4101568 4101569														
Parameter	Units	92679665018		MS	MSD	4101569		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	MS Result	MSD Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	113	114	75-125	0	20			
Arsenic	mg/L	ND	0.1	0.1	0.11	0.11	105	106	75-125	0	20			
Barium	mg/L	0.0083	0.1	0.1	0.11	0.11	102	103	75-125	1	20			
Beryllium	mg/L	0.000059J	0.1	0.1	0.13	0.13	128	128	75-125	0	20	M0		
Boron	mg/L	0.012J	1	1	1.2	1.2	116	116	75-125	0	20			
Cadmium	mg/L	0.00017J	0.1	0.1	0.11	0.11	107	106	75-125	0	20			
Chromium	mg/L	0.0014J	0.1	0.1	0.10	0.11	102	107	75-125	5	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20			
Copper	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20			
Lead	mg/L	ND	0.1	0.1	0.10	0.11	104	107	75-125	3	20			
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	100	104	75-125	4	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.11	102	105	75-125	4	20			
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20			
Thallium	mg/L	0.00020J	0.1	0.1	0.10	0.10	101	103	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	105	108	75-125	3	20			

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	791081	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017, 92679665018, 92679665019, 92679665020		

METHOD BLANK:	4099635	Matrix:	Water
Associated Lab Samples:	92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017, 92679665018, 92679665019, 92679665020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/03/23 16:20	

LABORATORY CONTROL SAMPLE:	4099636					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0022	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4099637			4099638								
Parameter	Units	92679665002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0022	87	88	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	791082	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679665021, 92679665022, 92679665023

METHOD BLANK: 4099639 Matrix: Water
 Associated Lab Samples: 92679665021, 92679665022, 92679665023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/03/23 15:06	

LABORATORY CONTROL SAMPLE: 4099640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4099641 4099642

Parameter	Units	4099641		4099642		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0022	0.0022	87	88	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 790254 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015

METHOD BLANK: 4095694 Matrix: Water
 Associated Lab Samples: 92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/31/23 11:34	

LABORATORY CONTROL SAMPLE: 4095695

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	409	102	80-120	

SAMPLE DUPLICATE: 4095696

Parameter	Units	92679349001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	5940	6100	3	10	

SAMPLE DUPLICATE: 4095697

Parameter	Units	92679477001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	237	228	4	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 790452 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92679665016, 92679665017, 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

METHOD BLANK: 4096719 Matrix: Water
 Associated Lab Samples: 92679665016, 92679665017, 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/01/23 17:05	

LABORATORY CONTROL SAMPLE: 4096720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	411	103	80-120	

SAMPLE DUPLICATE: 4096721

Parameter	Units	92679665016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	33.0	43.0	26	10	D6

SAMPLE DUPLICATE: 4096722

Parameter	Units	92679665018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	105	104	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	791132	Analysis Method:	SM 2320B-2011
QC Batch Method:	SM 2320B-2011	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017		

METHOD BLANK:	4099821	Matrix:	Water
Associated Lab Samples:	92679665001, 92679665002, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/03/23 12:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/03/23 12:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/03/23 12:06	

LABORATORY CONTROL SAMPLE:	4099822					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE:	4099823					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4099824			4099825								
Parameter	Units	92679642001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	11.1	50	50	62.7	63.1	103	104	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4099826			4099827								
Parameter	Units	92679642002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	55.3	55.7	104	105	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 791208 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022

METHOD BLANK: 4100330 Matrix: Water
 Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/03/23 19:35	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/03/23 19:35	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/03/23 19:35	

LABORATORY CONTROL SAMPLE: 4100331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	80-120	

LABORATORY CONTROL SAMPLE: 4100332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4100333 4100334

Parameter	Units	4100333		4100334		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	ND	50	55.0	50	105	104	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4100335 4100336

Parameter	Units	4100335		4100336		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Alkalinity, Total as CaCO3	mg/L	127	50	181	50	107	106	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 791444

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92679665023

METHOD BLANK: 4101535

Matrix: Water

Associated Lab Samples: 92679665023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/04/23 14:37	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/04/23 14:37	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/04/23 14:37	

LABORATORY CONTROL SAMPLE: 4101536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	54.0	108	80-120	

LABORATORY CONTROL SAMPLE: 4101537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4101538 4101539

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result								
Alkalinity, Total as CaCO3	mg/L	41.2	50	50	50	93.4	92.4	104	102	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4101540 4101541

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result								
Alkalinity, Total as CaCO3	mg/L	59.2	50	50	50	111	113	105	107	80-120	1	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch:	790192	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92679665002

METHOD BLANK: 4095535 Matrix: Water

Associated Lab Samples: 92679665002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/30/23 17:32	
Fluoride	mg/L	ND	0.10	0.050	07/30/23 17:32	
Sulfate	mg/L	ND	1.0	0.50	07/30/23 17:32	

LABORATORY CONTROL SAMPLE: 4095536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	47.3	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4095537 4095538

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679759001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	ND	50	50	59.4	58.9	85	84	90-110	1	10	M1	
Fluoride	mg/L	ND	2.5	2.5	1.5J	ND	30	25	90-110		10	D3,M1	
Sulfate	mg/L	ND	50	50	62.8	61.6	77	74	90-110	2	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4095539 4095540

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679685001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	11.8	50	50	62.1	62.1	101	101	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.2	2.2	87	88	90-110	1	10	M1	
Sulfate	mg/L	220	50	50	263	262	87	84	90-110	1	10	M1	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 790408 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679665001, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017

METHOD BLANK: 4096413 Matrix: Water
 Associated Lab Samples: 92679665001, 92679665003, 92679665004, 92679665005, 92679665006, 92679665007, 92679665008, 92679665009, 92679665010, 92679665011, 92679665012, 92679665013, 92679665014, 92679665015, 92679665016, 92679665017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	07/31/23 20:12	
Fluoride	mg/L	ND	0.10	0.050	07/31/23 20:12	
Sulfate	mg/L	ND	1.0	0.50	07/31/23 20:12	

LABORATORY CONTROL SAMPLE: 4096414

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.8	96	90-110	
Fluoride	mg/L	2.5	2.3	92	90-110	
Sulfate	mg/L	50	47.6	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4096415 4096416

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679789001 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	7.6	50	50	57.6	57.3	100	99	90-110	0	10
Fluoride	mg/L	0.49	2.5	2.5	2.9	2.9	96	96	90-110	0	10
Sulfate	mg/L	11.4	50	50	61.6	61.1	100	99	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4096417 4096418

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679665011 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	3.2	50	50	53.9	53.5	101	101	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.4	2.4	94	94	90-110	1	10
Sulfate	mg/L	3.5	50	50	54.1	53.7	101	100	90-110	1	10

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

QC Batch: 790556 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

METHOD BLANK: 4097074 Matrix: Water
 Associated Lab Samples: 92679665018, 92679665019, 92679665020, 92679665021, 92679665022, 92679665023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/01/23 15:36	
Fluoride	mg/L	ND	0.10	0.050	08/01/23 15:36	
Sulfate	mg/L	ND	1.0	0.50	08/01/23 15:36	

LABORATORY CONTROL SAMPLE: 4097075

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.0	98	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	48.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4097076 4097077

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679955001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.2	50	50	51.6	52.1	101	102	90-110	1	10		
Fluoride	mg/L	0.054J	2.5	2.5	2.6	2.7	104	106	90-110	2	10		
Sulfate	mg/L	1.4	50	50	51.4	52.2	100	102	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4097078 4097079

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679665022 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.1	50	50	53.2	52.3	104	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	109	108	90-110	1	10		
Sulfate	mg/L	2.3	50	50	54.3	53.5	104	102	90-110	1	10		

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QUALIFIERS

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679665001	BOW-GWA-39RZ	EPA 3010A	789946	EPA 6010D	790027
92679665002	BOW-GWA-41	EPA 3010A	789946	EPA 6010D	790027
92679665003	BOW-GWA-41R	EPA 3010A	789946	EPA 6010D	790027
92679665004	BOW-GWA-43	EPA 3010A	789946	EPA 6010D	790027
92679665005	BOW-GWA-43R	EPA 3010A	789946	EPA 6010D	790027
92679665006	BOW-GWA-39Z	EPA 3010A	789946	EPA 6010D	790027
92679665007	BOW-GWA-40	EPA 3010A	789946	EPA 6010D	790027
92679665008	BOW-GWA-42	EPA 3010A	789946	EPA 6010D	790027
92679665009	BOW-GWC-44	EPA 3010A	789946	EPA 6010D	790027
92679665010	BOW-GWC-45	EPA 3010A	789946	EPA 6010D	790027
92679665011	BOW-GWC-45R	EPA 3010A	789946	EPA 6010D	790027
92679665012	BOW-GWC-46R	EPA 3010A	789946	EPA 6010D	790027
92679665013	BOW-LF9-10-FD-01	EPA 3010A	789946	EPA 6010D	790027
92679665014	BOW-LF9-10-FB-01	EPA 3010A	789946	EPA 6010D	790027
92679665015	BOW-LF9-10-EB-01	EPA 3010A	789946	EPA 6010D	790027
92679665016	BOW-GWC-48	EPA 3010A	789946	EPA 6010D	790027
92679665017	BOW-LF9-10-FB-02	EPA 3010A	789946	EPA 6010D	790027
92679665018	BOW-GWC-47	EPA 3010A	790842	EPA 6010D	790955
92679665019	BOW-GWC-47R	EPA 3010A	790842	EPA 6010D	790955
92679665020	BOW-GWC-49R	EPA 3010A	790842	EPA 6010D	790955
92679665021	BOW-GWC-49Z	EPA 3010A	790842	EPA 6010D	790955
92679665022	BOW-LF9-10-FD-02	EPA 3010A	790842	EPA 6010D	790955
92679665023	BOW-LF9-10-FB-03	EPA 3010A	790842	EPA 6010D	790955
92679665001	BOW-GWA-39RZ	EPA 3005A	790085	EPA 6020B	790205
92679665002	BOW-GWA-41	EPA 3005A	790085	EPA 6020B	790205
92679665003	BOW-GWA-41R	EPA 3005A	790085	EPA 6020B	790205
92679665004	BOW-GWA-43	EPA 3005A	790085	EPA 6020B	790205
92679665005	BOW-GWA-43R	EPA 3005A	790085	EPA 6020B	790205
92679665006	BOW-GWA-39Z	EPA 3005A	790085	EPA 6020B	790205
92679665007	BOW-GWA-40	EPA 3005A	790085	EPA 6020B	790205
92679665008	BOW-GWA-42	EPA 3005A	790085	EPA 6020B	790205
92679665009	BOW-GWC-44	EPA 3005A	790085	EPA 6020B	790205
92679665010	BOW-GWC-45	EPA 3005A	790085	EPA 6020B	790205
92679665011	BOW-GWC-45R	EPA 3005A	790085	EPA 6020B	790205
92679665012	BOW-GWC-46R	EPA 3005A	790085	EPA 6020B	790205
92679665013	BOW-LF9-10-FD-01	EPA 3005A	790085	EPA 6020B	790205
92679665014	BOW-LF9-10-FB-01	EPA 3005A	790085	EPA 6020B	790205
92679665015	BOW-LF9-10-EB-01	EPA 3005A	790085	EPA 6020B	790205
92679665016	BOW-GWC-48	EPA 3005A	790085	EPA 6020B	790205
92679665017	BOW-LF9-10-FB-02	EPA 3005A	790085	EPA 6020B	790205
92679665018	BOW-GWC-47	EPA 3005A	791449	EPA 6020B	791531
92679665019	BOW-GWC-47R	EPA 3005A	791449	EPA 6020B	791531
92679665020	BOW-GWC-49R	EPA 3005A	791449	EPA 6020B	791531
92679665021	BOW-GWC-49Z	EPA 3005A	791449	EPA 6020B	791531
92679665022	BOW-LF9-10-FD-02	EPA 3005A	791449	EPA 6020B	791531
92679665023	BOW-LF9-10-FB-03	EPA 3005A	791449	EPA 6020B	791531
92679665001	BOW-GWA-39RZ	EPA 7470A	791081	EPA 7470A	791274

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679665002	BOW-GWA-41	EPA 7470A	791081	EPA 7470A	791274
92679665003	BOW-GWA-41R	EPA 7470A	791081	EPA 7470A	791274
92679665004	BOW-GWA-43	EPA 7470A	791081	EPA 7470A	791274
92679665005	BOW-GWA-43R	EPA 7470A	791081	EPA 7470A	791274
92679665006	BOW-GWA-39Z	EPA 7470A	791081	EPA 7470A	791274
92679665007	BOW-GWA-40	EPA 7470A	791081	EPA 7470A	791274
92679665008	BOW-GWA-42	EPA 7470A	791081	EPA 7470A	791274
92679665009	BOW-GWC-44	EPA 7470A	791081	EPA 7470A	791274
92679665010	BOW-GWC-45	EPA 7470A	791081	EPA 7470A	791274
92679665011	BOW-GWC-45R	EPA 7470A	791081	EPA 7470A	791274
92679665012	BOW-GWC-46R	EPA 7470A	791081	EPA 7470A	791274
92679665013	BOW-LF9-10-FD-01	EPA 7470A	791081	EPA 7470A	791274
92679665014	BOW-LF9-10-FB-01	EPA 7470A	791081	EPA 7470A	791274
92679665015	BOW-LF9-10-EB-01	EPA 7470A	791081	EPA 7470A	791274
92679665016	BOW-GWC-48	EPA 7470A	791081	EPA 7470A	791274
92679665017	BOW-LF9-10-FB-02	EPA 7470A	791081	EPA 7470A	791274
92679665018	BOW-GWC-47	EPA 7470A	791081	EPA 7470A	791274
92679665019	BOW-GWC-47R	EPA 7470A	791081	EPA 7470A	791274
92679665020	BOW-GWC-49R	EPA 7470A	791081	EPA 7470A	791274
92679665021	BOW-GWC-49Z	EPA 7470A	791082	EPA 7470A	791197
92679665022	BOW-LF9-10-FD-02	EPA 7470A	791082	EPA 7470A	791197
92679665023	BOW-LF9-10-FB-03	EPA 7470A	791082	EPA 7470A	791197
92679665001	BOW-GWA-39RZ	SM 2540C-2015	790254		
92679665002	BOW-GWA-41	SM 2540C-2015	790254		
92679665003	BOW-GWA-41R	SM 2540C-2015	790254		
92679665004	BOW-GWA-43	SM 2540C-2015	790254		
92679665005	BOW-GWA-43R	SM 2540C-2015	790254		
92679665006	BOW-GWA-39Z	SM 2540C-2015	790254		
92679665007	BOW-GWA-40	SM 2540C-2015	790254		
92679665008	BOW-GWA-42	SM 2540C-2015	790254		
92679665009	BOW-GWC-44	SM 2540C-2015	790254		
92679665010	BOW-GWC-45	SM 2540C-2015	790254		
92679665011	BOW-GWC-45R	SM 2540C-2015	790254		
92679665012	BOW-GWC-46R	SM 2540C-2015	790254		
92679665013	BOW-LF9-10-FD-01	SM 2540C-2015	790254		
92679665014	BOW-LF9-10-FB-01	SM 2540C-2015	790254		
92679665015	BOW-LF9-10-EB-01	SM 2540C-2015	790254		
92679665016	BOW-GWC-48	SM 2540C-2015	790452		
92679665017	BOW-LF9-10-FB-02	SM 2540C-2015	790452		
92679665018	BOW-GWC-47	SM 2540C-2015	790452		
92679665019	BOW-GWC-47R	SM 2540C-2015	790452		
92679665020	BOW-GWC-49R	SM 2540C-2015	790452		
92679665021	BOW-GWC-49Z	SM 2540C-2015	790452		
92679665022	BOW-LF9-10-FD-02	SM 2540C-2015	790452		
92679665023	BOW-LF9-10-FB-03	SM 2540C-2015	790452		
92679665001	BOW-GWA-39RZ	SM 2320B-2011	791132		
92679665002	BOW-GWA-41	SM 2320B-2011	791132		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9&10

Pace Project No.: 92679665

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679665003	BOW-GWA-41R	SM 2320B-2011	791132		
92679665004	BOW-GWA-43	SM 2320B-2011	791132		
92679665005	BOW-GWA-43R	SM 2320B-2011	791132		
92679665006	BOW-GWA-39Z	SM 2320B-2011	791132		
92679665007	BOW-GWA-40	SM 2320B-2011	791132		
92679665008	BOW-GWA-42	SM 2320B-2011	791132		
92679665009	BOW-GWC-44	SM 2320B-2011	791132		
92679665010	BOW-GWC-45	SM 2320B-2011	791132		
92679665011	BOW-GWC-45R	SM 2320B-2011	791132		
92679665012	BOW-GWC-46R	SM 2320B-2011	791132		
92679665013	BOW-LF9-10-FD-01	SM 2320B-2011	791132		
92679665014	BOW-LF9-10-FB-01	SM 2320B-2011	791132		
92679665015	BOW-LF9-10-EB-01	SM 2320B-2011	791132		
92679665016	BOW-GWC-48	SM 2320B-2011	791132		
92679665017	BOW-LF9-10-FB-02	SM 2320B-2011	791132		
92679665018	BOW-GWC-47	SM 2320B-2011	791208		
92679665019	BOW-GWC-47R	SM 2320B-2011	791208		
92679665020	BOW-GWC-49R	SM 2320B-2011	791208		
92679665021	BOW-GWC-49Z	SM 2320B-2011	791208		
92679665022	BOW-LF9-10-FD-02	SM 2320B-2011	791208		
92679665023	BOW-LF9-10-FB-03	SM 2320B-2011	791444		
92679665001	BOW-GWA-39RZ	EPA 300.0 Rev 2.1 1993	790408		
92679665002	BOW-GWA-41	EPA 300.0 Rev 2.1 1993	790192		
92679665003	BOW-GWA-41R	EPA 300.0 Rev 2.1 1993	790408		
92679665004	BOW-GWA-43	EPA 300.0 Rev 2.1 1993	790408		
92679665005	BOW-GWA-43R	EPA 300.0 Rev 2.1 1993	790408		
92679665006	BOW-GWA-39Z	EPA 300.0 Rev 2.1 1993	790408		
92679665007	BOW-GWA-40	EPA 300.0 Rev 2.1 1993	790408		
92679665008	BOW-GWA-42	EPA 300.0 Rev 2.1 1993	790408		
92679665009	BOW-GWC-44	EPA 300.0 Rev 2.1 1993	790408		
92679665010	BOW-GWC-45	EPA 300.0 Rev 2.1 1993	790408		
92679665011	BOW-GWC-45R	EPA 300.0 Rev 2.1 1993	790408		
92679665012	BOW-GWC-46R	EPA 300.0 Rev 2.1 1993	790408		
92679665013	BOW-LF9-10-FD-01	EPA 300.0 Rev 2.1 1993	790408		
92679665014	BOW-LF9-10-FB-01	EPA 300.0 Rev 2.1 1993	790408		
92679665015	BOW-LF9-10-EB-01	EPA 300.0 Rev 2.1 1993	790408		
92679665016	BOW-GWC-48	EPA 300.0 Rev 2.1 1993	790408		
92679665017	BOW-LF9-10-FB-02	EPA 300.0 Rev 2.1 1993	790408		
92679665018	BOW-GWC-47	EPA 300.0 Rev 2.1 1993	790556		
92679665019	BOW-GWC-47R	EPA 300.0 Rev 2.1 1993	790556		
92679665020	BOW-GWC-49R	EPA 300.0 Rev 2.1 1993	790556		
92679665021	BOW-GWC-49Z	EPA 300.0 Rev 2.1 1993	790556		
92679665022	BOW-LF9-10-FD-02	EPA 300.0 Rev 2.1 1993	790556		
92679665023	BOW-LF9-10-FB-03	EPA 300.0 Rev 2.1 1993	790556		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh ~~Mechanicsville~~ ~~Asheville~~ ~~Kannonsville~~

Sample Condition
Use + Rev: 01

Client Name:

GA-Power

Project #:



Courier: Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MBW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID

230

Type of Ice:

Dry Ice Blue None

Cooler Temp:

4.0

Correction Factor:
Add/Subtract (°C)

0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.0

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

				Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Dissolved analysis Samples Field Filtered?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	<u>W6</u>			
Headspace in VOA Vials (>5-Emm)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #



exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BOI5 (water) DOC, UHg

*Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Items	BP4U-125 mL Plastic Unpreserved (N/A) (C1)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4B-125 mL Plastic c 3-7504 (pH < 2) (C1)	BP3B-250 mL plastic HNO3 (pH < 2)	BP4B-125 mL Plastic 2N acetate & NaOH (-B)	BP4B-125 mL Plastic NaOH (pH > 12) (C1)	WGFU-1 liter mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C1)	AG1H-1 liter Amber w/Cl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C1)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG5M-40 mL Amber Ad-acCl (N/A)(C1)	DG6H-40 mL VOA HC (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA HSP-31 (N/A)	RP7U 50 mL Plastic Unpreserved (N/A)	V70K (3 vials per MP30P-H/Cas nit (N/A)	SP3T-125 mL Sterile Zastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3B-250 mL Plastic (NH2)2SO4 (pH > 9.75)	AG6U-100 mL Amber Unpreserved (N/A) (C1)	W9GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	2	1																										
2	2	1																										
3	2	1																										
4	2	1																										
5	2	1																										
6	2	1																										
7	2	1																										
8	2	1																										
9	2	1																										
10	2	1																										
11	2	1																										
12	2	1																										

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office for out of field, incorrect preservative, out of temp, incorrect containers.



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, DI and Grease, DRO/BO15 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chloring

Item #	Item Name	1	2	3	4	5	6	7	8	9	10	11	12
	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)												
	BP3U-250 mL Plastic Unpreserved (N/A)	2	2	2	2	2							
	BP2U-500 mL Plastic Unpreserved (N/A)	1	1	1	1	1							
	BP1U-1 liter Plastic Unpreserved (N/A)												
	BP4S-125 ml Plastic 1025204 (pH < 2) (Cl-)												
	BP3S-250 ml plastic 10403 (pH < 2)												
	BP4P-125 mL Plastic ZV Acetate & NaOH (>2)												
	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)												
	WGFU-Wide-mouthed Glass jar Unpreserved												
	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)												
	AG3H-1 liter Amber HCl (pH < 2)												
	AG5U-250 ml Amber Unpreserved (N/A) (Cl-)												
	AG1S-1 liter Amber N2S04 (pH < 2)												
	AG3S-250 mL Amber N2S04 (pH < 2)												
	DG5H-40 mL Amber N44Cl (N/A)(Cl-)												
	DG8H-40 mL VOA HCl (N/A)												
	V09T-40 mL VOA Na2S2O3 (N/A)												
	V09U-40 mL VOB Unpreserved (N/A)												
	DG9H-40 mL VOA N3PO4 (N/A)												
	KP2U-50 mL Plastic Unpreserved (N/A)												
	V10K 12 vials per kit V10M/Gas et. (N/A)												
	SP5T-125 mL Sterile Plastic (N/A - lab)												
	SP3T-250 mL Sterile Plastic (N/A - lab)												
	BP3H-250 ml Plastic (NH2)2S04 (9.3-9.7)												
	AG6U-200 mL Amber Unpreserved (N/A) (Cl-)												
	V5GB-20 mL Scintillation vials (N/A)												
	V69H-40 mL Amber Unpreserved vials (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	yes upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect container)



Submitting a sample via the chain of custody constitutes acknowledgment and responsibility of the PACE Team and constitutes them as being responsible for the sample. Standard form 802.

CHAIN-OF-CUSTODY / Analytical Request Document

Requested Project Information:

Client Name:	211 Ruff Road, Rock Hill, SC 29088	Client To:	John Hester, Sam Rogers, John Sledge	Company Name:	Design Firm
Project Name:	Garage	Project Location:	Garage, 211 Ruff Road, Rock Hill, SC 29088	Address:	211 Ruff Road and Hill Street, Rock Hill, SC 29088
Project No.:	211 Ruff Road	Project Manager:	John Hester	Phone Number:	803-796-6655
Project ID:	Garage	Project Start:	7/25/23	Project End:	7/25/23

Sample Information:

Sample ID:	001	Sample Type:	IS-GRAB C-COMP	DATE:	7/25/23	TIME:	16:25	TEMP AT COLLECTION:	4	# OF CONTAINERS:	3	Preservatives:	None	Analyzer Test:	Y/N
Client Name:	John Hester	CLF, 804	100	Priority:	Standard	Residual (Y/N):	92679665								

NO.	DESCRIPTION	DATE	TIME	TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analyzer Test	Client Name	CLF, 804	100	Priority	Residual (Y/N)
001	IS-GRAB C-COMP	7/25/23	16:25	4	3	None	Y	John Hester	CLF, 804	100	Standard	92679665
002	IS-GRAB C-COMP	7/25/23	14:44	4	3	None	Y	John Hester	CLF, 804	100	Standard	002
003	IS-GRAB C-COMP	7/25/23	15:31	4	3	None	Y	John Hester	CLF, 804	100	Standard	003
004	IS-GRAB C-COMP	7/25/23	10:26	4	3	None	Y	John Hester	CLF, 804	100	Standard	004
005	IS-GRAB C-COMP	7/25/23	12:15	4	3	None	Y	John Hester	CLF, 804	100	Standard	005

Client Name: William Leeper / 7/25/23 14:52
 Project Manager: Ryan Williams / 7/25/23 16:26
 Project Location: Garage / 7/25/23 16:25

Project Name: Garage
 Project Location: Garage
 Project Manager: Ryan Williams
 Project Start: 7/25/23
 Project End: 7/25/23

Page

Supplying a sample via the chain of custody constitutes acknowledgment and acceptance of the terms and conditions found at <http://lms.pascaca.com/brpwp-4/index.htm>.

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 1 of 1

Standard B

Standard C

Standard A

Client Name Information:
 Client: Georgia Power
 Project Name: Savannah Nuclear Unit 3
 Name: [blank]
 Email: [blank]
 Address: 231 South Main Street, SW, Albany, GA 31706
 Project ID: [blank]

Requester Information:
 Name: [blank]
 Title: [blank]
 Phone: [blank]
 Email: [blank]

Sample Information:
 Sample ID: [blank]
 Sample Description: [blank]
 Container: [blank]
 Quantity: [blank]
 Date Collected: [blank]

Sample ID	Date Collected	Time	Temp at Collection	Programs										Residual Chlorine (mg/L)			
				GC/MS	GC	GC	GC	GC	GC	GC	GC	GC	GC				
BDW-GWA-2002	11/30/13	15:15	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	008
BDW-GWA-201	11/30/13	15:25	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	007
BDW-GWA-419	11/30/13	15:15	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	008
BDW-GWA-418	11/30/13	15:15	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	008
BDW-GWA-417	11/30/13	15:15	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	009
BDW-GWA-416	11/30/13	15:30	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	010
BDW-GWA-415	11/30/13	14:05	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	011
BDW-GWA-414	11/30/13	14:05	4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	012
			4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	
			4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	
			4.3	X	X	X	X	X	X	X	X	X	X	X	X	X	

Received by: [blank]
 Date: [blank]
 Signature: [blank]
 Title: [blank]
 Company: [blank]



Submitting a sample and the results of analysis constitutes acknowledgment and acceptance of the PBCB Terms and Conditions found at <http://pbc.gov.us/chainofcustody> and/or <http://pbc.gov.us/chainofcustody> and/or <http://pbc.gov.us/chainofcustody>

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information:
 Name: Georgia Power
 Address: 241 RAYN ACQUIL Bldg, NE
 City: Atlanta, GA 30308
 Contact: [Redacted]
 Phone: (404) 521-4000
 Email: [Redacted]

Request Project Information:
 Request To: North Atlanta County Boulevard
 Request From: [Redacted]
 Request Order #: [Redacted]
 Project Name: [Redacted]

Sample Information:
 Sample ID: [Redacted]
 Sample Description: [Redacted]

SAMPLE ID	Client Character per PBCB 1/2-04 1.1 Sample ID: [Redacted]	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES						ANALYSE TEST	RESIDUAL CHARGE (Y/N)	
						Unpreserved	HCl	NaOH	Methanol	Other	UVV - State Method			G. F. 804
BOW-DMC-47		7/25/23	1715	4	3	1								015
BOW-DMC-47R														
BOW-DMC-48														
BOW-DMC-48H														
BOW-DMC-48Z														
BOW-DMC-49														
BOW-DMC-49C														
BOW-DMC-49D														
BOW-DMC-49E														
BOW-DMC-49F														
BOW-DMC-49G														
BOW-DMC-49H														
BOW-DMC-49I														
BOW-DMC-49J														
BOW-DMC-49K														
BOW-DMC-49L														
BOW-DMC-49M														
BOW-DMC-49N														
BOW-DMC-49O														
BOW-DMC-49P														
BOW-DMC-49Q														
BOW-DMC-49R														
BOW-DMC-49S														
BOW-DMC-49T														
BOW-DMC-49U														
BOW-DMC-49V														
BOW-DMC-49W														
BOW-DMC-49X														
BOW-DMC-49Y														
BOW-DMC-49Z														

Requester Information:
 Name: William Leabert
 Address: [Redacted]
 Phone: [Redacted]
 Email: [Redacted]

Requester Signature:
 Signature: [Redacted]
 Date: 7/25/23

Requester Title:
 Title: [Redacted]

Requester Company:
 Company: [Redacted]

Requester Address:
 Address: [Redacted]

Requester City:
 City: [Redacted]

Requester State:
 State: [Redacted]

Requester Zip:
 Zip: [Redacted]

Requester Contact:
 Contact: [Redacted]

Requester Phone:
 Phone: [Redacted]

Requester Email:
 Email: [Redacted]

Requester Fax:
 Fax: [Redacted]

Requester Website:
 Website: [Redacted]

Requester Other:
 Other: [Redacted]

Requester Notes:
 Notes: [Redacted]

Requester Signature:
 Signature: [Redacted]
 Date: 7/25/23

Requester Title:
 Title: [Redacted]

Requester Company:
 Company: [Redacted]

Requester Address:
 Address: [Redacted]

Requester City:
 City: [Redacted]

Requester State:
 State: [Redacted]

Requester Zip:
 Zip: [Redacted]

Requester Contact:
 Contact: [Redacted]

Requester Phone:
 Phone: [Redacted]

Requester Email:
 Email: [Redacted]

Requester Fax:
 Fax: [Redacted]

Requester Website:
 Website: [Redacted]

Requester Other:
 Other: [Redacted]

Requester Notes:
 Notes: [Redacted]

Page

CHAIN-OF-CUSTODY / Analytical Request Document
 THE Chain-of-Custody is a LEGAL DOCUMENT. All relevant facts must be completed accurately.

Section A
 Submitting a sample to the chain of custody constitutes acknowledgment and acceptance of the Pico Terms and Conditions found at <http://www.picolabs.com/htmlpages/chain-of-custody.html>.

Lab Client Information:
 Client Name: William Leaker
 Site: 241 Maple Street, Dept. 106
 Lab: GA 30303

Requested Project Information:
 Project #: 14952
 Project Name: William Leaker
 Project #2: 14952

Requested Analytical Method:
 Method Name: Standard
 Method Dev. Date: Standard

Requested Project Information:
 Project #: 14952
 Project Name: William Leaker
 Project #2: 14952

Requested Analytical Method:
 Method Name: Standard
 Method Dev. Date: Standard

SAMPLE ID
 One character per box
 (A-Z, 0-9, -)
 Sample box must be unique

ROW	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Temp. (°C)	Requested by	Requested Date
ROW-001-001	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-002-002	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-003-003	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-004-004	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-005-005	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-006-006	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-007-007	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-008-008	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-009-009	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03
ROW-010-010	11/21/03	1452	1452	1	None	Y/N		William Leaker	11/21/03

Signature of Requester: William Leaker
 Date: 11/21/03
 Signature of Analyst: [Signature]
 Date: 11/21/03

Signature of Custodian: [Signature]
 Date: 11/21/03

Signature of Receiver: [Signature]
 Date: 11/21/03

Signature of Shipper: [Signature]
 Date: 11/21/03

Signature of Recipient: [Signature]
 Date: 11/21/03

Signature of Analyst: [Signature]
 Date: 11/21/03

Signature of Custodian: [Signature]
 Date: 11/21/03

Signature of Receiver: [Signature]
 Date: 11/21/03

Signature of Shipper: [Signature]
 Date: 11/21/03

Signature of Recipient: [Signature]
 Date: 11/21/03



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Visual Inspection
Eggs/Insects

Client Name:

GA Power

Project #



Carrier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-31-23A

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Items Frozen?

Yes No N/A

Thermometer:

IR Gun ID:

082

Type of Ice:

Wet

Blue

None

Cooler Temp:

5.2

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

5.2

USDA Regulated Soil: N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, HI, or SC

(check maps)? Yes No

Did samples originate from a foreign source internationally,

including Hawaii and Puerto Rico? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rough Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Includes Date/Time/ID/Analysis Matrix: <u>W6</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TGC, DU and Grease, MGS/MS15 (water) DDC, Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine



Item#	BP10-125 mL Plastic Unpreserved (N/A) (C-)	BP20-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP45-125 mL BPA-free H2SO4 (pH < 2) (N/A)	BP20-250 mL Plastic (HNO3 (pH < 2))	BP42-125 mL Plastic 2M Acetate & NaOH (C-)	BP48-125 mL Plastic NaOH (OH = 12) (C-)	WIGRU- Wide-mouthed Glass or Unpreserved	AG1U-1 liter Amber unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG2U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG5H-40 mL Amber V=HCl (N/A) (C-)	DG5H-40 mL VOA HCl (N/A)	V69E-40 mL VOA Na2S2O3 (N/A)	V69U-40 mL VOA Unpreserved (N/A)	DG5N-40 mL VOA H3PO4 (N/A)	MP1U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit) VPM/Gess kit (N/A)	SP5T-125 mL Sterile Plastic (N/A = ah)	SP7T-250 mL Sterile Plastic (N/A = ah)	BP3R-30 mL Plastic (NH2)2SO4 (3.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Stabilization vials (N/A)	CG8U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3		2																										
4		2																										
5		2																										
6		2																										
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQR Certification Office if a Out of field, incorrect preservative, out of temp, or incorrect containers.

Face

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Fees Terms and Conditions found at <http://www.pasadena.com/household-waste-services.html>

Form A - Required Client Information:		Section C - Trace Information:			Page: 2 Of 2		
Client Name: Georgia Power		Company Name: Georgia Power			Request For: Solid Waste Analysis, Agency Subcontract		
Request To: Forster, Joseph, Cassidy, Subcontract		Address: 240 Ralph McGill Blvd NE, Atlanta, GA 30308			Phone Number:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
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City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		
City: Forsyth, MS, Smith		Phone Number:			Project #:		



August 21, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 1&2
Pace Project No.: 92679955

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between July 31, 2023 and August 03, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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**SAMPLE SUMMARY**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92679955001	BOW-GWA-1	Water	07/27/23 11:20	07/31/23 13:46
92679955002	BOW-GWA-2	Water	07/27/23 16:08	07/31/23 13:46
92679955003	BOW-GWA-2R	Water	07/27/23 13:02	07/31/23 13:46
92679955004	BOW-LF1-2-FD-03	Water	07/28/23 00:00	07/31/23 13:46
92679955005	BOW-LF1-2-FB-05	Water	07/28/23 12:55	07/31/23 13:46
92679955006	BOW-LF1-2-FB-04	Water	07/27/23 15:25	07/31/23 13:46
92679955008	BOW-GWA-4RZ	Water	07/28/23 09:14	07/31/23 13:46
92679955009	BOW-GWA-50	Water	07/28/23 11:01	07/31/23 13:46
92679955010	BOW-GWA-50R	Water	07/28/23 11:58	07/31/23 13:46
92679955011	BOW-GWC-5	Water	07/28/23 10:40	07/31/23 13:46
92679955012	BOW-GWC-6RZ	Water	07/28/23 12:15	07/31/23 13:46
92679955013	BOW-GWC-13RZ	Water	08/02/23 09:51	08/03/23 14:20
92679955014	BOW-GWC-15R	Water	08/02/23 11:38	08/03/23 14:20
92679955015	BOW-LF1-2-FB-08	Water	08/02/23 15:35	08/03/23 14:20
92679955016	BOW-GWA-3A	Water	08/01/23 12:52	08/03/23 14:20
92679955017	BOW-GWC-11	Water	08/01/23 12:45	08/03/23 14:20
92679955018	BOW-GWC-11R	Water	08/01/23 10:48	08/03/23 14:20
92679955019	BOW-GWC-12	Water	08/01/23 15:00	08/03/23 14:20
92679955020	BOW-GWC-13	Water	08/01/23 12:58	08/03/23 14:20
92679955021	BOW-GWC-14Z	Water	08/01/23 15:02	08/03/23 14:20
92679955022	BOW-GWC-15Z	Water	08/01/23 14:33	08/03/23 14:20
92679955023	BOW-LF1-2-FD-05	Water	08/01/23 00:00	08/03/23 14:20
92679955024	BOW-LF1-2-FB-07	Water	08/01/23 15:30	08/03/23 14:20
92679955025	BOW-GWC-6	Water	07/31/23 10:15	08/03/23 14:20
92679955026	BOW-GWC-7Z	Water	07/31/23 11:50	08/03/23 14:20
92679955027	BOW-GWC-8Z	Water	07/31/23 15:45	08/03/23 14:20
92679955028	BOW-GWC-8RR	Water	07/31/23 13:25	08/03/23 14:20
92679955029	BOW-GWC-9	Water	07/31/23 10:26	08/03/23 14:20
92679955030	BOW-GWC-10	Water	07/31/23 14:17	08/03/23 14:20
92679955031	BOW-GWC-10R	Water	07/31/23 15:26	08/03/23 14:20
92679955032	BOW-LF1-2-FD-04	Water	07/31/23 00:00	08/03/23 14:20
92679955033	BOW-LF1-2-FB-06	Water	07/31/23 16:35	08/03/23 14:20

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2
 Pace Project No.: 92679955

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679955001	BOW-GWA-1	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955002	BOW-GWA-2	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955003	BOW-GWA-2R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955004	BOW-LF1-2-FD-03	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955005	BOW-LF1-2-FB-05	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955006	BOW-LF1-2-FB-04	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955008	BOW-GWA-4RZ	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955009	BOW-GWA-50	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955010	BOW-GWA-50R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955011	BOW-GWC-5	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955012	BOW-GWC-6RZ	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955013	BOW-GWC-13RZ	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92679955014	BOW-GWC-15R	EPA 6010D	MS	7
		EPA 6020B	CW1	15

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679955015	BOW-LF1-2-FB-08	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92679955016	BOW-GWA-3A	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92679955017	BOW-GWC-11	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92679955018	BOW-GWC-11R	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92679955019	BOW-GWC-12	SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92679955020	BOW-GWC-13	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679955021	BOW-GWC-14Z	SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92679955022	BOW-GWC-15Z	SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92679955023	BOW-LF1-2-FD-05	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92679955024	BOW-LF1-2-FB-07	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
92679955025	BOW-GWC-6	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92679955026	BOW-GWC-7Z	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 6020B	CW1	15
		EPA 6010D	MS	7
		EPA 300.0 Rev 2.1 1993	JCM	3
		SM 2320B-2011	YEG	3
		SM 2540C-2015	DL1	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679955027	BOW-GWC-8Z	SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92679955028	BOW-GWC-8RR	SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92679955029	BOW-GWC-9	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
92679955030	BOW-GWC-10	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92679955031	BOW-GWC-10R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
92679955032	BOW-LF1-2-FD-04	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 1&2
Pace Project No.: 92679955

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92679955033	BOW-LF1-2-FB-06	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	JCM	3

PASI-A = Pace Analytical Services - Asheville
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679955001	BOW-GWA-1					
EPA 6010D	Iron	0.037J	mg/L	0.040	08/09/23 03:03	
EPA 6010D	Manganese	0.076	mg/L	0.040	08/09/23 03:03	
EPA 6010D	Calcium	29.1	mg/L	1.0	08/09/23 03:03	M1
EPA 6010D	Magnesium	14.4	mg/L	0.050	08/09/23 03:03	M1
EPA 6010D	Potassium	1.3	mg/L	0.50	08/09/23 19:16	
EPA 6010D	Sodium	5.0	mg/L	1.0	08/09/23 19:16	
EPA 6020B	Antimony	0.011	mg/L	0.0030	08/14/23 16:35	BC
EPA 6020B	Barium	0.018	mg/L	0.0050	08/11/23 19:48	
EPA 6020B	Boron	0.015J	mg/L	0.040	08/11/23 19:48	
EPA 6020B	Copper	0.0012J	mg/L	0.0050	08/11/23 19:48	B
SM 2540C-2015	Total Dissolved Solids	167	mg/L	25.0	08/01/23 17:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	168	mg/L	5.0	08/03/23 21:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	168	mg/L	5.0	08/03/23 21:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/01/23 16:07	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	08/01/23 16:07	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	08/01/23 16:07	
92679955002	BOW-GWA-2					
EPA 6010D	Iron	0.027J	mg/L	0.040	08/09/23 03:22	
EPA 6010D	Manganese	0.034J	mg/L	0.040	08/09/23 03:22	
EPA 6010D	Zinc	0.011J	mg/L	0.020	08/09/23 03:22	
EPA 6010D	Calcium	23.3	mg/L	1.0	08/09/23 03:22	
EPA 6010D	Magnesium	7.8	mg/L	0.050	08/09/23 03:22	
EPA 6010D	Potassium	0.69	mg/L	0.50	08/09/23 19:40	
EPA 6010D	Sodium	1.4	mg/L	1.0	08/09/23 19:40	
EPA 6020B	Barium	0.020	mg/L	0.0050	08/11/23 19:54	
SM 2540C-2015	Total Dissolved Solids	177	mg/L	25.0	08/01/23 17:09	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	68.0	mg/L	5.0	08/03/23 21:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	68.0	mg/L	5.0	08/03/23 21:23	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/01/23 16:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/01/23 16:54	
EPA 300.0 Rev 2.1 1993	Sulfate	44.0	mg/L	1.0	08/01/23 16:54	
92679955003	BOW-GWA-2R					
EPA 6010D	Potassium	0.59	mg/L	0.50	08/09/23 19:45	
EPA 6010D	Sodium	1.1	mg/L	1.0	08/09/23 19:45	
EPA 6010D	Iron	0.30	mg/L	0.040	08/09/23 03:37	
EPA 6010D	Manganese	0.058	mg/L	0.040	08/09/23 03:37	
EPA 6010D	Calcium	28.0	mg/L	1.0	08/09/23 03:37	
EPA 6010D	Magnesium	7.7	mg/L	0.050	08/09/23 03:37	
EPA 6020B	Antimony	0.0095	mg/L	0.0030	08/14/23 16:38	BC
EPA 6020B	Barium	0.024	mg/L	0.0050	08/11/23 20:00	
EPA 6020B	Boron	0.015J	mg/L	0.040	08/11/23 20:00	
EPA 6020B	Copper	0.0017J	mg/L	0.0050	08/11/23 20:00	B
SM 2540C-2015	Total Dissolved Solids	155	mg/L	25.0	08/01/23 17:10	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	112	mg/L	5.0	08/03/23 21:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	112	mg/L	5.0	08/03/23 21:30	
EPA 300.0 Rev 2.1 1993	Chloride	0.92J	mg/L	1.0	08/01/23 17:09	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679955003	BOW-GWA-2R					
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	08/01/23 17:09	
EPA 300.0 Rev 2.1 1993	Sulfate	17.6	mg/L	1.0	08/01/23 17:09	
92679955004	BOW-LF1-2-FD-03					
EPA 6010D	Potassium	0.37J	mg/L	0.50	08/09/23 19:50	
EPA 6010D	Sodium	0.79J	mg/L	1.0	08/09/23 19:50	
EPA 6010D	Manganese	0.013J	mg/L	0.040	08/09/23 03:42	
EPA 6010D	Calcium	0.66J	mg/L	1.0	08/09/23 03:42	
EPA 6010D	Magnesium	0.25	mg/L	0.050	08/09/23 03:42	
EPA 6020B	Antimony	0.0032	mg/L	0.0030	08/14/23 16:42	BC
EPA 6020B	Barium	0.0086	mg/L	0.0050	08/11/23 20:24	
EPA 6020B	Boron	0.016J	mg/L	0.040	08/11/23 20:24	
EPA 6020B	Copper	0.0035J	mg/L	0.0050	08/11/23 20:24	B
EPA 6020B	Nickel	0.00095J	mg/L	0.0050	08/11/23 20:24	
EPA 6020B	Silver	0.0010J	mg/L	0.0050	08/11/23 20:24	
EPA 300.0 Rev 2.1 1993	Chloride	0.75J	mg/L	1.0	08/01/23 17:25	
EPA 300.0 Rev 2.1 1993	Sulfate	0.79J	mg/L	1.0	08/01/23 17:25	
92679955006	BOW-LF1-2-FB-04					
SM 2540C-2015	Total Dissolved Solids	50.0	mg/L	25.0	08/01/23 17:10	
92679955008	BOW-GWA-4RZ					
EPA 6010D	Potassium	0.77	mg/L	0.50	08/09/23 20:43	
EPA 6010D	Sodium	4.1	mg/L	1.0	08/09/23 20:43	
EPA 6010D	Calcium	43.0	mg/L	1.0	08/09/23 04:35	
EPA 6010D	Magnesium	18.2	mg/L	0.050	08/09/23 04:35	
EPA 6020B	Barium	0.043	mg/L	0.0050	08/11/23 20:53	
EPA 6020B	Cobalt	0.020	mg/L	0.0050	08/11/23 20:53	
SM 2540C-2015	Total Dissolved Solids	243	mg/L	25.0	08/01/23 18:15	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	244	mg/L	5.0	08/04/23 17:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	244	mg/L	5.0	08/04/23 17:57	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	08/01/23 21:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.077J	mg/L	0.10	08/01/23 21:03	
EPA 300.0 Rev 2.1 1993	Sulfate	19.6	mg/L	1.0	08/01/23 21:03	
92679955009	BOW-GWA-50					
EPA 6010D	Potassium	0.35J	mg/L	0.50	08/09/23 20:47	
EPA 6010D	Sodium	1.2	mg/L	1.0	08/09/23 20:47	
EPA 6010D	Calcium	1.3	mg/L	1.0	08/09/23 04:39	
EPA 6010D	Magnesium	0.27	mg/L	0.050	08/09/23 04:39	
EPA 6020B	Barium	0.0075	mg/L	0.0050	08/11/23 20:59	
EPA 6020B	Copper	0.0023J	mg/L	0.0050	08/11/23 20:59	B
EPA 6020B	Nickel	0.00094J	mg/L	0.0050	08/11/23 20:59	
EPA 6020B	Silver	0.00044J	mg/L	0.0050	08/11/23 20:59	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	5.9	mg/L	5.0	08/04/23 16:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	5.9	mg/L	5.0	08/04/23 16:46	
EPA 300.0 Rev 2.1 1993	Chloride	0.95J	mg/L	1.0	08/01/23 21:18	
EPA 300.0 Rev 2.1 1993	Sulfate	0.53J	mg/L	1.0	08/01/23 21:18	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679955010	BOW-GWA-50R					
EPA 6010D	Manganese	0.012J	mg/L	0.040	08/09/23 04:44	
EPA 6010D	Calcium	0.60J	mg/L	1.0	08/09/23 04:44	
EPA 6010D	Magnesium	0.22	mg/L	0.050	08/09/23 04:44	
EPA 6010D	Potassium	0.24J	mg/L	0.50	08/09/23 20:52	
EPA 6010D	Sodium	0.68J	mg/L	1.0	08/09/23 20:52	
EPA 6020B	Barium	0.0079	mg/L	0.0050	08/11/23 21:05	
EPA 6020B	Copper	0.0034J	mg/L	0.0050	08/11/23 21:05	B
EPA 6020B	Nickel	0.00092J	mg/L	0.0050	08/11/23 21:05	
EPA 6020B	Silver	0.00091J	mg/L	0.0050	08/11/23 21:05	
EPA 300.0 Rev 2.1 1993	Chloride	0.72J	mg/L	1.0	08/01/23 22:20	
EPA 300.0 Rev 2.1 1993	Sulfate	0.71J	mg/L	1.0	08/01/23 22:20	
92679955011	BOW-GWC-5					
EPA 6010D	Potassium	1.3	mg/L	0.50	08/09/23 20:57	
EPA 6010D	Sodium	1.3	mg/L	1.0	08/09/23 20:57	
EPA 6010D	Manganese	0.021J	mg/L	0.040	08/09/23 04:49	
EPA 6010D	Zinc	0.027	mg/L	0.020	08/09/23 04:49	
EPA 6010D	Calcium	1.9	mg/L	1.0	08/09/23 04:49	
EPA 6010D	Magnesium	0.21	mg/L	0.050	08/09/23 04:49	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/11/23 21:11	
EPA 6020B	Beryllium	0.00076	mg/L	0.00050	08/11/23 21:11	
EPA 6020B	Copper	0.024	mg/L	0.0050	08/11/23 21:11	
EPA 6020B	Nickel	0.0090	mg/L	0.0050	08/11/23 21:11	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	8.4	mg/L	5.0	08/04/23 17:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	8.4	mg/L	5.0	08/04/23 17:04	
EPA 300.0 Rev 2.1 1993	Chloride	0.69J	mg/L	1.0	08/01/23 22:36	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	08/01/23 22:36	
92679955012	BOW-GWC-6RZ					
EPA 6010D	Potassium	0.57	mg/L	0.50	08/09/23 21:02	
EPA 6010D	Sodium	1.2	mg/L	1.0	08/09/23 21:02	
EPA 6010D	Calcium	7.1	mg/L	1.0	08/09/23 04:54	
EPA 6010D	Magnesium	3.7	mg/L	0.050	08/09/23 04:54	
EPA 6020B	Barium	0.0062	mg/L	0.0050	08/11/23 21:17	
EPA 6020B	Chromium	0.0023J	mg/L	0.0050	08/11/23 21:17	
SM 2540C-2015	Total Dissolved Solids	46.0	mg/L	25.0	08/02/23 15:45	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	41.2	mg/L	5.0	08/04/23 17:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	41.2	mg/L	5.0	08/04/23 17:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/01/23 22:51	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/01/23 22:51	
92679955013	BOW-GWC-13RZ					
EPA 6010D	Potassium	1.0	mg/L	0.50	08/10/23 05:32	
EPA 6010D	Sodium	19.5	mg/L	1.0	08/10/23 05:32	M1
EPA 6010D	Calcium	40.6	mg/L	1.0	08/10/23 05:32	M1
EPA 6010D	Magnesium	17.9	mg/L	0.050	08/10/23 05:32	M1
EPA 6020B	Barium	0.092	mg/L	0.0050	08/11/23 21:23	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/11/23 21:23	
EPA 6020B	Copper	0.0011J	mg/L	0.0050	08/11/23 21:23	B

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679955013	BOW-GWC-13RZ					
SM 2540C-2015	Total Dissolved Solids	282	mg/L	25.0	08/04/23 17:13	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	08/09/23 21:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	166	mg/L	5.0	08/09/23 21:25	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	08/05/23 18:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	08/05/23 18:50	
EPA 300.0 Rev 2.1 1993	Sulfate	55.5	mg/L	1.0	08/05/23 18:50	
92679955014	BOW-GWC-15R					
EPA 6010D	Sodium	0.99J	mg/L	1.0	08/12/23 02:54	
EPA 6010D	Iron	0.074	mg/L	0.040	08/10/23 06:01	
EPA 6010D	Potassium	1.0	mg/L	0.50	08/10/23 06:01	
EPA 6010D	Calcium	34.6	mg/L	1.0	08/10/23 06:01	
EPA 6010D	Magnesium	17.1	mg/L	0.050	08/10/23 06:01	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/11/23 21:29	
EPA 6020B	Lead	0.00024J	mg/L	0.0010	08/11/23 21:29	
SM 2540C-2015	Total Dissolved Solids	136	mg/L	25.0	08/04/23 17:13	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	08/09/23 21:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	08/09/23 21:36	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/05/23 19:06	
EPA 300.0 Rev 2.1 1993	Sulfate	4.7	mg/L	1.0	08/05/23 19:06	
92679955016	BOW-GWA-3A					
EPA 6010D	Iron	0.098	mg/L	0.040	08/10/23 06:11	
EPA 6010D	Potassium	1.3	mg/L	0.50	08/10/23 06:11	
EPA 6010D	Calcium	22.6	mg/L	1.0	08/10/23 06:11	
EPA 6010D	Magnesium	11.4	mg/L	0.050	08/10/23 06:11	
EPA 6010D	Sodium	4.7	mg/L	1.0	08/12/23 03:04	
EPA 6020B	Barium	0.0074	mg/L	0.0050	08/11/23 21:41	
SM 2540C-2015	Total Dissolved Solids	113	mg/L	25.0	08/04/23 13:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	08/07/23 18:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	08/07/23 18:52	
EPA 300.0 Rev 2.1 1993	Chloride	5.7	mg/L	1.0	08/05/23 19:38	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	08/05/23 19:38	
92679955017	BOW-GWC-11					
EPA 6010D	Sodium	1.7	mg/L	1.0	08/12/23 03:09	
EPA 6010D	Potassium	0.88	mg/L	0.50	08/10/23 06:16	
EPA 6010D	Calcium	23.1	mg/L	1.0	08/10/23 06:16	
EPA 6010D	Magnesium	12.1	mg/L	0.050	08/10/23 06:16	
EPA 6020B	Barium	0.0096	mg/L	0.0050	08/11/23 21:59	
EPA 6020B	Chromium	0.0074	mg/L	0.0050	08/11/23 21:59	
SM 2540C-2015	Total Dissolved Solids	121	mg/L	25.0	08/04/23 13:30	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	08/07/23 19:00	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	08/07/23 19:00	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/05/23 20:25	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	08/05/23 20:25	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	08/05/23 20:25	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679955018	BOW-GWC-11R					
EPA 6010D	Potassium	1.0	mg/L	0.50	08/10/23 06:21	
EPA 6010D	Calcium	30.0	mg/L	1.0	08/10/23 06:21	
EPA 6010D	Magnesium	16.6	mg/L	0.050	08/10/23 06:21	
EPA 6010D	Sodium	1.0J	mg/L	1.0	08/12/23 03:14	
EPA 6020B	Barium	0.018	mg/L	0.0050	08/11/23 22:05	
EPA 6020B	Chromium	0.0050J	mg/L	0.0050	08/11/23 22:05	
SM 2540C-2015	Total Dissolved Solids	151	mg/L	25.0	08/04/23 13:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	08/07/23 19:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	138	mg/L	5.0	08/07/23 19:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	08/05/23 21:44	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	08/05/23 21:44	
92679955019	BOW-GWC-12					
EPA 6010D	Iron	9.0	mg/L	0.040	08/10/23 06:25	
EPA 6010D	Manganese	0.19	mg/L	0.040	08/10/23 06:25	
EPA 6010D	Potassium	1.2	mg/L	0.50	08/10/23 06:25	
EPA 6010D	Calcium	7.8	mg/L	1.0	08/10/23 06:25	
EPA 6010D	Magnesium	4.0	mg/L	0.050	08/10/23 06:25	
EPA 6010D	Sodium	2.4	mg/L	1.0	08/12/23 03:18	
EPA 6020B	Arsenic	0.0065	mg/L	0.0050	08/11/23 22:11	
EPA 6020B	Barium	0.022	mg/L	0.0050	08/11/23 22:11	
EPA 6020B	Cadmium	0.00035J	mg/L	0.00050	08/11/23 22:11	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	08/11/23 22:11	
EPA 6020B	Cobalt	0.0032J	mg/L	0.0050	08/11/23 22:11	
EPA 6020B	Copper	0.0039J	mg/L	0.0050	08/11/23 22:11	B
EPA 6020B	Nickel	0.0034J	mg/L	0.0050	08/11/23 22:11	
SM 2540C-2015	Total Dissolved Solids	63.0	mg/L	25.0	08/04/23 13:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	53.8	mg/L	5.0	08/07/23 19:18	
SM 2320B-2011	Alkalinity, Total as CaCO3	53.8	mg/L	5.0	08/07/23 19:18	
EPA 300.0 Rev 2.1 1993	Chloride	0.96J	mg/L	1.0	08/05/23 22:00	
92679955020	BOW-GWC-13					
EPA 6010D	Iron	0.033J	mg/L	0.040	08/10/23 06:30	
EPA 6010D	Manganese	0.012J	mg/L	0.040	08/10/23 06:30	
EPA 6010D	Potassium	1.5	mg/L	0.50	08/10/23 06:30	
EPA 6010D	Calcium	33.5	mg/L	1.0	08/10/23 06:30	
EPA 6010D	Magnesium	12.3	mg/L	0.050	08/10/23 06:30	
EPA 6010D	Sodium	1.8	mg/L	1.0	08/12/23 03:33	
EPA 6020B	Barium	0.026	mg/L	0.0050	08/11/23 22:17	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/11/23 22:17	
EPA 6020B	Chromium	0.0047J	mg/L	0.0050	08/11/23 22:17	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	25.0	08/04/23 13:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	112	mg/L	5.0	08/07/23 19:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	112	mg/L	5.0	08/07/23 19:25	
EPA 300.0 Rev 2.1 1993	Chloride	3.3	mg/L	1.0	08/05/23 22:16	
EPA 300.0 Rev 2.1 1993	Sulfate	28.8	mg/L	1.0	08/05/23 22:16	
92679955021	BOW-GWC-14Z					
EPA 6010D	Sodium	2.8	mg/L	1.0	08/12/23 03:38	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679955021	BOW-GWC-14Z					
EPA 6010D	Manganese	0.017J	mg/L	0.040	08/10/23 06:35	
EPA 6010D	Potassium	1.1	mg/L	0.50	08/10/23 06:35	
EPA 6010D	Calcium	12.5	mg/L	1.0	08/10/23 06:35	
EPA 6010D	Magnesium	5.4	mg/L	0.050	08/10/23 06:35	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/11/23 22:23	
EPA 6020B	Beryllium	0.000094J	mg/L	0.00050	08/11/23 22:23	
SM 2540C-2015	Total Dissolved Solids	83.0	mg/L	25.0	08/04/23 13:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	43.6	mg/L	5.0	08/07/23 19:34	
SM 2320B-2011	Alkalinity, Total as CaCO3	43.6	mg/L	5.0	08/07/23 19:34	
EPA 300.0 Rev 2.1 1993	Chloride	3.7	mg/L	1.0	08/05/23 22:32	
EPA 300.0 Rev 2.1 1993	Sulfate	6.6	mg/L	1.0	08/05/23 22:32	
92679955022	BOW-GWC-15Z					
EPA 6010D	Potassium	0.86	mg/L	0.50	08/10/23 06:40	
EPA 6010D	Calcium	24.5	mg/L	1.0	08/10/23 06:40	
EPA 6010D	Magnesium	13.2	mg/L	0.050	08/10/23 06:40	
EPA 6010D	Sodium	2.6	mg/L	1.0	08/12/23 03:43	
EPA 6020B	Antimony	0.0028J	mg/L	0.0030	08/16/23 14:28	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/16/23 14:28	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	25.0	08/04/23 13:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	08/09/23 11:16	
SM 2320B-2011	Alkalinity, Total as CaCO3	124	mg/L	5.0	08/09/23 11:16	
EPA 300.0 Rev 2.1 1993	Chloride	0.82J	mg/L	1.0	08/05/23 22:47	
EPA 300.0 Rev 2.1 1993	Sulfate	0.73J	mg/L	1.0	08/05/23 22:47	
92679955023	BOW-LF1-2-FD-05					
EPA 6010D	Sodium	2.5	mg/L	1.0	08/12/23 03:48	
EPA 6010D	Potassium	0.92	mg/L	0.50	08/10/23 06:45	
EPA 6010D	Calcium	24.1	mg/L	1.0	08/10/23 06:45	
EPA 6010D	Magnesium	13.0	mg/L	0.050	08/10/23 06:45	
EPA 6020B	Antimony	0.0026J	mg/L	0.0030	08/15/23 18:37	
EPA 6020B	Barium	0.010	mg/L	0.0050	08/15/23 18:37	
EPA 6020B	Boron	0.015J	mg/L	0.040	08/15/23 18:37	
SM 2540C-2015	Total Dissolved Solids	128	mg/L	25.0	08/04/23 13:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	126	mg/L	5.0	08/09/23 11:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	126	mg/L	5.0	08/09/23 11:40	
EPA 300.0 Rev 2.1 1993	Chloride	0.78J	mg/L	1.0	08/05/23 23:03	
EPA 300.0 Rev 2.1 1993	Sulfate	0.69J	mg/L	1.0	08/05/23 23:03	
92679955025	BOW-GWC-6					
EPA 6010D	Potassium	0.97	mg/L	0.50	08/10/23 07:04	
EPA 6010D	Calcium	14.6	mg/L	1.0	08/10/23 07:04	
EPA 6010D	Magnesium	7.4	mg/L	0.050	08/10/23 07:04	
EPA 6010D	Sodium	0.94J	mg/L	1.0	08/12/23 03:57	
EPA 6020B	Barium	0.0067	mg/L	0.0050	08/15/23 18:49	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	08/15/23 18:49	
SM 2540C-2015	Total Dissolved Solids	77.0	mg/L	25.0	08/04/23 13:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	67.0	mg/L	5.0	08/07/23 13:30	
SM 2320B-2011	Alkalinity, Total as CaCO3	67.0	mg/L	5.0	08/07/23 13:30	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92679955025	BOW-GWC-6					
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/05/23 23:35	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/05/23 23:35	
92679955026	BOW-GWC-7Z					
EPA 6010D	Iron	0.34	mg/L	0.040	08/10/23 07:09	
EPA 6010D	Manganese	0.24	mg/L	0.040	08/10/23 07:09	
EPA 6010D	Potassium	0.90	mg/L	0.50	08/10/23 07:09	
EPA 6010D	Calcium	23.6	mg/L	1.0	08/10/23 07:09	
EPA 6010D	Magnesium	12.4	mg/L	0.050	08/10/23 07:09	
EPA 6010D	Sodium	2.3	mg/L	1.0	08/12/23 04:02	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/15/23 18:55	
SM 2540C-2015	Total Dissolved Solids	113	mg/L	25.0	08/04/23 13:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	08/07/23 13:37	
SM 2320B-2011	Alkalinity, Total as CaCO3	120	mg/L	5.0	08/07/23 13:37	
EPA 300.0 Rev 2.1 1993	Chloride	0.94J	mg/L	1.0	08/05/23 23:50	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	08/05/23 23:50	
92679955027	BOW-GWC-8Z					
EPA 6010D	Potassium	1.6	mg/L	0.50	08/10/23 07:14	
EPA 6010D	Calcium	20.8	mg/L	1.0	08/10/23 07:14	
EPA 6010D	Magnesium	7.1	mg/L	0.050	08/10/23 07:14	
EPA 6010D	Sodium	1.8	mg/L	1.0	08/12/23 04:07	
EPA 6020B	Barium	0.024	mg/L	0.0050	08/15/23 19:13	
EPA 6020B	Beryllium	0.000056J	mg/L	0.00050	08/16/23 14:40	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	08/15/23 19:13	
SM 2540C-2015	Total Dissolved Solids	97.0	mg/L	25.0	08/04/23 13:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	83.5	mg/L	5.0	08/07/23 13:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	83.5	mg/L	5.0	08/07/23 13:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	08/06/23 00:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.056J	mg/L	0.10	08/06/23 00:38	
EPA 300.0 Rev 2.1 1993	Sulfate	0.81J	mg/L	1.0	08/06/23 00:38	
92679955028	BOW-GWC-8RR					
EPA 6010D	Potassium	1.2	mg/L	0.50	08/10/23 07:18	
EPA 6010D	Calcium	23.0	mg/L	1.0	08/10/23 07:18	
EPA 6010D	Magnesium	10.7	mg/L	0.050	08/10/23 07:18	
EPA 6010D	Sodium	0.78J	mg/L	1.0	08/12/23 04:12	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/15/23 19:18	
SM 2540C-2015	Total Dissolved Solids	96.0	mg/L	25.0	08/04/23 13:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	08/07/23 13:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	102	mg/L	5.0	08/07/23 13:54	
EPA 300.0 Rev 2.1 1993	Chloride	0.98J	mg/L	1.0	08/06/23 01:25	
EPA 300.0 Rev 2.1 1993	Sulfate	0.86J	mg/L	1.0	08/06/23 01:25	
92679955029	BOW-GWC-9					
EPA 6010D	Manganese	0.014J	mg/L	0.040	08/10/23 07:23	
EPA 6010D	Potassium	0.96	mg/L	0.50	08/10/23 07:23	
EPA 6010D	Calcium	11.6	mg/L	1.0	08/10/23 07:23	
EPA 6010D	Magnesium	4.6	mg/L	0.050	08/10/23 07:23	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679955029	BOW-GWC-9					
EPA 6010D	Sodium	1.2	mg/L	1.0	08/12/23 04:17	
EPA 6020B	Barium	0.046	mg/L	0.0050	08/16/23 14:52	
EPA 6020B	Beryllium	0.000097J	mg/L	0.00050	08/16/23 14:52	
EPA 6020B	Nickel	0.00071J	mg/L	0.0050	08/16/23 14:52	
SM 2540C-2015	Total Dissolved Solids	62.0	mg/L	25.0	08/04/23 13:28	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	44.3	mg/L	5.0	08/07/23 14:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	44.3	mg/L	5.0	08/07/23 14:12	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/06/23 01:41	
EPA 300.0 Rev 2.1 1993	Sulfate	4.1	mg/L	1.0	08/06/23 01:41	
92679955030	BOW-GWC-10					
EPA 6010D	Sodium	1.7	mg/L	1.0	08/12/23 04:31	
EPA 6010D	Iron	0.030J	mg/L	0.040	08/10/23 07:28	
EPA 6010D	Potassium	0.58	mg/L	0.50	08/10/23 07:28	
EPA 6010D	Calcium	33.7	mg/L	1.0	08/10/23 07:28	
EPA 6010D	Magnesium	15.3	mg/L	0.050	08/10/23 07:28	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/15/23 19:30	
EPA 6020B	Beryllium	0.000083J	mg/L	0.00050	08/16/23 14:57	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	08/15/23 19:30	
EPA 6020B	Cobalt	0.00070J	mg/L	0.0050	08/15/23 19:30	
SM 2540C-2015	Total Dissolved Solids	143	mg/L	25.0	08/04/23 13:28	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	08/07/23 14:19	
SM 2320B-2011	Alkalinity, Total as CaCO3	152	mg/L	5.0	08/07/23 14:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	08/06/23 01:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.070J	mg/L	0.10	08/06/23 01:57	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	08/06/23 01:57	
92679955031	BOW-GWC-10R					
EPA 6010D	Sodium	1.9	mg/L	1.0	08/12/23 04:36	
EPA 6010D	Potassium	0.76	mg/L	0.50	08/10/23 07:33	
EPA 6010D	Calcium	42.5	mg/L	1.0	08/10/23 07:33	
EPA 6010D	Magnesium	8.2	mg/L	0.050	08/10/23 07:33	
EPA 6020B	Barium	0.024	mg/L	0.0050	08/16/23 15:03	
SM 2540C-2015	Total Dissolved Solids	144	mg/L	25.0	08/04/23 13:28	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	08/07/23 14:29	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	08/07/23 14:29	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/06/23 02:13	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	08/06/23 02:13	
92679955032	BOW-LF1-2-FD-04					
EPA 6010D	Sodium	0.93J	mg/L	1.0	08/12/23 04:41	
EPA 6010D	Potassium	1.1	mg/L	0.50	08/10/23 07:38	
EPA 6010D	Calcium	14.6	mg/L	1.0	08/10/23 07:38	
EPA 6010D	Magnesium	7.3	mg/L	0.050	08/10/23 07:38	
EPA 6020B	Barium	0.0067	mg/L	0.0050	08/16/23 15:09	
EPA 6020B	Chromium	0.0019J	mg/L	0.0050	08/16/23 15:09	
SM 2540C-2015	Total Dissolved Solids	81.0	mg/L	25.0	08/04/23 13:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	66.0	mg/L	5.0	08/07/23 14:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	66.0	mg/L	5.0	08/07/23 14:40	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92679955032	BOW-LF1-2-FD-04					
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	08/06/23 02:29	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/06/23 02:29	
92679955033	BOW-LF1-2-FB-06					
EPA 6010D	Magnesium	0.061	mg/L	0.050	08/10/23 09:10	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-1		Lab ID: 92679955001		Collected: 07/27/23 11:20		Received: 07/31/23 13:46		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	0.037J	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:03	7439-89-6		
Manganese	0.076	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:03	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:03	7440-66-6		
Calcium	29.1	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:03	7440-70-2	M1	
Magnesium	14.4	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:03	7439-95-4	M1	
Potassium	1.3	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 19:16	7440-09-7		
Sodium	5.0	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 19:16	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.011	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/14/23 16:35	7440-36-0	BC	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 19:48	7440-38-2		
Barium	0.018	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 19:48	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 19:48	7440-41-7		
Boron	0.015J	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 19:48	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 19:48	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 19:48	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 19:48	7440-48-4		
Copper	0.0012J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 19:48	7440-50-8	B	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 19:48	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 19:48	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 19:48	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 19:48	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 19:48	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 19:48	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 12:56	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	167	mg/L	25.0	25.0	1		08/01/23 17:09			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	168	mg/L	5.0	5.0	1		08/03/23 21:12			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:12			
Alkalinity, Total as CaCO3	168	mg/L	5.0	5.0	1		08/03/23 21:12			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.2	mg/L	1.0	0.60	1		08/01/23 16:07	16887-00-6		
Fluoride	0.054J	mg/L	0.10	0.050	1		08/01/23 16:07	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-1		Lab ID: 92679955001		Collected: 07/27/23 11:20		Received: 07/31/23 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.4	mg/L	1.0	0.50	1		08/01/23 16:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-2		Lab ID: 92679955002		Collected: 07/27/23 16:08		Received: 07/31/23 13:46		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	0.027J	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:22	7439-89-6		
Manganese	0.034J	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:22	7439-96-5		
Zinc	0.011J	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:22	7440-66-6		
Calcium	23.3	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:22	7440-70-2		
Magnesium	7.8	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:22	7439-95-4		
Potassium	0.69	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 19:40	7440-09-7		
Sodium	1.4	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 19:40	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 19:54	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 19:54	7440-38-2		
Barium	0.020	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 19:54	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 19:54	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 19:54	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 19:54	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 19:54	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 19:54	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 19:54	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 19:54	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 19:54	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 19:54	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 19:54	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 19:54	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 19:54	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 12:58	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	177	mg/L	25.0	25.0	1		08/01/23 17:09			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	68.0	mg/L	5.0	5.0	1		08/03/23 21:23			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:23			
Alkalinity, Total as CaCO3	68.0	mg/L	5.0	5.0	1		08/03/23 21:23			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.3	mg/L	1.0	0.60	1		08/01/23 16:54	16887-00-6		
Fluoride	0.057J	mg/L	0.10	0.050	1		08/01/23 16:54	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-2		Lab ID: 92679955002		Collected: 07/27/23 16:08		Received: 07/31/23 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	44.0	mg/L	1.0	0.50	1		08/01/23 16:54	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-2R		Lab ID: 92679955003		Collected: 07/27/23 13:02		Received: 07/31/23 13:46		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	0.59	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 19:45	7440-09-7		
Sodium	1.1	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 19:45	7440-23-5		
Iron	0.30	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:37	7439-89-6		
Manganese	0.058	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:37	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:37	7440-66-6		
Calcium	28.0	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:37	7440-70-2		
Magnesium	7.7	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:37	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.0095	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/14/23 16:38	7440-36-0	BC	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 20:00	7440-38-2		
Barium	0.024	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 20:00	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 20:00	7440-41-7		
Boron	0.015J	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 20:00	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 20:00	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 20:00	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 20:00	7440-48-4		
Copper	0.0017J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 20:00	7440-50-8	B	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 20:00	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 20:00	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 20:00	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 20:00	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 20:00	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 20:00	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:01	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	155	mg/L	25.0	25.0	1		08/01/23 17:10			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	112	mg/L	5.0	5.0	1		08/03/23 21:30			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:30			
Alkalinity, Total as CaCO3	112	mg/L	5.0	5.0	1		08/03/23 21:30			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	0.92J	mg/L	1.0	0.60	1		08/01/23 17:09	16887-00-6		
Fluoride	0.062J	mg/L	0.10	0.050	1		08/01/23 17:09	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-2R		Lab ID: 92679955003		Collected: 07/27/23 13:02		Received: 07/31/23 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	17.6	mg/L	1.0	0.50	1		08/01/23 17:09	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FD-03 Lab ID: 92679955004 Collected: 07/28/23 00:00 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.37J	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 19:50	7440-09-7	
Sodium	0.79J	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 19:50	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:42	7439-89-6	
Manganese	0.013J	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:42	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:42	7440-66-6	
Calcium	0.66J	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:42	7440-70-2	
Magnesium	0.25	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0032	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/14/23 16:42	7440-36-0	BC
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 20:24	7440-38-2	
Barium	0.0086	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 20:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 20:24	7440-41-7	
Boron	0.016J	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 20:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 20:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 20:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 20:24	7440-48-4	
Copper	0.0035J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 20:24	7440-50-8	B
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 20:24	7439-92-1	
Nickel	0.00095J	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 20:24	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 20:24	7782-49-2	
Silver	0.0010J	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 20:24	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 20:24	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 20:24	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:03	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 18:14		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:26		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/04/23 16:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.75J	mg/L	1.0	0.60	1		08/01/23 17:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 17:25	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FD-03 **Lab ID: 92679955004** Collected: 07/28/23 00:00 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.79J	mg/L	1.0	0.50	1		08/01/23 17:25	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-05 **Lab ID: 92679955005** Collected: 07/28/23 12:55 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	ND	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 19:55	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 19:55	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:46	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:46	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:46	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:46	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 20:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 20:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 20:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 20:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 20:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 20:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 20:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 20:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 20:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 20:30	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 20:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 20:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 20:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 20:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 20:30	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:06	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 18:15		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:31		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:31		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/04/23 16:31		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/01/23 17:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 17:40	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-05 Lab ID: 92679955005 Collected: 07/28/23 12:55 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/01/23 17:40	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-04 **Lab ID: 92679955006** Collected: 07/27/23 15:25 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Potassium	ND	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 19:59	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 19:59	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 03:51	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 03:51	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 03:51	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 03:51	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 03:51	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 20:47	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 20:47	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 20:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 20:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 20:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 20:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 20:47	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 20:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 20:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 20:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 20:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 20:47	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	50.0	mg/L	25.0	25.0	1		08/01/23 17:10		
2320B Alkalinity									
Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/03/23 21:38		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/03/23 21:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/01/23 17:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 17:56	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-04 Lab ID: 92679955006 Collected: 07/27/23 15:25 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/01/23 17:56	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-4RZ		Lab ID: 92679955008		Collected: 07/28/23 09:14		Received: 07/31/23 13:46		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	0.77	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:43	7440-09-7		
Sodium	4.1	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:43	7440-23-5		
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:35	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:35	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:35	7440-66-6		
Calcium	43.0	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:35	7440-70-2		
Magnesium	18.2	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:35	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 20:53	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 20:53	7440-38-2		
Barium	0.043	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 20:53	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 20:53	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 20:53	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 20:53	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 20:53	7440-47-3		
Cobalt	0.020	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 20:53	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 20:53	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 20:53	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 20:53	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 20:53	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 20:53	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 20:53	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 20:53	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:11	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	243	mg/L	25.0	25.0	1		08/01/23 18:15			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	244	mg/L	5.0	5.0	1		08/04/23 17:57			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 17:57			
Alkalinity, Total as CaCO3	244	mg/L	5.0	5.0	1		08/04/23 17:57			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	3.0	mg/L	1.0	0.60	1		08/01/23 21:03	16887-00-6		
Fluoride	0.077J	mg/L	0.10	0.050	1		08/01/23 21:03	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-4RZ Lab ID: 92679955008 Collected: 07/28/23 09:14 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	19.6	mg/L	1.0	0.50	1		08/01/23 21:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-50 Lab ID: 92679955009 Collected: 07/28/23 11:01 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Potassium	0.35J	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:47	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:47	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:39	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:39	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:39	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:39	7440-70-2	
Magnesium	0.27	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:39	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 20:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 20:59	7440-38-2	
Barium	0.0075	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 20:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 20:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 20:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 20:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 20:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 20:59	7440-48-4	
Copper	0.0023J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 20:59	7440-50-8	B
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 20:59	7439-92-1	
Nickel	0.00094J	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 20:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 20:59	7782-49-2	
Silver	0.00044J	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 20:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 20:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 20:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:14	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 18:15		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	5.9	mg/L	5.0	5.0	1		08/04/23 16:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:46		
Alkalinity, Total as CaCO3	5.9	mg/L	5.0	5.0	1		08/04/23 16:46		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.95J	mg/L	1.0	0.60	1		08/01/23 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 21:18	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-50 Lab ID: 92679955009 Collected: 07/28/23 11:01 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.53J	mg/L	1.0	0.50	1		08/01/23 21:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-50R		Lab ID: 92679955010		Collected: 07/28/23 11:58		Received: 07/31/23 13:46		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:44	7439-89-6	
Manganese	0.012J	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:44	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:44	7440-66-6	
Calcium	0.60J	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:44	7440-70-2	
Magnesium	0.22	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:44	7439-95-4	
Potassium	0.24J	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:52	7440-09-7	
Sodium	0.68J	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:52	7440-23-5	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:05	7440-38-2	
Barium	0.0079	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:05	7440-48-4	
Copper	0.0034J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:05	7440-50-8	B
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:05	7439-92-1	
Nickel	0.00092J	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:05	7782-49-2	
Silver	0.00091J	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:05	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:16	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 18:16		
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 16:50		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/04/23 16:50		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.72J	mg/L	1.0	0.60	1		08/01/23 22:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 22:20	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-50R Lab ID: 92679955010 Collected: 07/28/23 11:58 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.71J	mg/L	1.0	0.50	1		08/01/23 22:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-5		Lab ID: 92679955011		Collected: 07/28/23 10:40		Received: 07/31/23 13:46		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	1.3	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 20:57	7440-09-7		
Sodium	1.3	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 20:57	7440-23-5		
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:49	7439-89-6		
Manganese	0.021J	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:49	7439-96-5		
Zinc	0.027	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:49	7440-66-6		
Calcium	1.9	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:49	7440-70-2		
Magnesium	0.21	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:49	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:11	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:11	7440-38-2		
Barium	0.012	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:11	7440-39-3		
Beryllium	0.00076	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:11	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:11	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:11	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:11	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:11	7440-48-4		
Copper	0.024	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:11	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:11	7439-92-1		
Nickel	0.0090	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:11	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:11	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:11	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:11	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:11	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:19	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/01/23 18:17			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	8.4	mg/L	5.0	5.0	1		08/04/23 17:04			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 17:04			
Alkalinity, Total as CaCO3	8.4	mg/L	5.0	5.0	1		08/04/23 17:04			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	0.69J	mg/L	1.0	0.60	1		08/01/23 22:36	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 22:36	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2
 Pace Project No.: 92679955

Sample: BOW-GWC-5		Lab ID: 92679955011		Collected: 07/28/23 10:40		Received: 07/31/23 13:46		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Sulfate	1.4	mg/L	1.0	0.50	1		08/01/23 22:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-6RZ		Lab ID: 92679955012		Collected: 07/28/23 12:15		Received: 07/31/23 13:46		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	0.57	mg/L	0.50	0.15	1	08/02/23 12:00	08/09/23 21:02	7440-09-7		
Sodium	1.2	mg/L	1.0	0.58	1	08/02/23 12:00	08/09/23 21:02	7440-23-5		
Iron	ND	mg/L	0.040	0.025	1	08/02/23 12:00	08/09/23 04:54	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/02/23 12:00	08/09/23 04:54	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/02/23 12:00	08/09/23 04:54	7440-66-6		
Calcium	7.1	mg/L	1.0	0.12	1	08/02/23 12:00	08/09/23 04:54	7440-70-2		
Magnesium	3.7	mg/L	0.050	0.012	1	08/02/23 12:00	08/09/23 04:54	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:17	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:17	7440-38-2		
Barium	0.0062	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:17	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:17	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:17	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:17	7440-43-9		
Chromium	0.0023J	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:17	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:17	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:17	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:17	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:17	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:17	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:17	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:17	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:17	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:27	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	46.0	mg/L	25.0	25.0	1		08/02/23 15:45			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	41.2	mg/L	5.0	5.0	1		08/04/23 17:09			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/04/23 17:09			
Alkalinity, Total as CaCO3	41.2	mg/L	5.0	5.0	1		08/04/23 17:09			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.3	mg/L	1.0	0.60	1		08/01/23 22:51	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/01/23 22:51	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-6RZ Lab ID: 92679955012 Collected: 07/28/23 12:15 Received: 07/31/23 13:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.7	mg/L	1.0	0.50	1		08/01/23 22:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-13RZ Lab ID: 92679955013 Collected: 08/02/23 09:51 Received: 08/03/23 14:20 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 05:32	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 05:32	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 05:32	7440-66-6	
Potassium	1.0	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 05:32	7440-09-7	
Sodium	19.5	mg/L	1.0	0.58	1	08/05/23 14:05	08/10/23 05:32	7440-23-5	M1
Calcium	40.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 05:32	7440-70-2	M1
Magnesium	17.9	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 05:32	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:23	7440-38-2	
Barium	0.092	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:23	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:23	7440-48-4	
Copper	0.0011J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:23	7440-50-8	B
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	282	mg/L	25.0	25.0	1		08/04/23 17:13		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	166	mg/L	5.0	5.0	1		08/09/23 21:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 21:25		
Alkalinity, Total as CaCO3	166	mg/L	5.0	5.0	1		08/09/23 21:25		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		08/05/23 18:50	16887-00-6	
Fluoride	0.14	mg/L	0.10	0.050	1		08/05/23 18:50	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-13RZ Lab ID: 92679955013 Collected: 08/02/23 09:51 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	55.5	mg/L	1.0	0.50	1		08/05/23 18:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-15R		Lab ID: 92679955014		Collected: 08/02/23 11:38		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	0.99J	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 02:54	7440-23-5		
Iron	0.074	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:01	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:01	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:01	7440-66-6		
Potassium	1.0	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:01	7440-09-7		
Calcium	34.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:01	7440-70-2		
Magnesium	17.1	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:01	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:29	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:29	7440-38-2		
Barium	0.015	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:29	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:29	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:29	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:29	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:29	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:29	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:29	7440-50-8		
Lead	0.00024J	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:29	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:29	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:29	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:29	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:29	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:29	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:32	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	136	mg/L	25.0	25.0	1		08/04/23 17:13			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	5.0	1		08/09/23 21:36			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 21:36			
Alkalinity, Total as CaCO3	159	mg/L	5.0	5.0	1		08/09/23 21:36			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.2	mg/L	1.0	0.60	1		08/05/23 19:06	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 19:06	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-15R Lab ID: 92679955014 Collected: 08/02/23 11:38 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	4.7	mg/L	1.0	0.50	1		08/05/23 19:06	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-08 Lab ID: 92679955015 Collected: 08/02/23 15:35 Received: 08/03/23 14:20 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:06	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:06	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:06	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:06	7440-09-7	
Calcium	ND	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:06	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:06	7439-95-4	
Sodium	ND	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 02:59	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:35	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:35	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/04/23 17:13		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 21:46		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 21:46		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/09/23 21:46		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/05/23 19:22	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 19:22	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-08 **Lab ID: 92679955015** Collected: 08/02/23 15:35 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/05/23 19:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-3A		Lab ID: 92679955016		Collected: 08/01/23 12:52		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	0.098	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:11	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:11	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:11	7440-66-6		
Potassium	1.3	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:11	7440-09-7		
Calcium	22.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:11	7440-70-2		
Magnesium	11.4	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:11	7439-95-4		
Sodium	4.7	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:04	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:41	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:41	7440-38-2		
Barium	0.0074	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:41	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:41	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:41	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:41	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:41	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:41	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:41	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:41	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:41	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:41	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:41	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:41	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:41	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:37	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	113	mg/L	25.0	25.0	1		08/04/23 13:29			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	5.0	1		08/07/23 18:52			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 18:52			
Alkalinity, Total as CaCO3	103	mg/L	5.0	5.0	1		08/07/23 18:52			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	5.7	mg/L	1.0	0.60	1		08/05/23 19:38	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 19:38	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWA-3A Lab ID: 92679955016 Collected: 08/01/23 12:52 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	3.0	mg/L	1.0	0.50	1		08/05/23 19:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-11 **Lab ID: 92679955017** Collected: 08/01/23 12:45 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Sodium	1.7	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:09	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:16	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:16	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:16	7440-66-6	
Potassium	0.88	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:16	7440-09-7	
Calcium	23.1	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:16	7440-70-2	
Magnesium	12.1	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 21:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 21:59	7440-38-2	
Barium	0.0096	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 21:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 21:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 21:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 21:59	7440-43-9	
Chromium	0.0074	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 21:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 21:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 21:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 21:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 21:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 21:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 21:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 21:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 21:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:40	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	121	mg/L	25.0	25.0	1		08/04/23 13:30		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	5.0	1		08/07/23 19:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 19:00		
Alkalinity, Total as CaCO3	103	mg/L	5.0	5.0	1		08/07/23 19:00		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.3	mg/L	1.0	0.60	1		08/05/23 20:25	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		08/05/23 20:25	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-11		Lab ID: 92679955017		Collected: 08/01/23 12:45		Received: 08/03/23 14:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.1	mg/L	1.0	0.50	1		08/05/23 20:25	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-11R		Lab ID: 92679955018		Collected: 08/01/23 10:48		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:21	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:21	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:21	7440-66-6		
Potassium	1.0	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:21	7440-09-7		
Calcium	30.0	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:21	7440-70-2		
Magnesium	16.6	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:21	7439-95-4		
Sodium	1.0J	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:14	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 22:05	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 22:05	7440-38-2		
Barium	0.018	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 22:05	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 22:05	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 22:05	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 22:05	7440-43-9		
Chromium	0.0050J	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 22:05	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 22:05	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 22:05	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 22:05	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 22:05	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 22:05	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 22:05	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 22:05	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 22:05	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:43	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	151	mg/L	25.0	25.0	1		08/04/23 13:32			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	138	mg/L	5.0	5.0	1		08/07/23 19:09			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 19:09			
Alkalinity, Total as CaCO3	138	mg/L	5.0	5.0	1		08/07/23 19:09			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.6	mg/L	1.0	0.60	1		08/05/23 21:44	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 21:44	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-11R Lab ID: 92679955018 Collected: 08/01/23 10:48 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.9	mg/L	1.0	0.50	1		08/05/23 21:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-12		Lab ID: 92679955019		Collected: 08/01/23 15:00		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	9.0	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:25	7439-89-6		
Manganese	0.19	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:25	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:25	7440-66-6		
Potassium	1.2	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:25	7440-09-7		
Calcium	7.8	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:25	7440-70-2		
Magnesium	4.0	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:25	7439-95-4		
Sodium	2.4	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:18	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 22:11	7440-36-0		
Arsenic	0.0065	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 22:11	7440-38-2		
Barium	0.022	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 22:11	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 22:11	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 22:11	7440-42-8		
Cadmium	0.00035J	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 22:11	7440-43-9		
Chromium	0.0016J	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 22:11	7440-47-3		
Cobalt	0.0032J	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 22:11	7440-48-4		
Copper	0.0039J	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 22:11	7440-50-8	B	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 22:11	7439-92-1		
Nickel	0.0034J	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 22:11	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 22:11	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 22:11	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 22:11	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 22:11	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:45	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	63.0	mg/L	25.0	25.0	1		08/04/23 13:32			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	53.8	mg/L	5.0	5.0	1		08/07/23 19:18			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 19:18			
Alkalinity, Total as CaCO3	53.8	mg/L	5.0	5.0	1		08/07/23 19:18			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	0.96J	mg/L	1.0	0.60	1		08/05/23 22:00	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 22:00	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-12 Lab ID: 92679955019 Collected: 08/01/23 15:00 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/05/23 22:00	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-13 Lab ID: 92679955020 Collected: 08/01/23 12:58 Received: 08/03/23 14:20 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.033J	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:30	7439-89-6	
Manganese	0.012J	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:30	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:30	7440-66-6	
Potassium	1.5	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:30	7440-09-7	
Calcium	33.5	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:30	7440-70-2	
Magnesium	12.3	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:30	7439-95-4	
Sodium	1.8	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:33	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 22:17	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 22:17	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 22:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 22:17	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 22:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 22:17	7440-43-9	
Chromium	0.0047J	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 22:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 22:17	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 22:17	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 22:17	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 22:17	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 22:17	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 22:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 22:17	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 22:17	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/07/23 16:00	08/08/23 13:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	197	mg/L	25.0	25.0	1		08/04/23 13:32		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	112	mg/L	5.0	5.0	1		08/07/23 19:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 19:25		
Alkalinity, Total as CaCO3	112	mg/L	5.0	5.0	1		08/07/23 19:25		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.3	mg/L	1.0	0.60	1		08/05/23 22:16	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 22:16	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-13		Lab ID: 92679955020		Collected: 08/01/23 12:58	Received: 08/03/23 14:20	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	28.8	mg/L	1.0	0.50	1		08/05/23 22:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-14Z Lab ID: 92679955021 Collected: 08/01/23 15:02 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Sodium	2.8	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:38	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:35	7439-89-6	
Manganese	0.017J	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:35	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:35	7440-66-6	
Potassium	1.1	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:35	7440-09-7	
Calcium	12.5	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:35	7440-70-2	
Magnesium	5.4	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:35	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 10:38	08/11/23 22:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 10:38	08/11/23 22:23	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/07/23 10:38	08/11/23 22:23	7440-39-3	
Beryllium	0.000094J	mg/L	0.00050	0.000054	1	08/07/23 10:38	08/11/23 22:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 10:38	08/11/23 22:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 10:38	08/11/23 22:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 10:38	08/11/23 22:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 10:38	08/11/23 22:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 10:38	08/11/23 22:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 10:38	08/11/23 22:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 10:38	08/11/23 22:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 10:38	08/11/23 22:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 10:38	08/11/23 22:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 10:38	08/11/23 22:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 10:38	08/11/23 22:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 15:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	83.0	mg/L	25.0	25.0	1		08/04/23 13:33		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	43.6	mg/L	5.0	5.0	1		08/07/23 19:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 19:34		
Alkalinity, Total as CaCO3	43.6	mg/L	5.0	5.0	1		08/07/23 19:34		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.7	mg/L	1.0	0.60	1		08/05/23 22:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 22:32	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-14Z **Lab ID: 92679955021** Collected: 08/01/23 15:02 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	6.6	mg/L	1.0	0.50	1		08/05/23 22:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-15Z		Lab ID: 92679955022		Collected: 08/01/23 14:33		Received: 08/03/23 14:20		Matrix: Water	
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:40	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:40	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:40	7440-66-6	
Potassium	0.86	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:40	7440-09-7	
Calcium	24.5	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:40	7440-70-2	
Magnesium	13.2	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:40	7439-95-4	
Sodium	2.6	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:43	7440-23-5	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0028J	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 14:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 14:28	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 14:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 14:28	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 14:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 14:28	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 14:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 14:28	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 14:28	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 14:28	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 14:28	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 14:28	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 14:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 14:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 14:28	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 15:46	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	114	mg/L	25.0	25.0	1		08/04/23 13:33		
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	124	mg/L	5.0	5.0	1		08/09/23 11:16		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 11:16		
Alkalinity, Total as CaCO3	124	mg/L	5.0	5.0	1		08/09/23 11:16		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.82J	mg/L	1.0	0.60	1		08/05/23 22:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 22:47	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-15Z Lab ID: 92679955022 Collected: 08/01/23 14:33 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.73J	mg/L	1.0	0.50	1		08/05/23 22:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FD-05 Lab ID: 92679955023 Collected: 08/01/23 00:00 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Sodium	2.5	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:48	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:45	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:45	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:45	7440-66-6	
Potassium	0.92	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:45	7440-09-7	
Calcium	24.1	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:45	7440-70-2	
Magnesium	13.0	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:45	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0026J	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/15/23 18:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 18:37	7440-38-2	
Barium	0.010	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 18:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/15/23 18:37	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	08/07/23 14:07	08/15/23 18:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 18:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 18:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 18:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 18:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 18:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 18:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 18:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 18:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 18:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 18:37	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 15:49	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	128	mg/L	25.0	25.0	1		08/04/23 13:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	126	mg/L	5.0	5.0	1		08/09/23 11:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 11:40		
Alkalinity, Total as CaCO3	126	mg/L	5.0	5.0	1		08/09/23 11:40		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.78J	mg/L	1.0	0.60	1		08/05/23 23:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 23:03	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FD-05 Lab ID: 92679955023 Collected: 08/01/23 00:00 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.69J	mg/L	1.0	0.50	1		08/05/23 23:03	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-07 **Lab ID: 92679955024** Collected: 08/01/23 15:30 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Sodium	ND	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:52	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 06:59	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 06:59	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 06:59	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 06:59	7440-09-7	
Calcium	ND	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 06:59	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 06:59	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/15/23 18:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 18:43	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 18:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/15/23 18:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/15/23 18:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 18:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 18:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 18:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 18:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 18:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 18:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 18:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 18:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 18:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 18:43	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 15:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/04/23 13:35		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 11:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 11:51		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/09/23 11:51		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/05/23 23:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 23:19	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-07 Lab ID: 92679955024 Collected: 08/01/23 15:30 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/05/23 23:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-6		Lab ID: 92679955025		Collected: 07/31/23 10:15		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:04	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:04	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:04	7440-66-6		
Potassium	0.97	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:04	7440-09-7		
Calcium	14.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:04	7440-70-2		
Magnesium	7.4	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:04	7439-95-4		
Sodium	0.94J	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 03:57	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/15/23 18:49	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 18:49	7440-38-2		
Barium	0.0067	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 18:49	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 14:34	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 14:34	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 18:49	7440-43-9		
Chromium	0.0024J	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 18:49	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 18:49	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 18:49	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 18:49	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 18:49	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 18:49	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 18:49	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 18:49	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 18:49	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 15:59	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	77.0	mg/L	25.0	25.0	1		08/04/23 13:26			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	67.0	mg/L	5.0	5.0	1		08/07/23 13:30			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 13:30			
Alkalinity, Total as CaCO3	67.0	mg/L	5.0	5.0	1		08/07/23 13:30			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.3	mg/L	1.0	0.60	1		08/05/23 23:35	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 23:35	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-6		Lab ID: 92679955025		Collected: 07/31/23 10:15		Received: 08/03/23 14:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.7	mg/L	1.0	0.50	1		08/05/23 23:35	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-7Z		Lab ID: 92679955026		Collected: 07/31/23 11:50		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	0.34	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:09	7439-89-6		
Manganese	0.24	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:09	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:09	7440-66-6		
Potassium	0.90	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:09	7440-09-7		
Calcium	23.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:09	7440-70-2		
Magnesium	12.4	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:09	7439-95-4		
Sodium	2.3	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:02	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/15/23 18:55	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 18:55	7440-38-2		
Barium	0.014	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 18:55	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/15/23 18:55	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/15/23 18:55	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 18:55	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 18:55	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 18:55	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 18:55	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 18:55	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 18:55	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 18:55	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 18:55	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 18:55	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 18:55	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:02	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	113	mg/L	25.0	25.0	1		08/04/23 13:27			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	5.0	1		08/07/23 13:37			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 13:37			
Alkalinity, Total as CaCO3	120	mg/L	5.0	5.0	1		08/07/23 13:37			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	0.94J	mg/L	1.0	0.60	1		08/05/23 23:50	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 23:50	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-7Z Lab ID: 92679955026 Collected: 07/31/23 11:50 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.1	mg/L	1.0	0.50	1		08/05/23 23:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-8Z		Lab ID: 92679955027		Collected: 07/31/23 15:45		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:14	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:14	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:14	7440-66-6		
Potassium	1.6	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:14	7440-09-7		
Calcium	20.8	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:14	7440-70-2		
Magnesium	7.1	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:14	7439-95-4		
Sodium	1.8	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:07	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 14:40	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 19:13	7440-38-2		
Barium	0.024	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 19:13	7440-39-3		
Beryllium	0.000056J	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 14:40	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 14:40	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 19:13	7440-43-9		
Chromium	0.0016J	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 19:13	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 19:13	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 19:13	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 19:13	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 19:13	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 19:13	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 19:13	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 19:13	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 19:13	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:05	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	97.0	mg/L	25.0	25.0	1		08/04/23 13:27			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	83.5	mg/L	5.0	5.0	1		08/07/23 13:46			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 13:46			
Alkalinity, Total as CaCO3	83.5	mg/L	5.0	5.0	1		08/07/23 13:46			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.5	mg/L	1.0	0.60	1		08/06/23 00:38	16887-00-6		
Fluoride	0.056J	mg/L	0.10	0.050	1		08/06/23 00:38	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-8Z Lab ID: 92679955027 Collected: 07/31/23 15:45 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.81J	mg/L	1.0	0.50	1		08/06/23 00:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-8RR **Lab ID: 92679955028** Collected: 07/31/23 13:25 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:18	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:18	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:18	7440-66-6	
Potassium	1.2	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:18	7440-09-7	
Calcium	23.0	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:18	7440-70-2	
Magnesium	10.7	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:18	7439-95-4	
Sodium	0.78J	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:12	7440-23-5	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 14:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 19:18	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 14:46	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 14:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 19:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 19:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 19:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 19:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 19:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 19:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 19:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 19:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 19:18	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:07	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	96.0	mg/L	25.0	25.0	1	08/04/23 13:27			
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	5.0	1	08/07/23 13:54			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1	08/07/23 13:54			
Alkalinity, Total as CaCO3	102	mg/L	5.0	5.0	1	08/07/23 13:54			

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.98J	mg/L	1.0	0.60	1	08/06/23 01:25	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1	08/06/23 01:25	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-8RR Lab ID: 92679955028 Collected: 07/31/23 13:25 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.86J	mg/L	1.0	0.50	1		08/06/23 01:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-9		Lab ID: 92679955029		Collected: 07/31/23 10:26		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:23	7439-89-6		
Manganese	0.014J	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:23	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:23	7440-66-6		
Potassium	0.96	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:23	7440-09-7		
Calcium	11.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:23	7440-70-2		
Magnesium	4.6	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:23	7439-95-4		
Sodium	1.2	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:17	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 14:52	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 14:52	7440-38-2		
Barium	0.046	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 14:52	7440-39-3		
Beryllium	0.000097J	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 14:52	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 14:52	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 14:52	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 14:52	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 14:52	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 14:52	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 14:52	7439-92-1		
Nickel	0.00071J	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 14:52	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 14:52	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 14:52	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 14:52	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 14:52	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:10	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	62.0	mg/L	25.0	25.0	1		08/04/23 13:28			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	44.3	mg/L	5.0	5.0	1		08/07/23 14:12			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 14:12			
Alkalinity, Total as CaCO3	44.3	mg/L	5.0	5.0	1		08/07/23 14:12			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.0	mg/L	1.0	0.60	1		08/06/23 01:41	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 01:41	16984-48-8		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-9 Lab ID: 92679955029 Collected: 07/31/23 10:26 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	4.1	mg/L	1.0	0.50	1		08/06/23 01:41	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-10		Lab ID: 92679955030		Collected: 07/31/23 14:17		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	1.7	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:31	7440-23-5		
Iron	0.030J	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:28	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:28	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:28	7440-66-6		
Potassium	0.58	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:28	7440-09-7		
Calcium	33.7	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:28	7440-70-2		
Magnesium	15.3	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:28	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 14:57	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 19:30	7440-38-2		
Barium	0.015	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 19:30	7440-39-3		
Beryllium	0.000083J	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 14:57	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 14:57	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 19:30	7440-43-9		
Chromium	0.0019J	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 19:30	7440-47-3		
Cobalt	0.00070J	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 19:30	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 19:30	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 19:30	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 19:30	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 19:30	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 19:30	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 19:30	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 19:30	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:13	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	143	mg/L	25.0	25.0	1		08/04/23 13:28			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	5.0	1		08/07/23 14:19			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 14:19			
Alkalinity, Total as CaCO3	152	mg/L	5.0	5.0	1		08/07/23 14:19			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.1	mg/L	1.0	0.60	1		08/06/23 01:57	16887-00-6		
Fluoride	0.070J	mg/L	0.10	0.050	1		08/06/23 01:57	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-10		Lab ID: 92679955030		Collected: 07/31/23 14:17		Received: 08/03/23 14:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.6	mg/L	1.0	0.50	1		08/06/23 01:57	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-10R		Lab ID: 92679955031		Collected: 07/31/23 15:26		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Sodium	1.9	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:36	7440-23-5		
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:33	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:33	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:33	7440-66-6		
Potassium	0.76	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:33	7440-09-7		
Calcium	42.5	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:33	7440-70-2		
Magnesium	8.2	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:33	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:03	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:03	7440-38-2		
Barium	0.024	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 15:03	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:03	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:03	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 15:03	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 15:03	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 15:03	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 15:03	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 15:03	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 15:03	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:03	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 15:03	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 15:03	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 15:03	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:15	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	144	mg/L	25.0	25.0	1		08/04/23 13:28			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	5.0	1		08/07/23 14:29			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 14:29			
Alkalinity, Total as CaCO3	148	mg/L	5.0	5.0	1		08/07/23 14:29			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.3	mg/L	1.0	0.60	1		08/06/23 02:13	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 02:13	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-GWC-10R Lab ID: 92679955031 Collected: 07/31/23 15:26 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.3	mg/L	1.0	0.50	1		08/06/23 02:13	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FD-04 Lab ID: 92679955032 Collected: 07/31/23 00:00 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Sodium	0.93J	mg/L	1.0	0.58	1	08/05/23 14:05	08/12/23 04:41	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/05/23 14:05	08/10/23 07:38	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/05/23 14:05	08/10/23 07:38	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/05/23 14:05	08/10/23 07:38	7440-66-6	
Potassium	1.1	mg/L	0.50	0.15	1	08/05/23 14:05	08/10/23 07:38	7440-09-7	
Calcium	14.6	mg/L	1.0	0.12	1	08/05/23 14:05	08/10/23 07:38	7440-70-2	
Magnesium	7.3	mg/L	0.050	0.012	1	08/05/23 14:05	08/10/23 07:38	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:09	7440-38-2	
Barium	0.0067	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 15:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:09	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 15:09	7440-43-9	
Chromium	0.0019J	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 15:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 15:09	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 15:09	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 15:09	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 15:09	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:09	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 15:09	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 15:09	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 15:09	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	81.0	mg/L	25.0	25.0	1		08/04/23 13:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	66.0	mg/L	5.0	5.0	1		08/07/23 14:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 14:40		
Alkalinity, Total as CaCO3	66.0	mg/L	5.0	5.0	1		08/07/23 14:40		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		08/06/23 02:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 02:29	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FD-04 Lab ID: 92679955032 Collected: 07/31/23 00:00 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.7	mg/L	1.0	0.50	1		08/06/23 02:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-06 Lab ID: 92679955033 Collected: 07/31/23 16:35 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	ND	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:03	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:03	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 09:10	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 09:10	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 09:10	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 09:10	7440-70-2	
Magnesium	0.061	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 09:10	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:15	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 15:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:15	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 15:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 15:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 15:15	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 15:15	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 15:15	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 15:15	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:15	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 15:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 15:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 15:15	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:26	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/04/23 13:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 14:47		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/07/23 14:47		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/07/23 14:47		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/06/23 02:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 02:44	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Sample: BOW-LF1-2-FB-06 **Lab ID: 92679955033** Collected: 07/31/23 16:35 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/06/23 02:44	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	790842	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012		

METHOD BLANK:	4098387	Matrix:	Water
Associated Lab Samples:	92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/09/23 02:53	
Iron	mg/L	ND	0.040	0.025	08/09/23 02:53	
Magnesium	mg/L	ND	0.050	0.012	08/09/23 02:53	
Manganese	mg/L	ND	0.040	0.011	08/09/23 02:53	
Potassium	mg/L	ND	0.50	0.15	08/09/23 19:07	
Sodium	mg/L	ND	1.0	0.58	08/09/23 19:07	
Zinc	mg/L	ND	0.020	0.0085	08/09/23 02:53	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	
Iron	mg/L	1	0.96	96	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	1	1.0	101	80-120	
Potassium	mg/L	1	0.97	97	80-120	
Sodium	mg/L	1	0.96J	96	80-120	
Zinc	mg/L	1	1.0	101	80-120	

Parameter	Units	4098389		4098390		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Calcium	mg/L	29.1	1	29.2	1	8	-92	75-125	3	20	M1
Iron	mg/L	0.037J	1	0.99	1	96	90	75-125	6	20	
Magnesium	mg/L	14.4	1	15.0	1	59	-2	75-125	4	20	M1
Manganese	mg/L	0.076	1	1.1	1	103	98	75-125	4	20	
Potassium	mg/L	1.3	1	2.5	1	125	78	75-125	20	20	
Sodium	mg/L	5.0	1	6.2	1	125	90	75-125	6	20	
Zinc	mg/L	ND	1	1.0	1	103	98	75-125	5	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791582 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92679955013, 92679955014, 92679955015, 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021, 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032

METHOD BLANK: 4102480 Matrix: Water
 Associated Lab Samples: 92679955013, 92679955014, 92679955015, 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021, 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/10/23 05:22	
Iron	mg/L	ND	0.040	0.025	08/10/23 05:22	
Magnesium	mg/L	ND	0.050	0.012	08/10/23 05:22	
Manganese	mg/L	ND	0.040	0.011	08/10/23 05:22	
Potassium	mg/L	ND	0.50	0.15	08/10/23 05:22	
Sodium	mg/L	ND	1.0	0.58	08/10/23 05:22	
Zinc	mg/L	ND	0.020	0.0085	08/10/23 05:22	

LABORATORY CONTROL SAMPLE: 4102481

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	
Iron	mg/L	1	0.93	93	80-120	
Magnesium	mg/L	1	0.96	96	80-120	
Manganese	mg/L	1	0.99	99	80-120	
Potassium	mg/L	1	1.1	108	80-120	
Sodium	mg/L	1	0.91J	91	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102482 4102483

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679955013 Result	Spike Conc.	Spike Conc.	Conc.								
Calcium	mg/L	40.6	1	1	42.8	42.3	219	170	75-125	1	20	M1	
Iron	mg/L	ND	1	1	1.0	0.97	100	95	75-125	5	20		
Magnesium	mg/L	17.9	1	1	19.3	19.1	140	121	75-125	1	20	M1	
Manganese	mg/L	ND	1	1	1.0	0.98	101	98	75-125	2	20		
Potassium	mg/L	1.0	1	1	1.9	2.0	95	102	75-125	4	20		
Sodium	mg/L	19.5	1	1	20.7	20.5	127	99	75-125	1	20	M1	
Zinc	mg/L	ND	1	1	1.0	0.98	100	98	75-125	3	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 792060

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679955033

METHOD BLANK: 4104242

Matrix: Water

Associated Lab Samples: 92679955033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/10/23 09:00	
Iron	mg/L	ND	0.040	0.025	08/10/23 09:00	
Magnesium	mg/L	ND	0.050	0.012	08/10/23 09:00	
Manganese	mg/L	ND	0.040	0.011	08/10/23 09:00	
Potassium	mg/L	ND	0.50	0.15	08/12/23 00:53	
Sodium	mg/L	ND	1.0	0.58	08/12/23 00:53	
Zinc	mg/L	ND	0.020	0.0085	08/10/23 09:00	

LABORATORY CONTROL SAMPLE: 4104243

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0J	100	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	1	1.0	105	80-120	
Potassium	mg/L	1	1.1	108	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104244 4104245

Parameter	Units	92679955033		4104245		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	ND	1	1	1.0	0.99J	90	88	75-125	20	
Iron	mg/L	ND	1	1	0.96	0.98	96	98	75-125	2	20
Magnesium	mg/L	0.061	1	1	1.0	1.0	97	97	75-125	0	20
Manganese	mg/L	ND	1	1	1.0	1.0	103	104	75-125	1	20
Potassium	mg/L	ND	1	1	1.0	1.1	100	109	75-125	8	20
Sodium	mg/L	ND	1	1	1.0	1.0J	100	99	75-125		20
Zinc	mg/L	ND	1	1	1.0	1.0	104	104	75-125	0	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791813 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012, 92679955013, 92679955014, 92679955015, 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021

METHOD BLANK: 4103105 Matrix: Water

Associated Lab Samples: 92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012, 92679955013, 92679955014, 92679955015, 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/11/23 19:36	
Arsenic	mg/L	ND	0.0050	0.0037	08/11/23 19:36	
Barium	mg/L	ND	0.0050	0.00067	08/11/23 19:36	
Beryllium	mg/L	ND	0.00050	0.000054	08/11/23 19:36	
Boron	mg/L	ND	0.040	0.0086	08/11/23 19:36	
Cadmium	mg/L	ND	0.00050	0.00011	08/11/23 19:36	
Chromium	mg/L	ND	0.0050	0.0011	08/11/23 19:36	
Cobalt	mg/L	ND	0.0050	0.00039	08/11/23 19:36	
Copper	mg/L	0.0010J	0.0050	0.0010	08/11/23 19:36	
Lead	mg/L	ND	0.0010	0.00012	08/11/23 19:36	
Nickel	mg/L	ND	0.0050	0.00071	08/11/23 19:36	
Selenium	mg/L	ND	0.0050	0.0014	08/11/23 19:36	
Silver	mg/L	ND	0.0050	0.00044	08/11/23 19:36	
Thallium	mg/L	ND	0.0010	0.00018	08/11/23 19:36	
Vanadium	mg/L	ND	0.010	0.0025	08/11/23 19:36	

LABORATORY CONTROL SAMPLE: 4103106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.11	106	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.11	105	80-120	
Chromium	mg/L	0.1	0.11	105	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Nickel	mg/L	0.1	0.10	102	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Parameter	Units	4103107		4103108		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679955003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	0.0095	0.1	0.1	0.12	0.12	109	110	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.11	0.11	103	106	75-125	3	20		
Barium	mg/L	0.024	0.1	0.1	0.12	0.13	100	101	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	105	106	75-125	1	20		
Boron	mg/L	0.015J	1	1	0.97	0.99	96	98	75-125	2	20		
Cadmium	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	0	20		
Chromium	mg/L	ND	0.1	0.1	0.11	0.11	105	107	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20		
Copper	mg/L	0.0017J	0.1	0.1	0.10	0.11	101	107	75-125	6	20		
Lead	mg/L	ND	0.1	0.1	0.10	0.10	100	104	75-125	4	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.11	104	108	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.098	0.10	98	103	75-125	5	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	106	107	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791900 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033

METHOD BLANK: 4103555 Matrix: Water
Associated Lab Samples: 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033

Table with 7 columns: Parameter, Units, Blank Result, Reporting Limit, MDL, Analyzed, Qualifiers. Lists various elements like Antimony, Arsenic, Barium, etc.

LABORATORY CONTROL SAMPLE: 4103556

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Lists various elements like Antimony, Arsenic, Barium, etc.

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Parameter	Units	4103557		4103558		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92679955022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	0.0028J	0.1	0.1	0.11	0.11	104	106	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20	
Barium	mg/L	0.011	0.1	0.1	0.11	0.11	97	99	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	1	20	
Boron	mg/L	ND	1	1	0.93	0.93	92	92	75-125	0	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	791878	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012, 92679955013, 92679955014, 92679955015, 92679955016, 92679955017, 92679955018, 92679955019, 92679955020		

METHOD BLANK:	4103505	Matrix:	Water
Associated Lab Samples:	92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012, 92679955013, 92679955014, 92679955015, 92679955016, 92679955017, 92679955018, 92679955019, 92679955020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/08/23 12:34	

LABORATORY CONTROL SAMPLE:	4103506					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0021	84	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4103507			4103508								
Parameter	Units	92678887001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0021	0.0021	85	84	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	791930	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92679955021, 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033		

METHOD BLANK:	4103654	Matrix:	Water
Associated Lab Samples:	92679955021, 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/08/23 15:31	

LABORATORY CONTROL SAMPLE: 4103655						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4103656												4103657	
Parameter	Units	92679955021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Mercury	mg/L	ND	0.0025	0.0025	0.0021	0.0020	82	82	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	790452	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679955001, 92679955002, 92679955003, 92679955006

METHOD BLANK: 4096719 Matrix: Water
 Associated Lab Samples: 92679955001, 92679955002, 92679955003, 92679955006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/01/23 17:05	

LABORATORY CONTROL SAMPLE: 4096720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	411	103	80-120	

SAMPLE DUPLICATE: 4096721

Parameter	Units	92679665016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	33.0	43.0	26	10	D6

SAMPLE DUPLICATE: 4096722

Parameter	Units	92679665018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	105	104	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	790456	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92679955004, 92679955005, 92679955008, 92679955009, 92679955010, 92679955011

METHOD BLANK: 4096731 Matrix: Water

Associated Lab Samples: 92679955004, 92679955005, 92679955008, 92679955009, 92679955010, 92679955011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/01/23 18:14	

LABORATORY CONTROL SAMPLE: 4096732

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	437	109	80-120	

SAMPLE DUPLICATE: 4096733

Parameter	Units	92679955004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	790976	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
Associated Lab Samples:	92679955012	Laboratory:	Pace Analytical Services - Peachtree Corners, GA

METHOD BLANK: 4099054 Matrix: Water
 Associated Lab Samples: 92679955012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/02/23 15:45	

LABORATORY CONTROL SAMPLE: 4099055

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	431	108	80-120	

SAMPLE DUPLICATE: 4099056

Parameter	Units	92679955012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	46.0	47.0	2	10	

SAMPLE DUPLICATE: 4099057

Parameter	Units	92680291003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	68.0	67.0	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791475 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021, 92679955022,
 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029,
 92679955030, 92679955031, 92679955032, 92679955033

METHOD BLANK: 4101761 Matrix: Water
 Associated Lab Samples: 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021, 92679955022,
 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029,
 92679955030, 92679955031, 92679955032, 92679955033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/04/23 13:26	

LABORATORY CONTROL SAMPLE: 4101762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	438	110	80-120	

SAMPLE DUPLICATE: 4101763

Parameter	Units	92679955025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	77.0	79.0	3	10	

SAMPLE DUPLICATE: 4101764

Parameter	Units	92679955017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	121	112	8	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	791478	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92679955013, 92679955014, 92679955015		

METHOD BLANK: 4101769 Matrix: Water

Associated Lab Samples: 92679955013, 92679955014, 92679955015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/04/23 17:11	

LABORATORY CONTROL SAMPLE: 4101770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	438	110	80-120	

SAMPLE DUPLICATE: 4101771

Parameter	Units	92680829003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	85.0	79.0	7	10	

SAMPLE DUPLICATE: 4101772

Parameter	Units	92680804003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	32.0	ND		10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791208 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679955001, 92679955002, 92679955003, 92679955006

METHOD BLANK: 4100330 Matrix: Water
 Associated Lab Samples: 92679955001, 92679955002, 92679955003, 92679955006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/03/23 19:35	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/03/23 19:35	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/03/23 19:35	

LABORATORY CONTROL SAMPLE: 4100331

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.9	100	80-120	

LABORATORY CONTROL SAMPLE: 4100332

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.6	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4100333 4100334

Parameter	Units	4100333		4100334		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	ND	50	50	55.0	54.5	105	104	80-120	1	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4100335 4100336

Parameter	Units	4100335		4100336		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	127	50	50	181	180	107	106	80-120	0	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791444 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679955004, 92679955005, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012

METHOD BLANK: 4101535 Matrix: Water
 Associated Lab Samples: 92679955004, 92679955005, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/04/23 14:37	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/04/23 14:37	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/04/23 14:37	

LABORATORY CONTROL SAMPLE: 4101536

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	54.0	108	80-120	

LABORATORY CONTROL SAMPLE: 4101537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4101538 4101539

Parameter	Units	4101538		4101539		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Alkalinity, Total as CaCO3	mg/L	41.2	50	93.4	92.4	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4101540 4101541

Parameter	Units	4101540		4101541		% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.				
Alkalinity, Total as CaCO3	mg/L	59.2	50	111	113	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	791822	Analysis Method:	SM 2320B-2011
QC Batch Method:	SM 2320B-2011	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033		

METHOD BLANK:	4103130	Matrix:	Water
Associated Lab Samples:	92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/07/23 12:50	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/07/23 12:50	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/07/23 12:50	

LABORATORY CONTROL SAMPLE: 4103131						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	80-120	

LABORATORY CONTROL SAMPLE: 4103132						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.8	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4103133												4103134	
Parameter	Units	92680648004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	60.5	50	50	112	112	102	103	80-120	0	25		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4103135												4103136	
Parameter	Units	92681006001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Alkalinity, Total as CaCO3	mg/L	30.1	50	50	79.1	80.3	98	100	80-120	1	25		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791825 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021

METHOD BLANK: 4103147 Matrix: Water
 Associated Lab Samples: 92679955016, 92679955017, 92679955018, 92679955019, 92679955020, 92679955021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/07/23 16:26	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/07/23 16:26	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/07/23 16:26	

LABORATORY CONTROL SAMPLE: 4103148

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	80-120	

LABORATORY CONTROL SAMPLE: 4103149

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4103150 4103151

Parameter	Units	4103150		4103151		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	87.0	50	50	136	135	99	96	80-120	1	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4103152 4103153

Parameter	Units	4103152		4103153		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	25.6	50	50	74.8	75.0	98	99	80-120	0	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 792187 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92679955022, 92679955023, 92679955024

METHOD BLANK: 4104914 Matrix: Water

Associated Lab Samples: 92679955022, 92679955023, 92679955024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/09/23 10:48	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/09/23 10:48	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/09/23 10:48	

LABORATORY CONTROL SAMPLE: 4104915

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.1	100	80-120	

LABORATORY CONTROL SAMPLE: 4104916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104917 4104918

Parameter	Units	4104917		4104918		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	87.3	50	50	138	101	98	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104919 4104920

Parameter	Units	4104919		4104920		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	71.6	50	50	126	108	112	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 792488 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679955013, 92679955014, 92679955015

METHOD BLANK: 4106824 Matrix: Water
 Associated Lab Samples: 92679955013, 92679955014, 92679955015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/09/23 19:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/09/23 19:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/09/23 19:09	

LABORATORY CONTROL SAMPLE: 4106825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4106826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4106827 4106828

Parameter	Units	4106827		4106828		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	ND	50	50	56.2	55.5	104	103	80-120	1	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4106829 4106830

Parameter	Units	4106829		4106830		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	193	50	50	253	262	122	140	80-120	4	25 M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch:	790556	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012		

METHOD BLANK:	4097074	Matrix:	Water
Associated Lab Samples:	92679955001, 92679955002, 92679955003, 92679955004, 92679955005, 92679955006, 92679955008, 92679955009, 92679955010, 92679955011, 92679955012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/01/23 15:36	
Fluoride	mg/L	ND	0.10	0.050	08/01/23 15:36	
Sulfate	mg/L	ND	1.0	0.50	08/01/23 15:36	

LABORATORY CONTROL SAMPLE: 4097075						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.0	98	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	48.9	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4097076												4097077	
Parameter	Units	92679955001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	1.2	50	50	51.6	52.1	101	102	90-110	1	10		
Fluoride	mg/L	0.054J	2.5	2.5	2.6	2.7	104	106	90-110	2	10		
Sulfate	mg/L	1.4	50	50	51.4	52.2	100	102	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4097078												4097079	
Parameter	Units	92679665022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	1.1	50	50	53.2	52.3	104	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	109	108	90-110	1	10		
Sulfate	mg/L	2.3	50	50	54.3	53.5	104	102	90-110	1	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791637 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92679955013, 92679955014, 92679955015, 92679955016

METHOD BLANK: 4102692 Matrix: Water
 Associated Lab Samples: 92679955013, 92679955014, 92679955015, 92679955016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/05/23 11:59	
Fluoride	mg/L	ND	0.10	0.050	08/05/23 11:59	
Sulfate	mg/L	ND	1.0	0.50	08/05/23 11:59	

LABORATORY CONTROL SAMPLE: 4102693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.4	99	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102694 4102695

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92680985001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	6.6	6.6	50	50	57.7	56.3	102	99	90-110	3	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.5	2.4	97	94	90-110	3	10	
Sulfate	mg/L	11.3	11.3	50	50	63.1	61.2	104	100	90-110	3	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102696 4102697

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92681012001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	6.9	6.9	50	50	58.3	58.8	103	104	90-110	1	10	
Fluoride	mg/L	0.081J	0.081J	2.5	2.5	2.5	2.5	97	99	90-110	1	10	
Sulfate	mg/L	11.8	11.8	50	50	63.5	64.0	103	104	90-110	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

QC Batch: 791638

Analysis Method: EPA 300.0 Rev 2.1 1993

QC Batch Method: EPA 300.0 Rev 2.1 1993

Analysis Description: 300.0 IC Anions

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92679955017, 92679955018, 92679955019, 92679955020, 92679955021, 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033

METHOD BLANK: 4102698

Matrix: Water

Associated Lab Samples: 92679955017, 92679955018, 92679955019, 92679955020, 92679955021, 92679955022, 92679955023, 92679955024, 92679955025, 92679955026, 92679955027, 92679955028, 92679955029, 92679955030, 92679955031, 92679955032, 92679955033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/05/23 19:53	
Fluoride	mg/L	ND	0.10	0.050	08/05/23 19:53	
Sulfate	mg/L	ND	1.0	0.50	08/05/23 19:53	

LABORATORY CONTROL SAMPLE: 4102699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.3	97	90-110	
Fluoride	mg/L	2.5	2.3	93	90-110	
Sulfate	mg/L	50	48.3	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102700 4102701

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679955017 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	1.3	50	50	52.6	53.2	103	104	90-110	1	10
Fluoride	mg/L	0.050J	2.5	2.5	2.5	2.5	96	98	90-110	1	10
Sulfate	mg/L	2.1	50	50	53.5	54.0	103	104	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102702 4102703

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92679955027 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	1.5	50	50	53.3	53.9	104	105	90-110	1	10
Fluoride	mg/L	0.056J	2.5	2.5	2.5	2.5	97	98	90-110	1	10
Sulfate	mg/L	0.81J	50	50	52.5	53.0	103	104	90-110	1	10

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QUALIFIERS

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

BC The same analyte was detected in an associated blank at a concentration above 1/2 the reporting limit but below the laboratory reporting limit.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679955001	BOW-GWA-1	EPA 3010A	790842	EPA 6010D	790955
92679955002	BOW-GWA-2	EPA 3010A	790842	EPA 6010D	790955
92679955003	BOW-GWA-2R	EPA 3010A	790842	EPA 6010D	790955
92679955004	BOW-LF1-2-FD-03	EPA 3010A	790842	EPA 6010D	790955
92679955005	BOW-LF1-2-FB-05	EPA 3010A	790842	EPA 6010D	790955
92679955006	BOW-LF1-2-FB-04	EPA 3010A	790842	EPA 6010D	790955
92679955008	BOW-GWA-4RZ	EPA 3010A	790842	EPA 6010D	790955
92679955009	BOW-GWA-50	EPA 3010A	790842	EPA 6010D	790955
92679955010	BOW-GWA-50R	EPA 3010A	790842	EPA 6010D	790955
92679955011	BOW-GWC-5	EPA 3010A	790842	EPA 6010D	790955
92679955012	BOW-GWC-6RZ	EPA 3010A	790842	EPA 6010D	790955
92679955013	BOW-GWC-13RZ	EPA 3010A	791582	EPA 6010D	791695
92679955014	BOW-GWC-15R	EPA 3010A	791582	EPA 6010D	791695
92679955015	BOW-LF1-2-FB-08	EPA 3010A	791582	EPA 6010D	791695
92679955016	BOW-GWA-3A	EPA 3010A	791582	EPA 6010D	791695
92679955017	BOW-GWC-11	EPA 3010A	791582	EPA 6010D	791695
92679955018	BOW-GWC-11R	EPA 3010A	791582	EPA 6010D	791695
92679955019	BOW-GWC-12	EPA 3010A	791582	EPA 6010D	791695
92679955020	BOW-GWC-13	EPA 3010A	791582	EPA 6010D	791695
92679955021	BOW-GWC-14Z	EPA 3010A	791582	EPA 6010D	791695
92679955022	BOW-GWC-15Z	EPA 3010A	791582	EPA 6010D	791695
92679955023	BOW-LF1-2-FD-05	EPA 3010A	791582	EPA 6010D	791695
92679955024	BOW-LF1-2-FB-07	EPA 3010A	791582	EPA 6010D	791695
92679955025	BOW-GWC-6	EPA 3010A	791582	EPA 6010D	791695
92679955026	BOW-GWC-7Z	EPA 3010A	791582	EPA 6010D	791695
92679955027	BOW-GWC-8Z	EPA 3010A	791582	EPA 6010D	791695
92679955028	BOW-GWC-8RR	EPA 3010A	791582	EPA 6010D	791695
92679955029	BOW-GWC-9	EPA 3010A	791582	EPA 6010D	791695
92679955030	BOW-GWC-10	EPA 3010A	791582	EPA 6010D	791695
92679955031	BOW-GWC-10R	EPA 3010A	791582	EPA 6010D	791695
92679955032	BOW-LF1-2-FD-04	EPA 3010A	791582	EPA 6010D	791695
92679955033	BOW-LF1-2-FB-06	EPA 3010A	792060	EPA 6010D	792205
92679955001	BOW-GWA-1	EPA 3005A	791813	EPA 6020B	791924
92679955002	BOW-GWA-2	EPA 3005A	791813	EPA 6020B	791924
92679955003	BOW-GWA-2R	EPA 3005A	791813	EPA 6020B	791924
92679955004	BOW-LF1-2-FD-03	EPA 3005A	791813	EPA 6020B	791924
92679955005	BOW-LF1-2-FB-05	EPA 3005A	791813	EPA 6020B	791924
92679955006	BOW-LF1-2-FB-04	EPA 3005A	791813	EPA 6020B	791924
92679955008	BOW-GWA-4RZ	EPA 3005A	791813	EPA 6020B	791924
92679955009	BOW-GWA-50	EPA 3005A	791813	EPA 6020B	791924
92679955010	BOW-GWA-50R	EPA 3005A	791813	EPA 6020B	791924
92679955011	BOW-GWC-5	EPA 3005A	791813	EPA 6020B	791924
92679955012	BOW-GWC-6RZ	EPA 3005A	791813	EPA 6020B	791924
92679955013	BOW-GWC-13RZ	EPA 3005A	791813	EPA 6020B	791924
92679955014	BOW-GWC-15R	EPA 3005A	791813	EPA 6020B	791924
92679955015	BOW-LF1-2-FB-08	EPA 3005A	791813	EPA 6020B	791924
92679955016	BOW-GWA-3A	EPA 3005A	791813	EPA 6020B	791924

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679955017	BOW-GWC-11	EPA 3005A	791813	EPA 6020B	791924
92679955018	BOW-GWC-11R	EPA 3005A	791813	EPA 6020B	791924
92679955019	BOW-GWC-12	EPA 3005A	791813	EPA 6020B	791924
92679955020	BOW-GWC-13	EPA 3005A	791813	EPA 6020B	791924
92679955021	BOW-GWC-14Z	EPA 3005A	791813	EPA 6020B	791924
92679955022	BOW-GWC-15Z	EPA 3005A	791900	EPA 6020B	792028
92679955023	BOW-LF1-2-FD-05	EPA 3005A	791900	EPA 6020B	792028
92679955024	BOW-LF1-2-FB-07	EPA 3005A	791900	EPA 6020B	792028
92679955025	BOW-GWC-6	EPA 3005A	791900	EPA 6020B	792028
92679955026	BOW-GWC-7Z	EPA 3005A	791900	EPA 6020B	792028
92679955027	BOW-GWC-8Z	EPA 3005A	791900	EPA 6020B	792028
92679955028	BOW-GWC-8RR	EPA 3005A	791900	EPA 6020B	792028
92679955029	BOW-GWC-9	EPA 3005A	791900	EPA 6020B	792028
92679955030	BOW-GWC-10	EPA 3005A	791900	EPA 6020B	792028
92679955031	BOW-GWC-10R	EPA 3005A	791900	EPA 6020B	792028
92679955032	BOW-LF1-2-FD-04	EPA 3005A	791900	EPA 6020B	792028
92679955033	BOW-LF1-2-FB-06	EPA 3005A	791900	EPA 6020B	792028
92679955001	BOW-GWA-1	EPA 7470A	791878	EPA 7470A	792008
92679955002	BOW-GWA-2	EPA 7470A	791878	EPA 7470A	792008
92679955003	BOW-GWA-2R	EPA 7470A	791878	EPA 7470A	792008
92679955004	BOW-LF1-2-FD-03	EPA 7470A	791878	EPA 7470A	792008
92679955005	BOW-LF1-2-FB-05	EPA 7470A	791878	EPA 7470A	792008
92679955006	BOW-LF1-2-FB-04	EPA 7470A	791878	EPA 7470A	792008
92679955008	BOW-GWA-4RZ	EPA 7470A	791878	EPA 7470A	792008
92679955009	BOW-GWA-50	EPA 7470A	791878	EPA 7470A	792008
92679955010	BOW-GWA-50R	EPA 7470A	791878	EPA 7470A	792008
92679955011	BOW-GWC-5	EPA 7470A	791878	EPA 7470A	792008
92679955012	BOW-GWC-6RZ	EPA 7470A	791878	EPA 7470A	792008
92679955013	BOW-GWC-13RZ	EPA 7470A	791878	EPA 7470A	792008
92679955014	BOW-GWC-15R	EPA 7470A	791878	EPA 7470A	792008
92679955015	BOW-LF1-2-FB-08	EPA 7470A	791878	EPA 7470A	792008
92679955016	BOW-GWA-3A	EPA 7470A	791878	EPA 7470A	792008
92679955017	BOW-GWC-11	EPA 7470A	791878	EPA 7470A	792008
92679955018	BOW-GWC-11R	EPA 7470A	791878	EPA 7470A	792008
92679955019	BOW-GWC-12	EPA 7470A	791878	EPA 7470A	792008
92679955020	BOW-GWC-13	EPA 7470A	791878	EPA 7470A	792008
92679955021	BOW-GWC-14Z	EPA 7470A	791930	EPA 7470A	792009
92679955022	BOW-GWC-15Z	EPA 7470A	791930	EPA 7470A	792009
92679955023	BOW-LF1-2-FD-05	EPA 7470A	791930	EPA 7470A	792009
92679955024	BOW-LF1-2-FB-07	EPA 7470A	791930	EPA 7470A	792009
92679955025	BOW-GWC-6	EPA 7470A	791930	EPA 7470A	792009
92679955026	BOW-GWC-7Z	EPA 7470A	791930	EPA 7470A	792009
92679955027	BOW-GWC-8Z	EPA 7470A	791930	EPA 7470A	792009
92679955028	BOW-GWC-8RR	EPA 7470A	791930	EPA 7470A	792009
92679955029	BOW-GWC-9	EPA 7470A	791930	EPA 7470A	792009
92679955030	BOW-GWC-10	EPA 7470A	791930	EPA 7470A	792009
92679955031	BOW-GWC-10R	EPA 7470A	791930	EPA 7470A	792009

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679955032	BOW-LF1-2-FD-04	EPA 7470A	791930	EPA 7470A	792009
92679955033	BOW-LF1-2-FB-06	EPA 7470A	791930	EPA 7470A	792009
92679955001	BOW-GWA-1	SM 2540C-2015	790452		
92679955002	BOW-GWA-2	SM 2540C-2015	790452		
92679955003	BOW-GWA-2R	SM 2540C-2015	790452		
92679955004	BOW-LF1-2-FD-03	SM 2540C-2015	790456		
92679955005	BOW-LF1-2-FB-05	SM 2540C-2015	790456		
92679955006	BOW-LF1-2-FB-04	SM 2540C-2015	790452		
92679955008	BOW-GWA-4RZ	SM 2540C-2015	790456		
92679955009	BOW-GWA-50	SM 2540C-2015	790456		
92679955010	BOW-GWA-50R	SM 2540C-2015	790456		
92679955011	BOW-GWC-5	SM 2540C-2015	790456		
92679955012	BOW-GWC-6RZ	SM 2540C-2015	790976		
92679955013	BOW-GWC-13RZ	SM 2540C-2015	791478		
92679955014	BOW-GWC-15R	SM 2540C-2015	791478		
92679955015	BOW-LF1-2-FB-08	SM 2540C-2015	791478		
92679955016	BOW-GWA-3A	SM 2540C-2015	791475		
92679955017	BOW-GWC-11	SM 2540C-2015	791475		
92679955018	BOW-GWC-11R	SM 2540C-2015	791475		
92679955019	BOW-GWC-12	SM 2540C-2015	791475		
92679955020	BOW-GWC-13	SM 2540C-2015	791475		
92679955021	BOW-GWC-14Z	SM 2540C-2015	791475		
92679955022	BOW-GWC-15Z	SM 2540C-2015	791475		
92679955023	BOW-LF1-2-FD-05	SM 2540C-2015	791475		
92679955024	BOW-LF1-2-FB-07	SM 2540C-2015	791475		
92679955025	BOW-GWC-6	SM 2540C-2015	791475		
92679955026	BOW-GWC-7Z	SM 2540C-2015	791475		
92679955027	BOW-GWC-8Z	SM 2540C-2015	791475		
92679955028	BOW-GWC-8RR	SM 2540C-2015	791475		
92679955029	BOW-GWC-9	SM 2540C-2015	791475		
92679955030	BOW-GWC-10	SM 2540C-2015	791475		
92679955031	BOW-GWC-10R	SM 2540C-2015	791475		
92679955032	BOW-LF1-2-FD-04	SM 2540C-2015	791475		
92679955033	BOW-LF1-2-FB-06	SM 2540C-2015	791475		
92679955001	BOW-GWA-1	SM 2320B-2011	791208		
92679955002	BOW-GWA-2	SM 2320B-2011	791208		
92679955003	BOW-GWA-2R	SM 2320B-2011	791208		
92679955004	BOW-LF1-2-FD-03	SM 2320B-2011	791444		
92679955005	BOW-LF1-2-FB-05	SM 2320B-2011	791444		
92679955006	BOW-LF1-2-FB-04	SM 2320B-2011	791208		
92679955008	BOW-GWA-4RZ	SM 2320B-2011	791444		
92679955009	BOW-GWA-50	SM 2320B-2011	791444		
92679955010	BOW-GWA-50R	SM 2320B-2011	791444		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679955011	BOW-GWC-5	SM 2320B-2011	791444		
92679955012	BOW-GWC-6RZ	SM 2320B-2011	791444		
92679955013	BOW-GWC-13RZ	SM 2320B-2011	792488		
92679955014	BOW-GWC-15R	SM 2320B-2011	792488		
92679955015	BOW-LF1-2-FB-08	SM 2320B-2011	792488		
92679955016	BOW-GWA-3A	SM 2320B-2011	791825		
92679955017	BOW-GWC-11	SM 2320B-2011	791825		
92679955018	BOW-GWC-11R	SM 2320B-2011	791825		
92679955019	BOW-GWC-12	SM 2320B-2011	791825		
92679955020	BOW-GWC-13	SM 2320B-2011	791825		
92679955021	BOW-GWC-14Z	SM 2320B-2011	791825		
92679955022	BOW-GWC-15Z	SM 2320B-2011	792187		
92679955023	BOW-LF1-2-FD-05	SM 2320B-2011	792187		
92679955024	BOW-LF1-2-FB-07	SM 2320B-2011	792187		
92679955025	BOW-GWC-6	SM 2320B-2011	791822		
92679955026	BOW-GWC-7Z	SM 2320B-2011	791822		
92679955027	BOW-GWC-8Z	SM 2320B-2011	791822		
92679955028	BOW-GWC-8RR	SM 2320B-2011	791822		
92679955029	BOW-GWC-9	SM 2320B-2011	791822		
92679955030	BOW-GWC-10	SM 2320B-2011	791822		
92679955031	BOW-GWC-10R	SM 2320B-2011	791822		
92679955032	BOW-LF1-2-FD-04	SM 2320B-2011	791822		
92679955033	BOW-LF1-2-FB-06	SM 2320B-2011	791822		
92679955001	BOW-GWA-1	EPA 300.0 Rev 2.1 1993	790556		
92679955002	BOW-GWA-2	EPA 300.0 Rev 2.1 1993	790556		
92679955003	BOW-GWA-2R	EPA 300.0 Rev 2.1 1993	790556		
92679955004	BOW-LF1-2-FD-03	EPA 300.0 Rev 2.1 1993	790556		
92679955005	BOW-LF1-2-FB-05	EPA 300.0 Rev 2.1 1993	790556		
92679955006	BOW-LF1-2-FB-04	EPA 300.0 Rev 2.1 1993	790556		
92679955008	BOW-GWA-4RZ	EPA 300.0 Rev 2.1 1993	790556		
92679955009	BOW-GWA-50	EPA 300.0 Rev 2.1 1993	790556		
92679955010	BOW-GWA-50R	EPA 300.0 Rev 2.1 1993	790556		
92679955011	BOW-GWC-5	EPA 300.0 Rev 2.1 1993	790556		
92679955012	BOW-GWC-6RZ	EPA 300.0 Rev 2.1 1993	790556		
92679955013	BOW-GWC-13RZ	EPA 300.0 Rev 2.1 1993	791637		
92679955014	BOW-GWC-15R	EPA 300.0 Rev 2.1 1993	791637		
92679955015	BOW-LF1-2-FB-08	EPA 300.0 Rev 2.1 1993	791637		
92679955016	BOW-GWA-3A	EPA 300.0 Rev 2.1 1993	791637		
92679955017	BOW-GWC-11	EPA 300.0 Rev 2.1 1993	791638		
92679955018	BOW-GWC-11R	EPA 300.0 Rev 2.1 1993	791638		
92679955019	BOW-GWC-12	EPA 300.0 Rev 2.1 1993	791638		
92679955020	BOW-GWC-13	EPA 300.0 Rev 2.1 1993	791638		
92679955021	BOW-GWC-14Z	EPA 300.0 Rev 2.1 1993	791638		
92679955022	BOW-GWC-15Z	EPA 300.0 Rev 2.1 1993	791638		
92679955023	BOW-LF1-2-FD-05	EPA 300.0 Rev 2.1 1993	791638		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 1&2

Pace Project No.: 92679955

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92679955024	BOW-LF1-2-FB-07	EPA 300.0 Rev 2.1 1993	791638		
92679955025	BOW-GWC-6	EPA 300.0 Rev 2.1 1993	791638		
92679955026	BOW-GWC-7Z	EPA 300.0 Rev 2.1 1993	791638		
92679955027	BOW-GWC-8Z	EPA 300.0 Rev 2.1 1993	791638		
92679955028	BOW-GWC-8RR	EPA 300.0 Rev 2.1 1993	791638		
92679955029	BOW-GWC-9	EPA 300.0 Rev 2.1 1993	791638		
92679955030	BOW-GWC-10	EPA 300.0 Rev 2.1 1993	791638		
92679955031	BOW-GWC-10R	EPA 300.0 Rev 2.1 1993	791638		
92679955032	BOW-LF1-2-FD-04	EPA 300.0 Rev 2.1 1993	791638		
92679955033	BOW-LF1-2-FB-06	EPA 300.0 Rev 2.1 1993	791638		

REPORT OF LABORATORY ANALYSIS

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Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mooresville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 1-31-23A

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Samples Frozen? Yes No N/A

Thermometer:

SR Gun ID:

082

Type of Ice:

Yes

Blue

None

Cooler Temp:

5.2

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

5.2

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Do samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix.	WG	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers.

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time

Project Manager SCRF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exempt: VCA, Coliform, TOC, Oil and Grease, DBO/DO15 (water), DDC, L/Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine



Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (C-)													
BP30-250 mL Xcelic Unpreserved (N/A)		2	2	2		2		2					
BP20-500 mL Plastic Unpreserved (N/A)		1	1	1		1		1					
BP10-1 liter Plastic Unpreserved (N/A)													
BP45-125 mL Plastic H2SO4 (pH < 2) (C-)													
BP35-250 mL plastic HNO3 (pH < 2)													
BP42-125 mL Plastic 2N Acetate & NaOH (pH)													
BP48-125 mL Plastic H3COH (pH > 12) (C-)													
VAD 10 wide-mouthed Glass Jar Unpreserved													
AG300-1 liter Amber Unpreserved (N/A) (C-)													
AG114-1 liter Amber HCl (pH < 2)													
AG50-250 mL Amber Unpreserved (N/A) (C-)													
AG15-1 liter Amber H2SO4 (pH < 2)													
AG25-250 mL Amber H2SO4 (pH < 2)													
DG98-40 mL Amber HNO3 (N/A) (C-)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG9Y-40 mL VOA H3PO4 (N/A)													
MP7U-50 mL Plastic Unpreserved (N/A)													
W/GM (3 wash per MW-VFA/Gas kit (N/A)													
SP5T-125 mL Scentic Plastic (N/A - Lab)													
SP2T-250 mL 3er la Plastic (N/A - Lab)													
BP2A-250 mL Plastic (NH2)2SO4 (pH 3-9.7)					2								
AG60-100 mL Amber Unpreserved (N/A) (C-)													
VSGU-20 mL Scintillation vials (N/A)													
DB8U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DESR Certification Office (i.e. Out of hold, incorrect preservative, out of range, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, OR and Grease, DRQ/8015 (water) DOC, L.Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-225 ml Plastic Unpreserved (N/A) (Cl-)	BP3U-250 ml Plastic Unpreserved (N/A)	BP7U-500 ml Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 ml Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 ml plastic HNO3 (pH < 2)	BP4Z-125 ml Plastic 2N Acetic & NaOH (pH < 2)	BP4B-125 ml Plastic NaOH (pH > 12) (Cl-)	WGRU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1M-1 liter Amber HCl (pH < 2)	AG1U-250 ml Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG1S-250 ml Amber H2SO4 (pH < 2)	AG1M-40 ml Amber Ni-4Cl (N/A)(Cl-)	DG6H-40 ml VOA HCl (N/A)	VEBT-40 ml VOA Na2SO3 (N/A)	VG9U-40 ml VOA Unpreserved (N/A)	DG9N-40 ml VOA H3PO4 (N/A)	BP7U-50 ml Plastic Unpreserved (N/A)	V/DA (3 vials per kit) V2V1/Gas kit (N/A)	SP5T-225 ml Sterile Plastic In/A - 100	SP2T-250 ml Sterile Plastic In/A - 100	BP3B-250 ml Plastic (NH4)2SO4 (pH 3-7)	AG1B-100 ml Amber Unpreserved (N/A) (Cl-)	V5GU-20 ml Scintillation Vials (N/A)	DG9U-40 ml Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEW&E Certification Office. Out of hold, incorrect preservative, out of temp, intact containers



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or deschlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, OI and Grease, CRO/B025 (water) DOC, L&G

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (CI-)													
BP30-250 mL Plastic Unpreserved (N/A)													
BP20-500 mL Plastic Unpreserved (N/A)													
BP10-1 liter Plastic Unpreserved (N/A)													
BP40-125 mL Plastic H2SO4 (pH < 2) (CI-)													
BP30-250 mL Plastic HNO3 (pH < 2)													
BP40-125 mL Plastic 2N Acrylic & NaOH (pH > 12)													
BP40-125 mL Plastic NaOH (pH > 12) (CI-)													
WGFU-Wide-mouthed Glass Jar Unpreserved													
AG10-1 liter Amber Unpreserved (N/A) (CI-)													
AG10-1 liter Amber HCl (pH < 2)													
AG20-250 mL Amber Unpreserved (N/A) (CI-)													
AG15-1 liter Amber H2SO4 (pH < 2)													
AG15-250 mL Amber H2SO4 (pH < 2)													
DG94-40 mL Amber N/A-C (N/A) (CI-)													
DG94-40 mL VOA HCl (N/A)													
VG97-40 mL VOA H2SO4 (N/A)													
VG97-40 mL VOA Unpreserved (N/A)													
DG97-40 mL VOA -BP04 (N/A)													
BP70-50 mL Plastic Unpreserved (N/A)													
V70K (3 vials per lot) VPH/500 lot (N/A)													
SP57-25 mL Sterile Plastic (N/A - Lab)													
SP67-250 mL Sterile Plastic (N/A - Lab)													
BP30-250 mL Plastic (N/A) (2504 19 3 9 7)													
AG20-100 mL Amber Unpreserved (N/A) (CI-)													
Y550-20 mL Sorbillion vials (N/A)													
DG90-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/RODS (water) DOC, UHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP99-125 ml Plastic Unpreserved (N/A) (C1)	BP20-250 ml Plastic Unpreserved (N/A)	BP30-500 ml Plastic Unpreserved (N/A)	BP10-1 liter Plastic Unpreserved (N/A)	BP45-125 ml Plastic H2SO4 (pH < 2) (C1)	BP30-250 ml plastic HNO3 (pH < 2)	BP42-125 ml Plastic 2N Acetate & NaOH (S9)	BP48-125 ml Plastic NaOH (pH > 12) (C1)	166BU-1000 unetched Glass jar Unpreserved	AG30-1 liter Amber Unpreserved (N/A) (C1)	AG30-1 liter Amber HCl (pH < 2)	AG30-250 ml Amber Unpreserved (N/A) (C1)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 ml Amber H2SO4 (pH < 2)	DE54-40 ml Amber NH4Cl (N/A) (C1)	DE30-40 ml VOA HCl (N/A)	VG97-40 ml VOA Na2S2O3 (N/A)	VG90-40 ml VOA Unpreserved (N/A)	D650-40 ml VOA H3PO4 (N/A)	NP70-50 ml Plastic Unpreserved (N/A)	V75K (3 wash per kit) VPK/V64 Kit (N/A)	SP5T-125 ml Sterile Plastic (N/A - lab)	SP2T-250 ml Sterile Plastic (N/A - lab)	BP30-250 ml Plastic (NH4)2SO4 (S3-S7)	AG500-100 ml Amber Unpreserved (N/A) (C1)	V3000-20 ml Scintillation vials (N/A)	DE50-40 ml Amber Unpreserved vials (N/A)
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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5	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Page

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <http://www.fda.gov/oc/chain-of-custody-terms-conditions/>.

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 1 of 3

Client Contact Information:

Company Name: 211 Region Medical Group, Inc
 Contact Person: Aracelis Garcia
 Phone: (410) 217-4900 Fax: _____
 E-mail: agarcia@211region.com
 Project Name: Project Name: Bowen/JF CSM 123
 Project ID: _____
 Project Date: 8/21/13

Regional Project Information:

Region: Midwest
 State: MD
 County: Harford
 City: Bel Air

Medical Information:

Product Name: Prosthetic
 Manufacturer: Smith & Nephew
 Lot Number: 12345
 Expiration Date: 12/31/14

SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preparations							TOX - State Metals	CLF 504	TMS	Alcohol	Medical Device (Y/N)
					Unpreserved	ESDIA	ESIA	HC	HC2	HC2/304	Mediand					
BOW-GWA-1	7/21/13	1320		4	3	1										
BOW-GWA-2	7/21/13	1608		4	3	1										
BOW-GWA-3	7/21/13	1302		4	3	1										
BOW-GWA-4																
BOW-GWA-5																
BOW-GWA-6																
BOW-GWA-7																
BOW-GWA-8																
BOW-GWA-9																
BOW-GWA-10																
BOW-GWA-11																
BOW-GWA-12																
BOW-GWA-13																
BOW-GWA-14																
BOW-GWA-15																
BOW-GWA-16																
BOW-GWA-17																
BOW-GWA-18																
BOW-GWA-19																
BOW-GWA-20																
BOW-GWA-21																
BOW-GWA-22																
BOW-GWA-23																
BOW-GWA-24																
BOW-GWA-25																
BOW-GWA-26																
BOW-GWA-27																
BOW-GWA-28																
BOW-GWA-29																
BOW-GWA-30																

Site Information:

Site Name: William Lanker
 Site Address: 1800 William Ave
 Site City: Bel Air
 Site State: MD
 Site Zip: 21034
 Site Contact: William Lanker
 Site Phone: 410-217-4900
 Site Fax: 410-217-4900
 Site E-mail: william.lanker@211region.com

Collection Information:

Collection Date: 7/21/13
 Collection Time: 1225
 Collection Location: Henry Williams Rm
 Collection Room: 1346
 Collection Room No: 1346
 Collection Room Name: Henry Williams Rm
 Collection Room Address: 1800 William Ave
 Collection Room City: Bel Air
 Collection Room State: MD
 Collection Room Zip: 21034

Witness Information:

Witness Name: William Lanker
 Witness Address: 1800 William Ave
 Witness City: Bel Air
 Witness State: MD
 Witness Zip: 21034
 Witness Contact: William Lanker
 Witness Phone: 410-217-4900
 Witness Fax: 410-217-4900
 Witness E-mail: william.lanker@211region.com

Medical Device Information:

Medical Device Name: Prosthetic
 Medical Device Manufacturer: Smith & Nephew
 Medical Device Lot Number: 12345
 Medical Device Expiration Date: 12/31/14

Analysis Information:

Analysis Name: TOX - State Metals
 Analysis Method: ESDIA
 Analysis Laboratory: 211 Region Medical Group
 Analysis Contact: Aracelis Garcia
 Analysis Phone: 410-217-4900
 Analysis Fax: 410-217-4900
 Analysis E-mail: agarcia@211region.com

Signature and Date:

Signature: Aracelis Garcia
 Date: 7/21/13



Exporting a sample via this chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <http://info.perko.com/chain-of-custody-standards.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Site A

Client Name: Georgia Power	Project For: Nuclear America, Coastal Environmental	Location: Coastal
Site: 241 North Woodlawn Blvd NE	Client To: LISA WILSON, Environmental Science	Company Name: Georgia Power
Site ID: 241-0001	Project Name: South Creek	Address: 241 North Woodlawn Blvd NE Atlanta, GA 30308
Project Manager: [Name]	Project Name: Brown LF Cash 142	Project Manager: [Name]
Project Start Date: [Date]	Project ID: [ID]	Site Number: 241-0001

SAMPLE ID
One Character per Box.
(A-Z, 0-9, ., /, -)
Sample ID: [Blank]

SAMPLE CODE (See Section 6.1)	SAMPLE TYPE (See Section 6.1)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES							Analysis Test	Retention Criteria (C/N)				
		DATE	TIME			Unpreserved	HCl	HNO3	H2SO4	Nitric	None	Other						
BNW-LF1-241-001	WQ	7/28/23	-	4	3	1												
BNW-LF1-241-002	WQ																	
BNW-LF1-241-003	WQ																	
BNW-LF1-241-004	WQ																	
BNW-LF1-241-005	WQ	7/28/23	1255	4	3	1												125
BNW-LF1-241-006	WQ																	
BNW-LF1-241-007	WQ																	
BNW-LF1-241-008	WQ																	
BNW-LF1-241-009	WQ																	
BNW-LF1-241-010	WQ																	

Client Name: Georgia Power	Project For: Nuclear America, Coastal Environmental	Location: Coastal
Site: 241 North Woodlawn Blvd NE	Client To: LISA WILSON, Environmental Science	Company Name: Georgia Power
Site ID: 241-0001	Project Name: South Creek	Address: 241 North Woodlawn Blvd NE Atlanta, GA 30308
Project Manager: [Name]	Project Name: Brown LF Cash 142	Project Manager: [Name]
Project Start Date: [Date]	Project ID: [ID]	Site Number: 241-0001

CLIENT USE ONLY - (Do Not Remove)	ANALYST USE ONLY	DATE	TIME	LOCATION	PROJECT	TIME	DATE	TIME	LOCATION	PROJECT	TIME	DATE	TIME	LOCATION	PROJECT
William Lanker	7/28/23	1225	1346	South Creek	Project	7/28/23	1225	1346	South Creek	Project	7/28/23	1225	1346	South Creek	Project
Kyran Williams / Note	7/28/23	1346	1346	South Creek	Project	7/28/23	1346	1346	South Creek	Project	7/28/23	1346	1346	South Creek	Project

Client Name: Georgia Power	Project For: Nuclear America, Coastal Environmental	Location: Coastal
Site: 241 North Woodlawn Blvd NE	Client To: LISA WILSON, Environmental Science	Company Name: Georgia Power
Site ID: 241-0001	Project Name: South Creek	Address: 241 North Woodlawn Blvd NE Atlanta, GA 30308
Project Manager: [Name]	Project Name: Brown LF Cash 142	Project Manager: [Name]
Project Start Date: [Date]	Project ID: [ID]	Site Number: 241-0001

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the above Terms and Conditions found at: <http://www.possible.com/chain-of-custody-terms.pdf>.

Section B
Section C
Section D

Client Name: Georgia Power
 Project For: Western Jurisdiction, Quality Standard
 Client Address: 201 North Jackson Blvd, NE
 Client City: North Decatur
 Client State: GA
 Client Zip: 30040
 Project Name: Bowen LE Coal #2
 Project ID: Bowen LE Coal #2
 Sample Date: 7/27/23
 Sample ID: 103504

SAMPLE ID	MATERIAL CODE	SAMPLE TYPE	COLLECTED		ANALYSIS TYPE AT COLLECTION	# OF CONTAINERS	PRESERVATION								TEMP. °C			
			DATE	TIME			Unpreserved	Refrigerated	Freeze	Dry	Desiccant	Other	Analysis Type	Temp. °C				
BOW-LE-1-2-EDD	WIG G	G				3												
BOW-LE-1-2-FINDM	WIG G	G																
BOW-LE-1-2-DJ-25	WIG G	G																
BOW-LE-1-2-PR-04	WIG G	G	7/27/23	1525		3												
BOW-LE-1-2-PR-04	WIG G	G																
BOW-LE-1-2-PR-04	WIG G	G																
BOW-LE-1-2-PR-04	WIG G	G																
BOW-LE-1-2-PR-04	WIG G	G																
BOW-LE-1-2-PR-04	WIG G	G																
BOW-LE-1-2-PR-04	WIG G	G																

SAMPLE ID
 One Character per base
 (A-Z, 0-9, -)
 Sample ID must be unique

CLIENT	PROJECT FOR	CLIENT ADDRESS	CLIENT CITY	CLIENT STATE	CLIENT ZIP	PROJECT NAME	PROJECT ID	SAMPLE DATE	SAMPLE ID
Georgia Power	Western Jurisdiction, Quality Standard	201 North Jackson Blvd, NE	North Decatur	GA	30040	Bowen LE Coal #2	Bowen LE Coal #2	7/27/23	103504

CLIENT	PROJECT FOR	CLIENT ADDRESS	CLIENT CITY	CLIENT STATE	CLIENT ZIP	PROJECT NAME	PROJECT ID	SAMPLE DATE	SAMPLE ID
Georgia Power	Western Jurisdiction, Quality Standard	201 North Jackson Blvd, NE	North Decatur	GA	30040	Bowen LE Coal #2	Bowen LE Coal #2	7/27/23	103504

Client Name: Georgia Power
 Project For: Western Jurisdiction, Quality Standard
 Client Address: 201 North Jackson Blvd, NE
 Client City: North Decatur
 Client State: GA
 Client Zip: 30040
 Project Name: Bowen LE Coal #2
 Project ID: Bowen LE Coal #2
 Sample Date: 7/27/23
 Sample ID: 103504

PAGE

Submitting a sample via this form of custody, constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <http://www.chemlink.com/hub/submit-sample-form.html>.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 1

Section B

Send Email Notification:		Responsible Project Submission:	
Client: Chemlink	Report To: William Justice, Chemlink Forensics	Project Name: Brown/GS/23	Project ID: 100401
Address: 241 Poydras Blvd. Ste. 1415, New Orleans, LA 70112	Client: Louisiana Highway Patrol	Project Name: Brown/GS/23	Project ID: 100401
Phone: (504) 588-2000	Contact: Nylecia Gentry	Project Name: Brown/GS/23	Project ID: 100401
Project Start Date: 7/28/23	Project End Date: 7/28/23	Project Name: Brown/GS/23	Project ID: 100401

SAMPLE ID One Character per box. (A-Z, 0-9, /) Samples are listed by unique	DATE	TIME	SAMPLE FORMAT AT COLLECTION	# OF CONTAINERS	PRESERVATION							FBI - State Lab	CI P. 504	YDS	Analysis	Request Charge (Y/N)	
					Deposited	PCR	TOC	GC	HPLC	Micro	Other						
ROW-GS/A-1	WMO	0															
ROW-GS/A-2	WMO	0															
ROW-GS/A-3R	WMO	0															
ROW-GS/A-3A	WMS	0															
ROW-GS/A-4RZ	WMO	0	7/28/23	0914	4	3											
ROW-GS/A-5D	WMO	0	7/28/23	1101	4	3											
ROW-GS/A-5M	WMO	0	7/28/23	1158	4	3											
ROW-GS/A-6	WMO	0	7/28/23	1040	4	3											
ROW-GS/A-4	WMO	0															
ROW-GS/A-4RZ	WMO	0	7/28/23	1215	4	3											
ROW-GS/C-1Z	WMO	0															
ROW-GS/A-3R	WMO	0															

Client Name: WILLIAM JUSTICE	Collector Name: William Justice	Collector Phone: 701/225-1225	Collector Email: WJ@chemlink.com
Client Address: 241 Poydras Blvd Ste 1415 New Orleans, LA 70112	Client Contact: Nylecia Gentry	Client Phone: 504/588-2000	Client Email: ngentry@chemlink.com
Project Name: Brown/GS/23	Project ID: 100401	Project Start: 7/28/23	Project End: 7/28/23

Signature of Collector: <i>William Justice</i>	Date: 7/28/23
Signature of Shipper: <i>William Justice</i>	Date: 7/28/23

Page: 1 of 3



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

Courier: Fed Ex UPS USPS Client Commercial Other

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: IR Gun ID: 214 Type of Ice: Wet Blue None

Cooler Temp: 4.3 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 4.3

USDA Regulated Soil N/A, water sample)

Did samples originate in a quarantined zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Discarded analysis Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix: W	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURA Review: Date:

Project Manager SRF Review: Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #



Acceptions: VOA, Coliform, TOC, D: and Grease, D30/8015 [water] DOC, LUM

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	QPMU-125 mL Plastic Unpreserved (N/A) (C+)	BP2U-250 mL Plastic Unpreserved (N/A)	BPNU-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C+)	BP3N-250 mL Plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetic & NaOH (pH > 12) (C+)	BP4B-125 mL Plastic NaOH (pH > 12) (C+)	WGTU-Wide mouthed Glass Jar Unpreserved	AG13U-1 liter Amber Unpreserved (N/A) (C+)	AG13U-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C+)	AG15-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber HNO3 (N/A) (C+)	DG94-40 mL VOA HCl (N/A)	VG9T-40 mL VOA H2SO4 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9W-40 mL VOA H2SO4 (N/A)	VP9U-40 mL Plastic Unpreserved (N/A)	V/GR (9 vials per kit) APP/US/US (N/A)	SP5T-125 mL 30-1e Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Biorator (NH2) (N/A) (C+)	AGDU-120 mL Amber Unpreserved (N/A) (C+)	V56U-20 mL SCimitation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	2																											
2	2	1																										
3	2	1																										
4	2	1																										
5	2	1																										
6	2	1																										
7	2	1																										
8	2	1																										
9	2	1																										
10	2	1																										
11	2	1																										
12	2	1																										

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEMT Certification Office, i.e. Out of box, incorrect preservative, out of temp, incorrect containers.

Effective Date: 11/14/2022

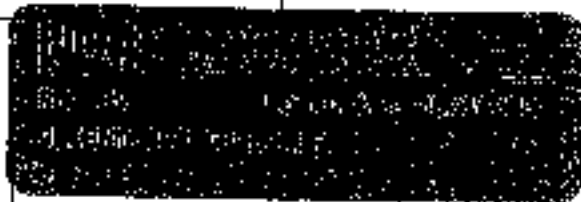
check mark top half of box if pH and/or dechlorination is verified and
within the acceptance range for preservation samples.

Project #

Options: VOA, Coliform, TDC, Oil and Grease, DFO/8015 (water) DOC, UHg

bottom half of box is to list number of bottles

*Check all unpreserved Nitrates for chlorine



Code	Description	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
BP00-75 mL Plastic Unpreserved (N/A) (Cl-)		2	1																		
BP01-250 mL Plastic Unpreserved (N/A)		2	1																		
BP02-500 mL Plastic Unpreserved (N/A)		2	1																		
BP03-1 liter Plastic Unpreserved (N/A)		2	1																		
BP04-225 mL Plastic (H2SO4) (pH < 2) (Cl-)		2	1																		
BP05-190 mL Plastic (HNO3) (pH < 2)		2	1																		
BP06-175 mL Plastic (HAc) (pH < 2)		2	1																		
BP07-175 mL Plastic (HCl) (pH < 2) (Cl-)		2	1																		
WGHU Wide-mouthed glass jar Unpreserved																					
AG10 1 liter Amber Unpreserved (N/A) (Cl-)																					
AG10-1 liter Amber HCl (pH < 2)																					
AG30-250 mL Amber Unpreserved (N/A) (Cl-)																					
AG35-1 liter Amber H2SO4 (pH < 2)																					
AG39-250 mL Amber H2SO4 (pH < 2)																					
DE94 40 mL Amber NMC (N/A) (Cl-)																					
DE94 40 mL VOA (N/A)																					
MG01-40 mL VOA (N/A)																					
WS90-40 mL VOA Unpreserved (N/A)																					
DG99-40 mL VOA (N/A)																					
RP70-50 mL Plastic Unpreserved (N/A)																					
V/GK (3 vials per kit) VPH/Gas kit (N/A)																					
SP97-275 mL Sterile Plastic (N/A = 100)																					
SP97-250 mL Sterile Plastic (N/A = 100)																					
BP08-250 mL Plastic (H2SO4) (pH < 2)																					
AG01-100 mL Amber Unpreserved (N/A) (Cl-)																					
VS01-30 mL Scintillation vials (N/A)																					
DG94-40 mL Amber Unpreserved vials (N/A)																					

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. list of hold, wrong preservative, out of camp, incorrect containers)



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #



Exceptions: VOA, Coliform, TOC, CN and Gaseous, DRP/8015 (when DDC, L, Hg)

**Bottom half of box is to list number of bottles

***Check g unpreserved Nitrates for chlorine

Container	BP4U-125 mL Plastic Unpreserved (N/A) (C1)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4B-125 mL Plastic H2SO4 (pH < 2) (C1)	BP3B-250 mL Plastic HNO3 (pH < 2)	BP2B-500 mL Plastic HNO3 (pH < 2)	BP1B-1 liter Plastic HNO3 (pH < 2)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C1)	BP3S-250 mL Plastic H2SO4 (pH < 2)	BP2S-500 mL Plastic H2SO4 (pH < 2)	BP1S-1 liter Plastic H2SO4 (pH < 2)	BP4H-125 mL Plastic HNO3 (N/A) (C1)	BP3H-250 mL Plastic HNO3 (N/A) (C1)	BP2H-500 mL Plastic HNO3 (N/A) (C1)	BP1H-1 liter Plastic HNO3 (N/A) (C1)	BP4I-125 mL Plastic H2SO4 (pH < 2)	BP3I-250 mL Plastic H2SO4 (pH < 2)	BP2I-500 mL Plastic H2SO4 (pH < 2)	BP1I-1 liter Plastic H2SO4 (pH < 2)	BP4J-125 mL Plastic H2SO4 (pH < 2)	BP3J-250 mL Plastic H2SO4 (pH < 2)	BP2J-500 mL Plastic H2SO4 (pH < 2)	BP1J-1 liter Plastic H2SO4 (pH < 2)	BP4K-125 mL Plastic H2SO4 (pH < 2)	BP3K-250 mL Plastic H2SO4 (pH < 2)	BP2K-500 mL Plastic H2SO4 (pH < 2)	BP1K-1 liter Plastic H2SO4 (pH < 2)	BP4L-125 mL Plastic H2SO4 (pH < 2)	BP3L-250 mL Plastic H2SO4 (pH < 2)	BP2L-500 mL Plastic H2SO4 (pH < 2)	BP1L-1 liter Plastic H2SO4 (pH < 2)			
1		21																																	
2		21																																	
3																																			
4																																			
5																																			
6																																			
7																																			
8																																			
9																																			
10																																			
11																																			
12																																			

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (if applicable), out of field, incorrect preservative, out of temp, incorrect containers.



Submitting a sample for analysis constitutes acknowledgment and acceptance of the Terms and Conditions found at: <http://www.pacesoftware.com/submit-sample-agreement.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information:

Company: **241 Rupp Ranch Blvd. NE**
 City: **Atlanta, GA 30308**
 State: **GA**
 Contact: **241 Rupp Ranch Blvd. NE**
 City: **Atlanta, GA 30308**
 State: **GA**

Project Information:

Project Name: **Sample ID**
 Project #:

Page: 2 of 2

Sample Information:

Sample ID: **92102095**
 Sample Name: **92102095**

Analysis Information:

Analysis Type: **GC-MS**
 Matrix Code: **GC-MS**
 Sample Type: **GC-MS**

Sample ID	Sample Name	Matrix Code	Sample Type	Collection Date	Collection Time	Sample Temp at Collection	# of Containers	Impressions	PCMS	PHOS	PC	NiO4	NaOH	Residue	Other	Analysis Basis	Yield	GC-MS	O.F. SOL	TGA	Alkalinity	
92102095	92102095		GC-MS													X						
BOM-GMC-09			GC-MS													X						
BOM-GMC-10			GC-MS													X						
BOM-GMC-11			GC-MS													X						
BOM-GMC-12			GC-MS													X						
BOM-GMC-13			GC-MS													X						
BOM-GMC-14			GC-MS													X						
BOM-GMC-15			GC-MS													X						
BOM-GMC-16			GC-MS													X						
BOM-GMC-17			GC-MS													X						
BOM-GMC-18			GC-MS													X						
BOM-GMC-19			GC-MS													X						
BOM-GMC-20			GC-MS													X						
BOM-GMC-21			GC-MS													X						
BOM-GMC-22			GC-MS													X						
BOM-GMC-23			GC-MS													X						
BOM-GMC-24			GC-MS													X						
BOM-GMC-25			GC-MS													X						
BOM-GMC-26			GC-MS													X						
BOM-GMC-27			GC-MS													X						
BOM-GMC-28			GC-MS													X						
BOM-GMC-29			GC-MS													X						
BOM-GMC-30			GC-MS													X						
BOM-GMC-31			GC-MS													X						
BOM-GMC-32			GC-MS													X						
BOM-GMC-33			GC-MS													X						
BOM-GMC-34			GC-MS													X						
BOM-GMC-35			GC-MS													X						
BOM-GMC-36			GC-MS													X						
BOM-GMC-37			GC-MS													X						
BOM-GMC-38			GC-MS													X						
BOM-GMC-39			GC-MS													X						
BOM-GMC-40			GC-MS													X						
BOM-GMC-41			GC-MS													X						
BOM-GMC-42			GC-MS													X						
BOM-GMC-43			GC-MS													X						
BOM-GMC-44			GC-MS													X						
BOM-GMC-45			GC-MS													X						
BOM-GMC-46			GC-MS													X						
BOM-GMC-47			GC-MS													X						
BOM-GMC-48			GC-MS													X						
BOM-GMC-49			GC-MS													X						
BOM-GMC-50			GC-MS													X						
BOM-GMC-51			GC-MS													X						
BOM-GMC-52			GC-MS													X						
BOM-GMC-53			GC-MS													X						
BOM-GMC-54			GC-MS													X						
BOM-GMC-55			GC-MS													X						
BOM-GMC-56			GC-MS													X						
BOM-GMC-57			GC-MS													X						
BOM-GMC-58			GC-MS													X						
BOM-GMC-59			GC-MS													X						
BOM-GMC-60			GC-MS													X						

Received on _____ **By** _____ **Temp in C** _____

City/State _____ **Boiler** _____ **Cooler** _____ **Other** _____

Method _____

Signature _____ **Date** _____

Company _____ **Address** _____ **City** _____ **State** _____ **Zip** _____

Phone _____ **Fax** _____ **E-mail** _____

Page

Standard a sample via the chain of custody contractor acknowledgment and acceptance of the data terms and conditions found at the attached packet. www.usdoj.gov/odpr

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Reporting Information:

Client Name: Georgia Power
 Project To: Kirtland Junction, Crawley Substation
 Location: 241 Peach Street Blvd NE
 Project #:
 Date: 8/11/23
 Time: 10:00-11:00
 Location: Peach County
 Project #:
 Date: 8/11/23
 Time: 10:00-11:00
 Location: Peach County

SAMPLE ID
 One character per bar
 (A-Z, 0-9, /, -)
 Sample ID must be unique

Matrix Code (see valid codes at left)
 SAMPLE TYPE: 10-DRAB G-COMPL

COLLECTED
 DATE: 8/11/23
 TIME: 10:00

TEMPERATURE AT COLLECTION
 # OF CONTAINERS: 1
 Unpreserved
 H2SO4
 HNO3
 HCl
 H2O2
 Na2S2O3
 Methanol
 Other

ANALYSIS TYPE: Y/N
 TOX - State Method
 CLP, BLM
 TDR
 Accuracy

Retention Onsite (Y/N)
 YES
 8/11/23
 14:55

ROW	ROW ID	ROW TYPE	DATE	TIME	ANALYSIS TYPE	TOX	CLP, BLM	TDR	ACCURACY
1	ROW1124EB	NO	8	0					
2	ROW1124EB	NO	0						
3	ROW1124EB	NO	0						
4	ROW1124EB	NO	0						
5	ROW1124EB	NO	0						
6	ROW1124EB	NO	0						
7	ROW1124EB	NO	0						
8	ROW1124EB	NO	0						
9	ROW1124EB	NO	0						
10	ROW1124EB	NO	0						
11	ROW1124EB	NO	0						
12	ROW1124EB	NO	0						
13	ROW1124EB	NO	0						
14	ROW1124EB	NO	0						
15	ROW1124EB	NO	0						
16	ROW1124EB	NO	0						
17	ROW1124EB	NO	0						
18	ROW1124EB	NO	0						
19	ROW1124EB	NO	0						
20	ROW1124EB	NO	0						

Client Name: Georgia Power
 Project To: Kirtland Junction, Crawley Substation
 Location: 241 Peach Street Blvd NE
 Project #:
 Date: 8/11/23
 Time: 10:00-11:00
 Location: Peach County
 Project #:
 Date: 8/11/23
 Time: 10:00-11:00
 Location: Peach County

Client Name: Georgia Power
 Project To: Kirtland Junction, Crawley Substation
 Location: 241 Peach Street Blvd NE
 Project #:
 Date: 8/11/23
 Time: 10:00-11:00
 Location: Peach County
 Project #:
 Date: 8/11/23
 Time: 10:00-11:00
 Location: Peach County

DATE: 8/11/23
 TIME: 10:00-11:00
 LOCATION: Peach County

DATE: 8/11/23
 TIME: 10:00-11:00
 LOCATION: Peach County



Submitting a sample via the chain of custody form initiates assignment and acceptance of the PACE Terms and Conditions found in the attached packet at the time of submission.

CHAIN-OF-CUSTODY / Analytical Request Document

Client Information:
 Client: Orange County
 Address: 211 Poplar Wood Blvd NE
 City: Marietta, GA 30067
 Phone: (478) 211-9008
 Fax: (478) 211-9008
 Project Name: Standard
 Project #:

Requested Project Information:
 Request by: Kulum, James, County Standard
 Contact: James Kulum
 Address: 241 Poplar Wood Blvd NE, Marietta, GA 30067
 Phone: (478) 211-9008
 Email: james.kulum@orangecountyga.gov
 Project #:

Analyzer Information:
 Analytical Requester: James Kulum
 Address: 241 Poplar Wood Blvd NE, Marietta, GA 30067
 Phone: (478) 211-9008
 Email: james.kulum@orangecountyga.gov
 Project #:

SAMPLE ID	ANALYSIS	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATION								ANALYTICAL TEST		REMARKS		
					Unpreserved	H2SO4	HNO3	NaOH	Na2CO3	Methanol	Other	HVT - State Method	C. F. 504	TOB		Acidity	
BOW-GWA-1	WAG D																
BOW-GWA-2	WAG G																
BOW-SWA-28	WAG G																
BOW-GWA-28	WAG G	8/1/23	1252		N 3	1											DU
BOW-GWA-29	WAG G																
BOW-GWA-30	WAG G																
BOW-GWA-31	WAG G																
BOW-GWA-32	WAG G																
BOW-GWA-33	WAG G																
BOW-GWA-34	WAG G																
BOW-GWA-35	WAG G																
BOW-GWA-36	WAG G																
BOW-GWA-37	WAG G																
BOW-GWA-38	WAG G																
BOW-GWA-39	WAG G																
BOW-GWA-40	WAG G																
BOW-GWA-41	WAG G																
BOW-GWA-42	WAG G																
BOW-GWA-43	WAG G																
BOW-GWA-44	WAG G																
BOW-GWA-45	WAG G																
BOW-GWA-46	WAG G																
BOW-GWA-47	WAG G																
BOW-GWA-48	WAG G																
BOW-GWA-49	WAG G																
BOW-GWA-50	WAG G																
BOW-GWA-51	WAG G																
BOW-GWA-52	WAG G																
BOW-GWA-53	WAG G																
BOW-GWA-54	WAG G																
BOW-GWA-55	WAG G																
BOW-GWA-56	WAG G																
BOW-GWA-57	WAG G																
BOW-GWA-58	WAG G																
BOW-GWA-59	WAG G																
BOW-GWA-60	WAG G																

Sample Information:
 Sample ID: BOW-GWA-46
 Location: William Leaker
 Date: 8/3/23
 Time: 1055
 Analyst: William Leaker
 Signature: [Signature]
 Date: 8/3/23

Sample Description:
 Sample Description: [Blank]

Sample Collection:
 Collector: [Blank]
 Date: 8/3/23
 Time: 1420
 Location: [Blank]

Sample Storage:
 Storage Location: [Blank]
 Date: 8/3/23
 Time: 1420

Sample Analysis:
 Analysis Date: 8/1/23
 Analysis Location: [Blank]

Sample Disposal:
 Disposal Date: [Blank]
 Disposal Location: [Blank]

Sample Chain of Custody:
 Name: [Blank]
 Title: [Blank]
 Date: [Blank]
 Signature: [Blank]

Sample Receipt:
 Received by: [Blank]
 Date: [Blank]
 Signature: [Blank]



Submitting a sample for the state of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <http://www.pace.com>

CHAIN-OF-CUSTODY / Analytical Request Document

Page 1 of 2 OR 3

Client Information:	Request Project Information:	Sample Information:
Client: <u>General Motors</u>	Request To: <u>Kenneth J. Jensen, Quality Specialist</u>	Agency:
City: <u>Wayne Michigan</u>	City To: <u>LAURENCE, OHIO</u>	Company Name: <u>General Power</u>
44 GA 30006	Project Name: <u>Power LF Cells V12</u>	Address: <u>261 Ralph Road, NE, Atlanta, GA 30305</u>
Project Name: <u>Power LF Cells V12</u>	Project Number: <u>0100000000</u>	Phone Number:
Standard:	Project Name: <u>Power LF Cells V12</u>	Project Project Manager: <u>Scott J. Lumbard</u>
	Project #:	Phone Project #: <u>770-334-1344</u>

SAMPLE ID
 One this letter per box.
 (42, 44, 1, 3)
 Sample ID's must be unique

DATE COLLECTED: [] TIME: []

TEMPERATURE AT COLLECTION: []

NO. OF CONTAINERS: []

PACKAGING: []

ANALYSIS: []

RESIDUAL CHARGE (%): []

NO. OF CONTAINERS	DATE COLLECTED	TIME	TEMPERATURE AT COLLECTION	NO. OF CONTAINERS	PACKAGING	ANALYSIS	RESIDUAL CHARGE (%)
WIS 0	8/1/23	14:33	4/3	1	X	X	0.12
WIS 0	8/1/23	15:02	4/3	1	X	X	0.1
WIS 0	8/1/23	12:58	4/3	1	X	X	0.2
WIS 0	8/1/23	12:45	4/3	1	X	X	0.17
WIS 0	8/1/23	10:48	4/3	1	X	X	0.0
WIS 0	8/1/23	15:00	4/3	1	X	X	0.1
WIS 0	8/1/23	12:58	4/3	1	X	X	0.2
WIS 0	8/1/23	14:33	4/3	1	X	X	0.12

Requester Information:

Name: William Laker Date: 8/3/23 Phone: 1428

Signature: [Signature]

Company: General Motors

Project: Power LF Cells V12

Analyst: [Signature] Date: 8/1/23

Temp in C: []

Received by: []

Checked by: []

Sample ID: []

Page

Specifying a sample vs the chain of custody constitutes circumstantial and acquisition of a per se Term and Conditions found at <https://www.fishbase.org/species/centropomus/guides/chain-of-custody-form.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information:
 Party: Georgia Power
 Address: 211 Peachtree Street NE
 City: Atlanta, GA 30308
 Date: 8/15/23
 Contact: [Name]
 Email: [Email]
 Phone: [Phone]

Request Information:
 Requested Project Information:
 Report To: [Name]
 Report From: [Name]
 Purpose: [Purpose]
 Project Name: [Name]

Media Information:
 Media Name: [Name]
 Media ID: [ID]
 Media Description: [Description]

SAMPLE ID	Matrix Code	Sample Type	Date	Time	Sample Temp at Collection	Preservatives										Analytical Test	RTV + Study Matrix	CF/SGM	TDS	Alkalinity	Residue Charls (Y/N)
						Unpreserved	MSOM	MRB5	MS	MED	METACO	Methanol	Other								
80W-L1-2-0-D3						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D4						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D5			8/1/23			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D6						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D7			8/1/23	1530	43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D8						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D9						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
80W-L1-2-0-D10						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Collected Date: 8/15/23
 Collected Location: [Location]

Received on [Date]
 Collected by: [Name]
 Collected by: [Name]
 Collected by: [Name]

Analysis Information:
 Analytical Request Information:
 Requested by: [Name]
 Requested Date: [Date]
 Requested Location: [Location]
 Requested Time: [Time]

Notes:
 [Notes]

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Form Terms and Conditions found at http://www.pasadenacountycontracts.com/contractors_standard.html, P.C.

Requester Information:
 Requester Name: *George Poyne*
 Requester Title: *211 Region MGRM and NE*
 Requester Company: *San Diego County*
 Requester Address: *14501 N. 10th St*

Page: 1 of 3

Requested Project Information:
 Project Name: *San Diego County*
 Project ID: *SP-CORRU-2008*

Project Location:
 Site Name: *San Diego County*
 Site Address: *San Diego County*

Analyst Information:
 Analyst Name: *George Poyne*
 Analyst Title: *San Diego County*
 Analyst Address: *14501 N. 10th St*

Additional Information:
 Additional Comments: *See Quote*

SAMPLE ID

One container per box.
 Samples must be unique

SAMPLE ID	MATERIAL CODE	SAMPLE TYPE	COLLECTED		DATE	TIME	SAMPLE TEMP. AT COLLECTION	PRESERVATION										ANALYSIS TEST	Y/N	RESIDUAL CHARGE (Y/N)								
			UNPRESERVED	REFRIG				FREEZE	GLYCOL	GLASS	OTHER	DATE	TIME	INITIALS	DATE	TIME	INITIALS											
BOW-OWA-01	WIC	0																										
BOW-OWA-02	WIC	5																										
BOW-OWA-03	WIC	5																										
BOW-OWA-04	WIC	5																										
BOW-OWA-05	WIC	5																										
BOW-OWA-06	WIC	5																										
BOW-OWA-07	WIC	5																										
BOW-OWA-08	WIC	5																										
BOW-OWA-09	WIC	5																										
BOW-OWA-10	WIC	5																										
BOW-OWA-11	WIC	5																										
BOW-OWA-12	WIC	5																										
BOW-OWA-13	WIC	5																										
BOW-OWA-14	WIC	5																										
BOW-OWA-15	WIC	5																										
BOW-OWA-16	WIC	5																										
BOW-OWA-17	WIC	5																										
BOW-OWA-18	WIC	5																										
BOW-OWA-19	WIC	5																										
BOW-OWA-20	WIC	5																										
BOW-OWA-21	WIC	5																										

Additional Information:
 Additional Comments: *See Quote*

Requester Name: *George Poyne*
 Requester Title: *San Diego County*
 Requester Address: *14501 N. 10th St*

Analyst Name: *George Poyne*
 Analyst Title: *San Diego County*
 Analyst Address: *14501 N. 10th St*

Signature: *[Signature]*
 Date: *7/31/23*

Temperature: *13.1/23*

Page

CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Print Terms and Conditions found at mpa.hill.com/analytical-standards.html

Client Information: Request to: Nelson Atkins, East of Baltimore, MD. Requested By: Laura Martin, Bureau of Criminal Investigation, State of Maryland. Sample Order #: 0803240008. Project Name: Down LF Case 182. Project #: 180304.

Table with columns: SAMPLE ID, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, PRESERVATION, ANALYSIS TEST, and RESIDUE CHANGE (%N). Includes handwritten sample ID 92434955.

Main data table with columns: ROW, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, PRESERVATION, ANALYSIS TEST, and RESIDUE CHANGE (%N). Contains multiple rows of sample data.

Signature and Date fields. Includes signature of Brian Williams and date 8/31/23. Also includes a date stamp 7/31/23.



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the PCCB Terms and Conditions found at <http://pccb.com>.

Page: 1 of 2

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Client Information:	Project To: Northern County Sheriff's Department	Company Name: Orange County
Project To: Northern County Sheriff's Department	Address: 241 9th Street and 19th Avenue CA 92668	Project Name: Orange County Sheriff's Department
Requester Name: Kevin Haggerty	Requester Title: Police Officer	Requester Email: Kevin.Haggerty@ocsheriff.com
Requester Phone: (949) 450-1111	Requester Address: 241 9th Street and 19th Avenue CA 92668	Requester Fax: (949) 450-1111

SAMPLE ID	NATURE CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES										Analysis Test	Retention Criteria (Y/N)	
							Unpreserved	H2SO4	HNO3	HCl	HAcid	H2SO3	Methanol	Other	TV - State Method	TV - 504			TES
SDW-LE12-EB	W10	D	7/31/23	—	43	1													
SDW-LE12-EB	W10	D	7/31/23	1635	43	1													
SDW-LE12-EB	W10	D																	
SDW-LE12-EB	W10	D																	
SDW-LE12-EB	W10	D																	

Requested By: William Linder	Date: 8/3/23	Time: 1055	Location: Orange County Sheriff's Department
Requested By: Kevin Haggerty	Date: 8/3/23	Time: 1420	Location: Orange County Sheriff's Department
Requested By: Kevin Haggerty	Date: 8/3/23	Time: 1420	Location: Orange County Sheriff's Department

Received on (Yr) _____
 County (CO) _____
 Sample No. (SN) _____



August 21, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 3&4
Pace Project No.: 92680804

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 03, 2023 and August 07, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92680804001	BOW-GWA-36A	Water	08/02/23 10:40	08/03/23 14:20
92680804002	BOW-GWA-37	Water	08/02/23 11:36	08/03/23 14:20
92680804003	BOW-GWA-38	Water	08/02/23 13:34	08/03/23 14:20
92680804004	BOW-LF3-4-FD-06	Water	08/02/23 00:00	08/03/23 14:20
92680804005	BOW-LF3-4-FB-09	Water	08/02/23 15:40	08/03/23 14:20
92680804006	BOW-GWA-36RA	Water	08/03/23 11:34	08/07/23 15:42
92680804007	BOW-GWC-17R	Water	08/03/23 11:52	08/07/23 15:42
92680804008	BOW-GWC-18	Water	08/03/23 15:08	08/07/23 15:42
92680804009	BOW-GWC-20R	Water	08/03/23 15:30	08/07/23 15:42
92680804010	BOW-GWC-22R	Water	08/03/23 14:05	08/07/23 15:42
92680804011	BOW-GWC-23R	Water	08/03/23 10:00	08/07/23 15:42
92680804012	BOW-GWC-24R	Water	08/03/23 11:40	08/07/23 15:42
92680804013	BOW-GWC-25R	Water	08/03/23 10:18	08/07/23 15:42
92680804014	BOW-LF3-4-FD-07	Water	08/03/23 00:00	08/07/23 15:42
92680804015	BOW-LF3-4-FB-10	Water	08/03/23 16:00	08/07/23 15:42
92680804016	BOW-GWC-16R	Water	08/04/23 09:59	08/07/23 15:42
92680804017	BOW-GWC-18R	Water	08/04/23 11:10	08/07/23 15:42
92680804018	BOW-GWC-19R	Water	08/04/23 11:38	08/07/23 15:42
92680804019	BOW-GWC-21R	Water	08/04/23 10:08	08/07/23 15:42
92680804020	BOW-LF3-4-FB-11	Water	08/04/23 11:55	08/07/23 15:42

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92680804001	BOW-GWA-36A	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804002	BOW-GWA-37	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804003	BOW-GWA-38	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804004	BOW-LF3-4-FD-06	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804005	BOW-LF3-4-FB-09	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804006	BOW-GWA-36RA	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804007	BOW-GWC-17R	EPA 6010D	MS	7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92680804008	BOW-GWC-18	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92680804009	BOW-GWC-20R	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92680804010	BOW-GWC-22R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
92680804011	BOW-GWC-23R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92680804012	BOW-GWC-24R	EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92680804013	BOW-GWC-25R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92680804014	BOW-LF3-4-FD-07	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92680804015	BOW-LF3-4-FB-10	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804016	BOW-GWC-16R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
92680804017	BOW-GWC-18R	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92680804018	BOW-GWC-19R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804019	BOW-GWC-21R	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
92680804020	BOW-LF3-4-FB-11	EPA 6010D	MS	7
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92680804001	BOW-GWA-36A					
EPA 6010D	Iron	0.13	mg/L	0.040	08/12/23 04:55	
EPA 6010D	Manganese	0.020J	mg/L	0.040	08/12/23 04:55	
EPA 6010D	Potassium	1.3	mg/L	0.50	08/12/23 04:55	
EPA 6010D	Sodium	1.8	mg/L	1.0	08/12/23 04:55	
EPA 6010D	Calcium	40.7	mg/L	1.0	08/12/23 04:55	M1
EPA 6010D	Magnesium	22.1	mg/L	0.050	08/12/23 04:55	M1
EPA 6020B	Barium	0.026	mg/L	0.0050	08/16/23 15:21	
EPA 6020B	Boron	0.0091J	mg/L	0.040	08/16/23 15:21	
SM 2540C-2015	Total Dissolved Solids	224	mg/L	25.0	08/04/23 17:14	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	192	mg/L	5.0	08/09/23 21:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	192	mg/L	5.0	08/09/23 21:51	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	08/06/23 03:00	
EPA 300.0 Rev 2.1 1993	Sulfate	7.9	mg/L	1.0	08/06/23 03:00	
92680804002	BOW-GWA-37					
EPA 6010D	Manganese	0.014J	mg/L	0.040	08/12/23 05:15	
EPA 6010D	Potassium	0.48J	mg/L	0.50	08/12/23 05:15	
EPA 6010D	Sodium	2.5	mg/L	1.0	08/12/23 05:15	
EPA 6010D	Calcium	0.64J	mg/L	1.0	08/12/23 05:15	
EPA 6010D	Magnesium	0.28	mg/L	0.050	08/12/23 05:15	
EPA 6020B	Antimony	0.0018J	mg/L	0.0030	08/16/23 15:44	
EPA 6020B	Barium	0.0038J	mg/L	0.0050	08/15/23 20:00	
EPA 6020B	Copper	0.014	mg/L	0.0050	08/15/23 20:00	
EPA 6020B	Nickel	0.013	mg/L	0.0050	08/15/23 20:00	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	6.1	mg/L	5.0	08/09/23 22:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	6.1	mg/L	5.0	08/09/23 22:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	08/06/23 03:48	
EPA 300.0 Rev 2.1 1993	Sulfate	0.57J	mg/L	1.0	08/06/23 03:48	
92680804003	BOW-GWA-38					
EPA 6010D	Potassium	0.73	mg/L	0.50	08/12/23 05:29	
EPA 6010D	Sodium	5.1	mg/L	1.0	08/12/23 05:29	
EPA 6010D	Calcium	49.2	mg/L	1.0	08/12/23 05:29	
EPA 6010D	Magnesium	5.4	mg/L	0.050	08/12/23 05:29	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/16/23 15:50	
EPA 6020B	Cobalt	0.0010J	mg/L	0.0050	08/16/23 15:50	
EPA 6020B	Nickel	0.00090J	mg/L	0.0050	08/16/23 15:50	
SM 2540C-2015	Total Dissolved Solids	32.0	mg/L	25.0	08/04/23 17:14	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	08/06/23 04:03	
EPA 300.0 Rev 2.1 1993	Sulfate	0.67J	mg/L	1.0	08/06/23 04:03	
92680804004	BOW-LF3-4-FD-06					
EPA 6010D	Iron	0.15	mg/L	0.040	08/12/23 05:34	
EPA 6010D	Manganese	0.020J	mg/L	0.040	08/12/23 05:34	
EPA 6010D	Zinc	0.0092J	mg/L	0.020	08/12/23 05:34	
EPA 6010D	Potassium	1.4	mg/L	0.50	08/12/23 05:34	
EPA 6010D	Sodium	1.9	mg/L	1.0	08/12/23 05:34	
EPA 6010D	Calcium	42.2	mg/L	1.0	08/12/23 05:34	
EPA 6010D	Magnesium	23.1	mg/L	0.050	08/12/23 05:34	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92680804004	BOW-LF3-4-FD-06					
EPA 6020B	Barium	0.025	mg/L	0.0050	08/16/23 15:56	
SM 2540C-2015	Total Dissolved Solids	212	mg/L	25.0	08/04/23 17:14	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	08/09/23 22:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	193	mg/L	5.0	08/09/23 22:32	M1
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	08/05/23 15:55	
EPA 300.0 Rev 2.1 1993	Sulfate	7.9	mg/L	1.0	08/05/23 15:55	
92680804005	BOW-LF3-4-FB-09					
SM 2540C-2015	Total Dissolved Solids	32.0	mg/L	25.0	08/04/23 17:15	
92680804006	BOW-GWA-36RA					
EPA 6010D	Potassium	1.2	mg/L	0.50	08/12/23 01:18	
EPA 6010D	Sodium	2.1	mg/L	1.0	08/12/23 01:18	
EPA 6010D	Iron	0.12	mg/L	0.040	08/10/23 09:30	
EPA 6010D	Calcium	40.8	mg/L	1.0	08/10/23 09:30	
EPA 6010D	Magnesium	20.7	mg/L	0.050	08/10/23 09:30	
EPA 6020B	Barium	0.033	mg/L	0.0050	08/17/23 18:03	
EPA 6020B	Boron	0.018J	mg/L	0.040	08/17/23 18:03	
SM 2540C-2015	Total Dissolved Solids	188	mg/L	25.0	08/08/23 16:22	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	196	mg/L	5.0	08/10/23 15:46	
SM 2320B-2011	Alkalinity, Total as CaCO3	196	mg/L	5.0	08/10/23 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	08/08/23 17:14	
EPA 300.0 Rev 2.1 1993	Sulfate	4.2	mg/L	1.0	08/08/23 17:14	
92680804007	BOW-GWC-17R					
EPA 6010D	Calcium	65.2	mg/L	1.0	08/10/23 09:35	
EPA 6010D	Magnesium	34.6	mg/L	0.050	08/10/23 09:35	
EPA 6010D	Potassium	0.84	mg/L	0.50	08/12/23 01:22	
EPA 6010D	Sodium	2.3	mg/L	1.0	08/12/23 01:22	
EPA 6020B	Antimony	0.0033	mg/L	0.0030	08/17/23 18:27	
EPA 6020B	Barium	0.019	mg/L	0.0050	08/17/23 18:27	
EPA 6020B	Boron	0.014J	mg/L	0.040	08/17/23 18:27	
SM 2540C-2015	Total Dissolved Solids	316	mg/L	25.0	08/08/23 16:23	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	311	mg/L	5.0	08/10/23 18:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	311	mg/L	5.0	08/10/23 18:48	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	08/08/23 17:29	
EPA 300.0 Rev 2.1 1993	Sulfate	7.0	mg/L	1.0	08/08/23 17:29	
92680804008	BOW-GWC-18					
EPA 6010D	Potassium	1.0	mg/L	0.50	08/12/23 01:37	
EPA 6010D	Sodium	1.4	mg/L	1.0	08/12/23 01:37	
EPA 6010D	Calcium	16.5	mg/L	1.0	08/10/23 09:39	
EPA 6010D	Magnesium	9.2	mg/L	0.050	08/10/23 09:39	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/17/23 18:33	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	08/17/23 18:33	
SM 2540C-2015	Total Dissolved Solids	82.0	mg/L	25.0	08/08/23 16:25	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	84.4	mg/L	5.0	08/10/23 16:06	
SM 2320B-2011	Alkalinity, Total as CaCO3	84.4	mg/L	5.0	08/10/23 16:06	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	08/08/23 17:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92680804008	BOW-GWC-18					
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	08/08/23 17:44	
92680804009	BOW-GWC-20R					
EPA 6010D	Potassium	0.88	mg/L	0.50	08/12/23 01:42	
EPA 6010D	Sodium	2.5	mg/L	1.0	08/12/23 01:42	
EPA 6010D	Calcium	41.9	mg/L	1.0	08/10/23 09:57	
EPA 6010D	Magnesium	23.3	mg/L	0.050	08/10/23 09:57	
EPA 6020B	Barium	0.035	mg/L	0.0050	08/17/23 18:39	
SM 2540C-2015	Total Dissolved Solids	193	mg/L	25.0	08/08/23 16:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	210	mg/L	5.0	08/10/23 16:23	
SM 2320B-2011	Alkalinity, Total as CaCO3	210	mg/L	5.0	08/10/23 16:23	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	08/08/23 17:59	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	08/08/23 17:59	
92680804010	BOW-GWC-22R					
EPA 6010D	Potassium	1.3	mg/L	0.50	08/12/23 01:47	
EPA 6010D	Sodium	1.8	mg/L	1.0	08/12/23 01:47	
EPA 6010D	Iron	0.55	mg/L	0.040	08/10/23 10:02	
EPA 6010D	Manganese	0.049	mg/L	0.040	08/10/23 10:02	
EPA 6010D	Calcium	33.6	mg/L	1.0	08/10/23 10:02	
EPA 6010D	Magnesium	18.0	mg/L	0.050	08/10/23 10:02	
EPA 6020B	Barium	0.033	mg/L	0.0050	08/17/23 18:44	
EPA 6020B	Cobalt	0.00047J	mg/L	0.0050	08/17/23 18:44	
SM 2540C-2015	Total Dissolved Solids	153	mg/L	25.0	08/08/23 16:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	08/10/23 16:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	175	mg/L	5.0	08/10/23 16:36	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/08/23 18:14	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/08/23 18:14	
92680804011	BOW-GWC-23R					
EPA 6010D	Potassium	2.9	mg/L	0.50	08/12/23 01:51	
EPA 6010D	Sodium	97.6	mg/L	1.0	08/12/23 01:51	
EPA 6010D	Iron	0.61	mg/L	0.040	08/10/23 10:07	
EPA 6010D	Manganese	0.081	mg/L	0.040	08/10/23 10:07	
EPA 6010D	Calcium	65.2	mg/L	1.0	08/10/23 10:07	
EPA 6010D	Magnesium	34.9	mg/L	0.050	08/10/23 10:07	
EPA 6020B	Arsenic	0.0049J	mg/L	0.0050	08/17/23 19:02	
EPA 6020B	Barium	0.042	mg/L	0.0050	08/17/23 19:02	
EPA 6020B	Cobalt	0.00047J	mg/L	0.0050	08/17/23 19:02	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	08/17/23 19:02	
SM 2540C-2015	Total Dissolved Solids	536	mg/L	25.0	08/08/23 16:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	479	mg/L	5.0	08/10/23 18:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	479	mg/L	5.0	08/10/23 18:57	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	08/08/23 18:29	
EPA 300.0 Rev 2.1 1993	Sulfate	69.2	mg/L	1.0	08/08/23 18:29	
92680804012	BOW-GWC-24R					
EPA 6010D	Iron	0.22	mg/L	0.040	08/10/23 10:11	
EPA 6010D	Calcium	31.7	mg/L	1.0	08/10/23 10:11	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92680804012	BOW-GWC-24R					
EPA 6010D	Magnesium	17.6	mg/L	0.050	08/10/23 10:11	
EPA 6010D	Potassium	0.82	mg/L	0.50	08/12/23 01:56	
EPA 6010D	Sodium	1.3	mg/L	1.0	08/12/23 01:56	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/17/23 19:08	
SM 2540C-2015	Total Dissolved Solids	146	mg/L	25.0	08/08/23 16:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	08/10/23 16:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	159	mg/L	5.0	08/10/23 16:54	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	08/08/23 18:44	
EPA 300.0 Rev 2.1 1993	Sulfate	3.0	mg/L	1.0	08/08/23 18:44	
92680804013	BOW-GWC-25R					
EPA 6010D	Potassium	0.77	mg/L	0.50	08/12/23 02:01	
EPA 6010D	Sodium	1.3	mg/L	1.0	08/12/23 02:01	
EPA 6010D	Calcium	34.3	mg/L	1.0	08/10/23 10:16	
EPA 6010D	Magnesium	19.0	mg/L	0.050	08/10/23 10:16	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/17/23 19:14	
SM 2540C-2015	Total Dissolved Solids	170	mg/L	25.0	08/08/23 16:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	177	mg/L	5.0	08/10/23 17:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	177	mg/L	5.0	08/10/23 17:04	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/08/23 19:32	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	08/08/23 19:32	
92680804014	BOW-LF3-4-FD-07					
EPA 6010D	Potassium	0.78	mg/L	0.50	08/12/23 02:06	
EPA 6010D	Sodium	1.4	mg/L	1.0	08/12/23 02:06	
EPA 6010D	Calcium	34.7	mg/L	1.0	08/10/23 10:21	
EPA 6010D	Magnesium	19.0	mg/L	0.050	08/10/23 10:21	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/17/23 19:20	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	08/17/23 19:20	
SM 2540C-2015	Total Dissolved Solids	166	mg/L	25.0	08/08/23 16:27	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	08/10/23 17:15	
SM 2320B-2011	Alkalinity, Total as CaCO3	175	mg/L	5.0	08/10/23 17:15	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/08/23 21:02	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	08/08/23 21:02	
92680804015	BOW-LF3-4-FB-10					
EPA 6010D	Zinc	0.0093J	mg/L	0.020	08/10/23 10:26	
92680804016	BOW-GWC-16R					
EPA 6010D	Potassium	2.6	mg/L	0.50	08/12/23 02:16	
EPA 6010D	Sodium	6.3	mg/L	1.0	08/12/23 02:16	
EPA 6010D	Zinc	0.036	mg/L	0.020	08/10/23 10:32	
EPA 6010D	Calcium	69.8	mg/L	1.0	08/10/23 10:32	
EPA 6010D	Magnesium	30.6	mg/L	0.050	08/10/23 10:32	
EPA 6020B	Antimony	0.012	mg/L	0.0030	08/17/23 19:32	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/17/23 19:32	
EPA 6020B	Nickel	0.0091	mg/L	0.0050	08/17/23 19:32	
SM 2540C-2015	Total Dissolved Solids	306	mg/L	25.0	08/08/23 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	329	mg/L	5.0	08/11/23 08:53	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92680804016	BOW-GWC-16R					
SM 2320B-2011	Alkalinity, Total as CaCO ₃	329	mg/L	5.0	08/11/23 08:53	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	08/08/23 21:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.079J	mg/L	0.10	08/08/23 21:33	
EPA 300.0 Rev 2.1 1993	Sulfate	6.1	mg/L	1.0	08/08/23 21:33	
92680804017	BOW-GWC-18R					
EPA 6010D	Potassium	0.77	mg/L	0.50	08/12/23 02:20	
EPA 6010D	Sodium	1.5	mg/L	1.0	08/12/23 02:20	
EPA 6010D	Calcium	31.8	mg/L	1.0	08/10/23 10:37	
EPA 6010D	Magnesium	17.4	mg/L	0.050	08/10/23 10:37	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/17/23 19:38	
SM 2540C-2015	Total Dissolved Solids	148	mg/L	25.0	08/08/23 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO ₃)	150	mg/L	5.0	08/10/23 17:38	
SM 2320B-2011	Alkalinity, Total as CaCO ₃	150	mg/L	5.0	08/10/23 17:38	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	08/08/23 21:47	
EPA 300.0 Rev 2.1 1993	Sulfate	2.2	mg/L	1.0	08/08/23 21:47	
92680804018	BOW-GWC-19R					
EPA 6010D	Calcium	31.1	mg/L	1.0	08/10/23 10:42	
EPA 6010D	Magnesium	16.9	mg/L	0.050	08/10/23 10:42	
EPA 6010D	Potassium	0.72	mg/L	0.50	08/12/23 02:35	
EPA 6010D	Sodium	1.3	mg/L	1.0	08/12/23 02:35	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/17/23 19:44	
SM 2540C-2015	Total Dissolved Solids	163	mg/L	25.0	08/08/23 16:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO ₃)	155	mg/L	5.0	08/10/23 17:48	
SM 2320B-2011	Alkalinity, Total as CaCO ₃	155	mg/L	5.0	08/10/23 17:48	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/08/23 22:02	
EPA 300.0 Rev 2.1 1993	Sulfate	3.6	mg/L	1.0	08/08/23 22:02	
92680804019	BOW-GWC-21R					
EPA 6010D	Potassium	1.4	mg/L	0.50	08/12/23 02:40	
EPA 6010D	Sodium	4.3	mg/L	1.0	08/12/23 02:40	
EPA 6010D	Calcium	68.8	mg/L	1.0	08/10/23 10:56	
EPA 6010D	Magnesium	34.5	mg/L	0.050	08/10/23 10:56	
EPA 6020B	Antimony	0.0030	mg/L	0.0030	08/17/23 19:50	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/17/23 19:50	
EPA 6020B	Chromium	0.0067	mg/L	0.0050	08/17/23 19:50	
EPA 6020B	Copper	0.0016J	mg/L	0.0050	08/17/23 19:50	
EPA 6020B	Nickel	0.00098J	mg/L	0.0050	08/17/23 19:50	
EPA 6020B	Thallium	0.00022J	mg/L	0.0010	08/17/23 19:50	
SM 2540C-2015	Total Dissolved Solids	298	mg/L	25.0	08/08/23 16:31	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO ₃)	310	mg/L	5.0	08/11/23 09:03	
SM 2320B-2011	Alkalinity, Total as CaCO ₃	310	mg/L	5.0	08/11/23 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/08/23 22:17	
EPA 300.0 Rev 2.1 1993	Sulfate	5.8	mg/L	1.0	08/08/23 22:17	
92680804020	BOW-LF3-4-FB-11					
EPA 6010D	Potassium	0.18J	mg/L	0.50	08/12/23 02:45	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-36A Lab ID: 92680804001 Collected: 08/02/23 10:40 Received: 08/03/23 14:20 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.13	mg/L	0.040	0.025	1	08/11/23 14:21	08/12/23 04:55	7439-89-6	
Manganese	0.020J	mg/L	0.040	0.011	1	08/11/23 14:21	08/12/23 04:55	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/11/23 14:21	08/12/23 04:55	7440-66-6	
Potassium	1.3	mg/L	0.50	0.15	1	08/11/23 14:21	08/12/23 04:55	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	08/11/23 14:21	08/12/23 04:55	7440-23-5	
Calcium	40.7	mg/L	1.0	0.12	1	08/11/23 14:21	08/12/23 04:55	7440-70-2	M1
Magnesium	22.1	mg/L	0.050	0.012	1	08/11/23 14:21	08/12/23 04:55	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:21	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:21	7440-41-7	
Boron	0.0091J	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 15:21	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 15:21	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 15:21	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	224	mg/L	25.0	25.0	1		08/04/23 17:14		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	192	mg/L	5.0	5.0	1		08/09/23 21:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 21:51		
Alkalinity, Total as CaCO3	192	mg/L	5.0	5.0	1		08/09/23 21:51		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		08/06/23 03:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 03:00	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-36A Lab ID: 92680804001 Collected: 08/02/23 10:40 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	7.9	mg/L	1.0	0.50	1		08/06/23 03:00	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-37		Lab ID: 92680804002		Collected: 08/02/23 11:36		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/11/23 14:21	08/12/23 05:15	7439-89-6		
Manganese	0.014J	mg/L	0.040	0.011	1	08/11/23 14:21	08/12/23 05:15	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/11/23 14:21	08/12/23 05:15	7440-66-6		
Potassium	0.48J	mg/L	0.50	0.15	1	08/11/23 14:21	08/12/23 05:15	7440-09-7		
Sodium	2.5	mg/L	1.0	0.58	1	08/11/23 14:21	08/12/23 05:15	7440-23-5		
Calcium	0.64J	mg/L	1.0	0.12	1	08/11/23 14:21	08/12/23 05:15	7440-70-2		
Magnesium	0.28	mg/L	0.050	0.012	1	08/11/23 14:21	08/12/23 05:15	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.0018J	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:44	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:44	7440-38-2		
Barium	0.0038J	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 20:00	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:44	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:44	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 20:00	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 20:00	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 20:00	7440-48-4		
Copper	0.014	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 20:00	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 20:00	7439-92-1		
Nickel	0.013	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 20:00	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:44	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 20:00	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 20:00	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 20:00	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:31	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/04/23 17:14			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	6.1	mg/L	5.0	5.0	1		08/09/23 22:12			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 22:12			
Alkalinity, Total as CaCO3	6.1	mg/L	5.0	5.0	1		08/09/23 22:12			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.0	mg/L	1.0	0.60	1		08/06/23 03:48	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 03:48	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-37 Lab ID: 92680804002 Collected: 08/02/23 11:36 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.57J	mg/L	1.0	0.50	1		08/06/23 03:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-38		Lab ID: 92680804003		Collected: 08/02/23 13:34		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	ND	mg/L	0.040	0.025	1	08/11/23 14:21	08/12/23 05:29	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/11/23 14:21	08/12/23 05:29	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/11/23 14:21	08/12/23 05:29	7440-66-6		
Potassium	0.73	mg/L	0.50	0.15	1	08/11/23 14:21	08/12/23 05:29	7440-09-7		
Sodium	5.1	mg/L	1.0	0.58	1	08/11/23 14:21	08/12/23 05:29	7440-23-5		
Calcium	49.2	mg/L	1.0	0.12	1	08/11/23 14:21	08/12/23 05:29	7440-70-2		
Magnesium	5.4	mg/L	0.050	0.012	1	08/11/23 14:21	08/12/23 05:29	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:50	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:50	7440-38-2		
Barium	0.011	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 15:50	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:50	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:50	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 15:50	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 15:50	7440-47-3		
Cobalt	0.0010J	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 15:50	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 15:50	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 15:50	7439-92-1		
Nickel	0.00090J	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 15:50	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:50	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 15:50	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 15:50	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 15:50	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:34	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	32.0	mg/L	25.0	25.0	1		08/04/23 17:14			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 22:17			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 22:17			
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/09/23 22:17			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	3.4	mg/L	1.0	0.60	1		08/06/23 04:03	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/06/23 04:03	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-38 Lab ID: 92680804003 Collected: 08/02/23 13:34 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	0.67J	mg/L	1.0	0.50	1		08/06/23 04:03	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FD-06		Lab ID: 92680804004		Collected: 08/02/23 00:00		Received: 08/03/23 14:20		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	0.15	mg/L	0.040	0.025	1	08/11/23 14:21	08/12/23 05:34	7439-89-6		
Manganese	0.020J	mg/L	0.040	0.011	1	08/11/23 14:21	08/12/23 05:34	7439-96-5		
Zinc	0.0092J	mg/L	0.020	0.0085	1	08/11/23 14:21	08/12/23 05:34	7440-66-6		
Potassium	1.4	mg/L	0.50	0.15	1	08/11/23 14:21	08/12/23 05:34	7440-09-7		
Sodium	1.9	mg/L	1.0	0.58	1	08/11/23 14:21	08/12/23 05:34	7440-23-5		
Calcium	42.2	mg/L	1.0	0.12	1	08/11/23 14:21	08/12/23 05:34	7440-70-2		
Magnesium	23.1	mg/L	0.050	0.012	1	08/11/23 14:21	08/12/23 05:34	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 15:56	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/16/23 15:56	7440-38-2		
Barium	0.025	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/16/23 15:56	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 15:56	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 15:56	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/16/23 15:56	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/16/23 15:56	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/16/23 15:56	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/16/23 15:56	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/16/23 15:56	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/16/23 15:56	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/16/23 15:56	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/16/23 15:56	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/16/23 15:56	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/16/23 15:56	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:36	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	212	mg/L	25.0	25.0	1		08/04/23 17:14			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	5.0	1		08/09/23 22:32			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/09/23 22:32			
Alkalinity, Total as CaCO3	193	mg/L	5.0	5.0	1		08/09/23 22:32		M1	
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.5	mg/L	1.0	0.60	1		08/05/23 15:55	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 15:55	16984-48-8	M1	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FD-06 Lab ID: 92680804004 Collected: 08/02/23 00:00 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	7.9	mg/L	1.0	0.50	1		08/05/23 15:55	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FB-09 Lab ID: 92680804005 Collected: 08/02/23 15:40 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	ND	mg/L	0.040	0.025	1	08/11/23 14:21	08/12/23 05:39	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/11/23 14:21	08/12/23 05:39	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/11/23 14:21	08/12/23 05:39	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/11/23 14:21	08/12/23 05:39	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/11/23 14:21	08/12/23 05:39	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/11/23 14:21	08/12/23 05:39	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/11/23 14:21	08/12/23 05:39	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/07/23 14:07	08/16/23 16:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/07/23 14:07	08/15/23 20:36	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/07/23 14:07	08/15/23 20:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/07/23 14:07	08/16/23 16:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/07/23 14:07	08/16/23 16:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/07/23 14:07	08/15/23 20:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/07/23 14:07	08/15/23 20:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/07/23 14:07	08/15/23 20:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/07/23 14:07	08/15/23 20:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/07/23 14:07	08/15/23 20:36	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/07/23 14:07	08/15/23 20:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/07/23 14:07	08/15/23 20:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/07/23 14:07	08/15/23 20:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/07/23 14:07	08/15/23 20:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/07/23 14:07	08/15/23 20:36	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/08/23 08:00	08/08/23 16:39	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	32.0	mg/L	25.0	25.0	1		08/04/23 17:15		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 15:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 15:42		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/10/23 15:42		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	ND	mg/L	1.0	0.60	1		08/05/23 16:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/05/23 16:40	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FB-09 Lab ID: 92680804005 Collected: 08/02/23 15:40 Received: 08/03/23 14:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/05/23 16:40	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-36RA		Lab ID: 92680804006		Collected: 08/03/23 11:34		Received: 08/07/23 15:42		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	1.2	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:18	7440-09-7		
Sodium	2.1	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:18	7440-23-5		
Iron	0.12	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 09:30	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 09:30	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 09:30	7440-66-6		
Calcium	40.8	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 09:30	7440-70-2		
Magnesium	20.7	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 09:30	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 18:03	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 18:03	7440-38-2		
Barium	0.033	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 18:03	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 18:03	7440-41-7		
Boron	0.018J	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 18:03	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 18:03	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 18:03	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 18:03	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 18:03	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 18:03	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 18:03	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 18:03	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 18:03	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 18:03	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 18:03	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:05	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	188	mg/L	25.0	25.0	1		08/08/23 16:22			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	196	mg/L	5.0	5.0	1		08/10/23 15:46			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 15:46			
Alkalinity, Total as CaCO3	196	mg/L	5.0	5.0	1		08/10/23 15:46			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.5	mg/L	1.0	0.60	1		08/08/23 17:14	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 17:14	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWA-36RA Lab ID: 92680804006 Collected: 08/03/23 11:34 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	4.2	mg/L	1.0	0.50	1		08/08/23 17:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-17R		Lab ID: 92680804007		Collected: 08/03/23 11:52		Received: 08/07/23 15:42		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 09:35	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 09:35	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 09:35	7440-66-6	
Calcium	65.2	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 09:35	7440-70-2	
Magnesium	34.6	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 09:35	7439-95-4	
Potassium	0.84	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:22	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:22	7440-23-5	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0033	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 18:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 18:27	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 18:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 18:27	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 18:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 18:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 18:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 18:27	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 18:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 18:27	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 18:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 18:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 18:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 18:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 18:27	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:08	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	316	mg/L	25.0	25.0	1		08/08/23 16:23		
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville							
Alkalinity,Bicarbonate (CaCO3)	311	mg/L	5.0	5.0	1		08/10/23 18:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 18:48		
Alkalinity, Total as CaCO3	311	mg/L	5.0	5.0	1		08/10/23 18:48		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	4.2	mg/L	1.0	0.60	1		08/08/23 17:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 17:29	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-17R Lab ID: 92680804007 Collected: 08/03/23 11:52 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	7.0	mg/L	1.0	0.50	1		08/08/23 17:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-18		Lab ID: 92680804008		Collected: 08/03/23 15:08		Received: 08/07/23 15:42		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	1.0	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:37	7440-09-7		
Sodium	1.4	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:37	7440-23-5		
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 09:39	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 09:39	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 09:39	7440-66-6		
Calcium	16.5	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 09:39	7440-70-2		
Magnesium	9.2	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 09:39	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 18:33	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 18:33	7440-38-2		
Barium	0.012	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 18:33	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 18:33	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 18:33	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 18:33	7440-43-9		
Chromium	0.0012J	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 18:33	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 18:33	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 18:33	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 18:33	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 18:33	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 18:33	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 18:33	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 18:33	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 18:33	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:18	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	82.0	mg/L	25.0	25.0	1		08/08/23 16:25			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	84.4	mg/L	5.0	5.0	1		08/10/23 16:06			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 16:06			
Alkalinity, Total as CaCO3	84.4	mg/L	5.0	5.0	1		08/10/23 16:06			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	1.9	mg/L	1.0	0.60	1		08/08/23 17:44	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 17:44	16984-48-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-18 Lab ID: 92680804008 Collected: 08/03/23 15:08 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.5	mg/L	1.0	0.50	1		08/08/23 17:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-20R Lab ID: 92680804009 Collected: 08/03/23 15:30 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.88	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:42	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:42	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 09:57	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 09:57	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 09:57	7440-66-6	
Calcium	41.9	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 09:57	7440-70-2	
Magnesium	23.3	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 09:57	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 18:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 18:39	7440-38-2	
Barium	0.035	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 18:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 18:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 18:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 18:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 18:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 18:39	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 18:39	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 18:39	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 18:39	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 18:39	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 18:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 18:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 18:39	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	193	mg/L	25.0	25.0	1		08/08/23 16:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	210	mg/L	5.0	5.0	1		08/10/23 16:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 16:23		
Alkalinity, Total as CaCO3	210	mg/L	5.0	5.0	1		08/10/23 16:23		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		08/08/23 17:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 17:59	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-20R **Lab ID: 92680804009** Collected: 08/03/23 15:30 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.4	mg/L	1.0	0.50	1		08/08/23 17:59	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-22R Lab ID: 92680804010 Collected: 08/03/23 14:05 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Potassium	1.3	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:47	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:47	7440-23-5	
Iron	0.55	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:02	7439-89-6	
Manganese	0.049	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:02	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:02	7440-66-6	
Calcium	33.6	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:02	7440-70-2	
Magnesium	18.0	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:02	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 18:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 18:44	7440-38-2	
Barium	0.033	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 18:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 18:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 18:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 18:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 18:44	7440-47-3	
Cobalt	0.00047J	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 18:44	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 18:44	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 18:44	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 18:44	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 18:44	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 18:44	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 18:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 18:44	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:24	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	153	mg/L	25.0	25.0	1		08/08/23 16:26		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	5.0	1		08/10/23 16:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 16:36		
Alkalinity, Total as CaCO3	175	mg/L	5.0	5.0	1		08/10/23 16:36		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1		08/08/23 18:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 18:14	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-22R Lab ID: 92680804010 Collected: 08/03/23 14:05 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	1.7	mg/L	1.0	0.50	1		08/08/23 18:14	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-23R Lab ID: 92680804011 Collected: 08/03/23 10:00 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	2.9	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:51	7440-09-7	
Sodium	97.6	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:51	7440-23-5	
Iron	0.61	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:07	7439-89-6	
Manganese	0.081	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:07	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:07	7440-66-6	
Calcium	65.2	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:07	7440-70-2	
Magnesium	34.9	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:07	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:02	7440-36-0	
Arsenic	0.0049J	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:02	7440-38-2	
Barium	0.042	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:02	7440-47-3	
Cobalt	0.00047J	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:02	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	536	mg/L	25.0	25.0	1		08/08/23 16:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	479	mg/L	5.0	5.0	1		08/10/23 18:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 18:57		
Alkalinity, Total as CaCO3	479	mg/L	5.0	5.0	1		08/10/23 18:57		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.8	mg/L	1.0	0.60	1		08/08/23 18:29	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 18:29	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-23R Lab ID: 92680804011 Collected: 08/03/23 10:00 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	69.2	mg/L	1.0	0.50	1		08/08/23 18:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-24R Lab ID: 92680804012 Collected: 08/03/23 11:40 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.22	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:11	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:11	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:11	7440-66-6	
Calcium	31.7	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:11	7440-70-2	
Magnesium	17.6	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:11	7439-95-4	
Potassium	0.82	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 01:56	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 01:56	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:08	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:08	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:34	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	146	mg/L	25.0	25.0	1		08/08/23 16:27		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	5.0	1		08/10/23 16:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 16:54		
Alkalinity, Total as CaCO3	159	mg/L	5.0	5.0	1		08/10/23 16:54		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		08/08/23 18:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 18:44	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-24R Lab ID: 92680804012 Collected: 08/03/23 11:40 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	3.0	mg/L	1.0	0.50	1		08/08/23 18:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-25R		Lab ID: 92680804013		Collected: 08/03/23 10:18		Received: 08/07/23 15:42		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Potassium	0.77	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:01	7440-09-7		
Sodium	1.3	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:01	7440-23-5		
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:16	7439-89-6		
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:16	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:16	7440-66-6		
Calcium	34.3	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:16	7440-70-2		
Magnesium	19.0	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:16	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:14	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:14	7440-38-2		
Barium	0.014	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:14	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:14	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:14	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:14	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:14	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:14	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:14	7440-50-8		
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:14	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:14	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:14	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:14	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:14	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:14	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:37	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	170	mg/L	25.0	25.0	1		08/08/23 16:27			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	177	mg/L	5.0	5.0	1		08/10/23 17:04			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 17:04			
Alkalinity, Total as CaCO3	177	mg/L	5.0	5.0	1		08/10/23 17:04			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.3	mg/L	1.0	0.60	1		08/08/23 19:32	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 19:32	16984-48-8	M1	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-25R Lab ID: 92680804013 Collected: 08/03/23 10:18 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.2	mg/L	1.0	0.50	1		08/08/23 19:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FD-07 Lab ID: 92680804014 Collected: 08/03/23 00:00 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.78	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:06	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:06	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:21	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:21	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:21	7440-66-6	
Calcium	34.7	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:21	7440-70-2	
Magnesium	19.0	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:21	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:20	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:20	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:20	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:39	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	166	mg/L	25.0	25.0	1		08/08/23 16:27		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	175	mg/L	5.0	5.0	1		08/10/23 17:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 17:15		
Alkalinity, Total as CaCO3	175	mg/L	5.0	5.0	1		08/10/23 17:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		08/08/23 21:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 21:02	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FD-07 Lab ID: 92680804014 Collected: 08/03/23 00:00 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.1	mg/L	1.0	0.50	1		08/08/23 21:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FB-10 Lab ID: 92680804015 Collected: 08/03/23 16:00 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	ND	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:11	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:11	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:26	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:26	7439-96-5	
Zinc	0.0093J	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:26	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:26	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:26	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:26	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:26	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:26	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:42	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/08/23 16:27		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 17:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 17:26		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/10/23 17:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/08/23 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 21:18	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FB-10 Lab ID: 92680804015 Collected: 08/03/23 16:00 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/08/23 21:18	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-16R **Lab ID: 92680804016** Collected: 08/04/23 09:59 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Potassium	2.6	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:16	7440-09-7	
Sodium	6.3	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:16	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:32	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:32	7439-96-5	
Zinc	0.036	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:32	7440-66-6	
Calcium	69.8	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:32	7440-70-2	
Magnesium	30.6	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:32	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.012	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:32	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:32	7439-92-1	
Nickel	0.0091	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:32	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:45	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	306	mg/L	25.0	25.0	1		08/08/23 16:29		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
 Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	329	mg/L	5.0	5.0	1		08/11/23 08:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/11/23 08:53		
Alkalinity, Total as CaCO3	329	mg/L	5.0	5.0	1		08/11/23 08:53		

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	1.1	mg/L	1.0	0.60	1		08/08/23 21:33	16887-00-6	
Fluoride	0.079J	mg/L	0.10	0.050	1		08/08/23 21:33	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-16R Lab ID: 92680804016 Collected: 08/04/23 09:59 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	6.1	mg/L	1.0	0.50	1		08/08/23 21:33	14808-79-8	

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**ANALYTICAL RESULTS**

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-18R **Lab ID: 92680804017** Collected: 08/04/23 11:10 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.77	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:20	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:20	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:37	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:37	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:37	7440-66-6	
Calcium	31.8	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:37	7440-70-2	
Magnesium	17.4	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:37	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:38	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:38	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:38	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	148	mg/L	25.0	25.0	1		08/08/23 16:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	5.0	1		08/10/23 17:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 17:38		
Alkalinity, Total as CaCO3	150	mg/L	5.0	5.0	1		08/10/23 17:38		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		08/08/23 21:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 21:47	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-18R **Lab ID: 92680804017** Collected: 08/04/23 11:10 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	2.2	mg/L	1.0	0.50	1		08/08/23 21:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-19R Lab ID: 92680804018 Collected: 08/04/23 11:38 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:42	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:42	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:42	7440-66-6	
Calcium	31.1	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:42	7440-70-2	
Magnesium	16.9	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:42	7439-95-4	
Potassium	0.72	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:35	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:35	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:44	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:44	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:44	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:44	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:44	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:44	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:44	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:44	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	163	mg/L	25.0	25.0	1		08/08/23 16:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	155	mg/L	5.0	5.0	1		08/10/23 17:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 17:48		
Alkalinity, Total as CaCO3	155	mg/L	5.0	5.0	1		08/10/23 17:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		08/08/23 22:02	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 22:02	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-19R Lab ID: 92680804018 Collected: 08/04/23 11:38 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	3.6	mg/L	1.0	0.50	1		08/08/23 22:02	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-21R Lab ID: 92680804019 Collected: 08/04/23 10:08 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	1.4	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:40	7440-09-7	
Sodium	4.3	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:40	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 10:56	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 10:56	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 10:56	7440-66-6	
Calcium	68.8	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 10:56	7440-70-2	
Magnesium	34.5	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 10:56	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0030	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:50	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:50	7440-43-9	
Chromium	0.0067	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:50	7440-48-4	
Copper	0.0016J	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:50	7439-92-1	
Nickel	0.00098J	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:50	7440-22-4	
Thallium	0.00022J	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:50	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:52	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	298	mg/L	25.0	25.0	1		08/08/23 16:31		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	310	mg/L	5.0	5.0	1		08/11/23 09:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/11/23 09:03		
Alkalinity, Total as CaCO3	310	mg/L	5.0	5.0	1		08/11/23 09:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		08/08/23 22:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 22:17	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-GWC-21R Lab ID: 92680804019 Collected: 08/04/23 10:08 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	5.8	mg/L	1.0	0.50	1		08/08/23 22:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FB-11 Lab ID: 92680804020 Collected: 08/04/23 11:55 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/08/23 12:27	08/10/23 11:01	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/08/23 12:27	08/10/23 11:01	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/08/23 12:27	08/10/23 11:01	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/08/23 12:27	08/10/23 11:01	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/08/23 12:27	08/10/23 11:01	7439-95-4	
Potassium	0.18J	mg/L	0.50	0.15	1	08/08/23 12:27	08/12/23 02:45	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/08/23 12:27	08/12/23 02:45	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 19:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 19:56	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 19:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 19:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 19:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 19:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 19:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 19:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 19:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 19:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 19:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 19:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 19:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 19:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 19:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/15/23 10:30	08/15/23 14:55	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/08/23 16:31		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 18:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/10/23 18:15		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/10/23 18:15		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/08/23 22:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/08/23 22:32	16984-48-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Sample: BOW-LF3-4-FB-11 Lab ID: 92680804020 Collected: 08/04/23 11:55 Received: 08/07/23 15:42 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		08/08/23 22:32	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	792060	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

METHOD BLANK:	4104242	Matrix:	Water
Associated Lab Samples:	92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/10/23 09:00	
Iron	mg/L	ND	0.040	0.025	08/10/23 09:00	
Magnesium	mg/L	ND	0.050	0.012	08/10/23 09:00	
Manganese	mg/L	ND	0.040	0.011	08/10/23 09:00	
Potassium	mg/L	ND	0.50	0.15	08/12/23 00:53	
Sodium	mg/L	ND	1.0	0.58	08/12/23 00:53	
Zinc	mg/L	ND	0.020	0.0085	08/10/23 09:00	

LABORATORY CONTROL SAMPLE: 4104243						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0J	100	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Manganese	mg/L	1	1.0	105	80-120	
Potassium	mg/L	1	1.1	108	80-120	
Sodium	mg/L	1	1.0	102	80-120	
Zinc	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104244											4104245		
Parameter	Units	92679955033 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Calcium	mg/L	ND	1	1	1.0	0.99J	90	88	75-125		20		
Iron	mg/L	ND	1	1	0.96	0.98	96	98	75-125	2	20		
Magnesium	mg/L	0.061	1	1	1.0	1.0	97	97	75-125	0	20		
Manganese	mg/L	ND	1	1	1.0	1.0	103	104	75-125	1	20		
Potassium	mg/L	ND	1	1	1.0	1.1	100	109	75-125	8	20		
Sodium	mg/L	ND	1	1	1.0	1.0J	100	99	75-125		20		
Zinc	mg/L	ND	1	1	1.0	1.0	104	104	75-125	0	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch: 792418 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

METHOD BLANK: 4106293 Matrix: Water
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/12/23 04:46	
Iron	mg/L	ND	0.040	0.025	08/12/23 04:46	
Magnesium	mg/L	ND	0.050	0.012	08/12/23 04:46	
Manganese	mg/L	ND	0.040	0.011	08/12/23 04:46	
Potassium	mg/L	ND	0.50	0.15	08/12/23 04:46	
Sodium	mg/L	ND	1.0	0.58	08/12/23 04:46	
Zinc	mg/L	ND	0.020	0.0085	08/12/23 04:46	

LABORATORY CONTROL SAMPLE: 4106294

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.98J	98	80-120	
Iron	mg/L	1	1.0	103	80-120	
Magnesium	mg/L	1	1.0	105	80-120	
Manganese	mg/L	1	1.0	105	80-120	
Potassium	mg/L	1	1.1	111	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Zinc	mg/L	1	1.1	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4106295 4106296

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92680804001 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	40.7	1	1	41.4	41.0	71	33	75-125	1	20 M1
Iron	mg/L	0.13	1	1	1.2	1.1	111	102	75-125	8	20
Magnesium	mg/L	22.1	1	1	22.9	22.8	81	67	75-125	1	20 M1
Manganese	mg/L	0.020J	1	1	1.1	1.1	106	105	75-125	1	20
Potassium	mg/L	1.3	1	1	2.3	2.3	108	102	75-125	3	20
Sodium	mg/L	1.8	1	1	2.8	2.8	100	97	75-125	1	20
Zinc	mg/L	ND	1	1	1.1	1.1	110	109	75-125	1	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	791900	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92680804001, 92680804002, 92680804003, 92680804004, 92680804005		

METHOD BLANK: 4103555 Matrix: Water
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/15/23 18:01	
Arsenic	mg/L	ND	0.0050	0.0037	08/15/23 18:01	
Barium	mg/L	ND	0.0050	0.00067	08/15/23 18:01	
Beryllium	mg/L	ND	0.00050	0.000054	08/15/23 18:01	
Boron	mg/L	ND	0.040	0.0086	08/15/23 18:01	
Cadmium	mg/L	ND	0.00050	0.00011	08/15/23 18:01	
Chromium	mg/L	ND	0.0050	0.0011	08/15/23 18:01	
Cobalt	mg/L	ND	0.0050	0.00039	08/15/23 18:01	
Copper	mg/L	ND	0.0050	0.0010	08/15/23 18:01	
Lead	mg/L	ND	0.0010	0.00012	08/15/23 18:01	
Nickel	mg/L	ND	0.0050	0.00071	08/15/23 18:01	
Selenium	mg/L	ND	0.0050	0.0014	08/15/23 18:01	
Silver	mg/L	ND	0.0050	0.00044	08/15/23 18:01	
Thallium	mg/L	ND	0.0010	0.00018	08/15/23 18:01	
Vanadium	mg/L	ND	0.010	0.0025	08/15/23 18:01	

LABORATORY CONTROL SAMPLE: 4103556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.95	95	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Silver	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Parameter	Units	4103557		4103558		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92679955022 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	0.0028J	0.1	0.1	0.11	0.11	104	106	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		
Barium	mg/L	0.011	0.1	0.1	0.11	0.11	97	99	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	1	20		
Boron	mg/L	ND	1	1	0.93	0.93	92	92	75-125	0	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	3	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	0	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch: 793217 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020

METHOD BLANK: 4110532 Matrix: Water

Associated Lab Samples: 92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020

Table with 7 columns: Parameter, Units, Blank Result, Reporting Limit, MDL, Analyzed, Qualifiers. Lists elements like Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium with their respective values.

LABORATORY CONTROL SAMPLE: 4110533

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Lists elements like Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Chromium, Cobalt, Copper, Lead, Nickel, Selenium, Silver, Thallium, Vanadium with their respective values.

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Parameter	Units	4110534		4110535		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		92680804006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	109	111	75-125	2	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Barium	mg/L	0.033	0.1	0.1	0.13	0.14	97	106	75-125	7	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Boron	mg/L	0.018J	1	1	1.0	1.0	100	102	75-125	2	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	103	108	75-125	4	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.11	103	108	75-125	5	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.11	102	105	75-125	3	20		
Lead	mg/L	ND	0.1	0.1	0.098	0.10	98	102	75-125	4	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.11	101	105	75-125	4	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.11	103	106	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	4	20		
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	105	109	75-125	3	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	791930	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

METHOD BLANK: 4103654 Matrix: Water
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/08/23 15:31	

LABORATORY CONTROL SAMPLE: 4103655

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4103656 4103657

Parameter	Units	4103656		4103657		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0021	0.0020	82	82	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	793520	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

METHOD BLANK:	4112011	Matrix:	Water
Associated Lab Samples:	92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/15/23 14:00	

LABORATORY CONTROL SAMPLE:	4112012					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4112013			4112014								
Parameter	Units	92680804007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0023	82	87	75-125	5	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch: 791478 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

METHOD BLANK: 4101769 Matrix: Water
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004, 92680804005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/04/23 17:11	

LABORATORY CONTROL SAMPLE: 4101770

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	438	110	80-120	

SAMPLE DUPLICATE: 4101771

Parameter	Units	92680829003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	85.0	79.0	7	10	

SAMPLE DUPLICATE: 4101772

Parameter	Units	92680804003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	32.0	ND		10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	792102	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

METHOD BLANK:	4104415	Matrix:	Water
Associated Lab Samples:	92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/08/23 16:22	

LABORATORY CONTROL SAMPLE:	4104416					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	444	111	80-120	

SAMPLE DUPLICATE:	4104417					
Parameter	Units	92680804006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	188	197	5	10	

SAMPLE DUPLICATE:	4104418					
Parameter	Units	92681230001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1150	1140	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch: 792488 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004

METHOD BLANK: 4106824 Matrix: Water
 Associated Lab Samples: 92680804001, 92680804002, 92680804003, 92680804004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/09/23 19:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/09/23 19:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/09/23 19:09	

LABORATORY CONTROL SAMPLE: 4106825

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.0	102	80-120	

LABORATORY CONTROL SAMPLE: 4106826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4106827 4106828

Parameter	Units	92680804003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Alkalinity, Total as CaCO3	mg/L	ND	50	56.2	50	55.5	104	103	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4106829 4106830

Parameter	Units	92680804004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result						
Alkalinity, Total as CaCO3	mg/L	193	50	253	50	262	122	140	80-120	4	25 M1	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch: 792719

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92680804005, 92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020

METHOD BLANK: 4107935

Matrix: Water

Associated Lab Samples: 92680804005, 92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012, 92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/10/23 14:58	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/10/23 14:58	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/10/23 14:58	

LABORATORY CONTROL SAMPLE: 4107936

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.7	105	80-120	

LABORATORY CONTROL SAMPLE: 4107937

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	47.9	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4107938 4107939

Parameter	Units	92680804020 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Alkalinity, Total as CaCO3	mg/L	ND	50	50	53.1	54.6	102	105	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4107940 4107941

Parameter	Units	92681275001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Alkalinity, Total as CaCO3	mg/L	29.0	50	50	83.1	83.7	108	109	80-120	1	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch: 791638 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92680804001, 92680804002, 92680804003

METHOD BLANK: 4102698 Matrix: Water
 Associated Lab Samples: 92680804001, 92680804002, 92680804003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/05/23 19:53	
Fluoride	mg/L	ND	0.10	0.050	08/05/23 19:53	
Sulfate	mg/L	ND	1.0	0.50	08/05/23 19:53	

LABORATORY CONTROL SAMPLE: 4102699

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.3	97	90-110	
Fluoride	mg/L	2.5	2.3	93	90-110	
Sulfate	mg/L	50	48.3	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102700 4102701

Parameter	Units	92679955017		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual	
Chloride	mg/L	1.3	50	50	52.6	53.2	103	104	90-110	1	10		
Fluoride	mg/L	0.050J	2.5	2.5	2.5	2.5	96	98	90-110	1	10		
Sulfate	mg/L	2.1	50	50	53.5	54.0	103	104	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102702 4102703

Parameter	Units	92679955027		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual	
Chloride	mg/L	1.5	50	50	53.3	53.9	104	105	90-110	1	10		
Fluoride	mg/L	0.056J	2.5	2.5	2.5	2.5	97	98	90-110	1	10		
Sulfate	mg/L	0.81J	50	50	52.5	53.0	103	104	90-110	1	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	791657	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92680804004, 92680804005

METHOD BLANK: 4102741 Matrix: Water

Associated Lab Samples: 92680804004, 92680804005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/05/23 15:25	
Fluoride	mg/L	ND	0.10	0.050	08/05/23 15:25	
Sulfate	mg/L	ND	1.0	0.50	08/05/23 15:25	

LABORATORY CONTROL SAMPLE: 4102742

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.9	98	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	48.7	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102743 4102744

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92680804004	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	2.5	50	50	54.7	55.1	104	105	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.8	2.9	112	114	90-110	2	10	M1	
Sulfate	mg/L	7.9	50	50	59.8	60.2	104	105	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4102745 4102746

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92680868009	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	2.1	50	50	54.7	55.9	105	108	90-110	2	10		
Fluoride	mg/L	0.11	2.5	2.5	3.0	3.1	115	119	90-110	3	10	M1	
Sulfate	mg/L	6.0	50	50	58.1	59.2	104	106	90-110	2	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	792018	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012

METHOD BLANK: 4104070 Matrix: Water
 Associated Lab Samples: 92680804006, 92680804007, 92680804008, 92680804009, 92680804010, 92680804011, 92680804012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/08/23 11:14	
Fluoride	mg/L	ND	0.10	0.050	08/08/23 11:14	
Sulfate	mg/L	ND	1.0	0.50	08/08/23 11:14	

LABORATORY CONTROL SAMPLE: 4104071

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.3	95	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	47.3	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104072 4104073

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92681173001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.0	50	50	51.6	53.0	101	104	90-110	3	10		
Fluoride	mg/L	0.41	2.5	2.5	3.2	3.3	112	117	90-110	4	10	M1	
Sulfate	mg/L	29.0	50	50	78.6	80.1	99	102	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104074 4104075

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92681173010 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.4	50	50	53.5	54.8	104	107	90-110	2	10		
Fluoride	mg/L	0.34	2.5	2.5	3.2	3.3	116	119	90-110	2	10	M1	
Sulfate	mg/L	34.7	50	50	84.9	85.5	100	102	90-110	1	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

QC Batch:	792019	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

METHOD BLANK:	4104076	Matrix:	Water
Associated Lab Samples:	92680804013, 92680804014, 92680804015, 92680804016, 92680804017, 92680804018, 92680804019, 92680804020		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/08/23 19:00	
Fluoride	mg/L	ND	0.10	0.050	08/08/23 19:00	
Sulfate	mg/L	ND	1.0	0.50	08/08/23 19:00	

LABORATORY CONTROL SAMPLE: 4104077						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.1	98	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	49.0	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4104078												4104079	
Parameter	Units	92680804013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	2.3	50	50	54.1	55.2	104	106	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.9	2.9	115	117	90-110	2	10	M1	
Sulfate	mg/L	2.2	50	50	53.7	54.5	103	105	90-110	2	10		

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QUALIFIERS

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92680804001	BOW-GWA-36A	EPA 3010A	792418	EPA 6010D	793158
92680804002	BOW-GWA-37	EPA 3010A	792418	EPA 6010D	793158
92680804003	BOW-GWA-38	EPA 3010A	792418	EPA 6010D	793158
92680804004	BOW-LF3-4-FD-06	EPA 3010A	792418	EPA 6010D	793158
92680804005	BOW-LF3-4-FB-09	EPA 3010A	792418	EPA 6010D	793158
92680804006	BOW-GWA-36RA	EPA 3010A	792060	EPA 6010D	792205
92680804007	BOW-GWC-17R	EPA 3010A	792060	EPA 6010D	792205
92680804008	BOW-GWC-18	EPA 3010A	792060	EPA 6010D	792205
92680804009	BOW-GWC-20R	EPA 3010A	792060	EPA 6010D	792205
92680804010	BOW-GWC-22R	EPA 3010A	792060	EPA 6010D	792205
92680804011	BOW-GWC-23R	EPA 3010A	792060	EPA 6010D	792205
92680804012	BOW-GWC-24R	EPA 3010A	792060	EPA 6010D	792205
92680804013	BOW-GWC-25R	EPA 3010A	792060	EPA 6010D	792205
92680804014	BOW-LF3-4-FD-07	EPA 3010A	792060	EPA 6010D	792205
92680804015	BOW-LF3-4-FB-10	EPA 3010A	792060	EPA 6010D	792205
92680804016	BOW-GWC-16R	EPA 3010A	792060	EPA 6010D	792205
92680804017	BOW-GWC-18R	EPA 3010A	792060	EPA 6010D	792205
92680804018	BOW-GWC-19R	EPA 3010A	792060	EPA 6010D	792205
92680804019	BOW-GWC-21R	EPA 3010A	792060	EPA 6010D	792205
92680804020	BOW-LF3-4-FB-11	EPA 3010A	792060	EPA 6010D	792205
92680804001	BOW-GWA-36A	EPA 3005A	791900	EPA 6020B	792028
92680804002	BOW-GWA-37	EPA 3005A	791900	EPA 6020B	792028
92680804003	BOW-GWA-38	EPA 3005A	791900	EPA 6020B	792028
92680804004	BOW-LF3-4-FD-06	EPA 3005A	791900	EPA 6020B	792028
92680804005	BOW-LF3-4-FB-09	EPA 3005A	791900	EPA 6020B	792028
92680804006	BOW-GWA-36RA	EPA 3005A	793217	EPA 6020B	793278
92680804007	BOW-GWC-17R	EPA 3005A	793217	EPA 6020B	793278
92680804008	BOW-GWC-18	EPA 3005A	793217	EPA 6020B	793278
92680804009	BOW-GWC-20R	EPA 3005A	793217	EPA 6020B	793278
92680804010	BOW-GWC-22R	EPA 3005A	793217	EPA 6020B	793278
92680804011	BOW-GWC-23R	EPA 3005A	793217	EPA 6020B	793278
92680804012	BOW-GWC-24R	EPA 3005A	793217	EPA 6020B	793278
92680804013	BOW-GWC-25R	EPA 3005A	793217	EPA 6020B	793278
92680804014	BOW-LF3-4-FD-07	EPA 3005A	793217	EPA 6020B	793278
92680804015	BOW-LF3-4-FB-10	EPA 3005A	793217	EPA 6020B	793278
92680804016	BOW-GWC-16R	EPA 3005A	793217	EPA 6020B	793278
92680804017	BOW-GWC-18R	EPA 3005A	793217	EPA 6020B	793278
92680804018	BOW-GWC-19R	EPA 3005A	793217	EPA 6020B	793278
92680804019	BOW-GWC-21R	EPA 3005A	793217	EPA 6020B	793278
92680804020	BOW-LF3-4-FB-11	EPA 3005A	793217	EPA 6020B	793278
92680804001	BOW-GWA-36A	EPA 7470A	791930	EPA 7470A	792009
92680804002	BOW-GWA-37	EPA 7470A	791930	EPA 7470A	792009
92680804003	BOW-GWA-38	EPA 7470A	791930	EPA 7470A	792009
92680804004	BOW-LF3-4-FD-06	EPA 7470A	791930	EPA 7470A	792009
92680804005	BOW-LF3-4-FB-09	EPA 7470A	791930	EPA 7470A	792009
92680804006	BOW-GWA-36RA	EPA 7470A	793520	EPA 7470A	793623

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92680804007	BOW-GWC-17R	EPA 7470A	793520	EPA 7470A	793623
92680804008	BOW-GWC-18	EPA 7470A	793520	EPA 7470A	793623
92680804009	BOW-GWC-20R	EPA 7470A	793520	EPA 7470A	793623
92680804010	BOW-GWC-22R	EPA 7470A	793520	EPA 7470A	793623
92680804011	BOW-GWC-23R	EPA 7470A	793520	EPA 7470A	793623
92680804012	BOW-GWC-24R	EPA 7470A	793520	EPA 7470A	793623
92680804013	BOW-GWC-25R	EPA 7470A	793520	EPA 7470A	793623
92680804014	BOW-LF3-4-FD-07	EPA 7470A	793520	EPA 7470A	793623
92680804015	BOW-LF3-4-FB-10	EPA 7470A	793520	EPA 7470A	793623
92680804016	BOW-GWC-16R	EPA 7470A	793520	EPA 7470A	793623
92680804017	BOW-GWC-18R	EPA 7470A	793520	EPA 7470A	793623
92680804018	BOW-GWC-19R	EPA 7470A	793520	EPA 7470A	793623
92680804019	BOW-GWC-21R	EPA 7470A	793520	EPA 7470A	793623
92680804020	BOW-LF3-4-FB-11	EPA 7470A	793520	EPA 7470A	793623
92680804001	BOW-GWA-36A	SM 2540C-2015	791478		
92680804002	BOW-GWA-37	SM 2540C-2015	791478		
92680804003	BOW-GWA-38	SM 2540C-2015	791478		
92680804004	BOW-LF3-4-FD-06	SM 2540C-2015	791478		
92680804005	BOW-LF3-4-FB-09	SM 2540C-2015	791478		
92680804006	BOW-GWA-36RA	SM 2540C-2015	792102		
92680804007	BOW-GWC-17R	SM 2540C-2015	792102		
92680804008	BOW-GWC-18	SM 2540C-2015	792102		
92680804009	BOW-GWC-20R	SM 2540C-2015	792102		
92680804010	BOW-GWC-22R	SM 2540C-2015	792102		
92680804011	BOW-GWC-23R	SM 2540C-2015	792102		
92680804012	BOW-GWC-24R	SM 2540C-2015	792102		
92680804013	BOW-GWC-25R	SM 2540C-2015	792102		
92680804014	BOW-LF3-4-FD-07	SM 2540C-2015	792102		
92680804015	BOW-LF3-4-FB-10	SM 2540C-2015	792102		
92680804016	BOW-GWC-16R	SM 2540C-2015	792102		
92680804017	BOW-GWC-18R	SM 2540C-2015	792102		
92680804018	BOW-GWC-19R	SM 2540C-2015	792102		
92680804019	BOW-GWC-21R	SM 2540C-2015	792102		
92680804020	BOW-LF3-4-FB-11	SM 2540C-2015	792102		
92680804001	BOW-GWA-36A	SM 2320B-2011	792488		
92680804002	BOW-GWA-37	SM 2320B-2011	792488		
92680804003	BOW-GWA-38	SM 2320B-2011	792488		
92680804004	BOW-LF3-4-FD-06	SM 2320B-2011	792488		
92680804005	BOW-LF3-4-FB-09	SM 2320B-2011	792719		
92680804006	BOW-GWA-36RA	SM 2320B-2011	792719		
92680804007	BOW-GWC-17R	SM 2320B-2011	792719		
92680804008	BOW-GWC-18	SM 2320B-2011	792719		
92680804009	BOW-GWC-20R	SM 2320B-2011	792719		
92680804010	BOW-GWC-22R	SM 2320B-2011	792719		
92680804011	BOW-GWC-23R	SM 2320B-2011	792719		
92680804012	BOW-GWC-24R	SM 2320B-2011	792719		
92680804013	BOW-GWC-25R	SM 2320B-2011	792719		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92680804

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92680804014	BOW-LF3-4-FD-07	SM 2320B-2011	792719		
92680804015	BOW-LF3-4-FB-10	SM 2320B-2011	792719		
92680804016	BOW-GWC-16R	SM 2320B-2011	792719		
92680804017	BOW-GWC-18R	SM 2320B-2011	792719		
92680804018	BOW-GWC-19R	SM 2320B-2011	792719		
92680804019	BOW-GWC-21R	SM 2320B-2011	792719		
92680804020	BOW-LF3-4-FB-11	SM 2320B-2011	792719		
92680804001	BOW-GWA-36A	EPA 300.0 Rev 2.1 1993	791638		
92680804002	BOW-GWA-37	EPA 300.0 Rev 2.1 1993	791638		
92680804003	BOW-GWA-38	EPA 300.0 Rev 2.1 1993	791638		
92680804004	BOW-LF3-4-FD-06	EPA 300.0 Rev 2.1 1993	791657		
92680804005	BOW-LF3-4-FB-09	EPA 300.0 Rev 2.1 1993	791657		
92680804006	BOW-GWA-36RA	EPA 300.0 Rev 2.1 1993	792018		
92680804007	BOW-GWC-17R	EPA 300.0 Rev 2.1 1993	792018		
92680804008	BOW-GWC-18	EPA 300.0 Rev 2.1 1993	792018		
92680804009	BOW-GWC-20R	EPA 300.0 Rev 2.1 1993	792018		
92680804010	BOW-GWC-22R	EPA 300.0 Rev 2.1 1993	792018		
92680804011	BOW-GWC-23R	EPA 300.0 Rev 2.1 1993	792018		
92680804012	BOW-GWC-24R	EPA 300.0 Rev 2.1 1993	792018		
92680804013	BOW-GWC-25R	EPA 300.0 Rev 2.1 1993	792019		
92680804014	BOW-LF3-4-FD-07	EPA 300.0 Rev 2.1 1993	792019		
92680804015	BOW-LF3-4-FB-10	EPA 300.0 Rev 2.1 1993	792019		
92680804016	BOW-GWC-16R	EPA 300.0 Rev 2.1 1993	792019		
92680804017	BOW-GWC-18R	EPA 300.0 Rev 2.1 1993	792019		
92680804018	BOW-GWC-19R	EPA 300.0 Rev 2.1 1993	792019		
92680804019	BOW-GWC-21R	EPA 300.0 Rev 2.1 1993	792019		
92680804020	BOW-LF3-4-FB-11	EPA 300.0 Rev 2.1 1993	792019		

REPORT OF LABORATORY ANALYSIS

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Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt:

Client Name:

GA Power

Project #:



Courier: Fed Ex UPS USPS Client Commercial Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8/3/23 CFB

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In own ID: 214 Type of Ice: Wet Dry None

Cooler Temp: 4.3 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 5°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.3

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check mass)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Chain of Custody Present?	Samples Arrived within Hold Time?	Short Hold Time Analysis (<72 hr.)?	Rush Turn Around Time Requested?	Sufficient volume?	Correct Containers Used?	-Pace Containers Used?	Containers Intact?	Dissolved Analyses: Samples Field Filtered?	Sample Labels Match CDC?	Headspace in VOA Vials (>5-6mm)?	Trip Blank Present?	Trip Blank Custody Seals Present?	Comments/Discrepancy:
1.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
2.														
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TUC, Cr and Grease, DRU/8015 (water) DOC, L-Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Sample	BP1U-125 mL Plastic Unpreserved (N/A) (C-1)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP5U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-1)	BP3N-250 mL Plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (pH > 12)	BP0B-125 mL Plastic NaOH (pH > 12) (C-1)	W02U-1 liter mouthed Glass Jar Unpreserved	AG3U-1 liter Amber Unpreserved (N/A) (C-1)	AG3N-1 liter Amber HD (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-1)	AG1B-1 liter Amber H2SO4 (pH < 2)	AG1S-250 mL Amber H2SO4 (pH < 2)	DG5A-60 mL Amber HNO3 (N/A) (C-1)	DG5N-40 mL VOA HCl (N/A)	VG5T-40 mL VOA N2S2O3 (N/A)	VG5U-60 mL VOA Unpreserved (N/A)	DG3N-40 mL VOA N3PO4 (N/A)	K07U-50 mL Plastic Unpreserved (N/A)	V7GH (9 vials per kit) VPH Gas kit (N/A)	SP5T-125 mL Sorbic Plastic (N/A - lab)	SP2T-250 mL Sorbic Plastic (N/A - lab)	BP3N-250 mL Plastic (NH2)2SO4 (pH 3-8.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-1)	V02N-70 mL Scintillation vials (N/A)	DG5U-43 mL Amber Unpreserved vials (N/A)	
1	2	1																										
2	2	1																										
3	2	1																										
4	2	1																										
5	2	1																										
6	2	1																										
7	2	1																										
8	2	1																										
9	2	1																										
10	2	1																										
11	2	1																										
12	2	1																										

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certificate Officer (i.e. Out of File, incorrect preservative, out of temp, incorrect containers).

Effective Date: 11/14/2022

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #



pp606, VOA, Coliform, TOC, Oil and Grease, DRO/DO15 (water) DUL, LHM

bottom half of box is to list number of bottles

Check all unpreserved Nitrates for chlorine

BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP5U-350 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3N-250 mL plastic nitric acid (pH < 2)	BP4Z-125 mL Plastic 2M Acetate & NaOH (S)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGLU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9U-40 mL Amber NH4Cl (N/A) (C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-10 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9N-40 mL VOA NaOH (N/A)	NP7U-50 mL Plastic Unpreserved (N/A)	V/GK 13 vials per BTL-VPM Gas kit (N/A)	SP5P-125 mL Sterile Plastic (N/A) - 14B1	SP2P-250 mL Sterile Plastic (N/A) - 14B1	BP3P-250 mL Plastic (N/A) 250.4 (S, S, S, S)	AG8B-100 mL Amber Unpreserved (N/A) (C-)	VSOU-20 mL Scintillation vials (N/A)	DD9U-40 mL Amber Unpreserved vials (N/A)		
2	1																											
2	1																											
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2	1																											

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DMH Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/BOIS (water), DOC, LUMg

Project #



Bottom half of box is to list number of bottles

Check all unpreserved Nitrates for chlorine

Table with columns for Sample ID, Type of Preservative, and a grid for recording verification (1-12 rows, 1-17 columns).

pH Adjustment Log for Preserved Samples

Table with 7 columns: Sample ID, Type of Preservative, pH upon receipt, Date preservation adjusted, Time preservation adjusted, Amount of Preservative added, Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

PRC

CHAIN-OF-CUSTODY / Analytical Request Document

The Client of Quality is a LEGAL DOCUMENT. All relevant facts must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Fees Terms and Conditions found at <https://www.prc.com/submit-sample-terms-conditions.pdf>

Section B
 Requested Project Information:
 Project Name: Environ Le-Gard 504
 Client: Environ Le-Gard 504
 Project #:

Section C
 Project Information:
 Collector: George Power
 Company Name: George Power
 Address: 241 Ralph Mach Blvd NE Atlanta, GA 30308
 Project Manager: George Power
 Phone Number: 404-823-1000

SAMPLE ID
 ONE Container per bottle
 (1-2, 8/1, 1)
 Sample to be used for:

DATE	TIME	TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis	Request Chlorine (M)
				Unpreserved	AMV - Sisa Manual	
				HOSOM	Cl, P, SO4	
				PH	TOC	
				NO2/NO3	Specific	
				Other		

0268081M

ROW	SAMPLE ID	DATE	TIME	TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis	Request Chlorine (M)
BOW-GWV-20A	WIS C	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-20B	WIS G	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-18	WIS D	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-19	WIS E	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-17	WIS F	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-21B	WIS G	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-21A	WIS H	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-19B	WIS I	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-19A	WIS J	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-18B	WIS K	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-18A	WIS L	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-17B	WIS M	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-17A	WIS N	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-16B	WIS O	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-16A	WIS P	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-15B	WIS Q	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A
BOW-GWV-15A	WIS R	8/1/23	1040	4.3	1	Unpreserved	AMV - Sisa Manual	0.5A

Submitted By: William Warner
 Date: 8/1/23
 Received By: George Power
 Date: 8/1/23
 Project Name: Environ Le-Gard 504
 Address: 241 Ralph Mach Blvd NE Atlanta, GA 30308
 Project Manager: George Power
 Phone Number: 404-823-1000

Face

Submitting a sample in this chain of custody constitutes planned, organized and supervised and encompasses the Face, Terms and Conditions found at <http://www.pace.com>

CHAIN-OF-CUSTODY / Analytical Request Document

Section A: Client Information: **George Power**, 241 Robt McElm Blvd, NW, Atlanta, GA 30308
 Section B: Requested Project Information: **Normal Jurisdiction, General Services**
 Section C: Sampling Information: **Normal Jurisdiction, General Services**
 Section D: Project Information: **Normal Jurisdiction, General Services**
 Section E: Sampling Location: **Normal Jurisdiction, General Services**

Client Name: **George Power** | Client Address: **241 Robt McElm Blvd, NW, Atlanta, GA 30308**
 Project Name: **Normal Jurisdiction, General Services**
 Sampling Location: **Normal Jurisdiction, General Services**
 Date of Collection: **8/3/23**

SAMPLE ID
 One Character per box
 (A-Z, 0-9, /, -)
 Length of 10 characters

Quantity: **1000**
 Sampling Method: **Hand**
 Sampling Time: **10:00 AM**
 Sampling Location: **Normal Jurisdiction, General Services**

LABOR CODE: **448 5883 0301 1011**
 SAMPLE TYPE: **10-DRAW 0-COMP.**

LABOR CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	NO. OF CONTAINERS	Preparation								Analysis Test:	IRV - State Metals	C. F. SOL	TCL	Asbestos	Residual Chilling Time
					Emphasized	RESCM	FIELD	NO	NOO	NO2200	Mechanical	Other						

LABOR CODE	DATE	TIME	SAMPLE TEMP AT COLLECTION	NO. OF CONTAINERS	Emphasized	RESCM	FIELD	NO	NOO	NO2200	Mechanical	Other	Analysis Test:	IRV - State Metals	C. F. SOL	TCL	Asbestos	Residual Chilling Time
448 5883 0301 1011	8/3/23	10:00	43	1									37M					92
448 5883 0301 1011	8/3/23	10:00	43	1									37M					92
448 5883 0301 1011	8/3/23	10:00	43	1									37M					92

LABOR CODE: **448 5883 0301 1011**

Client Name: **George Power**
 Client Address: **241 Robt McElm Blvd, NW, Atlanta, GA 30308**

Project Name: **Normal Jurisdiction, General Services**

Sampling Location: **Normal Jurisdiction, General Services**

Date of Collection: **8/3/23**

Received on: **8/3/23**
 Received by: **William Lanier**

Temp in C: **105.5**

Received at: **1420**

Labby: **William Lanier**

Sample: **8/3/23 10:00**

Project: **Normal Jurisdiction, General Services**

Report: **Normal Jurisdiction, General Services**



Effective Date: 11/14/2022

Laboratory receiving samples:

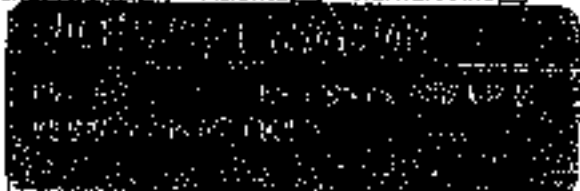
Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:



Courier: Fed Ex UPS USPS Client Pace Other

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initial Person Examining Contents: 8/7/23 CWT

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 3.6 Correction Factor: 0.0 Add/Subtract (°C)

Temp should be above freezing to 6°C Samples out of temp criteria. Samples or ice cooling process has begun

Cooler Temp Corrected (°C): 3.6

USDA Regulated Soil: N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Do samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/IQ/Analysis Matrix <u>W</u>	
Needspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCUBF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: W04, Coliform, TOC, Oil and Grease, DRP/BD15 (water) DOC, LHMg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 ml Plastic Unpreserved (N/A) (CL)	BP3U-250 ml Plastic Unpreserved (N/A)	BP2U-500 ml Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 ml Plastic H2SO4 (pH < 2) (CL)	BP3S-250 ml plastic HNO3 (pH < 2)	BP4B-125 ml Plastic Zn Acetate & NaOH (pH > 12) (CL)	BP4B-125 ml Plastic NaOH (pH > 12) (CL)	WGFU-Wire-meshed Glass jar Unpreserved	AG3U-1 liter Amber Unpreserved (N/A) (CL)	AG3H-1 liter Amber HCl (pH < 2)	AG3U-250 ml Amber Unpreserved (N/A) (CL)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 ml Amber H2SO4 (pH < 2)	DG3M-40 ml Amber HNO3 (N/A) (CL)	DG3H-40 ml VOA HCl (HFA)	VG3T-40 ml VOA MgSO4 (N/A)	VG3U-40 ml VOA Unpreserved (N/A)	DG3V-40 ml VOA H3PO4 (N/A)	KP3U 50 ml Plastic Unpreserved (N/A)	V/GB 13 vials per 325 VPH/GAS kit (N/A)	SP4S-125 ml Sterile Plastic (N/A) - (pH)	SP3U-250 ml Sterile Plastic (N/A) - (pH)	BP4B-250 ml Plastic (N/A) (pH > 12)	AG3U-100 ml Amber Unpreserved (N/A) (CL)	VG3U-10 ml Scintillation vials (N/A)	DG3U-40 ml Amber Unpreserved vials (N/A)		
1	2	1																											
2	2	1																											
3	2	1																											
4	2	1																											
5	2	1																											
6	2	1																											
7	2	1																											
8	2	1																											
9	2	1																											
10	2	1																											
11	2	1																											
12	2	1																											

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

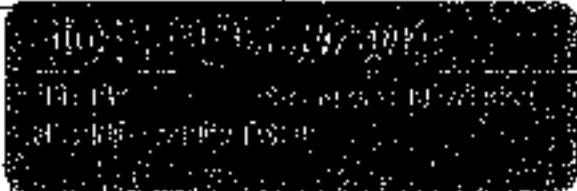
Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #



Acceptance: VOA, Coliform, TOC, Oil and Grease, DR0/8035 (water) DDC, LUG

Bottom half of box is to list number of bottles

Check all unpreserved Nitrates for chlorine

Pres#	BP40-125 mL Plastic Unpreserved (N/A) (C-)	BP40-250 mL Plastic Unpreserved (N/A)	BP50-500 mL Plastic Unpreserved (N/A)	BP10-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H2SO4 (pH < 2) (C-)	BP30-250 mL Plastic HNO3 (pH < 2)	BP40-125 mL Plastic ZnAcetate & NaOH (B)	BP40-125 mL Plastic NaOH (pH > 12) (C-)	WSPU-Wide-mouthed Glass Jar Unpreserved	AG10-1 liter Amber Unpreserved (N/A) (C-)	AG10-1 liter Amber HCl (pH < 2)	AG10-250 mL Amber Unpreserved (N/A) (C-)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 mL Amber H2SO4 (pH < 2)	OG50-40 mL Amber NH4Cl (N/A)(C-)	OG9H-40 mL VOA HCl (N/A)	V69T-40 mL VOA Na2S2O3 (N/A)	V69U-40 mL VOA Unpreserved (N/A)	OG6V-40 mL VOA HEPES (N/A)	KP70-50 mL Plastic Unpreserved (N/A)	V75W (3 walls per ml)-VSPG/Gas Ml (N/A)	SP8T-125 mL Sterile Flask (N/A - Sbi)	SP8T-250 mL Sterile Plastic (N/A - Sbi)	BP90-250 mL Plastic (NH2)2SO4 (B,3-9,7)	AG10-100 mL Amber Unpreserved (N/A) (C-)	V56U-20 mL Squalon walls (N/A)	OG9U-40 mL Amber Unpreserved vials (N/A)		
		2	1																										
		2	1																										

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH Upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina OENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

CHAIN-OF-CUSTODY / Analytical Request Document

This Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Supplementing is available via this chain of custody conveyor and acknowledgement and acceptance of the Page Terms and Conditions found at <https://www.pace.com/tutorials/pac-standard-forms.pdf>.

Page: 1 of 2
 Section B
 Requested Project Information:
 Support To: William Williams, County Boardman
 Copy To: Learn Support, Ben-Hodges, Mike Searley
North Georgia
 Address: 241 Ralph McGill Blvd NE, Atlanta, GA 30302
 State: GA
 Project Name: Boaven LP Cells 3&4
 Project #: 10450-4

DATE	TIME	COLLECTOR	SAMPLE TYPE (S-SPR, C-COMP)	DATE/TIME AT COLLECTION	# OF CONTAINERS	Preservatives					LAB	ANALYST	
						FORM	FORM	FORM	FORM	FORM			
8/3/23	1134	WG G	G	4	3								
8/3/23	1152	WG G	G	4	3								
8/3/23	1508	WG G	G	4	3								
8/3/23	1530	WG G	G	4	3								
8/3/23	1405	WG G	G	4	3								

SAMPLE ID: **SAMPLE 10**
 One character per box.
 (A-Z, 0-9, -, /, ., #)
 Same for all boxes, use slashes

William Leaghet 8/3/23 1417
 Kyle Williams / Ben Hodges 8/3/23 1542

William Williams / Ben Hodges 8/3/23 1417
 Kyle Williams / Ben Hodges 8/3/23 1542

DATE RECEIVED: 8/3/23
 RECEIVED BY: [Signature]
 DATE SHIPPED: 8/3/23
 SHIPPED BY: [Signature]

Page

CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Print Terms and Conditions found at <http://www.epa.gov/epaosopr/ocds/chainofcustody-terms.pdf>.

Section A
 Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Print Terms and Conditions found at <http://www.epa.gov/epaosopr/ocds/chainofcustody-terms.pdf>.
 Section B
 Analytical Request Information:
 Client: Georgia Power
 Project Name: 241 Hays Mill Pond, Hwy 46
 Project ID: 241 Hays Mill Pond, Hwy 46
 Project Location: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project Contact: James D. Miller
 Project Phone: 706/333-1000
 Project Email: James.D.Miller@ge.com
 Project Address: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project State: GA

SAMPLE ID Date Collected and Time (M-D-Y H:M)	Matrix Code (See the back of the form)	Sample Type (See the back of the form)	Collector	Date	Time	Preservatives					Other	Remarks	Date	Time	Signature	
						NO2	NO3	NO2+NO3	As	Se						Other
SON-GWC-2R	WQ	G	1000	8/3/23	1000											
SON-GWC-2R	WQ	G	1140	8/3/23	1140											
SON-GWC-2R	WQ	G	1018	8/3/23	1018											
SON-SPRND	WB	D														
SON-LFS-4-EP-04	WQ	G														
SON-LFS-4-EP-07	WQ	G														
SON-LFS-4-EP-10	WQ	D	1600	8/3/23	1600											
SON-LFS-4-EP-11	WQ	D														
SON-LFS-4-EP-12	WQ	G														
SON-LFS-4-EP-13	WQ	G														
SON-LFS-4-EP-14	WQ	G														
SON-LFS-4-EP-15	WQ	G														
SON-LFS-4-EP-16	WQ	G														
SON-LFS-4-EP-17	WQ	G														
SON-LFS-4-EP-18	WQ	G														
SON-LFS-4-EP-19	WQ	G														
SON-LFS-4-EP-20	WQ	G														

Section C
 Analytical Request Information:
 Client: Georgia Power
 Project Name: 241 Hays Mill Pond, Hwy 46
 Project ID: 241 Hays Mill Pond, Hwy 46
 Project Location: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project Contact: James D. Miller
 Project Phone: 706/333-1000
 Project Email: James.D.Miller@ge.com
 Project Address: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project State: GA

Section D
 Analytical Request Information:
 Client: Georgia Power
 Project Name: 241 Hays Mill Pond, Hwy 46
 Project ID: 241 Hays Mill Pond, Hwy 46
 Project Location: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project Contact: James D. Miller
 Project Phone: 706/333-1000
 Project Email: James.D.Miller@ge.com
 Project Address: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project State: GA

Section E
 Analytical Request Information:
 Client: Georgia Power
 Project Name: 241 Hays Mill Pond, Hwy 46
 Project ID: 241 Hays Mill Pond, Hwy 46
 Project Location: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project Contact: James D. Miller
 Project Phone: 706/333-1000
 Project Email: James.D.Miller@ge.com
 Project Address: 241 Hays Mill Pond, Hwy 46, Albany, GA 31706
 Project State: GA



October 02, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 3&4
Pace Project No.: 92690621

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 3&4

Pace Project No.: 92690621

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 3&4
Pace Project No.: 92690621

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92690621001	BOW-GWC-23R	Water	09/26/23 11:10	09/28/23 09:33
92690621002	BOW-LF3-4-FD-1	Water	09/26/23 00:00	09/28/23 09:33
92690621003	BOW-LF3-4-FB-1	Water	09/26/23 13:45	09/28/23 09:33

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4
Pace Project No.: 92690621

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92690621001	BOW-GWC-23R	SM 2540C-2015	DL1	1
92690621002	BOW-LF3-4-FD-1	SM 2540C-2015	DL1	1
92690621003	BOW-LF3-4-FB-1	SM 2540C-2015	DL1	1

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4
Pace Project No.: 92690621

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690621001	BOW-GWC-23R					
SM 2540C-2015	Total Dissolved Solids	444	mg/L	25.0	09/29/23 13:37	
92690621002	BOW-LF3-4-FD-1					
SM 2540C-2015	Total Dissolved Solids	452	mg/L	25.0	09/29/23 13:37	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92690621

Sample: BOW-GWC-23R **Lab ID: 92690621001** Collected: 09/26/23 11:10 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	444	mg/L	25.0	25.0	1		09/29/23 13:37		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92690621

Sample: BOW-LF3-4-FD-1 Lab ID: 92690621002 Collected: 09/26/23 00:00 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	452	mg/L	25.0	25.0	1		09/29/23 13:37		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92690621

Sample: BOW-LF3-4-FB-1 Lab ID: 92690621003 Collected: 09/26/23 13:45 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		09/29/23 13:37		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92690621

QC Batch:	803075	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92690621001, 92690621002, 92690621003

METHOD BLANK: 4159459 Matrix: Water

Associated Lab Samples: 92690621001, 92690621002, 92690621003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	09/29/23 13:36	

LABORATORY CONTROL SAMPLE: 4159460

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	80-120	

SAMPLE DUPLICATE: 4159461

Parameter	Units	92690621001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	444	450	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 3&4

Pace Project No.: 92690621

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4
Pace Project No.: 92690621

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92690621001	BOW-GWC-23R	SM 2540C-2015	803075		
92690621002	BOW-LF3-4-FD-1	SM 2540C-2015	803075		
92690621003	BOW-LF3-4-FB-1	SM 2540C-2015	803075		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Meridian Atlanta Kernersville

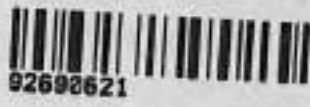
Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92690621



Courier: Fed Ex UPS USPS Client Pace Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *9-28-23 JCC*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: *230* Type of Ice: Wet Blue None

Cooler Temp: *1.8* Correction Factor: Add/Subtract (°C) *0.0*

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): *1.8*

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <i>W</i>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

WO# : 92690621

PH: BV Due Date: 10/12/23

CLIENT : 92-GP-BOWLF

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LHLg

*Bottom half of box is to list number of bottles

**Check all unpreserved Nitrates for chlorine

Item#	BP4B-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3R-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	RP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit) VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VS6U-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at [https://www.pace.com/chain-of-custody-standard-terms.pdf](#)

Section B
Requested Project Information:
Report To: Kristen Aurilio, Casey Suberwind
Copy To: Laura Meent, Ben Hodges, Mike Sewley
Node Name: Node Gung
Purchase Order #: GPC32474-088
Project Name: Bowen LP Cells 334
Project #

Section C
Invoice Information:
Attention:
Company Name: Georgia Power
Address: 241 Ralph McGill Blvd NE Atlanta GA 30308
Pace Order:
Pace Project Manager: borris.van@tpccalcs.com
Pace Profit #: 10850-4

Page: 1 of 1

Requested Client Information:	Requested Project Information:	Invoice Information:	Regulatory Agency
Company: Georgia Power	Report To: Kristen Aurilio, Casey Suberwind	Attention:	
Address: 241 Ralph McGill Blvd NE	Copy To: Laura Meent, Ben Hodges, Mike Sewley	Company Name: Georgia Power	
City: Atlanta, GA 30308	Node Name: Node Gung	Address: 241 Ralph McGill Blvd NE Atlanta GA 30308	
Email: enquiry@georgia-power.com	Purchase Order #: GPC32474-088	Pace Order:	
Phone: (478) 217-0008 Fax:	Project Name: Bowen LP Cells 334	Pace Project Manager: borris.van@tpccalcs.com	
Requested Due Date: Standard	Project #	Pace Profit #: 10850-4	State / Location GA

ITEM #	SAMPLE ID One Character per box (A-Z, 0-9, -) Sample IDs must be unique	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Y/N	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)
				DATE	TIME			H2SO4	HNO3	HCl	NaOH	Na2SO3	Methanol	Other				
1	BOW-GWC-23R	WIG	G	9/26/23	1110	Unpreserved	1								X		NA	
2	BOW-LFS-4FO-1	WIG	G	9/26/23	--	Unpreserved	1								X		W2	
3	BOW-LFS-4FS-1	WIG	G	9/26/23	1345	Unpreserved	1								X		W3	
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Meredith Duncan Kyon Williams / Pace	9/28/23	0935	Kyon Williams / Pace	9/28/23	0935	
	9/28/23	1505	JCC	9/28/23	1505	

SAMPLER NAME AND SIGNATURE	PREPARE NAME OF SAMPLER	DATE SIGNED	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Meredith Duncan	Meredith Duncan	9/26/23				



October 13, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 9&10
Pace Project No.: 92690623

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 9&10
Pace Project No.: 92690623

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92690623001	BOW-GWC-48	Water	09/26/23 12:45	09/28/23 09:33
92690623002	BOW-LF9-10-FD-1	Water	09/26/23 00:00	09/28/23 09:33
92690623003	BOW-LF9-10-FB-1	Water	09/26/23 13:40	09/28/23 09:33

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92690623001	BOW-GWC-48	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92690623002	BOW-LF9-10-FD-1	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92690623003	BOW-LF9-10-FB-1	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92690623001	BOW-GWC-48					
EPA 7470A	Mercury	0.00067	mg/L	0.00020	10/12/23 14:14	
EPA 300.0 Rev 2.1 1993	Chloride	6.6	mg/L	1.0	09/30/23 15:44	
92690623002	BOW-LF9-10-FD-1					
EPA 7470A	Mercury	0.00078	mg/L	0.00020	10/12/23 14:16	
EPA 300.0 Rev 2.1 1993	Chloride	6.5	mg/L	1.0	09/30/23 15:57	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Sample: BOW-GWC-48		Lab ID: 92690623001		Collected: 09/26/23 12:45		Received: 09/28/23 09:33		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00067	mg/L	0.00020	0.00013	1	10/12/23 09:00	10/12/23 14:14	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.6	mg/L	1.0	0.60	1		09/30/23 15:44	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Sample: BOW-LF9-10-FD-1 Lab ID: 92690623002 Collected: 09/26/23 00:00 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	0.00078	mg/L	0.00020	0.00013	1	10/12/23 09:00	10/12/23 14:16	7439-97-6	
300.0 IC Anions 28 Days	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	6.5	mg/L	1.0	0.60	1		09/30/23 15:57	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Sample: BOW-LF9-10-FB-1 Lab ID: 92690623003 Collected: 09/26/23 13:40 Received: 09/28/23 09:33 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/12/23 09:00	10/12/23 14:19	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		09/30/23 16:11	16887-00-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

QC Batch:	805702	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92690623001, 92690623002, 92690623003

METHOD BLANK: 4172210 Matrix: Water
 Associated Lab Samples: 92690623001, 92690623002, 92690623003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	10/12/23 13:05	

LABORATORY CONTROL SAMPLE: 4172211

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4172212 4172213

Parameter	Units	4172212		4172213		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92689468002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	93	94	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

QC Batch: 803268 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92690623001, 92690623002, 92690623003

METHOD BLANK: 4160428 Matrix: Water
 Associated Lab Samples: 92690623001, 92690623002, 92690623003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/30/23 11:29	

LABORATORY CONTROL SAMPLE: 4160429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4160430 4160431

Parameter	Units	92690687001		4160431		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.						
Chloride	mg/L	1.3	50	49.6	50	97	102	90-110	6	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4160432 4160433

Parameter	Units	92690687011		4160433		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MS Spike Conc.	MS Result	MS Spike Conc.						
Chloride	mg/L	25.5	50	78.6	50	106	111	90-110	3	10 M1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 9&10

Pace Project No.: 92690623

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92690623001	BOW-GWC-48	EPA 7470A	805702	EPA 7470A	805873
92690623002	BOW-LF9-10-FD-1	EPA 7470A	805702	EPA 7470A	805873
92690623003	BOW-LF9-10-FB-1	EPA 7470A	805702	EPA 7470A	805873
92690623001	BOW-GWC-48	EPA 300.0 Rev 2.1 1993	803268		
92690623002	BOW-LF9-10-FD-1	EPA 300.0 Rev 2.1 1993	803268		
92690623003	BOW-LF9-10-FB-1	EPA 300.0 Rev 2.1 1993	803268		

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicville Atlanta Kernersville

Sample Container Type: Seal No Seal

Client Name:

Project #:

WO#: 92690623



Carrier: Fed Ex UPS USPS Other Clerk
 Commercial Pace

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 9-28-23 JG

Packaging Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 730 Type of Ice: Wet Dry None

Cooler Temp: 1.8 Correction Factor: Add/Subtract (°C) 0.4

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.8

ISDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States, CA, HI, or SC (check map)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Brush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Includes Date/Time/ID/Analysis Macro: <u> </u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

INSTRUMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

EVENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

WO#: 92690623

Project

PH: BV

Due Date: 10/12/23

CLIENT: 92-GP-BONLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DMO/8015 (water) DOC, L.Hg

**Bottom half of box is to list number of bottles

***Check unpreserved Nitrates for chlorine

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP44-125 mL Plastic Unpreserved (N/A) (C+)													
BP30-250 mL Plastic Unpreserved (N/A)													
BP21-500 mL Plastic Unpreserved (N/A)													
BP11-1 liter Plastic Unpreserved (N/A)													
BP05-125 mL Plastic H2SO4 (pH < 2) (C+)													
BP34-250 mL plastic HNO3 (pH < 2)													
BP42-125 mL Plastic 2M Acetate & NaOH (pH > 9)													
BP09-125 mL Plastic H2O2 (pH > 12) (C+)													
W06-U-White mouthed Glass jar Unpreserved													
AG310-1 liter Amber Unpreserved (N/A) (C+)													
AG314-1 liter Amber HCl (pH < 2)													
AG310-250 mL Amber Unpreserved (N/A) (C+)													
AG15-1 liter Amber H2SO4 (pH < 2)													
AG35-250 mL Amber H2SO4 (pH < 2)													
DG94-40 mL Amber NH4Cl (N/A)(C+)													
DG94-40 mL VOA HCl (N/A)													
VG91-40 mL VOA Na2S2O3 (N/A)													
VG94-40 mL VOA Unpreserved (N/A)													
DG94-40 mL VOA H3PO4 (N/A)													
BP71-50 mL Plastic Unpreserved (N/A)													
V/G04 (3 vials per kit)-vial/Gas In (N/A)													
SP51-125 mL Sterile Plastic (N/A - ab)													
SP21-250 mL Sterile Plastic (N/A - ab)													
BP38-250 mL Plastic (NH2)2SO4 (9.3-9.7)													
AG00-100 mL Amber Unpreserved (N/A) (C+)													
V580-20 mL Scintillation vials (N/A)													
D090-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy adjusting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document

Section B

Requested Client Information:
Client: Georgia Power
Project Name: 241 Bush Nuclear Plant, LLC
Project Address: 241 Bush Nuclear Plant, LLC, Roswell, GA 30085
Client Contact: James Gandy
Request Date: 9/26/23
Requester: James Gandy
Requester Title: Project Manager
Requester Email: James.Gandy@epscorp.com
Requester Phone: 770.383.8110
Requester Fax:
Requester Email:
Requester Phone:
Requester Fax:

Requested Client Information:
Client: Georgia Power
Project Name: 241 Bush Nuclear Plant, LLC
Project Address: 241 Bush Nuclear Plant, LLC, Roswell, GA 30085
Client Contact: James Gandy
Request Date: 9/26/23
Requester: James Gandy
Requester Title: Project Manager
Requester Email: James.Gandy@epscorp.com
Requester Phone: 770.383.8110
Requester Fax:
Requester Email:
Requester Phone:
Requester Fax:

Requested Client Information:
Client: Georgia Power
Project Name: 241 Bush Nuclear Plant, LLC
Project Address: 241 Bush Nuclear Plant, LLC, Roswell, GA 30085
Client Contact: James Gandy
Request Date: 9/26/23
Requester: James Gandy
Requester Title: Project Manager
Requester Email: James.Gandy@epscorp.com
Requester Phone: 770.383.8110
Requester Fax:
Requester Email:
Requester Phone:
Requester Fax:

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TYPE	MATRIX	COLLECTED	ANALYSIS	# OF CONTAINERS	PRESERVATION		ANALYSIS	METHOD	REMARKS	RECEIVED BY	DATE
									Temperature	Other					
1	BNW-GWC-45	9/26/23	12:45	WQ	WQ	WQ	WQ	2	1	1	WQ	WQ			
2	BNW-GWC-10-D-1	9/26/23		WQ	WQ	WQ	WQ	2	1	1	WQ	WQ			
3	BNW-GWC-10-E-1	9/26/23	13:40	WQ	WQ	WQ	WQ	2	1	1	WQ	WQ			
4															
5															
6															
7															
8															
9															
10															
11															
12															

Additional Comments: Meredith Duncan
Kyran W. Williams
1506
IT
9/26/23
0933
9/26/23
0933

Requested Client Information:
Client: Georgia Power
Project Name: 241 Bush Nuclear Plant, LLC
Project Address: 241 Bush Nuclear Plant, LLC, Roswell, GA 30085
Client Contact: James Gandy
Request Date: 9/26/23
Requester: James Gandy
Requester Title: Project Manager
Requester Email: James.Gandy@epscorp.com
Requester Phone: 770.383.8110
Requester Fax:
Requester Email:
Requester Phone:
Requester Fax:

Requested Client Information:
Client: Georgia Power
Project Name: 241 Bush Nuclear Plant, LLC
Project Address: 241 Bush Nuclear Plant, LLC, Roswell, GA 30085
Client Contact: James Gandy
Request Date: 9/26/23
Requester: James Gandy
Requester Title: Project Manager
Requester Email: James.Gandy@epscorp.com
Requester Phone: 770.383.8110
Requester Fax:
Requester Email:
Requester Phone:
Requester Fax:

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed one data package from Pace Analytical for the analysis of water samples collected from July 27 to August 1, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Monitoring Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- SW-846-6010D – Metals by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846-6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Alkalinity, total and bicarbonate

Data were reviewed and validated as described in the groundwater monitoring plan, Data Validation Standard Operating Procedures (September 2011) and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Twenty four (24) groundwater samples, five (5) field blanks, and three (3) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperature of 4.3°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exception:

- Copper was detected in the method blank for batch 791813 at a concentration below the laboratory Reporting Limit (RL). Associated sample results reported as not detected do not require qualification. Eight samples (BOW-GWA-1, BOW-GWA-2R, BOW-LF1-2-FD-03, BOW-GWA-50, BOW-GWA-50R, BOW-GWA-5, BOW-GWA-13RZ, and BOW-GWC-12) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

- TDS was detected in the field blank BOW-LF1-2-FB-04 (07/27/2023) at a concentration above the laboratory Reporting Limit (RL). Associated sample results reported as not detected do not require qualification. Three samples (BOW-GWA-1, BOW-GWA-2, and BOW-GWA-2R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Magnesium was detected in the field blank BOW-LF1-2-FB-06 (7/31/2023) at a concentration above the laboratory Reporting Limit (RL). All associated samples were detected at concentrations greater than 10 times the blank and therefore no qualification was necessary.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

- Calcium and magnesium in BOW-GWA-1 had low MS/MSD percent recoveries. However, the spiking concentration was less than 30% of the concentration reported for the parent sample and therefore not appropriate for evaluation.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Field Precision

Three sets of field duplicate samples were collected for this sampling event (see Tables 3a, b and c for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Plant Bowen Groundwater Monitoring Plan. September.

United States Environmental Protection Agency (USEPA) Region IV 2011. Data Validation Standard Operating Procedures. September.

United States Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (Cells 1 & 2)
 Analytical Report Nos. 92679955
 August 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-1	92679955001	92679955	7/27/2023
BOW-GWA-2	92679955002	92679955	7/27/2023
BOW-GWA-2R	92679955003	92679955	7/27/2023
BOW-LF1-2-FB-04	92679955006	92679955	7/27/2023
BOW-LF1-2-FD-03	92679955004	92679955	7/28/2023
BOW-LF1-2-FB-05	92679955005	92679955	7/28/2023
BOW-GWA-4RZ	92679955008	92679955	7/28/2023
BOW-GWA-50	92679955009	92679955	7/28/2023
BOW-GWA-50R	92679955010	92679955	7/28/2023
BOW-GWC-5	92679955011	92679955	7/28/2023
BOW-GWC-6RZ	92679955012	92679955	7/28/2023
BOW-GWC-13RZ	92679955013	92679955	8/02/2023
BOW-GWC-15R	92679955014	92679955	8/02/2023
BOW-LF1-2-FB-08	92679955015	92679955	8/02/2023
BOW-GWA-3A	92679955016	92679955	8/01/2023
BOW-GWC-11	92679955017	92679955	8/01/2023
BOW-GWC-11R	92679955018	92679955	8/01/2023
BOW-GWC-12	92679955019	92679955	8/01/2023
BOW-GWC-13	92679955020	92679955	8/01/2023
BOW-GWC-14Z	92679955021	92679955	8/01/2023
BOW-GWC-15Z	92679955022	92679955	8/01/2023
BOW-LF1-2-FD-05	92679955023	92679955	8/01/2023
BOW-LF1-2-FB-07	92679955024	92679955	8/01/2023
BOW-GWC-6	92679955025	92679955	7/31/2023
BOW-GWC-7Z	92679955026	92679955	7/31/2023
BOW-GWC-8Z	92679955027	92679955	7/31/2023
BOW-GWC-8RR	92679955028	92679955	7/31/2023
BOW-GWC-9	92679955029	92679955	7/31/2023
BOW-GWC-10	92679955030	92679955	7/31/2023
BOW-GWC-10R	92679955031	92679955	7/31/2023
BOW-LF1-2-FD-04	92679955032	92679955	7/31/2023
BOW-LF1-2-FB-06	92679955033	92679955	7/31/2023

SDG – sample delivery group (lab report ID)

Stantec
 Georgia Power – Bowen (Cells 1 & 2)
 Analytical Report Nos. 92679955
 August 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
BOW-GWA-1	TDS	J / BFH	Detected in FB
BOW-GWA-2	TDS	J / BFH	Detected in FB
BOW-GWA-2R	TDS	J / BFH	Detected in FB
BOW-GWA-1	Copper	J / BLL	Detected in MB
BOW-GWA-2R	Copper	J / BLL	Detected in MB
BOW-LF1-2-FD-03	Copper	J / BLL	Detected in MB
BOW-GWA-50	Copper	J / BLL	Detected in MB
BOW-GWA-50R	Copper	J / BLL	Detected in MB
BOW-GWC-5	Copper	J / BLL	Detected in MB
BOW-GWC-13RZ	Copper	J / BLL	Detected in MB
BOW-GWC-12	Copper	J / BLL	Detected in MB

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (Cells 1 & 2)
 Analytical Report Nos. 92679955
 August 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWA-50R / BOW-LF1-2-FD-03	Potassium	0.24 J	0.37 J	NC	A*
	Sodium	0.68 J	0.79 J	NC	A*
	Manganese	0.012 J	0.013 J	NC	A*
	Calcium	0.60 J	0.66 J	NC	A*
	Magnesium	0.22	0.25	NC	A*
	Antimony	ND	0.0032	NC	A*
	Barium	0.0079	0.0086	NC	A*
	Boron	ND	0.016 J	NC	A*
	Copper	0.0034 J	0.0035 J	NC	A*
	Nickel	0.00092 J	0.00095 J	NC	A*
	Silver	0.00091 J	0.0010 J	NC	A*
	Chloride	0.72 J	0.75 J	NC	A*
	Sulfate	0.71 J	0.79 J	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 1 & 2)
 Analytical Report Nos. 92679955
 August 2023

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-15Z / BOW-LF1-2-FD-05	Sodium	2.6	2.5	NC	A*
	Potassium	0.86	0.92	NC	A*
	Calcium	24.5	24.1	1.6%	A
	Magnesium	13.2	13.0	1.5%	A
	Antimony	0.0028 J	0.0026 J	NC	A*
	Barium	0.011	0.010	NC	A*
	Boron	ND	0.015 J	NC	A*
	TDS	114	128	11.6%	A
	Bicarb Alkalinity	124	126	1.6%	A
	Total Alkalinity	124	126	1.6%	A
	Chloride	0.82 J	0.78 J	NC	A*
	Sulfate	0.73 J	0.69 J	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 1 & 2)
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 August 2023

Table 3c – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-6 / BOW-LF1-2- FD-04	Sodium	0.94 J	0.93 J	0.94 J	A*
	Potassium	0.97	1.1	NC	A*
	Calcium	14.6	14.6	0.0%	A
	Magnesium	7.4	7.3	1.4%	A
	Barium	0.0067	0.0067	NC	A*
	Chromium	0.0024 J	0.0019 J	NC	A*
	TDS	77	81	NC	A*
	Bicarb Alkalinity	67	66	1.5%	A
	Total Alkalinity	67	66	1.5%	A
	Chloride	1.3	1.3	NC	A*
	Sulfate	1.7	1.7	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed one data package from Pace Analytical for the analysis of water samples collected from August 2 to August 4, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Sampling Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- SW-846-6010D – Metals by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846-6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Alkalinity, total and bicarbonate

Data were reviewed and validated as described in the groundwater monitoring plan, Region IV Data Validation Standard Operating Procedures (September 2011) and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, three (3) field blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperature of 3.6°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

- TDS was detected in the field blank BOW-LF3-4-FB-09 (08/02/2023) at concentrations above the laboratory Reporting Limit (RL). Associated sample results reported as not detected do not require qualification. Three samples (BOW-GWA-36A, BOW-GWA-38, BOW-LF3-4-FD-06) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Zinc was detected in the field blank BOW-LF3-4-FB-10 (08/03/2023) at a concentration below the laboratory Reporting Limit (RL). All associated samples were reported as not detected and therefore no qualification was necessary.
- Potassium was detected in the field blank BOW-LF3-4-FB-09 (08/04/2023) at concentrations below the laboratory Reporting Limit (RL). Associated samples with concentrations greater than 10 times the blank do not require qualification. Three samples (BOW-GWC-18R, BOW-GWC-19R, BOW-GWC-21R) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

- Calcium and magnesium in BOW-GWA-36A had low MS/MSD percent recoveries. However, the spiking concentration was less than 30% of the concentration reported for the parent sample and therefore not appropriate for evaluation.
- Total alkalinity in BOW-LF3-4-FD-06 had high MS/MSD percent recoveries and has been qualified as estimated. Bicarbonate alkalinity has also been qualified as it is calculated from total alkalinity.
- Fluoride in BOW-LF3-4-FD-06 had high MS/MSD percent recoveries and has been qualified as estimated.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Tables 3a and b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less

than two times the RL are also considered acceptable (qualified “A*”). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Bowen Groundwater Sampling Plan. September.

United States Environmental Protection Agency (USEPA), 2011. Region IV Data Validation Standard Operating Procedures. September.

United States Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (Cells 3 & 4)
 Analytical Report Nos. 92680804
 August 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-36A	92680804001	92680804	8/02/2023
BOW-GWA-37	92680804002	92680804	8/02/2023
BOW-GWA-38	92680804003	92680804	8/02/2023
BOW-LF3-4-FD-06	92680804004	92680804	8/02/2023
BOW-LF3-4-FB-09	92680804005	92680804	8/02/2023
BOW-GWA-36RA	92680804006	92680804	8/03/2023
BOW-GWC-17R	92680804007	92680804	8/03/2023
BOW-GWC-18	92680804008	92680804	8/03/2023
BOW-GWC-20R	92680804009	92680804	8/03/2023
BOW-GWC-22R	92680804010	92680804	8/03/2023
BOW-GWC-23R	92680804011	92680804	8/03/2023
BOW-GWC-24R	92680804012	92680804	8/03/2023
BOW-GWC-25R	92680804013	92680804	8/03/2023
BOW-LF3-4-FD-07	92680804014	92680804	8/03/2023
BOW-LF3-4-FB-10	92680804015	92680804	8/03/2023
BOW-GWC-16R	92680804016	92680804	8/04/2023
BOW-GWC-18R	92680804017	92680804	8/04/2023
BOW-GWC-19R	92680804018	92680804	8/04/2023
BOW-GWC-21R	92680804019	92680804	8/04/2023
BOW-LF3-4-FB-11	92680804020	92680804	8/04/2023

SDG – sample delivery group (lab report ID)

Stantec
 Georgia Power – Bowen (Cells 3 & 4)
 Analytical Report Nos. 92680804
 August 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
BOW-GWA-36A	TDS	J / BFH	Detected in FB
BOW-GWA-38	TDS	J / BFH	Detected in FB
BOW-LF3-4-FD-06	TDS	J / BFH	Detected in FB
BOW-GWC-18R	Potassium	J / BFL	Detected in FB
BOW-GWC-19R	Potassium	J / BFL	Detected in FB
BOW-GWC-21R	Potassium	J / BFL	Detected in FB
BOW-LF3-4-FD-06	Total Alkalinity	J / MS1	MS/MSD %R
BOW-LF3-4-FD-06	Bicarb Alkalinity	J / MS1	MS/MSD %R
BOW-LF3-4-FD-06	Fluoride	J / MS1	MS/MSD %R

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (Cells 3 & 4)
 Analytical Report Nos. 92680804
 August 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWA-36A / BOW-LF3-4-FD-06	Iron	0.13	0.15	NC	A*
	Manganese	0.020 J	0.020 J	NC	A*
	Potassium	1.3	1.4	NC	A*
	Zinc	ND	0.0092 J	NC	A*
	Sodium	1.8	1.9	NC	A*
	Calcium	40.7	42.2	3.6%	A
	Magnesium	22.1	23.1	4.4%	A
	Barium	0.026	0.025	3.9%	A
	Boron	0.0091 J	ND	NC	A*
	TDS	224	212	5.5%	A
	Bicarb Alkalinity	192	193	0.5%	A
	Total Alkalinity	192	193	0.5%	A
	Chloride	2.8	2.5	NC	A*
	Sulfate	7.9	7.9	0.0%	A

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 3 & 4)
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Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-25R / BOW-LF3-4-FD-07	Potassium	0.77	0.78	NC	A*
	Sodium	1.3	1.4	NC	A*
	Calcium	34.3	34.7	1.2%	A
	Magnesium	19.0	19.0	0.0%	A
	Barium	0.014	0.014	NC	A*
	TDS	170	166	2.4%	A
	Bicarb Alkalinity	177	175	1.1%	A
	Total Alkalinity	177	175	1.1%	A
	Chloride	2.3	2.3	NC	A*
	Sulfate	2.2	2.1	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed one data package from Pace Analytical for the analysis of water samples collected from July 25 to July 27, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Monitoring Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- SW-846-6010D – Metals by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846-6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Alkalinity, total and bicarbonate

Data were reviewed and validated as described in the groundwater monitoring plan, Region IV Data Validation Standard Operating Procedures (September 2011) and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Seventeen (17) groundwater samples, four (4) field blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperature of 4.3°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exception:

- Potassium was detected in the method blank for batch 789946 at a concentration below the laboratory Reporting Limit (RL). Associated sample results reported as not detected do not require qualification. Thirteen samples (BOW-GWA-39RZ, BOW-GWA-41, BOW-LF9-10-FD-01, BOW-GWA-41R, BOW-GWA-43, BOW-GWA-43R, BOW-GWA-39Z, BOW-GWA-40, BOW-GWA-42, BOW-GWC-44, BOW-GWC-45, BOW-GWC-45R, and BOW-GWC-48) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

- Potassium and arsenic were detected in the field blank BOW-LF9-10-FB-01 (07/25/2023) at concentrations below the laboratory Reporting Limit (RL). For arsenic, all associated sample results were reported as not detected and therefore do not require qualification. For potassium, five samples (BOW-GWA-39RZ, BOW-GWA-41, BOW-GWA-41R, BOW-GWA-43, BOW-LF9-10-FD-01, and BOW-GWA-43R) had reported values less than 10 times the blank concentration and have been qualified as estimated.
- Arsenic was detected in the field blank BOW-LF9-10-EB-01 (7/25/2023) at a concentration below the laboratory Reporting Limit (RL). All associated sample results were reported as not detected and therefore do not require qualification.
- Arsenic and vanadium were detected in the field blank BOW-LF9-10-FB-02 (07/26/2023) at concentrations below the laboratory Reporting Limit (RL). Associated sample results reported as not detected do not require qualification. Two samples (BOW-GWC-44 and BOW-GWC-45) detected both arsenic and vanadium at concentrations below the RL. Associated samples had reported values less than 10 times the blank concentration and have been qualified as estimated. In addition, vanadium was detected in sample BOW-GWC-48 at a concentration below the RL and less than 10 times the blank concentration and has been qualified as estimated.
- Arsenic was detected in the field blank BOW-LF9-10-FB-03 (7/27/2023) at a concentration below the laboratory Reporting Limit (RL). Associated sample results reported as not detected do not require qualification. Two samples (BOW-GWC-47R and BOW-GWC-49Z) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses with the following exceptions:

- Beryllium had a high LCS percent recovery in batch 791449. All associated sample results were reported as not detected and therefore no qualification was necessary.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with

the following exceptions:

- Calcium and magnesium in BOW-GWA-39RZ had low MS/MSD percent recoveries. However, the spiking concentration was less than 30% of the concentration reported for the parent sample and therefore not appropriate for evaluation.
- Beryllium in BOW-GWC-47 had high MS/MSD percent recoveries. Beryllium in this sample has been qualified as estimated.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Tables 3a and b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Bowen Groundwater Monitoring Plan. September.

United States Environmental Protection Agency (USEPA), 2011. Region IV Data Validation Standard Operating Procedures. September.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (Cells 9 & 10)
 Analytical Report Nos. 92679665
 August 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWA-39RZ	92679665001	92679665	7/25/2023
BOW-GWA-41	92679665002	92679665	7/25/2023
BOW-GWA-41R	92679665003	92679665	7/25/2023
BOW-GWA-43	92679665004	92679665	7/25/2023
BOW-GWA-43R	92679665005	92679665	7/25/2023
BOW-GWA-39Z	92679665006	92679665	7/26/2023
BOW-GWA-40	92679665007	92679665	7/26/2023
BOW-GWA-42	92679665008	92679665	7/26/2023
BOW-GWC-44	92679665009	92679665	7/26/2023
BOW-GWC-45	92679665010	92679665	7/26/2023
BOW-GWC-45R	92679665011	92679665	7/26/2023
BOW-GWC-46R	92679665012	92679665	7/26/2023
BOW-LF9-10-FD-01	92679665013	92679665	7/25/2023
BOW-LF9-10-FB-01	92679665014	92679665	7/25/2023
BOW-LF9-10-EB-01	92679665015	92679665	7/25/2023
BOW-GWC-48	92679665016	92679665	7/26/2023
BOW-LF9-10-FB-02	92679665017	92679665	7/26/2023
BOW-GWC-47	92679665018	92679665	7/27/2023
BOW-GWC-47R	92679665019	92679665	7/27/2023
BOW-GWC-49R	92679665020	92679665	7/27/2023
BOW-GWC-49Z	92679665021	92679665	7/27/2023
BOW-LF9-10-FD-02	92679665022	92679665	7/27/2023
BOW-LF9-10-FB-03	92679665023	92679665	7/27/2023

SDG – sample delivery group (lab report ID)

Stantec
 Georgia Power – Bowen (Cells 9 & 10)
 Analytical Report Nos. 92679665
 August 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Reason Code	Reason for Qualification
BOW-GWA-39RZ	Potassium	J / BLL, BFL	Detected in MB & FB
BOW-GWA-41	Potassium	J / BLL, BFL	Detected in MB & FB
BOW-LF9-10-FD-01	Potassium	J / BLL	Detected in MB
BOW-GWA-41R	Potassium	J / BLL, BFL	Detected in MB & FB
BOW-GWA-43	Potassium	J / BLL, BFL	Detected in MB & FB
BOW-GWA-43R	Potassium	J / BLL, BFL	Detected in MB & FB
BOW-GWA-39Z	Potassium	J / BLL	Detected in MB
BOW-GWA-40	Potassium	J / BLL	Detected in MB
BOW-GWA-42	Potassium	J / BLL	Detected in MB
BOW-GWC-44	Potassium	J / BLL	Detected in MB
BOW-GWC-45	Potassium	J / BLL	Detected in MB
BOW-GWC-45R	Potassium	J / BLL	Detected in MB
BOW-GWC-48	Potassium	J / BLL	Detected in MB
BOW-GWC-44	Arsenic	J / BFL	Detected in FB
BOW-GWC-44	Vanadium	J / BFL	Detected in FB
BOW-GWC-45	Arsenic	J / BFL	Detected in FB
BOW-GWC-45	Vanadium	J / BFL	Detected in FB
BOW-GWC-48	Vanadium	J / BFL	Detected in FB
BOW-GWC-47R	Arsenic	J / BFL	Detected in FB
BOW-GWC-49Z	Arsenic	J / BFL	Detected in FB
BOW-LF9-10-FD-01	Arsenic	J / BFL	Detected in FB
BOW-GWC-47	Beryllium	J / MS1	High MS/MSD %R

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (Cells 9 & 10)
 Analytical Report Nos. 92679665
 August 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWA-41R / BOW-LF9-10-FD-01	Iron	0.35	0.30	NC	A*
	Manganese	0.42	0.42	NC	A*
	Potassium	1.8	1.6	NC	A*
	Sodium	1.1	1.2	NC	A*
	Calcium	36.7	38.5	4.8%	A
	Magnesium	19.1	19.7	3.1%	A
	Arsenic	ND	0.0040 J	NC	A*
	Antimony	0.0021 J	ND	NC	A*
	Barium	0.023	0.022	NC	A*
	Boron	0.011 J	0.011 J	NC	A*
	Cobalt	0.00053 J	0.00047 J	NC	A*
	TDS	162	163	0.6%	A
	Bicarb Alkalinity	172	174	1.2%	A
	Total Alkalinity	172	174	1.2%	A
	Chloride	1.3	1.3	NC	A*
	Sulfate	3.0	3.0	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 9 & 10)
 Analytical Report Nos. 92679665
 August 2023

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-49R / BOW-LF9-10-FD-02	Sodium	1.5	1.4	NC	A*
	Potassium	0.70	0.63	NC	A*
	Calcium	21.8	22	1.0%	A
	Magnesium	11.6	11.7	0.9%	A
	Antimony	0.0017 J	0.0016 J	NC	A*
	Barium	0.011	0.011	NC	A*
	TDS	117	114	NC	A*
	Bicarb Alkalinity	126	127	0.8%	A
	Total Alkalinity	126	127	0.8%	A
	Chloride	1.1	1.1	NC	A*
	Sulfate	2.3	2.3	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified



July 11, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 5&8 Background
Pace Project No.: 92674084

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between June 22, 2023 and June 29, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Brian Steele, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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**SAMPLE SUMMARY**

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92674084001	BOW-GWC-26	Water	06/20/23 11:10	06/22/23 12:35
92674084002	BOW-GWC-28	Water	06/20/23 12:27	06/22/23 12:35
92674084003	BOW-GWA-33R	Water	06/21/23 12:48	06/22/23 12:35
92674084004	BOW-GWA-57	Water	06/21/23 10:42	06/22/23 12:35
92674084005	BOW-GWA-34	Water	06/21/23 12:30	06/22/23 12:35
92674084006	BOW-GWA-34R	Water	06/21/23 15:15	06/22/23 12:35
92674084007	BOW-LF5-8-FB-02	Water	06/21/23 16:30	06/22/23 12:35
92674084008	BOW-LF5-8-EB-02	Water	06/21/23 16:35	06/22/23 12:35
92674084009	BOW-LF5-8-FD-01	Water	06/20/23 00:00	06/22/23 12:35
92674084010	BOW-LF5-8-FB-01	Water	06/20/23 14:20	06/22/23 12:35
92674084011	BOW-LF5-8-EB-01	Water	06/20/23 14:25	06/22/23 12:35
92674478001	BOW-GWC-27	Water	06/23/23 10:30	06/26/23 12:25
92674478002	BOW-GWC-27R	Water	06/23/23 13:42	06/26/23 12:25
92674478003	BOW-GWC-31	Water	06/23/23 11:50	06/26/23 12:25
92674478004	BOW-GWC-31R	Water	06/23/23 10:13	06/26/23 12:25
92674478005	BOW-LF5-8-FB-03	Water	06/23/23 14:24	06/26/23 12:25
92674478006	BOW-LF5-8-EB-03	Water	06/23/23 14:30	06/26/23 12:25
92674084018	BOW-LF5-8-FB-05	Water	06/27/23 18:45	06/29/23 09:55
92674084019	BOW-LF5-8-EB-05	Water	06/27/23 18:50	06/29/23 09:55
92674084020	BOW-GWC-29R	Water	06/27/23 17:53	06/29/23 09:55
92674084021	BOW-GWC-30	Water	06/27/23 09:50	06/29/23 09:55
92674084022	BOW-GWC-35	Water	06/28/23 10:59	06/29/23 09:55
92674084023	BOW-LF5-8-FB-06	Water	06/28/23 12:25	06/29/23 09:55
92674084024	BOW-GWC-29	Water	06/26/23 13:13	06/29/23 09:55
92674084025	BOW-GWC-32	Water	06/26/23 14:40	06/29/23 09:55
92674084026	BOW-LF5-8-FD-02	Water	06/26/23 00:00	06/29/23 09:55
92674084027	BOW-LF5-8-FB-04	Water	06/26/23 15:35	06/29/23 09:55
92674084028	BOW-LF5-8-EB-04	Water	06/26/23 15:45	06/29/23 09:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92674084001	BOW-GWC-26	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084002	BOW-GWC-28	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084003	BOW-GWA-33R	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084004	BOW-GWA-57	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084005	BOW-GWA-34	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084006	BOW-GWA-34R	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084007	BOW-LF5-8-FB-02	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084008	BOW-LF5-8-EB-02	EPA 6010D	MS	2
		EPA 6020B	CW1	17

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92674084009	BOW-LF5-8-FD-01	EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
92674084010	BOW-LF5-8-FB-01	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
92674084011	BOW-LF5-8-EB-01	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	MT1	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674478001	BOW-GWC-27	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
92674478002	BOW-GWC-27R	EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
92674478003	BOW-GWC-31	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
92674478004	BOW-GWC-31R	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92674478005	BOW-LF5-8-FB-03	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674478006	BOW-LF5-8-EB-03	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084018	BOW-LF5-8-FB-05	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084019	BOW-LF5-8-EB-05	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084020	BOW-GWC-29R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084021	BOW-GWC-30	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084022	BOW-GWC-35	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084023	BOW-LF5-8-FB-06	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92674084024	BOW-GWC-29	EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
92674084025	BOW-GWC-32	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92674084026	BOW-LF5-8-FD-02	EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
92674084027	BOW-LF5-8-FB-04	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92674084028	BOW-LF5-8-EB-04	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	2
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		EPA 6020B	CW1	17
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92674084001	BOW-GWC-26					
	Performed by	CUSTOME			06/22/23 16:24	
		R				
	pH	7.34	Std. Units		06/22/23 16:24	
EPA 6010D	Calcium	43.7	mg/L	1.0	06/30/23 14:40	M1
EPA 6020B	Barium	0.019	mg/L	0.0050	06/29/23 14:38	
EPA 6020B	Boron	0.023J	mg/L	0.040	06/29/23 14:38	
EPA 6020B	Lithium	0.00083J	mg/L	0.030	06/29/23 14:38	
EPA 6020B	Molybdenum	0.0032J	mg/L	0.010	06/29/23 14:38	
EPA 6020B	Thallium	0.00018J	mg/L	0.0010	06/29/23 14:38	
SM 2540C-2015	Total Dissolved Solids	205	mg/L	25.0	06/27/23 11:57	
EPA 300.0 Rev 2.1 1993	Chloride	6.5	mg/L	1.0	06/23/23 18:51	
EPA 300.0 Rev 2.1 1993	Sulfate	22.9	mg/L	1.0	06/23/23 18:51	
92674084002	BOW-GWC-28					
	Performed by	CUSTOME			06/22/23 16:24	
		R				
	pH	7.48	Std. Units		06/22/23 16:24	
EPA 6010D	Calcium	38.4	mg/L	1.0	06/30/23 15:00	
EPA 6020B	Antimony	0.0023J	mg/L	0.0030	06/29/23 15:02	
EPA 6020B	Barium	0.013	mg/L	0.0050	06/29/23 15:02	
EPA 6020B	Boron	0.010J	mg/L	0.040	06/29/23 15:02	
EPA 6020B	Lithium	0.00076J	mg/L	0.030	06/29/23 15:02	
EPA 6020B	Molybdenum	0.029	mg/L	0.010	06/29/23 15:02	
SM 2540C-2015	Total Dissolved Solids	175	mg/L	25.0	06/27/23 11:57	
EPA 300.0 Rev 2.1 1993	Chloride	3.8	mg/L	1.0	06/23/23 19:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.071J	mg/L	0.10	06/23/23 19:04	
EPA 300.0 Rev 2.1 1993	Sulfate	9.2	mg/L	1.0	06/23/23 19:04	
92674084003	BOW-GWA-33R					
	Performed by	CUSTOME			06/22/23 16:25	
		R				
	pH	7.55	Std. Units		06/22/23 16:25	
EPA 6010D	Calcium	30.5	mg/L	1.0	06/30/23 15:05	
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	06/29/23 15:08	
EPA 6020B	Barium	0.0019J	mg/L	0.0050	06/29/23 15:08	
EPA 6020B	Lead	0.00013J	mg/L	0.0010	06/29/23 15:08	
EPA 6020B	Molybdenum	0.0015J	mg/L	0.010	06/29/23 15:08	
SM 2540C-2015	Total Dissolved Solids	130	mg/L	25.0	06/27/23 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	06/23/23 19:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	06/23/23 19:18	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	06/23/23 19:18	
92674084004	BOW-GWA-57					
	Performed by	CUSTOME			06/22/23 16:26	
		R				
	pH	7.55	Std. Units		06/22/23 16:26	
EPA 6010D	Calcium	37.1	mg/L	1.0	06/30/23 16:04	
EPA 6020B	Barium	0.014	mg/L	0.0050	06/29/23 15:14	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	06/29/23 15:14	
EPA 6020B	Molybdenum	0.0014J	mg/L	0.010	06/29/23 15:14	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674084004	BOW-GWA-57					
EPA 6020B	Nickel	0.00094J	mg/L	0.0050	06/29/23 15:14	
SM 2540C-2015	Total Dissolved Solids	170	mg/L	25.0	06/27/23 12:01	
EPA 300.0 Rev 2.1 1993	Chloride	3.9	mg/L	1.0	06/23/23 19:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	06/23/23 19:32	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	06/23/23 19:32	
92674084005	BOW-GWA-34					
	Performed by	CUSTOMER			06/22/23 16:26	
	pH	6.02	Std. Units		06/22/23 16:26	
EPA 6010D	Zinc	0.0092J	mg/L	0.020	06/30/23 16:09	
EPA 6010D	Calcium	18.6	mg/L	1.0	06/30/23 16:09	
EPA 6020B	Barium	0.023	mg/L	0.0050	06/29/23 15:20	
EPA 6020B	Cobalt	0.013	mg/L	0.0050	06/29/23 15:20	
EPA 6020B	Lithium	0.0021J	mg/L	0.030	06/29/23 15:20	
EPA 6020B	Nickel	0.0067	mg/L	0.0050	06/29/23 15:20	
SM 2540C-2015	Total Dissolved Solids	117	mg/L	25.0	06/27/23 12:02	
EPA 300.0 Rev 2.1 1993	Chloride	4.8	mg/L	1.0	06/24/23 00:22	
EPA 300.0 Rev 2.1 1993	Sulfate	0.89J	mg/L	1.0	06/24/23 00:22	
92674084006	BOW-GWA-34R					
	Performed by	CUSTOMER			06/22/23 16:26	
	pH	6.68	Std. Units		06/22/23 16:26	
EPA 6010D	Calcium	43.7	mg/L	1.0	06/30/23 16:14	
EPA 6020B	Barium	0.016	mg/L	0.0050	06/29/23 15:44	
EPA 6020B	Cobalt	0.0022J	mg/L	0.0050	06/29/23 15:44	
EPA 6020B	Lithium	0.0012J	mg/L	0.030	06/29/23 15:44	
EPA 6020B	Nickel	0.0012J	mg/L	0.0050	06/29/23 15:44	
SM 2540C-2015	Total Dissolved Solids	200	mg/L	25.0	06/27/23 12:04	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	06/24/23 01:03	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	06/24/23 01:03	
92674084007	BOW-LF5-8-FB-02					
EPA 6010D	Calcium	0.92J	mg/L	1.0	06/30/23 16:19	
92674084008	BOW-LF5-8-EB-02					
EPA 6010D	Zinc	0.028	mg/L	0.020	06/30/23 16:24	
92674084009	BOW-LF5-8-FD-01					
EPA 6010D	Calcium	44.3	mg/L	1.0	06/30/23 16:28	
EPA 6020B	Barium	0.018	mg/L	0.0050	06/29/23 16:02	
EPA 6020B	Boron	0.016J	mg/L	0.040	06/29/23 16:02	
EPA 6020B	Molybdenum	0.0026J	mg/L	0.010	06/29/23 16:02	
SM 2540C-2015	Total Dissolved Solids	212	mg/L	25.0	06/27/23 11:58	
EPA 300.0 Rev 2.1 1993	Chloride	6.8	mg/L	1.0	06/24/23 01:45	
EPA 300.0 Rev 2.1 1993	Sulfate	23.4	mg/L	1.0	06/24/23 01:45	
92674084010	BOW-LF5-8-FB-01					
EPA 6010D	Calcium	0.32J	mg/L	1.0	06/30/23 16:33	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92674084011	BOW-LF5-8-EB-01					
EPA 6010D	Zinc	0.021	mg/L	0.020	06/30/23 16:38	
EPA 6010D	Calcium	0.94J	mg/L	1.0	06/30/23 16:38	
92674478001	BOW-GWC-27					
	Performed by	CUSTOME			06/27/23 09:06	
		R				
	pH	7.46	Std. Units		06/27/23 09:06	
EPA 6010D	Calcium	35.1	mg/L	1.0	07/01/23 05:41	M1
EPA 6020B	Barium	0.015	mg/L	0.0050	07/03/23 15:03	
EPA 6020B	Lithium	0.00076J	mg/L	0.030	07/03/23 15:03	
EPA 6020B	Molybdenum	0.0018J	mg/L	0.010	07/03/23 15:03	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	25.0	06/28/23 12:09	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	06/27/23 15:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.10	06/27/23 15:16	
EPA 300.0 Rev 2.1 1993	Sulfate	16.6	mg/L	1.0	06/27/23 15:16	
92674478002	BOW-GWC-27R					
	Performed by	CUSTOME			06/27/23 09:06	
		R				
	pH	7.44	Std. Units		06/27/23 09:06	
EPA 6010D	Calcium	31.0	mg/L	1.0	07/01/23 06:01	
EPA 6020B	Antimony	0.0029J	mg/L	0.0030	07/03/23 15:27	
EPA 6020B	Barium	0.012	mg/L	0.0050	07/03/23 15:27	
EPA 6020B	Lithium	0.0010J	mg/L	0.030	07/03/23 15:27	
EPA 6020B	Molybdenum	0.0079J	mg/L	0.010	07/03/23 15:27	
SM 2540C-2015	Total Dissolved Solids	164	mg/L	25.0	06/28/23 12:09	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	06/27/23 15:32	
EPA 300.0 Rev 2.1 1993	Fluoride	0.087J	mg/L	0.10	06/27/23 15:32	
EPA 300.0 Rev 2.1 1993	Sulfate	6.5	mg/L	1.0	06/27/23 15:32	
92674478003	BOW-GWC-31					
	Performed by	CUSTOME			06/27/23 09:07	
		R				
	pH	7.31	Std. Units		06/27/23 09:07	
EPA 6010D	Calcium	28.7	mg/L	1.0	07/01/23 06:06	
EPA 6020B	Arsenic	0.0047J	mg/L	0.0050	07/03/23 15:33	
EPA 6020B	Barium	0.048	mg/L	0.0050	07/03/23 15:33	
EPA 6020B	Cobalt	0.00074J	mg/L	0.0050	07/03/23 15:33	
EPA 6020B	Lithium	0.0039J	mg/L	0.030	07/03/23 15:33	
EPA 6020B	Molybdenum	0.016	mg/L	0.010	07/03/23 15:33	
SM 2540C-2015	Total Dissolved Solids	165	mg/L	25.0	06/28/23 12:09	
EPA 300.0 Rev 2.1 1993	Chloride	5.3	mg/L	1.0	06/27/23 15:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	06/27/23 15:48	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	06/27/23 15:48	
92674478004	BOW-GWC-31R					
	Performed by	CUSTOME			06/27/23 09:07	
		R				
	pH	7.10	Std. Units		06/27/23 09:07	
EPA 6010D	Calcium	35.9	mg/L	1.0	07/01/23 06:10	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92674478004	BOW-GWC-31R					
EPA 6020B	Barium	0.019	mg/L	0.0050	07/03/23 15:39	
EPA 6020B	Molybdenum	0.0026J	mg/L	0.010	07/03/23 15:39	
SM 2540C-2015	Total Dissolved Solids	178	mg/L	25.0	06/28/23 12:09	
EPA 300.0 Rev 2.1 1993	Chloride	3.7	mg/L	1.0	06/27/23 16:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.059J	mg/L	0.10	06/27/23 16:36	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	06/27/23 16:36	
92674084018	BOW-LF5-8-FB-05					
SM 2540C-2015	Total Dissolved Solids	28.0	mg/L	25.0	07/03/23 16:27	
92674084020	BOW-GWC-29R					
	Performed by	CUSTOMER			07/06/23 14:21	
	pH	7.29	Std. Units		07/06/23 14:21	
EPA 6010D	Calcium	27.1	mg/L	1.0	07/01/23 18:41	M1
EPA 6020B	Antimony	0.0016J	mg/L	0.0030	07/05/23 18:30	
EPA 6020B	Barium	0.012	mg/L	0.0050	07/05/23 18:30	
EPA 6020B	Molybdenum	0.020	mg/L	0.010	07/05/23 18:30	
EPA 6020B	Selenium	0.0014J	mg/L	0.0050	07/05/23 18:30	
SM 2540C-2015	Total Dissolved Solids	172	mg/L	25.0	07/03/23 16:27	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	06/30/23 15:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	06/30/23 15:38	
EPA 300.0 Rev 2.1 1993	Sulfate	8.2	mg/L	1.0	06/30/23 15:38	
92674084021	BOW-GWC-30					
	Performed by	CUSTOMER			07/06/23 14:21	
	pH	7.17	Std. Units		07/06/23 14:21	
EPA 6010D	Calcium	29.0	mg/L	1.0	07/01/23 19:01	
EPA 6020B	Barium	0.015	mg/L	0.0050	07/05/23 18:36	
EPA 6020B	Molybdenum	0.010	mg/L	0.010	07/05/23 18:36	
SM 2540C-2015	Total Dissolved Solids	204	mg/L	25.0	07/03/23 16:28	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	06/30/23 15:53	
EPA 300.0 Rev 2.1 1993	Sulfate	3.5	mg/L	1.0	06/30/23 15:53	
92674084022	BOW-GWC-35					
	Performed by	CUSTOMER			07/06/23 14:21	
	pH	7.40	Std. Units		07/06/23 14:21	
EPA 6010D	Calcium	50.7	mg/L	1.0	07/01/23 19:06	
EPA 6020B	Barium	0.019	mg/L	0.0050	07/05/23 18:42	
EPA 6020B	Boron	0.010J	mg/L	0.040	07/05/23 18:42	
EPA 6020B	Molybdenum	0.0014J	mg/L	0.010	07/05/23 18:42	
SM 2540C-2015	Total Dissolved Solids	249	mg/L	25.0	07/03/23 18:08	
EPA 300.0 Rev 2.1 1993	Chloride	3.9	mg/L	1.0	06/30/23 16:08	
EPA 300.0 Rev 2.1 1993	Sulfate	5.1	mg/L	1.0	06/30/23 16:08	
92674084023	BOW-LF5-8-FB-06					
SM 2540C-2015	Total Dissolved Solids	36.0	mg/L	25.0	07/03/23 18:08	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92674084024	BOW-GWC-29					
	Performed by	CUSTOME			07/06/23 14:22	
		R				
	pH	7.67	Std. Units		07/06/23 14:22	
EPA 6010D	Calcium	23.1	mg/L	1.0	07/01/23 19:15	
EPA 6020B	Barium	0.029	mg/L	0.0050	07/05/23 19:06	
EPA 6020B	Cobalt	0.00053J	mg/L	0.0050	07/05/23 19:06	
EPA 6020B	Lithium	0.0032J	mg/L	0.030	07/05/23 19:06	
EPA 6020B	Molybdenum	0.013	mg/L	0.010	07/05/23 19:06	
EPA 6020B	Thallium	0.00023J	mg/L	0.0010	07/05/23 19:06	
SM 2540C-2015	Total Dissolved Solids	155	mg/L	25.0	07/03/23 16:25	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	06/30/23 17:07	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	06/30/23 17:07	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	06/30/23 17:07	
92674084025	BOW-GWC-32					
	Performed by	CUSTOME			07/06/23 14:23	
		R				
	pH	6.86	Std. Units		07/06/23 14:23	
EPA 6010D	Calcium	41.2	mg/L	1.0	07/01/23 19:20	
EPA 6020B	Barium	0.016	mg/L	0.0050	07/05/23 19:12	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	07/05/23 19:12	
EPA 6020B	Lithium	0.0055J	mg/L	0.030	07/05/23 19:12	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	07/05/23 19:12	
SM 2540C-2015	Total Dissolved Solids	228	mg/L	25.0	07/03/23 16:25	
EPA 300.0 Rev 2.1 1993	Chloride	4.4	mg/L	1.0	06/30/23 17:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.075J	mg/L	0.10	06/30/23 17:22	
EPA 300.0 Rev 2.1 1993	Sulfate	6.4	mg/L	1.0	06/30/23 17:22	
92674084026	BOW-LF5-8-FD-02					
EPA 6010D	Calcium	21.8	mg/L	1.0	07/01/23 19:35	
EPA 6020B	Barium	0.027	mg/L	0.0050	07/05/23 19:18	
EPA 6020B	Cobalt	0.00048J	mg/L	0.0050	07/05/23 19:18	
EPA 6020B	Lithium	0.0030J	mg/L	0.030	07/05/23 19:18	
EPA 6020B	Molybdenum	0.012	mg/L	0.010	07/05/23 19:18	
EPA 6020B	Thallium	0.00023J	mg/L	0.0010	07/05/23 19:18	
SM 2540C-2015	Total Dissolved Solids	140	mg/L	25.0	07/03/23 16:26	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	06/30/23 17:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	06/30/23 17:37	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	06/30/23 17:37	
92674084028	BOW-LF5-8-EB-04					
SM 2540C-2015	Total Dissolved Solids	35.0	mg/L	25.0	07/03/23 16:26	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-26 **Lab ID: 92674084001** Collected: 06/20/23 11:10 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/22/23 16:24

pH **7.34** Std. Units 1 06/22/23 16:24

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium **43.7** mg/L 1.0 0.12 1 06/24/23 12:05 06/30/23 14:40 7440-70-2 M1
Zinc **ND** mg/L 0.020 0.0085 1 06/24/23 12:05 06/30/23 14:40 7440-66-6

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 14:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 14:38	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 14:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 14:38	7440-41-7	
Boron	0.023J	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 14:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 14:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 14:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 14:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 14:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 14:38	7439-92-1	
Lithium	0.00083J	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 14:38	7439-93-2	
Molybdenum	0.0032J	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 14:38	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 14:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 14:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 14:38	7440-22-4	
Thallium	0.00018J	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 14:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 14:38	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury **ND** mg/L 0.00020 0.00013 1 06/27/23 07:15 06/27/23 13:56 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **205** mg/L 25.0 25.0 1 06/27/23 11:57

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	6.5	mg/L	1.0	0.60	1	06/23/23 18:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1	06/23/23 18:51	16984-48-8	
Sulfate	22.9	mg/L	1.0	0.50	1	06/23/23 18:51	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-28 Lab ID: 92674084002 Collected: 06/20/23 12:27 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/22/23 16:24

pH **7.48** Std. Units 1 06/22/23 16:24

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 06/24/23 12:05 06/30/23 15:00 7440-66-6
Calcium **38.4** mg/L 1.0 0.12 1 06/24/23 12:05 06/30/23 15:00 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0023J	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 15:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 15:02	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 15:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 15:02	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 15:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 15:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 15:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 15:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 15:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 15:02	7439-92-1	
Lithium	0.00076J	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 15:02	7439-93-2	
Molybdenum	0.029	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 15:02	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 15:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 15:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 15:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 15:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 15:02	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/27/23 07:15 06/27/23 13:58 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **175** mg/L 25.0 25.0 1 06/27/23 11:57

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.8	mg/L	1.0	0.60	1	06/23/23 19:04	16887-00-6		
Fluoride	0.071J	mg/L	0.10	0.050	1	06/23/23 19:04	16984-48-8		
Sulfate	9.2	mg/L	1.0	0.50	1	06/23/23 19:04	14808-79-8		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWA-33R Lab ID: 92674084003 Collected: 06/21/23 12:48 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/22/23 16:25

pH **7.55** Std. Units 1 06/22/23 16:25

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 06/24/23 12:05 06/30/23 15:05 7440-66-6
Calcium **30.5** mg/L 1.0 0.12 1 06/24/23 12:05 06/30/23 15:05 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0013J	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 15:08	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 15:08	7440-38-2
Barium	0.0019J	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 15:08	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 15:08	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 15:08	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 15:08	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 15:08	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 15:08	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 15:08	7440-50-8
Lead	0.00013J	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 15:08	7439-92-1
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 15:08	7439-93-2
Molybdenum	0.0015J	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 15:08	7439-98-7
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 15:08	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 15:08	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 15:08	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 15:08	7440-28-0
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 15:08	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/27/23 07:15 06/27/23 14:01 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **130** mg/L 25.0 25.0 1 06/27/23 12:01

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.2	mg/L	1.0	0.60	1	06/23/23 19:18	16887-00-6
Fluoride	0.054J	mg/L	0.10	0.050	1	06/23/23 19:18	16984-48-8
Sulfate	1.9	mg/L	1.0	0.50	1	06/23/23 19:18	14808-79-8

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWA-57 Lab ID: 92674084004 Collected: 06/21/23 10:42 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/22/23 16:26

pH **7.55** Std. Units 1 06/22/23 16:26

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 06/24/23 12:05 06/30/23 16:04 7440-66-6
Calcium **37.1** mg/L 1.0 0.12 1 06/24/23 12:05 06/30/23 16:04 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 15:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 15:14	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 15:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 15:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 15:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 15:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 15:14	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 15:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 15:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 15:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 15:14	7439-93-2	
Molybdenum	0.0014J	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 15:14	7439-98-7	
Nickel	0.00094J	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 15:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 15:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 15:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 15:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 15:14	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/27/23 07:15 06/27/23 14:04 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **170** mg/L 25.0 25.0 1 06/27/23 12:01

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.9	mg/L	1.0	0.60	1	06/23/23 19:32	16887-00-6	
Fluoride	0.063J	mg/L	0.10	0.050	1	06/23/23 19:32	16984-48-8	
Sulfate	1.9	mg/L	1.0	0.50	1	06/23/23 19:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWA-34 Lab ID: 92674084005 Collected: 06/21/23 12:30 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/22/23 16:26

pH **6.02** Std. Units 1 06/22/23 16:26

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc **0.0092J** mg/L 0.020 0.0085 1 06/24/23 12:05 06/30/23 16:09 7440-66-6

Calcium **18.6** mg/L 1.0 0.12 1 06/24/23 12:05 06/30/23 16:09 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony ND mg/L 0.0030 0.0012 1 06/26/23 12:16 06/29/23 15:20 7440-36-0

Arsenic ND mg/L 0.0050 0.0037 1 06/26/23 12:16 06/29/23 15:20 7440-38-2

Barium **0.023** mg/L 0.0050 0.00067 1 06/26/23 12:16 06/29/23 15:20 7440-39-3

Beryllium ND mg/L 0.00050 0.000054 1 06/26/23 12:16 06/29/23 15:20 7440-41-7

Boron ND mg/L 0.040 0.0086 1 06/26/23 12:16 06/29/23 15:20 7440-42-8

Cadmium ND mg/L 0.00050 0.00011 1 06/26/23 12:16 06/29/23 15:20 7440-43-9

Chromium ND mg/L 0.0050 0.0011 1 06/26/23 12:16 06/29/23 15:20 7440-47-3

Cobalt **0.013** mg/L 0.0050 0.00039 1 06/26/23 12:16 06/29/23 15:20 7440-48-4

Copper ND mg/L 0.0050 0.0010 1 06/26/23 12:16 06/29/23 15:20 7440-50-8

Lead ND mg/L 0.0010 0.00012 1 06/26/23 12:16 06/29/23 15:20 7439-92-1

Lithium **0.0021J** mg/L 0.030 0.00073 1 06/26/23 12:16 06/29/23 15:20 7439-93-2

Molybdenum ND mg/L 0.010 0.00074 1 06/26/23 12:16 06/29/23 15:20 7439-98-7

Nickel **0.0067** mg/L 0.0050 0.00071 1 06/26/23 12:16 06/29/23 15:20 7440-02-0

Selenium ND mg/L 0.0050 0.0014 1 06/26/23 12:16 06/29/23 15:20 7782-49-2

Silver ND mg/L 0.0050 0.00044 1 06/26/23 12:16 06/29/23 15:20 7440-22-4

Thallium ND mg/L 0.0010 0.00018 1 06/26/23 12:16 06/29/23 15:20 7440-28-0

Vanadium ND mg/L 0.010 0.0025 1 06/26/23 12:16 06/29/23 15:20 7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/27/23 07:15 06/27/23 14:06 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **117** mg/L 25.0 25.0 1 06/27/23 12:02

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride **4.8** mg/L 1.0 0.60 1 06/24/23 00:22 16887-00-6

Fluoride ND mg/L 0.10 0.050 1 06/24/23 00:22 16984-48-8

Sulfate **0.89J** mg/L 1.0 0.50 1 06/24/23 00:22 14808-79-8

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWA-34R Lab ID: 92674084006 Collected: 06/21/23 15:15 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/22/23 16:26

pH **6.68** Std. Units 1 06/22/23 16:26

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 06/24/23 12:05 06/30/23 16:14 7440-66-6
Calcium **43.7** mg/L 1.0 0.12 1 06/24/23 12:05 06/30/23 16:14 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 15:44	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 15:44	7440-38-2
Barium	0.016	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 15:44	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 15:44	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 15:44	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 15:44	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 15:44	7440-47-3
Cobalt	0.0022J	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 15:44	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 15:44	7440-50-8
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 15:44	7439-92-1
Lithium	0.0012J	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 15:44	7439-93-2
Molybdenum	ND	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 15:44	7439-98-7
Nickel	0.0012J	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 15:44	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 15:44	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 15:44	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 15:44	7440-28-0
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 15:44	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/27/23 07:15 06/27/23 14:09 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **200** mg/L 25.0 25.0 1 06/27/23 12:04

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	5.0	mg/L	1.0	0.60	1	06/24/23 01:03	16887-00-6
Fluoride	ND	mg/L	0.10	0.050	1	06/24/23 01:03	16984-48-8
Sulfate	1.0	mg/L	1.0	0.50	1	06/24/23 01:03	14808-79-8

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FB-02 Lab ID: 92674084007 Collected: 06/21/23 16:30 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/24/23 12:05	06/30/23 16:19	7440-66-6	
Calcium	0.92J	mg/L	1.0	0.12	1	06/24/23 12:05	06/30/23 16:19	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 15:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 15:50	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 15:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 15:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 15:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 15:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 15:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 15:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 15:50	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 15:50	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 15:50	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 15:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 15:50	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/27/23 07:15	06/27/23 14:11	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/27/23 12:04		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/24/23 01:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/24/23 01:17	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/24/23 01:17	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-EB-02 Lab ID: 92674084008 Collected: 06/21/23 16:35 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.028	mg/L	0.020	0.0085	1	06/24/23 12:05	06/30/23 16:24	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	06/24/23 12:05	06/30/23 16:24	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 15:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 15:56	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 15:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 15:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 15:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 15:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 15:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 15:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 15:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 15:56	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 15:56	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 15:56	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 15:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 15:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 15:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 15:56	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/27/23 07:15	06/27/23 14:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/27/23 12:04		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/24/23 01:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/24/23 01:31	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/24/23 01:31	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FD-01 Lab ID: 92674084009 Collected: 06/20/23 00:00 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/24/23 12:05	06/30/23 16:28	7440-66-6	
Calcium	44.3	mg/L	1.0	0.12	1	06/24/23 12:05	06/30/23 16:28	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 16:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 16:02	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 16:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 16:02	7440-41-7	
Boron	0.016J	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 16:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 16:02	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 16:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 16:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 16:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 16:02	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 16:02	7439-93-2	
Molybdenum	0.0026J	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 16:02	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 16:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 16:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 16:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 16:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 16:02	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/27/23 07:15	06/27/23 14:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	212	mg/L	25.0	25.0	1		06/27/23 11:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.8	mg/L	1.0	0.60	1		06/24/23 01:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/24/23 01:45	16984-48-8	
Sulfate	23.4	mg/L	1.0	0.50	1		06/24/23 01:45	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FB-01 **Lab ID: 92674084010** Collected: 06/20/23 14:20 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/24/23 12:05	06/30/23 16:33	7440-66-6	
Calcium	0.32J	mg/L	1.0	0.12	1	06/24/23 12:05	06/30/23 16:33	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 16:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 16:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 16:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 16:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 16:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 16:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 16:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 16:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 16:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 16:08	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 16:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 16:08	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 16:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 16:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 16:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 16:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 16:08	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/27/23 07:15	06/27/23 14:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/27/23 11:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/24/23 01:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/24/23 01:59	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/24/23 01:59	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-EB-01 Lab ID: 92674084011 Collected: 06/20/23 14:25 Received: 06/22/23 12:35 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.021	mg/L	0.020	0.0085	1	06/24/23 12:05	06/30/23 16:38	7440-66-6	
Calcium	0.94J	mg/L	1.0	0.12	1	06/24/23 12:05	06/30/23 16:38	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	06/26/23 12:16	06/29/23 16:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	06/26/23 12:16	06/29/23 16:14	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	06/26/23 12:16	06/29/23 16:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	06/26/23 12:16	06/29/23 16:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	06/26/23 12:16	06/29/23 16:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	06/26/23 12:16	06/29/23 16:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	06/26/23 12:16	06/29/23 16:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	06/26/23 12:16	06/29/23 16:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	06/26/23 12:16	06/29/23 16:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	06/26/23 12:16	06/29/23 16:14	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	06/26/23 12:16	06/29/23 16:14	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	06/26/23 12:16	06/29/23 16:14	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	06/26/23 12:16	06/29/23 16:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	06/26/23 12:16	06/29/23 16:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	06/26/23 12:16	06/29/23 16:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	06/26/23 12:16	06/29/23 16:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	06/26/23 12:16	06/29/23 16:14	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/27/23 07:15	06/27/23 14:27	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/27/23 11:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/24/23 02:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/24/23 02:40	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/24/23 02:40	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-27 Lab ID: 92674478001 Collected: 06/23/23 10:30 Received: 06/26/23 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/27/23 09:06

pH **7.46** Std. Units 1 06/27/23 09:06

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	06/27/23 10:37	07/01/23 05:41	7440-66-6	
Calcium	35.1	mg/L	1.0	0.12	1	06/27/23 10:37	07/01/23 05:41	7440-70-2	M1

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:23	07/03/23 15:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:23	07/03/23 15:03	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	07/01/23 11:23	07/03/23 15:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:23	07/03/23 15:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:23	07/03/23 15:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:23	07/03/23 15:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:23	07/03/23 15:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:23	07/03/23 15:03	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:23	07/03/23 15:03	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:23	07/03/23 15:03	7439-92-1	
Lithium	0.00076J	mg/L	0.030	0.00073	1	07/01/23 11:23	07/03/23 15:03	7439-93-2	
Molybdenum	0.0018J	mg/L	0.010	0.00074	1	07/01/23 11:23	07/03/23 15:03	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:23	07/03/23 15:03	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:23	07/03/23 15:03	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:23	07/03/23 15:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:23	07/03/23 15:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:23	07/03/23 15:03	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/29/23 10:00 06/29/23 14:05 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **197** mg/L 25.0 25.0 1 06/28/23 12:09

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.9	mg/L	1.0	0.60	1	06/27/23 15:16	16887-00-6
Fluoride	0.054J	mg/L	0.10	0.050	1	06/27/23 15:16	16984-48-8
Sulfate	16.6	mg/L	1.0	0.50	1	06/27/23 15:16	14808-79-8

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-27R		Lab ID: 92674478002		Collected: 06/23/23 13:42		Received: 06/26/23 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		06/27/23 09:06		
pH	7.44	Std. Units			1		06/27/23 09:06		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/27/23 10:37	07/01/23 06:01	7440-66-6	
Calcium	31.0	mg/L	1.0	0.12	1	06/27/23 10:37	07/01/23 06:01	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0029J	mg/L	0.0030	0.0012	1	07/01/23 11:23	07/03/23 15:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:23	07/03/23 15:27	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	07/01/23 11:23	07/03/23 15:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:23	07/03/23 15:27	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:23	07/03/23 15:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:23	07/03/23 15:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:23	07/03/23 15:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:23	07/03/23 15:27	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:23	07/03/23 15:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:23	07/03/23 15:27	7439-92-1	
Lithium	0.0010J	mg/L	0.030	0.00073	1	07/01/23 11:23	07/03/23 15:27	7439-93-2	
Molybdenum	0.0079J	mg/L	0.010	0.00074	1	07/01/23 11:23	07/03/23 15:27	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:23	07/03/23 15:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:23	07/03/23 15:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:23	07/03/23 15:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:23	07/03/23 15:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:23	07/03/23 15:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/29/23 10:00	06/29/23 14:08	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	164	mg/L	25.0	25.0	1		06/28/23 12:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		06/27/23 15:32	16887-00-6	
Fluoride	0.087J	mg/L	0.10	0.050	1		06/27/23 15:32	16984-48-8	
Sulfate	6.5	mg/L	1.0	0.50	1		06/27/23 15:32	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-31 Lab ID: 92674478003 Collected: 06/23/23 11:50 Received: 06/26/23 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 06/27/23 09:07

pH **7.31** Std. Units 1 06/27/23 09:07

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 06/27/23 10:37 07/01/23 06:06 7440-66-6
Calcium **28.7** mg/L 1.0 0.12 1 06/27/23 10:37 07/01/23 06:06 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:23	07/03/23 15:33	7440-36-0	
Arsenic	0.0047J	mg/L	0.0050	0.0037	1	07/01/23 11:23	07/03/23 15:33	7440-38-2	
Barium	0.048	mg/L	0.0050	0.00067	1	07/01/23 11:23	07/03/23 15:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:23	07/03/23 15:33	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:23	07/03/23 15:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:23	07/03/23 15:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:23	07/03/23 15:33	7440-47-3	
Cobalt	0.00074J	mg/L	0.0050	0.00039	1	07/01/23 11:23	07/03/23 15:33	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:23	07/03/23 15:33	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:23	07/03/23 15:33	7439-92-1	
Lithium	0.0039J	mg/L	0.030	0.00073	1	07/01/23 11:23	07/03/23 15:33	7439-93-2	
Molybdenum	0.016	mg/L	0.010	0.00074	1	07/01/23 11:23	07/03/23 15:33	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:23	07/03/23 15:33	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:23	07/03/23 15:33	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:23	07/03/23 15:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:23	07/03/23 15:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:23	07/03/23 15:33	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 06/29/23 10:00 06/29/23 14:20 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **165** mg/L 25.0 25.0 1 06/28/23 12:09

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	5.3	mg/L	1.0	0.60	1	06/27/23 15:48	16887-00-6	
Fluoride	0.17	mg/L	0.10	0.050	1	06/27/23 15:48	16984-48-8	
Sulfate	1.9	mg/L	1.0	0.50	1	06/27/23 15:48	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-31R Lab ID: 92674478004 Collected: 06/23/23 10:13 Received: 06/26/23 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		06/27/23 09:07		
pH	7.10	Std. Units			1		06/27/23 09:07		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/27/23 10:37	07/01/23 06:10	7440-66-6	
Calcium	35.9	mg/L	1.0	0.12	1	06/27/23 10:37	07/01/23 06:10	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:23	07/03/23 15:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:23	07/03/23 15:39	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	07/01/23 11:23	07/03/23 15:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:23	07/03/23 15:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:23	07/03/23 15:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:23	07/03/23 15:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:23	07/03/23 15:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:23	07/03/23 15:39	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:23	07/03/23 15:39	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:23	07/03/23 15:39	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:23	07/03/23 15:39	7439-93-2	
Molybdenum	0.0026J	mg/L	0.010	0.00074	1	07/01/23 11:23	07/03/23 15:39	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:23	07/03/23 15:39	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:23	07/03/23 15:39	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:23	07/03/23 15:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:23	07/03/23 15:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:23	07/03/23 15:39	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/29/23 10:00	06/29/23 14:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	178	mg/L	25.0	25.0	1		06/28/23 12:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.7	mg/L	1.0	0.60	1		06/27/23 16:36	16887-00-6	
Fluoride	0.059J	mg/L	0.10	0.050	1		06/27/23 16:36	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		06/27/23 16:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FB-03 Lab ID: 92674478005 Collected: 06/23/23 14:24 Received: 06/26/23 12:25 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/27/23 10:37	07/01/23 06:15	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	06/27/23 10:37	07/01/23 06:15	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:23	07/03/23 16:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:23	07/03/23 16:03	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:23	07/03/23 16:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:23	07/03/23 16:03	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:23	07/03/23 16:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:23	07/03/23 16:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:23	07/03/23 16:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:23	07/03/23 16:03	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:23	07/03/23 16:03	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:23	07/03/23 16:03	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:23	07/03/23 16:03	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:23	07/03/23 16:03	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:23	07/03/23 16:03	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:23	07/03/23 16:03	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:23	07/03/23 16:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:23	07/03/23 16:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:23	07/03/23 16:03	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/29/23 10:00	06/29/23 14:25	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/28/23 12:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/27/23 16:52	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/27/23 16:52	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/27/23 16:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-EB-03 **Lab ID: 92674478006** Collected: 06/23/23 14:30 Received: 06/26/23 12:25 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	06/27/23 10:37	07/01/23 06:30	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	06/27/23 10:37	07/01/23 06:30	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:23	07/03/23 16:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:23	07/03/23 16:09	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:23	07/03/23 16:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:23	07/03/23 16:09	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:23	07/03/23 16:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:23	07/03/23 16:09	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:23	07/03/23 16:09	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:23	07/03/23 16:09	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:23	07/03/23 16:09	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:23	07/03/23 16:09	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:23	07/03/23 16:09	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:23	07/03/23 16:09	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:23	07/03/23 16:09	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:23	07/03/23 16:09	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:23	07/03/23 16:09	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:23	07/03/23 16:09	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:23	07/03/23 16:09	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	06/29/23 10:00	06/29/23 14:28	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		06/28/23 12:09		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/27/23 17:08	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/27/23 17:08	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/27/23 17:08	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FB-05 **Lab ID: 92674084018** Collected: 06/27/23 18:45 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	07/07/23 12:31	07/07/23 15:16	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	07/07/23 12:31	07/07/23 15:16	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 18:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 18:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 18:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 18:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 18:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 18:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 18:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 18:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 18:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 18:00	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 18:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 18:00	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 18:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 18:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 18:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 18:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 18:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:03	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	28.0	mg/L	25.0	25.0	1		07/03/23 16:27		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/30/23 14:24	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/30/23 14:24	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/30/23 14:24	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-EB-05 Lab ID: 92674084019 Collected: 06/27/23 18:50 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	07/07/23 12:31	07/07/23 15:21	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	07/07/23 12:31	07/07/23 15:21	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/06/23 16:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 18:24	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 18:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 18:24	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 18:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 18:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 18:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 18:24	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 18:24	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 18:24	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 18:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 18:24	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 18:24	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 18:24	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 18:24	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 18:24	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 18:24	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/03/23 16:27		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/30/23 15:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/30/23 15:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/30/23 15:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-29R Lab ID: 92674084020 Collected: 06/27/23 17:53 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 07/06/23 14:21

pH **7.29** Std. Units 1 07/06/23 14:21

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	27.1	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 18:41	7440-70-2	M1
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 18:41	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0016J	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 18:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 18:30	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 18:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 18:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 18:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 18:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 18:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 18:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 18:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 18:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 18:30	7439-93-2	
Molybdenum	0.020	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 18:30	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 18:30	7440-02-0	
Selenium	0.0014J	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 18:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 18:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 18:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 18:30	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 07/10/23 12:00 07/10/23 15:21 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **172** mg/L 25.0 25.0 1 07/03/23 16:27

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.2	mg/L	1.0	0.60	1	06/30/23 15:38	16887-00-6
Fluoride	0.11	mg/L	0.10	0.050	1	06/30/23 15:38	16984-48-8
Sulfate	8.2	mg/L	1.0	0.50	1	06/30/23 15:38	14808-79-8

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-30 Lab ID: 92674084021 Collected: 06/27/23 09:50 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 07/06/23 14:21

pH **7.17** Std. Units 1 07/06/23 14:21

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	29.0	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:01	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:01	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 18:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 18:36	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 18:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 18:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 18:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 18:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 18:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 18:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 18:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 18:36	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 18:36	7439-93-2	
Molybdenum	0.010	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 18:36	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 18:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 18:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 18:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 18:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 18:36	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 07/10/23 12:00 07/10/23 15:24 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **204** mg/L 25.0 25.0 1 07/03/23 16:28

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.7	mg/L	1.0	0.60	1	06/30/23 15:53	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1	06/30/23 15:53	16984-48-8	
Sulfate	3.5	mg/L	1.0	0.50	1	06/30/23 15:53	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-35 Lab ID: 92674084022 Collected: 06/28/23 10:59 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 07/06/23 14:21

pH **7.40** Std. Units 1 07/06/23 14:21

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	50.7	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:06	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:06	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 18:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 18:42	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 18:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 18:42	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 18:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 18:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 18:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 18:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 18:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 18:42	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 18:42	7439-93-2	
Molybdenum	0.0014J	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 18:42	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 18:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 18:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 18:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 18:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 18:42	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 07/10/23 12:00 07/10/23 15:26 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **249** mg/L 25.0 25.0 1 07/03/23 18:08

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	3.9	mg/L	1.0	0.60	1	06/30/23 16:08	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1	06/30/23 16:08	16984-48-8	
Sulfate	5.1	mg/L	1.0	0.50	1	06/30/23 16:08	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FB-06 Lab ID: 92674084023 Collected: 06/28/23 12:25 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:11	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:11	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 19:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 19:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 19:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 19:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 19:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 19:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 19:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 19:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 19:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 19:00	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 19:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 19:00	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 19:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 19:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 19:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 19:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 19:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:29	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	36.0	mg/L	25.0	25.0	1		07/03/23 18:08		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/30/23 16:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/30/23 16:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/30/23 16:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-29 Lab ID: 92674084024 Collected: 06/26/23 13:13 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **CUSTOMER** 1 07/06/23 14:22

pH **7.67** Std. Units 1 07/06/23 14:22

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	23.1	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:15	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:15	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 19:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 19:06	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 19:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 19:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 19:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 19:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 19:06	7440-47-3	
Cobalt	0.00053J	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 19:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 19:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 19:06	7439-92-1	
Lithium	0.0032J	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 19:06	7439-93-2	
Molybdenum	0.013	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 19:06	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 19:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 19:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 19:06	7440-22-4	
Thallium	0.00023J	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 19:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 19:06	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 07/10/23 12:00 07/10/23 15:31 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **155** mg/L 25.0 25.0 1 07/03/23 16:25

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.7	mg/L	1.0	0.60	1	06/30/23 17:07	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1	06/30/23 17:07	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1	06/30/23 17:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-GWC-32 Lab ID: 92674084025 Collected: 06/26/23 14:40 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		07/06/23 14:23		
pH	6.86	Std. Units			1		07/06/23 14:23		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Calcium	41.2	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:20	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:20	7440-66-6	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 19:12	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 19:12	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 19:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 19:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 19:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 19:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 19:12	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 19:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 19:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 19:12	7439-92-1	
Lithium	0.0055J	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 19:12	7439-93-2	
Molybdenum	0.019	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 19:12	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 19:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 19:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 19:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 19:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 19:12	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:34	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	228	mg/L	25.0	25.0	1		07/03/23 16:25		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.4	mg/L	1.0	0.60	1		06/30/23 17:22	16887-00-6	
Fluoride	0.075J	mg/L	0.10	0.050	1		06/30/23 17:22	16984-48-8	
Sulfate	6.4	mg/L	1.0	0.50	1		06/30/23 17:22	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FD-02 Lab ID: 92674084026 Collected: 06/26/23 00:00 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	21.8	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:35	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:35	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 19:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 19:18	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 19:18	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 19:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 19:18	7440-47-3	
Cobalt	0.00048J	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 19:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 19:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 19:18	7439-92-1	
Lithium	0.0030J	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 19:18	7439-93-2	
Molybdenum	0.012	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 19:18	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 19:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 19:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 19:18	7440-22-4	
Thallium	0.00023J	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 19:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 19:18	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	140	mg/L	25.0	25.0	1		07/03/23 16:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.7	mg/L	1.0	0.60	1		06/30/23 17:37	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		06/30/23 17:37	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		06/30/23 17:37	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-FB-04 Lab ID: 92674084027 Collected: 06/26/23 15:35 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:39	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:39	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 19:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 19:24	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 19:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 19:24	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 19:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 19:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 19:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 19:24	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 19:24	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 19:24	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 19:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 19:24	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 19:24	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 19:24	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 19:24	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 19:24	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 19:24	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:39	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		07/03/23 16:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/30/23 18:36	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/30/23 18:36	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/30/23 18:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Sample: BOW-LF5-8-EB-04 Lab ID: 92674084028 Collected: 06/26/23 15:45 Received: 06/29/23 09:55 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	ND	mg/L	1.0	0.12	1	07/01/23 10:15	07/01/23 19:44	7440-70-2	
Zinc	ND	mg/L	0.020	0.0085	1	07/01/23 10:15	07/01/23 19:44	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	07/01/23 11:26	07/05/23 19:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	07/01/23 11:26	07/05/23 19:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	07/01/23 11:26	07/05/23 19:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	07/01/23 11:26	07/05/23 19:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	07/01/23 11:26	07/05/23 19:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	07/01/23 11:26	07/05/23 19:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	07/01/23 11:26	07/05/23 19:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	07/01/23 11:26	07/05/23 19:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	07/01/23 11:26	07/05/23 19:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	07/01/23 11:26	07/05/23 19:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	07/01/23 11:26	07/05/23 19:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	07/01/23 11:26	07/05/23 19:30	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	07/01/23 11:26	07/05/23 19:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	07/01/23 11:26	07/05/23 19:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	07/01/23 11:26	07/05/23 19:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	07/01/23 11:26	07/05/23 19:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	07/01/23 11:26	07/05/23 19:30	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	07/10/23 12:00	07/10/23 15:47	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	35.0	mg/L	25.0	25.0	1		07/03/23 16:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		06/30/23 18:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		06/30/23 18:51	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		06/30/23 18:51	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch:	782816	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011		

METHOD BLANK:	4060731	Matrix:	Water
Associated Lab Samples:	92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	07/01/23 16:40	
Zinc	mg/L	ND	0.020	0.0085	06/30/23 14:26	

LABORATORY CONTROL SAMPLE: 4060732						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.95J	95	80-120	
Zinc	mg/L	1	0.93	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4060782												4060783	
Parameter	Units	92674084001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
													Calcium
Zinc	mg/L	ND	1	1	0.99	0.96	98	96	75-125	3	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 783226 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

METHOD BLANK: 4062111 Matrix: Water
 Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	07/01/23 05:31	
Zinc	mg/L	ND	0.020	0.0085	07/01/23 05:31	

LABORATORY CONTROL SAMPLE: 4062112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.96J	96	80-120	
Zinc	mg/L	1	1.0	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4062113 4062114

Parameter	Units	92674478001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	35.1	1	1	31.1	34.4	-402	-73	75-125	10	20	M1
Zinc	mg/L	ND	1	1	0.94	0.91	94	91	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 784299 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

METHOD BLANK: 4067826 Matrix: Water
 Associated Lab Samples: 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	07/01/23 18:22	
Zinc	mg/L	ND	0.020	0.0085	07/01/23 18:22	

LABORATORY CONTROL SAMPLE: 4067827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	
Zinc	mg/L	1	0.96	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4067828 4067829

Parameter	Units	4067828		4067829		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	27.1	1	1	30.7	31.1	363	404	75-125	1	20 M1
Zinc	mg/L	ND	1	1	0.97	0.97	97	97	75-125	0	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 785400

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674084018, 92674084019

METHOD BLANK: 4072553

Matrix: Water

Associated Lab Samples: 92674084018, 92674084019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	07/07/23 15:06	
Zinc	mg/L	ND	0.020	0.0085	07/07/23 15:06	

LABORATORY CONTROL SAMPLE: 4072554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	
Zinc	mg/L	1	1.0	100	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 782837

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

METHOD BLANK: 4060809

Matrix: Water

Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	06/29/23 14:27	
Arsenic	mg/L	ND	0.0050	0.0037	06/29/23 14:27	
Barium	mg/L	ND	0.0050	0.00067	06/29/23 14:27	
Beryllium	mg/L	ND	0.00050	0.000054	06/29/23 14:27	
Boron	mg/L	ND	0.040	0.0086	06/29/23 14:27	
Cadmium	mg/L	ND	0.00050	0.00011	06/29/23 14:27	
Chromium	mg/L	ND	0.0050	0.0011	06/29/23 14:27	
Cobalt	mg/L	ND	0.0050	0.00039	06/29/23 14:27	
Copper	mg/L	ND	0.0050	0.0010	06/29/23 14:27	
Lead	mg/L	ND	0.0010	0.00012	06/29/23 14:27	
Lithium	mg/L	ND	0.030	0.00073	06/29/23 14:27	
Molybdenum	mg/L	ND	0.010	0.00074	06/29/23 14:27	
Nickel	mg/L	ND	0.0050	0.00071	06/29/23 14:27	
Selenium	mg/L	ND	0.0050	0.0014	06/29/23 14:27	
Silver	mg/L	ND	0.0050	0.00044	06/29/23 14:27	
Thallium	mg/L	ND	0.0010	0.00018	06/29/23 14:27	
Vanadium	mg/L	ND	0.010	0.0025	06/29/23 14:27	

LABORATORY CONTROL SAMPLE: 4060810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	113	80-120	
Arsenic	mg/L	0.1	0.10	100	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Lithium	mg/L	0.1	0.099	99	80-120	
Molybdenum	mg/L	0.1	0.10	102	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

LABORATORY CONTROL SAMPLE: 4060810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vanadium	mg/L	0.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4060811 4060812

Parameter	Units	4060811		4060812		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Antimony	mg/L	ND	0.1	0.11	0.11	114	113	75-125	1	20	
Arsenic	mg/L	ND	0.1	0.11	0.10	104	103	75-125	1	20	
Barium	mg/L	0.019	0.1	0.12	0.12	105	100	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.10	0.10	100	100	75-125	0	20	
Boron	mg/L	0.023J	1	1.1	1.0	103	102	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.10	0.10	105	101	75-125	3	20	
Chromium	mg/L	ND	0.1	0.10	0.10	102	102	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.10	0.10	102	101	75-125	0	20	
Copper	mg/L	ND	0.1	0.10	0.10	102	100	75-125	2	20	
Lead	mg/L	ND	0.1	0.10	0.099	100	98	75-125	2	20	
Lithium	mg/L	0.00083J	0.1	0.10	0.10	101	101	75-125	0	20	
Molybdenum	mg/L	0.0032J	0.1	0.11	0.11	106	105	75-125	1	20	
Nickel	mg/L	ND	0.1	0.10	0.10	102	100	75-125	2	20	
Selenium	mg/L	ND	0.1	0.10	0.10	103	102	75-125	1	20	
Silver	mg/L	ND	0.1	0.098	0.097	98	97	75-125	1	20	
Thallium	mg/L	0.00018J	0.1	0.099	0.097	98	97	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.11	0.10	105	104	75-125	2	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 783568 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

METHOD BLANK: 4063802 Matrix: Water

Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	07/03/23 14:51	
Arsenic	mg/L	ND	0.0050	0.0037	07/03/23 14:51	
Barium	mg/L	ND	0.0050	0.00067	07/03/23 14:51	
Beryllium	mg/L	ND	0.00050	0.000054	07/03/23 14:51	
Boron	mg/L	ND	0.040	0.0086	07/03/23 14:51	
Cadmium	mg/L	ND	0.00050	0.00011	07/03/23 14:51	
Chromium	mg/L	ND	0.0050	0.0011	07/03/23 14:51	
Cobalt	mg/L	ND	0.0050	0.00039	07/03/23 14:51	
Copper	mg/L	ND	0.0050	0.0010	07/03/23 14:51	
Lead	mg/L	ND	0.0010	0.00012	07/03/23 14:51	
Lithium	mg/L	ND	0.030	0.00073	07/03/23 14:51	
Molybdenum	mg/L	ND	0.010	0.00074	07/03/23 14:51	
Nickel	mg/L	ND	0.0050	0.00071	07/03/23 14:51	
Selenium	mg/L	ND	0.0050	0.0014	07/03/23 14:51	
Silver	mg/L	ND	0.0050	0.00044	07/03/23 14:51	
Thallium	mg/L	ND	0.0010	0.00018	07/03/23 14:51	
Vanadium	mg/L	ND	0.010	0.0025	07/03/23 14:51	

LABORATORY CONTROL SAMPLE: 4063803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	105	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.093	93	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.098	98	80-120	
Copper	mg/L	0.1	0.098	98	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Lithium	mg/L	0.1	0.10	101	80-120	
Molybdenum	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.095	95	80-120	
Thallium	mg/L	0.1	0.094	94	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Parameter	Units	4063804		4063805		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92674478001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	3	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.097	99	96	75-125	3	20	
Barium	mg/L	0.015	0.1	0.1	0.11	0.11	96	92	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.1	0.098	0.093	98	93	75-125	5	20	
Boron	mg/L	ND	1	1	1.0	0.95	99	95	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.098	0.094	98	94	75-125	4	20	
Chromium	mg/L	ND	0.1	0.1	0.098	0.096	97	95	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.097	0.095	97	94	75-125	2	20	
Copper	mg/L	ND	0.1	0.1	0.097	0.094	97	94	75-125	4	20	
Lead	mg/L	ND	0.1	0.1	0.095	0.091	95	91	75-125	4	20	
Lithium	mg/L	0.00076J	0.1	0.1	0.099	0.095	99	94	75-125	5	20	
Molybdenum	mg/L	0.0018J	0.1	0.1	0.10	0.10	101	98	75-125	3	20	
Nickel	mg/L	ND	0.1	0.1	0.097	0.095	97	94	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.097	99	96	75-125	3	20	
Silver	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.092	0.090	91	90	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 784300

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674084018, 92674084019, 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

METHOD BLANK: 4067830

Matrix: Water

Associated Lab Samples: 92674084018, 92674084019, 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	07/05/23 17:48	
Arsenic	mg/L	ND	0.0050	0.0037	07/05/23 17:48	
Barium	mg/L	ND	0.0050	0.00067	07/05/23 17:48	
Beryllium	mg/L	ND	0.00050	0.000054	07/05/23 17:48	
Boron	mg/L	ND	0.040	0.0086	07/05/23 17:48	
Cadmium	mg/L	ND	0.00050	0.00011	07/05/23 17:48	
Chromium	mg/L	ND	0.0050	0.0011	07/05/23 17:48	
Cobalt	mg/L	ND	0.0050	0.00039	07/05/23 17:48	
Copper	mg/L	ND	0.0050	0.0010	07/05/23 17:48	
Lead	mg/L	ND	0.0010	0.00012	07/05/23 17:48	
Lithium	mg/L	ND	0.030	0.00073	07/05/23 17:48	
Molybdenum	mg/L	ND	0.010	0.00074	07/05/23 17:48	
Nickel	mg/L	ND	0.0050	0.00071	07/05/23 17:48	
Selenium	mg/L	ND	0.0050	0.0014	07/05/23 17:48	
Silver	mg/L	ND	0.0050	0.00044	07/05/23 17:48	
Thallium	mg/L	ND	0.0010	0.00018	07/05/23 17:48	
Vanadium	mg/L	ND	0.010	0.0025	07/05/23 17:48	

LABORATORY CONTROL SAMPLE: 4067831

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.092	92	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	0.98	98	80-120	
Cadmium	mg/L	0.1	0.097	97	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Lithium	mg/L	0.1	0.10	103	80-120	
Molybdenum	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	
Vanadium	mg/L	0.1	0.10	101	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Parameter	Units	4067832		4067833		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92674084018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	106	106	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	1	20		
Barium	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	0	20		
Beryllium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	1	20		
Boron	mg/L	ND	1	1	0.98	0.99	98	99	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.098	0.098	98	98	75-125	0	20		
Lithium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		
Molybdenum	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	100	99	75-125	0	20		
Silver	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 783103 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

METHOD BLANK: 4061740 Matrix: Water
 Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	06/27/23 13:22	

LABORATORY CONTROL SAMPLE: 4061741

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4061742 4061743

Parameter	Units	92672184002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0019	85	76	75-125	12	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch:	783761	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

METHOD BLANK: 4064890 Matrix: Water
 Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	06/29/23 13:37	

LABORATORY CONTROL SAMPLE: 4064891

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4064892 4064893

Parameter	Units	92674742001		4064893		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	0.51 ug/L	0.0025	0.0025	0.0027	0.0027	86	86	75-125	1	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 785669 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92674084018, 92674084019, 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

METHOD BLANK: 4073437 Matrix: Water
 Associated Lab Samples: 92674084018, 92674084019, 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	07/10/23 14:57	

LABORATORY CONTROL SAMPLE: 4073438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0022	88	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4073439 4073440

Parameter	Units	92674084018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0021	86	85	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 783144 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

METHOD BLANK: 4061875 Matrix: Water
 Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004, 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	06/27/23 11:56	

LABORATORY CONTROL SAMPLE: 4061876

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	401	100	80-120	

SAMPLE DUPLICATE: 4061877

Parameter	Units	92674084001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	205	209	2	10	

SAMPLE DUPLICATE: 4061878

Parameter	Units	92674084005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	117	106	10	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch:	783413	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

METHOD BLANK: 4063181 Matrix: Water

Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	06/28/23 12:07	

LABORATORY CONTROL SAMPLE: 4063182

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	406	102	80-120	

SAMPLE DUPLICATE: 4063183

Parameter	Units	92674281005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	396	414	4	10	

SAMPLE DUPLICATE: 4063184

Parameter	Units	92674478005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 784396 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92674084018, 92674084019, 92674084020, 92674084021, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

METHOD BLANK: 4068078 Matrix: Water
 Associated Lab Samples: 92674084018, 92674084019, 92674084020, 92674084021, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/03/23 16:24	

LABORATORY CONTROL SAMPLE: 4068079

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	400	100	80-120	

SAMPLE DUPLICATE: 4068080

Parameter	Units	92674874001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	6460	6680	3	10 1g	

SAMPLE DUPLICATE: 4068081

Parameter	Units	92675366002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	72.0	75.0	4	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 784397	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92674084022, 92674084023

METHOD BLANK: 4068082 Matrix: Water
 Associated Lab Samples: 92674084022, 92674084023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	07/03/23 18:05	

LABORATORY CONTROL SAMPLE: 4068083

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	393	98	80-120	

SAMPLE DUPLICATE: 4068084

Parameter	Units	92675366022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	78.0	0	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 782580 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004

METHOD BLANK: 4059437 Matrix: Water
 Associated Lab Samples: 92674084001, 92674084002, 92674084003, 92674084004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/23/23 12:51	
Fluoride	mg/L	ND	0.10	0.050	06/23/23 12:51	
Sulfate	mg/L	ND	1.0	0.50	06/23/23 12:51	

LABORATORY CONTROL SAMPLE: 4059438

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	49.3	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4059439 4059440

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92673640001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	10.0	10.0	50	50	62.0	63.1	104	106	90-110	2	10	
Fluoride	mg/L	0.11	0.11	2.5	2.5	2.5	2.6	96	98	90-110	2	10	
Sulfate	mg/L	14.8	14.8	50	50	66.7	67.8	104	106	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4059441 4059442

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92673656001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	10	10	50	50	62.4	63.2	105	106	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.6	2.6	101	103	90-110	2	10	
Sulfate	mg/L	ND	ND	50	50	52.7	53.5	104	105	90-110	2	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch: 782582 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

METHOD BLANK: 4059447 Matrix: Water
 Associated Lab Samples: 92674084005, 92674084006, 92674084007, 92674084008, 92674084009, 92674084010, 92674084011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/23/23 23:54	
Fluoride	mg/L	ND	0.10	0.050	06/23/23 23:54	
Sulfate	mg/L	ND	1.0	0.50	06/23/23 23:54	

LABORATORY CONTROL SAMPLE: 4059448

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	49.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4059449 4059450

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92674084005 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	4.8	50	50	57.7	58.2	106	107	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	99	100	90-110	1	10		
Sulfate	mg/L	0.89J	50	50	53.2	53.7	105	106	90-110	1	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch:	783205	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

METHOD BLANK: 4062023 Matrix: Water
 Associated Lab Samples: 92674478001, 92674478002, 92674478003, 92674478004, 92674478005, 92674478006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/27/23 13:24	
Fluoride	mg/L	ND	0.10	0.050	06/27/23 13:24	
Sulfate	mg/L	ND	1.0	0.50	06/27/23 13:24	

LABORATORY CONTROL SAMPLE: 4062024

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.2	106	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	53.9	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4062025 4062026

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92674394004	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	3.1	50	50	55.9	58.7	106	111	90-110	5	10	M1	
Fluoride	mg/L	0.097J	2.5	2.5	2.6	2.8	101	106	90-110	5	10		
Sulfate	mg/L	4.1	50	50	58.2	60.8	108	113	90-110	4	10	M1	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

QC Batch:	784096	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92674084018, 92674084019, 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028		

METHOD BLANK:	4066500	Matrix:	Water
Associated Lab Samples:	92674084018, 92674084019, 92674084020, 92674084021, 92674084022, 92674084023, 92674084024, 92674084025, 92674084026, 92674084027, 92674084028		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/30/23 12:11	
Fluoride	mg/L	ND	0.10	0.050	06/30/23 12:11	
Sulfate	mg/L	ND	1.0	0.50	06/30/23 12:11	

LABORATORY CONTROL SAMPLE: 4066501						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.6	101	90-110	
Fluoride	mg/L	2.5	2.4	98	90-110	
Sulfate	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4066502												4066503	
Parameter	Units	92675037001		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Chloride	mg/L	15.4	50	50	68.3	69.3	106	108	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	3.5	3.5	137	139	90-110	1	10	M1	
Sulfate	mg/L	ND	50	50	51.4	51.7	103	103	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4066504												4066505	
Parameter	Units	92674084023		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Chloride	mg/L	ND	50	50	52.3	52.9	105	106	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	99	100	90-110	2	10		
Sulfate	mg/L	ND	50	50	50.9	51.7	102	103	90-110	2	10		

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QUALIFIERS

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

1g "Sample residue exceeded method SM 2540C recommended 200 mg."

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92674084001	BOW-GWC-26				
92674084002	BOW-GWC-28				
92674084003	BOW-GWA-33R				
92674084004	BOW-GWA-57				
92674084005	BOW-GWA-34				
92674084006	BOW-GWA-34R				
92674478001	BOW-GWC-27				
92674478002	BOW-GWC-27R				
92674478003	BOW-GWC-31				
92674478004	BOW-GWC-31R				
92674084020	BOW-GWC-29R				
92674084021	BOW-GWC-30				
92674084022	BOW-GWC-35				
92674084024	BOW-GWC-29				
92674084025	BOW-GWC-32				
92674084001	BOW-GWC-26	EPA 3010A	782816	EPA 6010D	782842
92674084002	BOW-GWC-28	EPA 3010A	782816	EPA 6010D	782842
92674084003	BOW-GWA-33R	EPA 3010A	782816	EPA 6010D	782842
92674084004	BOW-GWA-57	EPA 3010A	782816	EPA 6010D	782842
92674084005	BOW-GWA-34	EPA 3010A	782816	EPA 6010D	782842
92674084006	BOW-GWA-34R	EPA 3010A	782816	EPA 6010D	782842
92674084007	BOW-LF5-8-FB-02	EPA 3010A	782816	EPA 6010D	782842
92674084008	BOW-LF5-8-EB-02	EPA 3010A	782816	EPA 6010D	782842
92674084009	BOW-LF5-8-FD-01	EPA 3010A	782816	EPA 6010D	782842
92674084010	BOW-LF5-8-FB-01	EPA 3010A	782816	EPA 6010D	782842
92674084011	BOW-LF5-8-EB-01	EPA 3010A	782816	EPA 6010D	782842
92674478001	BOW-GWC-27	EPA 3010A	783226	EPA 6010D	783285
92674478002	BOW-GWC-27R	EPA 3010A	783226	EPA 6010D	783285
92674478003	BOW-GWC-31	EPA 3010A	783226	EPA 6010D	783285
92674478004	BOW-GWC-31R	EPA 3010A	783226	EPA 6010D	783285
92674478005	BOW-LF5-8-FB-03	EPA 3010A	783226	EPA 6010D	783285
92674478006	BOW-LF5-8-EB-03	EPA 3010A	783226	EPA 6010D	783285
92674084018	BOW-LF5-8-FB-05	EPA 3010A	785400	EPA 6010D	785436
92674084019	BOW-LF5-8-EB-05	EPA 3010A	785400	EPA 6010D	785436
92674084020	BOW-GWC-29R	EPA 3010A	784299	EPA 6010D	784346
92674084021	BOW-GWC-30	EPA 3010A	784299	EPA 6010D	784346
92674084022	BOW-GWC-35	EPA 3010A	784299	EPA 6010D	784346
92674084023	BOW-LF5-8-FB-06	EPA 3010A	784299	EPA 6010D	784346
92674084024	BOW-GWC-29	EPA 3010A	784299	EPA 6010D	784346
92674084025	BOW-GWC-32	EPA 3010A	784299	EPA 6010D	784346
92674084026	BOW-LF5-8-FD-02	EPA 3010A	784299	EPA 6010D	784346
92674084027	BOW-LF5-8-FB-04	EPA 3010A	784299	EPA 6010D	784346
92674084028	BOW-LF5-8-EB-04	EPA 3010A	784299	EPA 6010D	784346
92674084001	BOW-GWC-26	EPA 3005A	782837	EPA 6020B	783107
92674084002	BOW-GWC-28	EPA 3005A	782837	EPA 6020B	783107
92674084003	BOW-GWA-33R	EPA 3005A	782837	EPA 6020B	783107

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92674084004	BOW-GWA-57	EPA 3005A	782837	EPA 6020B	783107
92674084005	BOW-GWA-34	EPA 3005A	782837	EPA 6020B	783107
92674084006	BOW-GWA-34R	EPA 3005A	782837	EPA 6020B	783107
92674084007	BOW-LF5-8-FB-02	EPA 3005A	782837	EPA 6020B	783107
92674084008	BOW-LF5-8-EB-02	EPA 3005A	782837	EPA 6020B	783107
92674084009	BOW-LF5-8-FD-01	EPA 3005A	782837	EPA 6020B	783107
92674084010	BOW-LF5-8-FB-01	EPA 3005A	782837	EPA 6020B	783107
92674084011	BOW-LF5-8-EB-01	EPA 3005A	782837	EPA 6020B	783107
92674478001	BOW-GWC-27	EPA 3005A	783568	EPA 6020B	784356
92674478002	BOW-GWC-27R	EPA 3005A	783568	EPA 6020B	784356
92674478003	BOW-GWC-31	EPA 3005A	783568	EPA 6020B	784356
92674478004	BOW-GWC-31R	EPA 3005A	783568	EPA 6020B	784356
92674478005	BOW-LF5-8-FB-03	EPA 3005A	783568	EPA 6020B	784356
92674478006	BOW-LF5-8-EB-03	EPA 3005A	783568	EPA 6020B	784356
92674084018	BOW-LF5-8-FB-05	EPA 3005A	784300	EPA 6020B	784355
92674084019	BOW-LF5-8-EB-05	EPA 3005A	784300	EPA 6020B	784355
92674084020	BOW-GWC-29R	EPA 3005A	784300	EPA 6020B	784355
92674084021	BOW-GWC-30	EPA 3005A	784300	EPA 6020B	784355
92674084022	BOW-GWC-35	EPA 3005A	784300	EPA 6020B	784355
92674084023	BOW-LF5-8-FB-06	EPA 3005A	784300	EPA 6020B	784355
92674084024	BOW-GWC-29	EPA 3005A	784300	EPA 6020B	784355
92674084025	BOW-GWC-32	EPA 3005A	784300	EPA 6020B	784355
92674084026	BOW-LF5-8-FD-02	EPA 3005A	784300	EPA 6020B	784355
92674084027	BOW-LF5-8-FB-04	EPA 3005A	784300	EPA 6020B	784355
92674084028	BOW-LF5-8-EB-04	EPA 3005A	784300	EPA 6020B	784355
92674084001	BOW-GWC-26	EPA 7470A	783103	EPA 7470A	783181
92674084002	BOW-GWC-28	EPA 7470A	783103	EPA 7470A	783181
92674084003	BOW-GWA-33R	EPA 7470A	783103	EPA 7470A	783181
92674084004	BOW-GWA-57	EPA 7470A	783103	EPA 7470A	783181
92674084005	BOW-GWA-34	EPA 7470A	783103	EPA 7470A	783181
92674084006	BOW-GWA-34R	EPA 7470A	783103	EPA 7470A	783181
92674084007	BOW-LF5-8-FB-02	EPA 7470A	783103	EPA 7470A	783181
92674084008	BOW-LF5-8-EB-02	EPA 7470A	783103	EPA 7470A	783181
92674084009	BOW-LF5-8-FD-01	EPA 7470A	783103	EPA 7470A	783181
92674084010	BOW-LF5-8-FB-01	EPA 7470A	783103	EPA 7470A	783181
92674084011	BOW-LF5-8-EB-01	EPA 7470A	783103	EPA 7470A	783181
92674478001	BOW-GWC-27	EPA 7470A	783761	EPA 7470A	783838
92674478002	BOW-GWC-27R	EPA 7470A	783761	EPA 7470A	783838
92674478003	BOW-GWC-31	EPA 7470A	783761	EPA 7470A	783838
92674478004	BOW-GWC-31R	EPA 7470A	783761	EPA 7470A	783838
92674478005	BOW-LF5-8-FB-03	EPA 7470A	783761	EPA 7470A	783838
92674478006	BOW-LF5-8-EB-03	EPA 7470A	783761	EPA 7470A	783838
92674084018	BOW-LF5-8-FB-05	EPA 7470A	785669	EPA 7470A	785751
92674084019	BOW-LF5-8-EB-05	EPA 7470A	785669	EPA 7470A	785751
92674084020	BOW-GWC-29R	EPA 7470A	785669	EPA 7470A	785751
92674084021	BOW-GWC-30	EPA 7470A	785669	EPA 7470A	785751

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92674084022	BOW-GWC-35	EPA 7470A	785669	EPA 7470A	785751
92674084023	BOW-LF5-8-FB-06	EPA 7470A	785669	EPA 7470A	785751
92674084024	BOW-GWC-29	EPA 7470A	785669	EPA 7470A	785751
92674084025	BOW-GWC-32	EPA 7470A	785669	EPA 7470A	785751
92674084026	BOW-LF5-8-FD-02	EPA 7470A	785669	EPA 7470A	785751
92674084027	BOW-LF5-8-FB-04	EPA 7470A	785669	EPA 7470A	785751
92674084028	BOW-LF5-8-EB-04	EPA 7470A	785669	EPA 7470A	785751
92674084001	BOW-GWC-26	SM 2540C-2015	783144		
92674084002	BOW-GWC-28	SM 2540C-2015	783144		
92674084003	BOW-GWA-33R	SM 2540C-2015	783144		
92674084004	BOW-GWA-57	SM 2540C-2015	783144		
92674084005	BOW-GWA-34	SM 2540C-2015	783144		
92674084006	BOW-GWA-34R	SM 2540C-2015	783144		
92674084007	BOW-LF5-8-FB-02	SM 2540C-2015	783144		
92674084008	BOW-LF5-8-EB-02	SM 2540C-2015	783144		
92674084009	BOW-LF5-8-FD-01	SM 2540C-2015	783144		
92674084010	BOW-LF5-8-FB-01	SM 2540C-2015	783144		
92674084011	BOW-LF5-8-EB-01	SM 2540C-2015	783144		
92674478001	BOW-GWC-27	SM 2540C-2015	783413		
92674478002	BOW-GWC-27R	SM 2540C-2015	783413		
92674478003	BOW-GWC-31	SM 2540C-2015	783413		
92674478004	BOW-GWC-31R	SM 2540C-2015	783413		
92674478005	BOW-LF5-8-FB-03	SM 2540C-2015	783413		
92674478006	BOW-LF5-8-EB-03	SM 2540C-2015	783413		
92674084018	BOW-LF5-8-FB-05	SM 2540C-2015	784396		
92674084019	BOW-LF5-8-EB-05	SM 2540C-2015	784396		
92674084020	BOW-GWC-29R	SM 2540C-2015	784396		
92674084021	BOW-GWC-30	SM 2540C-2015	784396		
92674084022	BOW-GWC-35	SM 2540C-2015	784397		
92674084023	BOW-LF5-8-FB-06	SM 2540C-2015	784397		
92674084024	BOW-GWC-29	SM 2540C-2015	784396		
92674084025	BOW-GWC-32	SM 2540C-2015	784396		
92674084026	BOW-LF5-8-FD-02	SM 2540C-2015	784396		
92674084027	BOW-LF5-8-FB-04	SM 2540C-2015	784396		
92674084028	BOW-LF5-8-EB-04	SM 2540C-2015	784396		
92674084001	BOW-GWC-26	EPA 300.0 Rev 2.1 1993	782580		
92674084002	BOW-GWC-28	EPA 300.0 Rev 2.1 1993	782580		
92674084003	BOW-GWA-33R	EPA 300.0 Rev 2.1 1993	782580		
92674084004	BOW-GWA-57	EPA 300.0 Rev 2.1 1993	782580		
92674084005	BOW-GWA-34	EPA 300.0 Rev 2.1 1993	782582		
92674084006	BOW-GWA-34R	EPA 300.0 Rev 2.1 1993	782582		
92674084007	BOW-LF5-8-FB-02	EPA 300.0 Rev 2.1 1993	782582		
92674084008	BOW-LF5-8-EB-02	EPA 300.0 Rev 2.1 1993	782582		
92674084009	BOW-LF5-8-FD-01	EPA 300.0 Rev 2.1 1993	782582		
92674084010	BOW-LF5-8-FB-01	EPA 300.0 Rev 2.1 1993	782582		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5&8 Background

Pace Project No.: 92674084

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92674084011	BOW-LF5-8-EB-01	EPA 300.0 Rev 2.1 1993	782582		
92674478001	BOW-GWC-27	EPA 300.0 Rev 2.1 1993	783205		
92674478002	BOW-GWC-27R	EPA 300.0 Rev 2.1 1993	783205		
92674478003	BOW-GWC-31	EPA 300.0 Rev 2.1 1993	783205		
92674478004	BOW-GWC-31R	EPA 300.0 Rev 2.1 1993	783205		
92674478005	BOW-LF5-8-FB-03	EPA 300.0 Rev 2.1 1993	783205		
92674478006	BOW-LF5-8-EB-03	EPA 300.0 Rev 2.1 1993	783205		
92674084018	BOW-LF5-8-FB-05	EPA 300.0 Rev 2.1 1993	784096		
92674084019	BOW-LF5-8-EB-05	EPA 300.0 Rev 2.1 1993	784096		
92674084020	BOW-GWC-29R	EPA 300.0 Rev 2.1 1993	784096		
92674084021	BOW-GWC-30	EPA 300.0 Rev 2.1 1993	784096		
92674084022	BOW-GWC-35	EPA 300.0 Rev 2.1 1993	784096		
92674084023	BOW-LF5-8-FB-06	EPA 300.0 Rev 2.1 1993	784096		
92674084024	BOW-GWC-29	EPA 300.0 Rev 2.1 1993	784096		
92674084025	BOW-GWC-32	EPA 300.0 Rev 2.1 1993	784096		
92674084026	BOW-LF5-8-FD-02	EPA 300.0 Rev 2.1 1993	784096		
92674084027	BOW-LF5-8-FB-04	EPA 300.0 Rev 2.1 1993	784096		
92674084028	BOW-LF5-8-EB-04	EPA 300.0 Rev 2.1 1993	784096		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition
Jerr Herrig

Client Name: G.A. Power

Project #: **WO# : 92674084**



Courier: Fed Ex UPS USPS Chem
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents: 6/22/23
GAH

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID 214 Type of Ice: IWS BLa None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) 40.1

Temp should be above freezing to 6°C
 Samples out of temp or temp. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.3

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

Project # **WO# : 92674084**

PM: BV

Due Date: 07/07/23

CLIENT: 92-GP-BDMLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, OI and Grease, DRG/6315 (water) DOC, Tling

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item	BP40-1.25 ml Plastic Unpreserved (N/A) (10-)	BP30-250 ml Plastic Unpreserved (N/A)	BP20-500 ml Plastic Unpreserved (N/A)	BP10-1 liter Plastic Unpreserved (N/A)	BP45-125 ml Plastic H2SO4 (pH < 2) (10-)	BP0N-250 mL Sterile HROS (pH < 2)	BP42-125 mL Plastic Zn Acetate & NaOH (9-9)	BP4B-125 ml Plastic NaOCl (pH > 12) (10-)	WAGL-Wide-mouthed Glass Jar Unpreserved	AG10-1 liter Amber Unpreserved (N/A) (10-)	AG1H-1 liter Amber HCl (pH < 2)	AG30-250 mL Amber Unpreserved (N/A) (10-)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 mL Amber H2SO4 (pH < 2)	OG94-40 mL Amber NH4C (N/A/NH4)	OG9H-40 mL VOA HCl (N/A)	VG9T-40 ml VOA H2SO4 (N/A)	VG9U-40 ml VOA Unpreserved (N/A)	DG9V-40 ml VOA H2PO4 (N/A)	NP70-50 ml Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-MPH/Gas kit (N/A)	SP5T-125 ml Sterile Plastic (N/A) (50)	SP2T-150 ml Sterile Plastic (N/A) (50)	BP5B-250 ml Wash (N/A) (250415-3-9-7)	AG01-100 ml Amber Unpreserved (N/A) (10-)	VSGU-20 mL 50ml.0.02ben vials (N/A)	DG9U-40 ml Amber Unpreserved (N/A)		
1	2	1																											
2	2	1																											
3	2	1																											
4	2	1																											
5	2	1																											
6	2	1																											
7	2	1																											
8	2	1																											
9	2	1																											
10	2	1																											
11	2	1																											
12	2	1																											

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of Hold, incorrect preservative, out of terms, incorrect containers).



CHAIN-OF-CUSTODY / Analytical Request Document

The Client/Quantity is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A: Analytical Client Information: Project Name, Address, Phone, Fax, Email, Project #, Date, Location, Project #, Date, Location, Project #, Date, Location

Section B: Analytical Project Information: Project Name, Address, Phone, Fax, Email, Project #, Date, Location, Project #, Date, Location, Project #, Date, Location

Table with columns: ID, SAMPLE ID, MATRIX CODE, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP AT COLLECTION, POP CONTAINERS, Preservatives, Analysis Tests, and Received Counts (Y/N)

Section C: Analytical Information: Name of Client, Name of Project, Name of Analyst, Name of Laboratory, Date of Collection, Date of Analysis, Date of Report, Name of Reviewer, Name of Approver, Name of Signatory, Name of Signatory Title, Name of Signatory Address, Name of Signatory Phone, Name of Signatory Fax, Name of Signatory Email, Name of Signatory Project #, Name of Signatory Date, Name of Signatory Location

Page

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the procedures and conditions found in this Form and Conditions found at https://www.ecochem.com/chain-of-custody-standards/terms.pdf

CHAIN-OF-CUSTODY / Analytical Request Document

Section A: Requesting Client Information

Client Name: George Piner
Address: 241 North Maple Blvd NE
City: Atlanta, GA 30303
Phone: (404) 217-0000
Project Name: Standard
Requesting Date: 6/21/23

Section B: Requesting Project Information

Project To: Kathleen Adams, Calisto, Balfanz
Copy To: Laura Bellard, Ben Hooper, Matt Smiley
Project Site: Sample Camp
Material Origin: Brown Leaf Oats 589 Background Event at
Product Name: PINNO B
Material ID: 10890-A

Page: 1 of 2

SAMPLE ID	Matrix Code	Sample Type	DATE	TIME	SAMP. TEMP. AT COLLECTION	PRESERVABILITY										Retention Time (Yr)												
						As of Contaminants	Unpreserved	H2SO4	HNO3	HCl	NaOH	Methyl	Mercury	Cadmium	Other													
138	WAG-D	6/21/23	1042	8	3	5																			7.55	0014		
139	WAG-D	6/21/23	1230	8	3	5																				6.02	0005	
140	WAG-D	6/21/23	1515	8	3	5																				6.58	0010	
141	WAG-D																											
142	WAG-D																											
143	WAG-D																											
144	WAG-D	6/21/23	1635	8	3	5																						
145	WAG-D																											

ADDITIONAL COMMENTS	DATE	TIME	ACCEPTED BY	DATE	TIME
<i>Academic Review</i>	6/21/23	0830	<i>Byron Wilson</i>	6/21/23	0930
<i>Byron Wilson</i>	6/21/23	1235	<i>Byron Wilson</i>	6/21/23	1235

Organization: Rockwell Automation
Project Name: Standard
Requesting Date: 6/21/23
Received at: Rockwell Automation
Code: 001

Page

Sampling & Testing on this chain of custody constitutes acknowledgment and acceptance of the Paper Terms and Conditions found in slide deck: www.legalcustody.com/docs/standards-in-its.pdf

CHAIN-OF-CUSTODY / Analytical Request Document

This Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A

Project Client Information:
 Company: George Power
 Address: 2815 North Pacific Blvd #6
 City: Albany, CA 95008
 State: CA
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504

Section B

Project Information:
 Report ID: 13504
 Project Name: Bayview LP Gas Site Background Event #1
 Location: Albany, CA
 Project Start: 12/13/13
 Project End: 12/13/13

Section C

Project Manager:
 Name: George Power
 Address: 341 Westfield Blvd #6, Albany, CA 95008
 Phone: 925-885-1111
 Email: gpower@georgepower.com

ID	Description	Matrix Code	Sample Type	Collected		Sample Temp at Collection	# of Containers	Preservatives										Analysis Test	Cu, Ni, Ag, V, Zn	B/C	Rep. N. Min.	DI F. 30	TPB	Rebut 226/238	Residual Chlorine (ppm)
				DATE	TIME			Unpreserved	H2SO4	HNO3	Cl	KaOH	H2SO4	Method	Other										
13	BOW-GW-13	W3 G	CO-GW-01				5																		
14	BOW-GW-14	W3 G	CO-GW-01				5																		
15	BOW-GW-15	W3 G	CO-GW-01				5																		
16	BOW-GW-16	W3 G	CO-GW-01				5																		
17	BOW-GW-17	W3 G	CO-GW-01				5																		
18	BOW-GW-18	W3 G	CO-GW-01				5																		
19	BOW-GW-19	W3 G	CO-GW-01				5																		
20	BOW-GW-20	W3 G	CO-GW-01				5																		
21	BOW-GW-21	W3 G	CO-GW-01				5																		
22	BOW-GW-22	W3 G	CO-GW-01				5																		
23	BOW-GW-23	W3 G	CO-GW-01				5																		
24	BOW-GW-24	W3 G	CO-GW-01				5																		
25	BOW-GW-25	W3 G	CO-GW-01				5																		
26	BOW-GW-26	W3 G	CO-GW-01				5																		
27	BOW-GW-27	W3 G	CO-GW-01				5																		
28	BOW-GW-28	W3 G	CO-GW-01				5																		
29	BOW-GW-29	W3 G	CO-GW-01				5																		
30	BOW-GW-30	W3 G	CO-GW-01				5																		

Section D

Project Information:
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504
 Project Start: 12/13/13
 Project End: 12/13/13

Section E

Project Manager:
 Name: George Power
 Address: 341 Westfield Blvd #6, Albany, CA 95008
 Phone: 925-885-1111
 Email: gpower@georgepower.com

Section F

Project Information:
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504
 Project Start: 12/13/13
 Project End: 12/13/13

Section G

Project Information:
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504
 Project Start: 12/13/13
 Project End: 12/13/13

Section H

Project Information:
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504
 Project Start: 12/13/13
 Project End: 12/13/13

Section I

Project Information:
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504
 Project Start: 12/13/13
 Project End: 12/13/13

Section J

Project Information:
 Project Name: Bayview LP Gas Site Background Event #1
 Project ID: 13504
 Project Start: 12/13/13
 Project End: 12/13/13



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mech Winston Kernersville

Sample Condition Upon Receipt

Client Name: G.A. Power

Project #: **WO# : 92674084**

Courier: Fed Ex UPS USPS Client Pace Other: _____

PM: BV Due Date: 07/07/23
CLIENT: 92-GP-BOWLF

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 6/24/23
BT

Packing Material: Bubble Wrap Bubble Bags None Other: _____

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: 083

Type of Ice: Wet Dry None

Cooler Temp: 5.3

Correction Factor: Add/Subtract (°C) +0.4

Temp should be above freezing to 5°C

Samples out of temp criteria. Samples on ice, cooling process has begun.

Cooler Temp Corrected (°C): 5.4

USDA Regulated Soil? N/A, water sample?

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Short Hold Time Analysis (<2 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6	
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7	
Disturbed analysis. Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	
Includes Date, Time/ID/Analysis Matrix	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Headspace in VOA Vials (>5-Enum)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCLRF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92674084

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, CoPent, TCE, D5 and Grease, DR08015 (water) DOC, LHM

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project

PH: By

Due Date: 07/07/23

CLIENT: 92-GP-BOWLF

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125	125 mL Plastic Unpreserved (N/A) (C1)		2										
BP50-250	250 mL Plastic Unpreserved (N/A)		2										
BP20-500	500 mL Plastic Unpreserved (N/A)												
SP11-4	4 liter Plastic Unpreserved (N/A)												
BP45-125	125 mL Plastic H2SO4 (pH < 2) (C1)		3										
BP48-125	125 mL Plastic HNO3 (pH < 2)		3										
BP42-125	125 mL Plastic 2N Acetic & NaOH (C1)		3										
BP48-125	125 mL Plastic NaOH (pH > 12) (C1)		3										
VG20-1	Wide-mouthed Glass Jar Unpreserved												
AG30-1	1 liter Amber Unpreserved (N/A) (C1)												
AG3H-1	1 liter Amber HC (pH < 2)												
AG30-250	250 mL Amber Unpreserved (N/A) (C1)												
AG35-125	125 mL Amber H2SO4 (pH < 2)												
AG35-250	250 mL Amber H2SO4 (pH < 2)												
DG35-40	40 mL Amber HNO3 (N/A) (C1)												
CG9H-40	40 mL VOA HC (N/A)												
VG9T-40	40 mL VOA H2SO4 (N/A)												
VG9U-40	40 mL VOA Unpreserved (N/A)												
SG9V-40	40 mL VOA H3PO4 (N/A)												
KG7U-50	50 mL Plastic Unpreserved (N/A)												
W/OK	19 vials per trip-up/1 vial etc (N/A)												
SPST-125	125 mL Vene Plastic (N/A) - 1bb1												
SPPT-250	250 mL Sterile Plastic (N/A) - 1bb1												
	BBIN		2										
BP38-250	250 mL Plastic HNO3 (N/A) (C1)		2										
AG9U-100	100 mL Amber Unpreserved (N/A) (C1)												
VG9U-25	25 mL Schlenk vials (N/A)												
CG9U-40	40 mL Amber Unpreserved vials (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect container)

Page

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Suspectly a sample via this chain of custody constitutes acknowledgment and acceptance of the above Terms and Conditions found at <http://www.dhs.gov>

Requested Chain Information:
 Agency: Utah State Police
 Address: 24150 North MOON Bldg NE
 Aurora, GA 30804
 Contact: xxvxx@utahstate.gov
 Phone: 435231-0000
 Requested Date/Time: 5/16/2011 10:00 AM

Requested Project Information:
 Request for: North America Security Laboratory
 Report for: Items in the New Mexico Mail Sorting
 Name: Mark Gery
 Purchase Order #:
 Project Name: South US East Side Background Party #1
 Product:

Analysis Information:
 Analysis:
 Sample Name: Georgia Power
 Address: 24150 North MOON Bldg NE Aurora, GA 30804
 Phone:
 Requested Manager: Denise Longoria
 Date Printed: 5/20/2011

Page: 1 of 2

ITEM #	SAMPLE ID <small>One Character per Box (A-Z, 0-9, -, /) Sample IDs must be unique</small>	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATIVES								ANALYSIS TESTS				Requester's Name (Print)	Requester's Phone (Print)							
					# OF CONTAINERS								ANALYSIS TESTS												
					Unpreserved	H2SO4	HCl	HNO3	H2O2	Metals	Other	GC/MS/Ag v. Zn (App III)	R Ca (App III)	App IV/Asper	D P, S1	TL			Recur 20000	App IV/Furkin					
W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C	W/C									
1	BOX-GWC-26	W/C	D											X	X	X	X	X	X	X	X		02674084		
2	BOX-GWC-27	W/C	C	5/16/11	10:00	8.9	5							X	X	X	X	X	X	X	X	X		02744422	
3	BOX-GWC-28M	W/C	D	5/16/11	10:00	8.9	5							X	X	X	X	X	X	X	X	X		02744422	
4	BOX-GWC-28	W/C	B											X	X	X	X	X	X	X	X	X		02744422	
5	BOX-GWC-29	W/C	D											X	X	X	X	X	X	X	X	X		02744422	
6	BOX-GWC-29B	W/C	D											X	X	X	X	X	X	X	X	X		02744422	
7	BOX-GWC-30	W/C	D											X	X	X	X	X	X	X	X	X		02744422	
8	BOX-GWC-31	W/C	D											X	X	X	X	X	X	X	X	X		02744422	
9	BOX-GWC-31	W/C	D	5/16/11	10:00	8.9	5							X	X	X	X	X	X	X	X	X		02744422	
10	BOX-GWC-31R	W/C	D	5/16/11	10:00	8.9	5							X	X	X	X	X	X	X	X	X		02744422	
11	BOX-GWC-31	W/C	D											X	X	X	X	X	X	X	X	X		02744422	
12	BOX-GWC-31	W/C	D											X	X	X	X	X	X	X	X	X		02744422	
				ANALYST'S SIGNATURE				DATE				TIME				INITIALS				REMARKS					
				[Signature]				5/16/11				10:00				[Initials]				[Remarks]					

Face

Submitting a sample for the chain of custody, constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <http://www.epa.gov/owow/oc/custody.html>

CHAIN-OF-CUSTODY / Analytical Request Document

Page: 2 of 2

Required Client Information: **Client Name:** Keanan James, Cheryl Stewart
Address: 241 North Meigs Blvd NE, Atlanta, GA 30308
City/State: Atlanta, GA 30308
Phone: (478) 217-2909
Requester's Email: James.K@keanan.com

Required Project Information: **Project No.:** Keanan James, Cheryl Stewart
Project Name: URM's water sampling data analysis
Project Start: 11/11/2010
Project End: 11/11/2010
Requester's Email: James.K@keanan.com

ITEM #	DESCRIPTION	DATE	TIME	TEMP AT COLLECTION	# OF CONTAINERS	ANALYSIS TESTS	REMARKS
15	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
16	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
17	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
18	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
19	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
20	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
21	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
22	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
23	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	
24	SOIL-SUBSTRATE	11/11/2010	14:30	52	2	Asbestos, PCBs, PAHs, Metals, etc.	

Additional Information:
Location: Keanan James, Cheryl Stewart
Address: 241 North Meigs Blvd NE, Atlanta, GA 30308
City/State: Atlanta, GA 30308
Phone: (478) 217-2909
Requester's Email: James.K@keanan.com

Signature of Client: *[Signature]* **Date:** 11/11/2010

Signature of Analyst: *[Signature]* **Date:** 11/11/2010

Temperature: 52

Received on: 11/11/2010
Analyst: [Name]
City/State: [City/State]
Phone: [Phone]
Requester's Email: [Email]



DC# Title: ENV-FRM-HUN1-0083 v02 Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92674084

Courier: Fed Ex UPS USPS Client Commercial Other:

PH: BY Due Date: 07/07/23 CLIENT: 92-GP-BDMLF

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initial Person Examining Contents: 6/29/23 JCH

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR G, and ID: 230 Type of Ice: Wet Blue None

Cooler Temp: 5.6 Correction Factor: Add/Subtract (°C) 10.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice cooling process has begun

Cooler Temp Corrected (°C): 5.6

LSDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States (CA, NY, or SC) (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Syringe Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved Analysis - Samples Fed Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match CDC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
- Includes Date/Time/ID/Analysis Matrix: W		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92674084

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 07/07/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, 240/4015 (water) TOC, LUG

CLIENT: 02-GP-BONLF

**Bottom half of box is to list number of bottles

***Check unpreserved Nitrates for chlorine

Cont	RP4U-125 mL Plastic Unpreserved (N/A) (1)	RP1U-250 mL Plastic Unpreserved (N/A)	RP2U-500 mL Plastic Unpreserved (N/A)	RP3U-1 Liter Plastic Unpreserved (N/A)	RP4U-125 mL Plastic HDPE (pH < 2) (1)	RP5U-250 mL Plastic HDPE (pH < 2)	RP6U-500 mL Plastic 20 liter HDPE (pH < 2)	RP7U-1 Liter Plastic 20 liter HDPE (pH < 2)	RP8U-125 mL Plastic NaOH (pH > 12) (1)	WGU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 Liter Amber Unpreserved (N/A) (1)	AG2U-1 Liter Amber HI (1) (1)	AG3U-250 mL Amber Unpreserved (N/A) (1)	AG4U-125 mL Amber HI (1) (1)	AG5U-250 mL Amber -2500 pH < 2	OG8U-40 mL Amber NH4- (N/A) (1)	OG9U-40 mL VOA HI (N/A)	VO8U-40 mL VOA Na2S2O3 (N/A)	VO9U-40 mL VOA Unpreserved (N/A)	OG9U-40 mL VOA Na2S2O3 (N/A)	RP7U-50 mL Plastic Unpreserved (N/A)	VY6U (3 vials per kit) VOA kit (N/A)	SP4T-125 mL Sterile Plastic (N/A - lab)	SP4T-250 mL Sterile Plastic (N/A - lab)	RP3R-250 mL Plastic (NH4) (1) (3-9)	AG6U-100 mL Amber Unpreserved (N/A) (1)	VY6U-20 mL Syringe un vials (N/A)	OG9U-40 mL Amber Unpreserved vials (N/A)	
1	2	1																											
2	2	1																											
3	2	1																											
4	2	1																											
5	2	1																											
6	2	1																											
7	2	1																											
8	2	1																											
9	2	1																											
10	2	1																											
11	2	1																											
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina Department of Environment and Natural Resources, Office of Water Quality, incorrect preservative, out of temp, adjusted containers

Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the scope, terms and conditions found in the document, provided on <http://www.pca.com/custody-request-form.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Section A
 Requested Chain of Custody for: **Section B**
 Requested Project Name/Number: **Section C**
 Requested for: **Section D**
 Project Name: **Section E**
 Requested by: **Section F**
 Date: **Section G**

ITEM #	SAMPLE ID (Date Character per hour Date, Day, - Sample tag serial by unique Number)	MATERIAL CODE	SAMPLE TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION	ANALYSIS TEST	RECEIVED ANALYSIS FROM (TIME)	RELEASED CHAIN (Y/N)
				DATE	TIME						
1	60W-GMC-2K	WAG 5	WAG 5								
2	60W-GMC-2T	WAG 6	WAG 6								
3	60W-GMC-2TR	WAG 6	WAG 6								
4	60W-GMC-2R	WAG 6	WAG 6								
5	60W-GMC-2A	WAG 6	WAG 6								
6	60W-GMC-2B	WAG 6	WAG 6								
7	60W-GMC-2B	WAG 6	WAG 6	6/21/23	1753	83	5				
8	60W-GMC-2B	WAG 6	WAG 6	6/21/23	0950	83	5				
9	60W-GMC-2B	WAG 6	WAG 6								
10	60W-GMC-2B	WAG 6	WAG 6								
11	60W-GMC-2B	WAG 6	WAG 6								
12	60W-GMC-2B	WAG 6	WAG 6								
13	60W-GMC-2B	WAG 6	WAG 6								
14	60W-GMC-2B	WAG 6	WAG 6								
15	60W-GMC-2B	WAG 6	WAG 6								
16	60W-GMC-2B	WAG 6	WAG 6								
17	60W-GMC-2B	WAG 6	WAG 6								
18	60W-GMC-2B	WAG 6	WAG 6								
19	60W-GMC-2B	WAG 6	WAG 6								
20	60W-GMC-2B	WAG 6	WAG 6								

Received On: **7/29/23**
 Released On: **7/13/23**
 Signature: **[Signature]**
 Date: **6/27/23**

Page

Submitted by a sample and this chain of custody represents acknowledgment and acceptance of the form and conditions found at the site. Records contributions standard form 100-200-1.

CHAIN-OF-CUSTODY / Analytical Request Document

Requesting Client Information:		Requesting Project Information:		Client Information:	
Company:	Georgia Power	Report to:	Kevin Ayres, Field Operations	Company Name:	Georgia Power
Address:	241 Riverchase Blvd NE	Copy to:	Laura Taylor, Field Ops	Address:	241 Riverchase Blvd NE Atlanta, GA 30328
Phone:	404 320 3000	Project Name:	Brookhaven	Phone:	404 320 3000
Project #:	1470 213 0004	Project Location:	Brookhaven	Project #:	100004
Requester:	David Foster	Project Start:	6/28/13	Requester:	William Laker
		Project End:	6/28/13		

ITEM #	SAMPLE ID	DATE	TIME	SAMPLE TEMP AT COLLECTION	PRESERVATIVES		ANALYSES TESTED	RESIDUAL CHLORINE (Y/N)
					UNPRESERVED	PRESERVED		
12	BOW-QWA-07	6/28/13	10:59	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
13	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
14	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
15	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
16	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
17	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
18	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
19	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
20	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
21	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
22	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
23	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
24	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
25	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
26	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
27	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	
28	BOW-QWA-07	6/28/13	12:25	8.3	5		<input type="checkbox"/> Cu, Ni, Ag, V, Zn (App. III) <input type="checkbox"/> Se (App. II) <input type="checkbox"/> App. IV Metals <input type="checkbox"/> OLF EC, <input type="checkbox"/> TDS <input type="checkbox"/> Residual Chlorine <input type="checkbox"/> App. IV Fluoride	

LABORATORY NAME AND QUALITY ASSURANCE	WILSON LABORATORY	DATE	6/28/13	TIME	0955
PROJECT NAME AND NUMBER	Brookhaven / PWA	DATE	6/28/13	TIME	0955
PROJECT LOCATION	Brookhaven / PWA	DATE	6/28/13	TIME	0955
PROJECT OPERATOR	William Laker	DATE	6/28/13	TIME	0955
PROJECT SUPERVISOR	William Laker	DATE	6/28/13	TIME	0955
PROJECT ANALYST	William Laker	DATE	6/28/13	TIME	0955
PROJECT QUALITY ASSURANCE	William Laker	DATE	6/28/13	TIME	0955
PROJECT REVIEWER	William Laker	DATE	6/28/13	TIME	0955
PROJECT APPROVER	William Laker	DATE	6/28/13	TIME	0955



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a FINAL DOCUMENT. All relevant fields must be completed accurately.

Requested Chain Information:
 Requested: Georgia Power
 Address: 241 Peachtree Blvd NE
 Atlanta, GA 30303
 Contact: 404/522-6000
 Requested Date/Time: Standard

Requested Project Information:
 Requested By: William Lambert
 Copy To: Laboratory, Dan Higgins, New Smyrna Beach, FL
 Project Name: 5-X
 Requested Date/Time: Standard

Requested Analytical Information:
 Analytical Method: Environmental
 Requested By: William Lambert
 Requested Date/Time: Standard

Requesting Agency:
 Project Name: 5-X
 Requested Date/Time: Standard

ITEM #	SAMPLE ID (One Character per box, 14 to 0/1/1) Sample box must be unique	DATE	TIME	ANALYSIS TEST	PRESERVATION		ANALYSIS TEST	RESIDUAL CHLORINE (Y/N)
					TEMPERATURE	PH		
1	BOW-GM-C-26	6/26/23	1410	8.3	5			
2	BOW-GM-C-27							
3	BOW-GM-C-28							
4	BOW-GM-C-29							
5	BOW-GM-C-30							
6	BOW-GM-C-31							
7	BOW-GM-C-32							
8	BOW-GM-C-33							
9	BOW-GM-C-34							
10	BOW-GM-C-35							
11	BOW-GM-C-36							
12	BOW-GM-C-37							

Requester Information:
 Name: William Lambert
 Title: Project Manager
 Date: 6/26/23
 Signature: [Signature]

Requesting Agency:
 Name: Georgia Power
 Title: Project Manager
 Date: 6/26/23
 Signature: [Signature]

Requesting Agency:
 Name: [Blank]
 Title: [Blank]
 Date: [Blank]
 Signature: [Blank]

Page

CHAIN-OF-CUSTODY / Analytical Request Document

Page 1 of 2

Section A
 Requested Chain of Custody: **Environmental**
 Project Name: **211 Eagle MCDI Blvd ME**
 Address: **211 Eagle MCDI Blvd ME**
 City: **Portland, ME**
 State: **ME**
 Zip: **04103**
 Project No: **10001**
 Requested Date: **6/26/23**

Project Information:
 Requested By: **William Jackson**
 Requested Date: **6/26/23**
 Project No: **10001**

Analyst Information:
 Analyst Name: **William Jackson**
 Analyst Title: **Environmental Scientist**
 Analyst Contact: **william.jackson@mecon.com**

ID	SAMPLE ID	DATE	TIME	ANALYTES TESTED	ANALYTES TESTED		ANALYST	REMARKS
					DATE	TIME		
13	BOW-DW-LS-1	6/26/23	1535	Asbestos (A, B, C, S, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	Y	Y	William Jackson	026
14	BOW-DW-LS-2	6/26/23	1535	Asbestos (A, B, C, S, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	Y	Y	William Jackson	007
15	BOW-DW-LS-3	6/26/23	1535	Asbestos (A, B, C, S, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	Y	Y	William Jackson	028

Additional Comments:
 Received on: **6/26/23**
 Received by: **William Jackson**
 Signature: *[Signature]*
 Title: **Environmental Scientist**



August 15, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 5&8 Back- RADS
Pace Project No.: 92674104

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between June 22, 2023 and June 29, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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**SAMPLE SUMMARY**

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92674104001	BOW-GWC-26	Water	06/20/23 11:10	06/22/23 12:35
92674104002	BOW-GWC-28	Water	06/20/23 12:27	06/22/23 12:35
92674104003	BOW-GWA-33R	Water	06/21/23 12:48	06/22/23 12:35
92674104004	BOW-GWA-57	Water	06/21/23 10:42	06/22/23 12:35
92674104005	BOW-GWA-34	Water	06/21/23 12:30	06/22/23 12:35
92674104006	BOW-GWA-34R	Water	06/21/23 15:15	06/22/23 12:35
92674104007	BOW-LF5-8-FB-02	Water	06/21/23 16:30	06/22/23 12:35
92674104008	BOW-LF5-8-EB-02	Water	06/21/23 16:35	06/22/23 12:35
92674104009	BOW-LF5-8-FD-01	Water	06/20/23 00:00	06/22/23 12:35
92674104010	BOW-LF5-8-FB-01	Water	06/20/23 14:20	06/22/23 12:35
92674104011	BOW-LF5-8-EB-01	Water	06/20/23 14:25	06/22/23 12:35
92674476001	BOW-GWC-27	Water	06/23/23 10:30	06/26/23 12:25
92674476002	BOW-GWC-27R	Water	06/23/23 13:42	06/26/23 12:25
92674476003	BOW-GWC-31	Water	06/23/23 11:50	06/26/23 12:25
92674476004	BOW-GWC-31R	Water	06/23/23 10:13	06/26/23 12:25
92674476005	BOW-LF5-8-FB-03	Water	06/23/23 14:24	06/26/23 12:25
92674476006	BOW-LF5-8-EB-03	Water	06/23/23 14:30	06/26/23 12:25
92674104018	BOW-LF5-8-FB-05	Water	06/27/23 18:45	06/29/23 09:55
92674104019	BOW-LF5-8-EB-05	Water	06/27/23 18:50	06/29/23 09:55
92674104020	BOW-GWC-29R	Water	06/27/23 17:53	06/29/23 09:55
92674104021	BOW-GWC-30	Water	06/27/23 09:50	06/29/23 09:55
92674104022	BOW-GWA-35	Water	06/28/23 10:59	06/29/23 09:55
92674104023	BOW-LF5-8-FB-06	Water	06/28/23 12:25	06/29/23 09:55
92674104024	BOW-GWC-29	Water	06/26/23 13:13	06/29/23 09:55
92674104025	BOW-GWC-32	Water	06/26/23 14:40	06/29/23 09:55
92674104026	BOW-LF5-8-FD-02	Water	06/26/23 00:00	06/29/23 09:55
92674104027	BOW-LF5-8-FB-04	Water	06/26/23 15:35	06/29/23 09:55
92674104028	BOW-LF5-8-EB-04	Water	06/26/23 15:45	06/29/23 09:55

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92674104001	BOW-GWC-26	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104002	BOW-GWC-28	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104003	BOW-GWA-33R	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104004	BOW-GWA-57	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104005	BOW-GWA-34	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104006	BOW-GWA-34R	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104007	BOW-LF5-8-FB-02	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104008	BOW-LF5-8-EB-02	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104009	BOW-LF5-8-FD-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104010	BOW-LF5-8-FB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674104011	BOW-LF5-8-EB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674476001	BOW-GWC-27	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92674476002	BOW-GWC-27R	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92674476003	BOW-GWC-31	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674476004	BOW-GWC-31R	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674476005	BOW-LF5-8-FB-03	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674476006	BOW-LF5-8-EB-03	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104018	BOW-LF5-8-FB-05	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104019	BOW-LF5-8-EB-05	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104020	BOW-GWC-29R	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104021	BOW-GWC-30	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104022	BOW-GWA-35	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104023	BOW-LF5-8-FB-06	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104024	BOW-GWC-29	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92674104025	BOW-GWC-32	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92674104026	BOW-LF5-8-FD-02	Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
92674104027	BOW-LF5-8-FB-04	Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
92674104028	BOW-LF5-8-EB-04	Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674104001	BOW-GWC-26					
EPA 9315	Radium-226	0.237U ± 0.159 (0.276) C:83% T:NA	pCi/L		07/18/23 09:40	
EPA 9320	Radium-228	0.748U ± 0.434 (0.793) C:84% T:81%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	0.985U ± 0.593 (1.07)	pCi/L		07/19/23 15:24	
92674104002	BOW-GWC-28					
EPA 9315	Radium-226	0.0678U ± 0.103 (0.226) C:85% T:NA	pCi/L		07/18/23 09:40	
EPA 9320	Radium-228	0.107U ± 0.349 (0.784) C:82% T:91%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	0.175U ± 0.452 (1.01)	pCi/L		07/19/23 15:24	
92674104003	BOW-GWA-33R					
EPA 9315	Radium-226	0.137U ± 0.108 (0.188) C:93% T:NA	pCi/L		07/18/23 09:40	
EPA 9320	Radium-228	0.484U ± 0.360 (0.708) C:82% T:90%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	0.621U ± 0.468 (0.896)	pCi/L		07/19/23 15:24	
92674104004	BOW-GWA-57					
EPA 9315	Radium-226	0.0389U ± 0.0946 (0.225) C:90% T:NA	pCi/L		07/18/23 09:40	
EPA 9320	Radium-228	0.817 ± 0.403 (0.703) C:88% T:86%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	0.856U ± 0.498 (0.928)	pCi/L		07/19/23 15:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674104005	BOW-GWA-34					
EPA 9315	Radium-226	0.399 ± 0.164 (0.162) C:88% T:NA	pCi/L		07/18/23 09:39	
EPA 9320	Radium-228	1.72U ± 1.02 (1.90) C:85% T:85%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	2.12 ± 1.18 (2.06)	pCi/L		07/19/23 15:24	
92674104006	BOW-GWA-34R					
EPA 9315	Radium-226	0.316 ± 0.138 (0.143) C:93% T:NA	pCi/L		07/18/23 10:26	
EPA 9320	Radium-228	0.384U ± 0.328 (0.662) C:84% T:95%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	0.700U ± 0.466 (0.805)	pCi/L		07/19/23 15:24	
92674104007	BOW-LF5-8-FB-02					
EPA 9315	Radium-226	0.0289U ± 0.0843 (0.208) C:75% T:NA	pCi/L		07/18/23 10:26	
EPA 9320	Radium-228	0.478U ± 0.354 (0.696) C:87% T:89%	pCi/L		07/13/23 12:09	
Total Radium Calculation	Total Radium	0.507U ± 0.438 (0.904)	pCi/L		07/19/23 15:24	
92674104008	BOW-LF5-8-EB-02					
EPA 9315	Radium-226	0.135U ± 0.113 (0.203) C:93% T:NA	pCi/L		07/18/23 10:27	
EPA 9320	Radium-228	0.254U ± 0.321 (0.681) C:83% T:88%	pCi/L		07/13/23 12:10	
Total Radium Calculation	Total Radium	0.389U ± 0.434 (0.884)	pCi/L		07/19/23 15:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674104009	BOW-LF5-8-FD-01					
EPA 9315	Radium-226	0.188 ± 0.110 (0.147) C:89% T:NA	pCi/L		07/18/23 12:48	
EPA 9320	Radium-228	0.733 ± 0.368 (0.628) C:87% T:81%	pCi/L		07/13/23 12:10	
Total Radium Calculation	Total Radium	0.921 ± 0.478 (0.775)	pCi/L		07/19/23 15:24	
92674104010	BOW-LF5-8-FB-01					
EPA 9315	Radium-226	0.103U ± 0.0976 (0.182) C:88% T:NA	pCi/L		07/18/23 12:48	
EPA 9320	Radium-228	0.544U ± 0.343 (0.643) C:82% T:90%	pCi/L		07/13/23 12:10	
Total Radium Calculation	Total Radium	0.647U ± 0.441 (0.825)	pCi/L		07/19/23 15:24	
92674104011	BOW-LF5-8-EB-01					
EPA 9315	Radium-226	0.166U ± 0.106 (0.166) C:91% T:NA	pCi/L		07/18/23 12:49	
EPA 9320	Radium-228	0.324U ± 0.343 (0.713) C:84% T:82%	pCi/L		07/13/23 12:10	
Total Radium Calculation	Total Radium	0.490U ± 0.449 (0.879)	pCi/L		07/19/23 15:24	
92674476001	BOW-GWC-27					
EPA 9315	Radium-226	0.237 ± 0.136 (0.182) C:76% T:NA	pCi/L		07/18/23 12:49	
EPA 9320	Radium-228	0.717U ± 0.426 (0.787) C:83% T:78%	pCi/L		07/14/23 11:43	
Total Radium Calculation	Total Radium	0.954U ± 0.562 (0.969)	pCi/L		07/19/23 15:24	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674476002	BOW-GWC-27R					
EPA 9315	Radium-226	0.154U ± 0.148 (0.301) C:87% T:NA	pCi/L		07/19/23 08:37	
EPA 9320	Radium-228	1.36 ± 0.470 (0.637) C:83% T:85%	pCi/L		07/14/23 11:43	
Total Radium Calculation	Total Radium	1.51 ± 0.618 (0.938)	pCi/L		07/19/23 15:24	
92674476003	BOW-GWC-31					
EPA 9315	Radium-226	0.142U ± 0.132 (0.260) C:87% T:NA	pCi/L		07/19/23 08:38	
EPA 9320	Radium-228	0.704 ± 0.362 (0.624) C:80% T:93%	pCi/L		07/14/23 11:43	
Total Radium Calculation	Total Radium	0.846U ± 0.494 (0.884)	pCi/L		07/19/23 15:24	
92674476004	BOW-GWC-31R					
EPA 9315	Radium-226	0.100U ± 0.116 (0.239) C:77% T:NA	pCi/L		07/19/23 08:38	
EPA 9320	Radium-228	0.175U ± 0.345 (0.760) C:81% T:86%	pCi/L		07/14/23 11:43	
Total Radium Calculation	Total Radium	0.275U ± 0.461 (0.999)	pCi/L		07/19/23 15:24	
92674476005	BOW-LF5-8-FB-03					
EPA 9315	Radium-226	0.122U ± 0.102 (0.184) C:93% T:NA	pCi/L		07/19/23 08:39	
EPA 9320	Radium-228	0.887U ± 0.483 (0.895) C:82% T:86%	pCi/L		07/14/23 11:44	
Total Radium Calculation	Total Radium	1.01U ± 0.585 (1.08)	pCi/L		07/19/23 15:24	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674476006	BOW-LF5-8-EB-03					
EPA 9315	Radium-226	0.0389U ± 0.0947 (0.225) C:87% T:NA	pCi/L		07/19/23 08:39	
EPA 9320	Radium-228	0.436U ± 0.409 (0.841) C:84% T:83%	pCi/L		07/14/23 11:44	
Total Radium Calculation	Total Radium	0.475U ± 0.504 (1.07)	pCi/L		07/19/23 15:24	
92674104018	BOW-LF5-8-FB-05					
EPA 9315	Radium-226	0.198 ± 0.114 (0.141) C:87% T:NA	pCi/L		07/23/23 11:54	
EPA 9320	Radium-228	0.488U ± 0.335 (0.640) C:86% T:84%	pCi/L		07/13/23 12:11	
Total Radium Calculation	Total Radium	0.686U ± 0.449 (0.781)	pCi/L		07/25/23 08:51	
92674104019	BOW-LF5-8-EB-05					
EPA 9315	Radium-226	0.115U ± 0.125 (0.256) C:88% T:NA	pCi/L		07/23/23 11:56	
EPA 9320	Radium-228	0.555U ± 0.387 (0.751) C:82% T:85%	pCi/L		07/13/23 12:11	
Total Radium Calculation	Total Radium	0.670U ± 0.512 (1.01)	pCi/L		07/25/23 08:51	
92674104020	BOW-GWC-29R					
EPA 9315	Radium-226	0.241U ± 0.160 (0.281) C:83% T:NA	pCi/L		07/23/23 14:07	
EPA 9320	Radium-228	0.625U ± 0.407 (0.783) C:83% T:88%	pCi/L		07/13/23 12:11	
Total Radium Calculation	Total Radium	0.866U ± 0.567 (1.06)	pCi/L		07/25/23 08:51	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674104021	BOW-GWC-30					
EPA 9315	Radium-226	0.0793U ± 0.102 (0.214)	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	C:73% T:NA 0.403U ± 0.461 (0.974)	pCi/L		07/13/23 12:11	
Total Radium Calculation	Total Radium	C:82% T:78% 0.482U ± 0.563 (1.19)	pCi/L		07/25/23 08:51	
92674104022	BOW-GWA-35					
EPA 9315	Radium-226	0.326 ± 0.152 (0.207)	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	C:95% T:NA 0.503U ± 0.358 (0.698)	pCi/L		07/13/23 12:13	
Total Radium Calculation	Total Radium	C:87% T:84% 0.829U ± 0.510 (0.905)	pCi/L		07/25/23 08:51	
92674104023	BOW-LF5-8-FB-06					
EPA 9315	Radium-226	0.0257U ± 0.0869 (0.217)	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	C:85% T:NA 0.383U ± 0.377 (0.774)	pCi/L		07/13/23 12:13	
Total Radium Calculation	Total Radium	C:81% T:81% 0.409U ± 0.464 (0.991)	pCi/L		07/25/23 08:51	
92674104024	BOW-GWC-29					
EPA 9315	Radium-226	0.248 ± 0.144 (0.211)	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	C:77% T:NA 0.569U ± 0.425 (0.848)	pCi/L		07/13/23 12:13	
Total Radium Calculation	Total Radium	C:85% T:84% 0.817U ± 0.569 (1.06)	pCi/L		07/25/23 08:51	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92674104025	BOW-GWC-32					
EPA 9315	Radium-226	0.194 ± 0.117 (0.172) C:88% T:NA	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	0.500U ± 0.381 (0.759) C:87% T:86%	pCi/L		07/13/23 12:13	
Total Radium Calculation	Total Radium	0.694U ± 0.498 (0.931)	pCi/L		07/25/23 08:51	
92674104026	BOW-LF5-8-FD-02					
EPA 9315	Radium-226	0.192 ± 0.116 (0.160) C:87% T:NA	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	1.70 ± 0.555 (0.770) C:83% T:87%	pCi/L		07/13/23 12:13	
Total Radium Calculation	Total Radium	1.89 ± 0.671 (0.930)	pCi/L		07/25/23 08:51	
92674104027	BOW-LF5-8-FB-04					
EPA 9315	Radium-226	0.0403U ± 0.0808 (0.187) C:94% T:NA	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	0.212U ± 0.367 (0.800) C:82% T:88%	pCi/L		07/14/23 11:45	
Total Radium Calculation	Total Radium	0.252U ± 0.448 (0.987)	pCi/L		07/25/23 08:51	
92674104028	BOW-LF5-8-EB-04					
EPA 9315	Radium-226	0.0922U ± 0.109 (0.227) C:90% T:NA	pCi/L		07/23/23 14:08	
EPA 9320	Radium-228	0.626U ± 0.415 (0.801) C:83% T:88%	pCi/L		07/14/23 11:45	
Total Radium Calculation	Total Radium	0.718U ± 0.524 (1.03)	pCi/L		07/25/23 08:51	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-26 Lab ID: 92674104001 Collected: 06/20/23 11:10 Received: 06/22/23 12:35 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.237U ± 0.159 (0.276) C:83% T:NA	pCi/L	07/18/23 09:40	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.748U ± 0.434 (0.793) C:84% T:81%	pCi/L	07/13/23 12:09	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.985U ± 0.593 (1.07)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-28 Lab ID: 92674104002 Collected: 06/20/23 12:27 Received: 06/22/23 12:35 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0678U ± 0.103 (0.226) C:85% T:NA	pCi/L	07/18/23 09:40	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.107U ± 0.349 (0.784) C:82% T:91%	pCi/L	07/13/23 12:09	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.175U ± 0.452 (1.01)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWA-33R **Lab ID: 92674104003** Collected: 06/21/23 12:48 Received: 06/22/23 12:35 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.137U ± 0.108 (0.188) C:93% T:NA	pCi/L	07/18/23 09:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.484U ± 0.360 (0.708) C:82% T:90%	pCi/L	07/13/23 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.621U ± 0.468 (0.896)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWA-57 **Lab ID: 92674104004** Collected: 06/21/23 10:42 Received: 06/22/23 12:35 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0389U ± 0.0946 (0.225) C:90% T:NA	pCi/L	07/18/23 09:40	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.817 ± 0.403 (0.703) C:88% T:86%	pCi/L	07/13/23 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.856U ± 0.498 (0.928)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWA-34 Lab ID: 92674104005 Collected: 06/21/23 12:30 Received: 06/22/23 12:35 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.399 ± 0.164 (0.162) C:88% T:NA	pCi/L	07/18/23 09:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.72U ± 1.02 (1.90) C:85% T:85%	pCi/L	07/13/23 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	2.12 ± 1.18 (2.06)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWA-34R **Lab ID: 92674104006** Collected: 06/21/23 15:15 Received: 06/22/23 12:35 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.316 ± 0.138 (0.143) C:93% T:NA	pCi/L	07/18/23 10:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.384U ± 0.328 (0.662) C:84% T:95%	pCi/L	07/13/23 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.700U ± 0.466 (0.805)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-FB-02	Lab ID: 92674104007	Collected: 06/21/23 16:30	Received: 06/22/23 12:35	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0289U ± 0.0843 (0.208) C:75% T:NA	pCi/L	07/18/23 10:26	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.478U ± 0.354 (0.696) C:87% T:89%	pCi/L	07/13/23 12:09	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.507U ± 0.438 (0.904)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-EB-02	Lab ID: 92674104008	Collected: 06/21/23 16:35	Received: 06/22/23 12:35	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.135U ± 0.113 (0.203) C:93% T:NA	pCi/L	07/18/23 10:27	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.254U ± 0.321 (0.681) C:83% T:88%	pCi/L	07/13/23 12:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.389U ± 0.434 (0.884)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-FD-01 **Lab ID: 92674104009** Collected: 06/20/23 00:00 Received: 06/22/23 12:35 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.188 ± 0.110 (0.147) C:89% T:NA	pCi/L	07/18/23 12:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.733 ± 0.368 (0.628) C:87% T:81%	pCi/L	07/13/23 12:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.921 ± 0.478 (0.775)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-FB-01 **Lab ID: 92674104010** Collected: 06/20/23 14:20 Received: 06/22/23 12:35 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.103U ± 0.0976 (0.182) C:88% T:NA	pCi/L	07/18/23 12:48	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.544U ± 0.343 (0.643) C:82% T:90%	pCi/L	07/13/23 12:10	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.647U ± 0.441 (0.825)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-EB-01	Lab ID: 92674104011	Collected: 06/20/23 14:25	Received: 06/22/23 12:35	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.166U ± 0.106 (0.166) C:91% T:NA	pCi/L	07/18/23 12:49	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.324U ± 0.343 (0.713) C:84% T:82%	pCi/L	07/13/23 12:10	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.490U ± 0.449 (0.879)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-27 Lab ID: 92674476001 Collected: 06/23/23 10:30 Received: 06/26/23 12:25 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.237 ± 0.136 (0.182) C:76% T:NA	pCi/L	07/18/23 12:49	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.717U ± 0.426 (0.787) C:83% T:78%	pCi/L	07/14/23 11:43	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.954U ± 0.562 (0.969)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWC-27R **Lab ID: 92674476002** Collected: 06/23/23 13:42 Received: 06/26/23 12:25 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.154U ± 0.148 (0.301) C:87% T:NA	pCi/L	07/19/23 08:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.36 ± 0.470 (0.637) C:83% T:85%	pCi/L	07/14/23 11:43	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.51 ± 0.618 (0.938)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-31 Lab ID: 92674476003 Collected: 06/23/23 11:50 Received: 06/26/23 12:25 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.142U ± 0.132 (0.260) C:87% T:NA	pCi/L	07/19/23 08:38	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.704 ± 0.362 (0.624) C:80% T:93%	pCi/L	07/14/23 11:43	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.846U ± 0.494 (0.884)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWC-31R	Lab ID: 92674476004	Collected: 06/23/23 10:13	Received: 06/26/23 12:25	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.100U ± 0.116 (0.239) C:77% T:NA	pCi/L	07/19/23 08:38	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.175U ± 0.345 (0.760) C:81% T:86%	pCi/L	07/14/23 11:43	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.275U ± 0.461 (0.999)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-LF5-8-FB-03 Lab ID: 92674476005 Collected: 06/23/23 14:24 Received: 06/26/23 12:25 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.122U ± 0.102 (0.184) C:93% T:NA	pCi/L	07/19/23 08:39	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.887U ± 0.483 (0.895) C:82% T:86%	pCi/L	07/14/23 11:44	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.01U ± 0.585 (1.08)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-EB-03 **Lab ID: 92674476006** Collected: 06/23/23 14:30 Received: 06/26/23 12:25 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0389U ± 0.0947 (0.225) C:87% T:NA	pCi/L	07/19/23 08:39	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.436U ± 0.409 (0.841) C:84% T:83%	pCi/L	07/14/23 11:44	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.475U ± 0.504 (1.07)	pCi/L	07/19/23 15:24	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-FB-05 **Lab ID:** 92674104018 Collected: 06/27/23 18:45 Received: 06/29/23 09:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.198 ± 0.114 (0.141) C:87% T:NA	pCi/L	07/23/23 11:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.488U ± 0.335 (0.640) C:86% T:84%	pCi/L	07/13/23 12:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.686U ± 0.449 (0.781)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-EB-05 **Lab ID: 92674104019** Collected: 06/27/23 18:50 Received: 06/29/23 09:55 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.115U ± 0.125 (0.256) C:88% T:NA	pCi/L	07/23/23 11:56	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.555U ± 0.387 (0.751) C:82% T:85%	pCi/L	07/13/23 12:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.670U ± 0.512 (1.01)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWC-29R **Lab ID: 92674104020** Collected: 06/27/23 17:53 Received: 06/29/23 09:55 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.241U ± 0.160 (0.281) C:83% T:NA	pCi/L	07/23/23 14:07	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.625U ± 0.407 (0.783) C:83% T:88%	pCi/L	07/13/23 12:11	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.866U ± 0.567 (1.06)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-30 Lab ID: 92674104021 Collected: 06/27/23 09:50 Received: 06/29/23 09:55 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0793U ± 0.102 (0.214) C:73% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.403U ± 0.461 (0.974) C:82% T:78%	pCi/L	07/13/23 12:11	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.482U ± 0.563 (1.19)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWA-35 **Lab ID: 92674104022** Collected: 06/28/23 10:59 Received: 06/29/23 09:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.326 ± 0.152 (0.207) C:95% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.503U ± 0.358 (0.698) C:87% T:84%	pCi/L	07/13/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.829U ± 0.510 (0.905)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-FB-06 **Lab ID: 92674104023** Collected: 06/28/23 12:25 Received: 06/29/23 09:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0257U ± 0.0869 (0.217) C:85% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.383U ± 0.377 (0.774) C:81% T:81%	pCi/L	07/13/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.409U ± 0.464 (0.991)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-GWC-29	Lab ID: 92674104024	Collected: 06/26/23 13:13	Received: 06/29/23 09:55	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.248 ± 0.144 (0.211) C:77% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.569U ± 0.425 (0.848) C:85% T:84%	pCi/L	07/13/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.817U ± 0.569 (1.06)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-32 Lab ID: 92674104025 Collected: 06/26/23 14:40 Received: 06/29/23 09:55 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.194 ± 0.117 (0.172) C:88% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.500U ± 0.381 (0.759) C:87% T:86%	pCi/L	07/13/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.694U ± 0.498 (0.931)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-LF5-8-FD-02 Lab ID: 92674104026 Collected: 06/26/23 00:00 Received: 06/29/23 09:55 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.192 ± 0.116 (0.160) C:87% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.70 ± 0.555 (0.770) C:83% T:87%	pCi/L	07/13/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.89 ± 0.671 (0.930)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-FB-04 **Lab ID: 92674104027** Collected: 06/26/23 15:35 Received: 06/29/23 09:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0403U ± 0.0808 (0.187) C:94% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.212U ± 0.367 (0.800) C:82% T:88%	pCi/L	07/14/23 11:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.252U ± 0.448 (0.987)	pCi/L	07/25/23 08:51	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Sample: BOW-LF5-8-EB-04 **Lab ID: 92674104028** Collected: 06/26/23 15:45 Received: 06/29/23 09:55 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0922U ± 0.109 (0.227) C:90% T:NA	pCi/L	07/23/23 14:08	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.626U ± 0.415 (0.801) C:83% T:88%	pCi/L	07/14/23 11:45	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.718U ± 0.524 (1.03)	pCi/L	07/25/23 08:51	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

QC Batch:	599114	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92674104001, 92674104002, 92674104003, 92674104004, 92674104005, 92674104006, 92674104007, 92674104008, 92674104009, 92674104010, 92674104011, 92674476001, 92674476002, 92674476003, 92674476004, 92674476005, 92674476006

METHOD BLANK:	2912014	Matrix:	Water
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Associated Lab Samples: 92674104001, 92674104002, 92674104003, 92674104004, 92674104005, 92674104006, 92674104007, 92674104008, 92674104009, 92674104010, 92674104011, 92674476001, 92674476002, 92674476003, 92674476004, 92674476005, 92674476006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0176 ± 0.115 (0.288) C:95% T:NA	pCi/L	07/18/23 09:39	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

QC Batch:	600224	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92674104027, 92674104028, 92674476001, 92674476002, 92674476003, 92674476004, 92674476005, 92674476006

METHOD BLANK:	2917582	Matrix:	Water
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Associated Lab Samples: 92674104027, 92674104028, 92674476001, 92674476002, 92674476003, 92674476004, 92674476005, 92674476006

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.566 ± 0.361 (0.678) C:82% T:90%	pCi/L	07/14/23 15:04	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

QC Batch:	599332	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92674104001, 92674104002, 92674104003, 92674104004, 92674104005, 92674104006, 92674104007, 92674104008, 92674104009, 92674104010, 92674104011, 92674104018, 92674104019, 92674104020, 92674104021, 92674104022, 92674104023, 92674104024, 92674104025, 92674104026

METHOD BLANK:	2912795	Matrix:	Water
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Associated Lab Samples: 92674104001, 92674104002, 92674104003, 92674104004, 92674104005, 92674104006, 92674104007, 92674104008, 92674104009, 92674104010, 92674104011, 92674104018, 92674104019, 92674104020, 92674104021, 92674104022, 92674104023, 92674104024, 92674104025, 92674104026

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.267 ± 0.277 (0.571) C:87% T:91%	pCi/L	07/13/23 12:08	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

QC Batch:	599623	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92674104018, 92674104019, 92674104020, 92674104021, 92674104022, 92674104023, 92674104024, 92674104025, 92674104026, 92674104027, 92674104028

METHOD BLANK:	2914450	Matrix:	Water
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Associated Lab Samples: 92674104018, 92674104019, 92674104020, 92674104021, 92674104022, 92674104023, 92674104024, 92674104025, 92674104026, 92674104027, 92674104028

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.129 ± 0.0964 (0.155) C:93% T:NA	pCi/L	07/23/23 11:54	

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QUALIFIERS

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92674104001	BOW-GWC-26	EPA 9315	599114		
92674104002	BOW-GWC-28	EPA 9315	599114		
92674104003	BOW-GWA-33R	EPA 9315	599114		
92674104004	BOW-GWA-57	EPA 9315	599114		
92674104005	BOW-GWA-34	EPA 9315	599114		
92674104006	BOW-GWA-34R	EPA 9315	599114		
92674104007	BOW-LF5-8-FB-02	EPA 9315	599114		
92674104008	BOW-LF5-8-EB-02	EPA 9315	599114		
92674104009	BOW-LF5-8-FD-01	EPA 9315	599114		
92674104010	BOW-LF5-8-FB-01	EPA 9315	599114		
92674104011	BOW-LF5-8-EB-01	EPA 9315	599114		
92674476001	BOW-GWC-27	EPA 9315	599114		
92674476002	BOW-GWC-27R	EPA 9315	599114		
92674476003	BOW-GWC-31	EPA 9315	599114		
92674476004	BOW-GWC-31R	EPA 9315	599114		
92674476005	BOW-LF5-8-FB-03	EPA 9315	599114		
92674476006	BOW-LF5-8-EB-03	EPA 9315	599114		
92674104018	BOW-LF5-8-FB-05	EPA 9315	599623		
92674104019	BOW-LF5-8-EB-05	EPA 9315	599623		
92674104020	BOW-GWC-29R	EPA 9315	599623		
92674104021	BOW-GWC-30	EPA 9315	599623		
92674104022	BOW-GWA-35	EPA 9315	599623		
92674104023	BOW-LF5-8-FB-06	EPA 9315	599623		
92674104024	BOW-GWC-29	EPA 9315	599623		
92674104025	BOW-GWC-32	EPA 9315	599623		
92674104026	BOW-LF5-8-FD-02	EPA 9315	599623		
92674104027	BOW-LF5-8-FB-04	EPA 9315	599623		
92674104028	BOW-LF5-8-EB-04	EPA 9315	599623		
92674104001	BOW-GWC-26	EPA 9320	599332		
92674104002	BOW-GWC-28	EPA 9320	599332		
92674104003	BOW-GWA-33R	EPA 9320	599332		
92674104004	BOW-GWA-57	EPA 9320	599332		
92674104005	BOW-GWA-34	EPA 9320	599332		
92674104006	BOW-GWA-34R	EPA 9320	599332		
92674104007	BOW-LF5-8-FB-02	EPA 9320	599332		
92674104008	BOW-LF5-8-EB-02	EPA 9320	599332		
92674104009	BOW-LF5-8-FD-01	EPA 9320	599332		
92674104010	BOW-LF5-8-FB-01	EPA 9320	599332		
92674104011	BOW-LF5-8-EB-01	EPA 9320	599332		
92674476001	BOW-GWC-27	EPA 9320	600224		
92674476002	BOW-GWC-27R	EPA 9320	600224		
92674476003	BOW-GWC-31	EPA 9320	600224		
92674476004	BOW-GWC-31R	EPA 9320	600224		
92674476005	BOW-LF5-8-FB-03	EPA 9320	600224		
92674476006	BOW-LF5-8-EB-03	EPA 9320	600224		
92674104018	BOW-LF5-8-FB-05	EPA 9320	599332		
92674104019	BOW-LF5-8-EB-05	EPA 9320	599332		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5&8 Back- RADS

Pace Project No.: 92674104

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92674104020	BOW-GWC-29R	EPA 9320	599332		
92674104021	BOW-GWC-30	EPA 9320	599332		
92674104022	BOW-GWA-35	EPA 9320	599332		
92674104023	BOW-LF5-8-FB-06	EPA 9320	599332		
92674104024	BOW-GWC-29	EPA 9320	599332		
92674104025	BOW-GWC-32	EPA 9320	599332		
92674104026	BOW-LF5-8-FD-02	EPA 9320	599332		
92674104027	BOW-LF5-8-FB-04	EPA 9320	600224		
92674104028	BOW-LF5-8-EB-04	EPA 9320	600224		
92674104001	BOW-GWC-26	Total Radium Calculation	602713		
92674104002	BOW-GWC-28	Total Radium Calculation	602713		
92674104003	BOW-GWA-33R	Total Radium Calculation	602713		
92674104004	BOW-GWA-57	Total Radium Calculation	602713		
92674104005	BOW-GWA-34	Total Radium Calculation	602713		
92674104006	BOW-GWA-34R	Total Radium Calculation	602713		
92674104007	BOW-LF5-8-FB-02	Total Radium Calculation	602713		
92674104008	BOW-LF5-8-EB-02	Total Radium Calculation	602713		
92674104009	BOW-LF5-8-FD-01	Total Radium Calculation	602713		
92674104010	BOW-LF5-8-FB-01	Total Radium Calculation	602713		
92674104011	BOW-LF5-8-EB-01	Total Radium Calculation	602713		
92674476001	BOW-GWC-27	Total Radium Calculation	602713		
92674476002	BOW-GWC-27R	Total Radium Calculation	602713		
92674476003	BOW-GWC-31	Total Radium Calculation	602713		
92674476004	BOW-GWC-31R	Total Radium Calculation	602713		
92674476005	BOW-LF5-8-FB-03	Total Radium Calculation	602713		
92674476006	BOW-LF5-8-EB-03	Total Radium Calculation	602713		
92674104018	BOW-LF5-8-FB-05	Total Radium Calculation	603834		
92674104019	BOW-LF5-8-EB-05	Total Radium Calculation	603834		
92674104020	BOW-GWC-29R	Total Radium Calculation	603834		
92674104021	BOW-GWC-30	Total Radium Calculation	603834		
92674104022	BOW-GWA-35	Total Radium Calculation	603834		
92674104023	BOW-LF5-8-FB-06	Total Radium Calculation	603834		
92674104024	BOW-GWC-29	Total Radium Calculation	603834		
92674104025	BOW-GWC-32	Total Radium Calculation	603834		
92674104026	BOW-LF5-8-FD-02	Total Radium Calculation	603834		
92674104027	BOW-LF5-8-FB-04	Total Radium Calculation	603834		
92674104028	BOW-LF5-8-EB-04	Total Radium Calculation	603834		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G.A. Power

Project #: **WO#: 92674104**



Courier: Commercial Fed Ex UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 6/22/23
AW

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 214 Type of ice: Wet Blue None

Cooler Temp: 3.2 Correction Factor: Add/Subtract (°C) 40.1

Temp should be above freezing to 5°C Samples out of temp criteria. Samples on ice. Cooling process has begun

Cooler Temp Corrected (°C): 3.3

USDA Regulated Soil N/A, water sample) Did samples originate in a quarantine zone within the United States (CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Includes Date/Time/ID/Analysis Matrix <u>W</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY Field Data Required? Yes No

Lot ID of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCRF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

Project # **WO# : 92674104**

PH: 8V Due Date: 07/21/23

CLIENT: 92-GP-BOMLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VDA, Dniform, TCC, Oil and Grease, CRG/BCIS (water) DUK, LMG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	Name	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-1.25 mL Plastic Unpreserved (N/A) (C1)			2										
BP3U-250 mL Plastic Unpreserved (N/A)			2										
BP2U-500 mL Plastic Unpreserved (N/A)			2										
BP3U-1 liter Plastic Unpreserved (N/A)													
BP4S-1.25 mL Plastic H2SO4 (pH < 2) (C1)													
BP3N-250 mL Plastic HClO3 (pH < 2)													
BP4Z-1.25 mL Plastic 2N Acetic & NaOH (pH < 2)													
BP4B-1.25 mL Plastic HNO3 (pH > 12) (C1)													
WGSU-Wide-mouthed Glass jar Unpreserved													
AG3U-1 liter Amber unpreserved (N/A) (C1)													
AG3H-1 liter Amber HCl (pH < 2)													
AG3U-1.25 mL Amber Unpreserved (N/A) (C1)													
AG3S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
AG3B-40 mL Amber N/A (C1)													
D69H-40 mL VDA HC (N/A)													
V69T-40 mL VDA Na2S2O3 (N/A)													
V69U-40 mL VDA Unpreserved (N/A)													
D69N-40 mL VDA H3PO4 (N/A)													
K27U-50 mL Plastic Unpreserved (N/A)													
V16K (3 vials per kit) (N/A)													
BP3A-1.25 mL Sterile Plastic (N/A - 1/b)													
BP2T-250 mL Sterile Plastic (N/A - 1/b)													
BP4B-1.25 mL Plastic (N/A) (pH 3-9) (C1)													
AG6U-100 mL Amber Unpreserved (N/A) (C1)													
W69U-20 mL Seint Italian vials (N/A)													
D69U-40 mL Amber unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DERM Certification Office i.e. Out of hold, incorrect preservation, out of temp, incorrect containers

Page

Submitting a sample via the chain of custody constitutes acknowledgment and acceptance of the Page Terms and Conditions found at <http://www.kerco.com> under section 10.1

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A: Required Client Information:

Company: Georgia Power
 Address: 241 Riverchase Blvd NE
 Atlanta, GA 30329
 Email: Kerco@georgiapower.com
 Phone: (478) 515-0000
 Analytical Item Code: Standard

Section B: Required Project Information:

Project Name: Downstream Energy Services
 Client: Georgia Power
 Project #:

Section C: Analytical Information:

Requester: *[Handwritten Name]*
 Company Name: Georgia Power
 Address: 241 Riverchase Blvd NE, Atlanta, GA 30329
 Phone: (478) 515-0000
 Email: kerco@georgiapower.com
 Project #:

ITEM #	DESCRIPTION	MATRIX CODE	SAMPLE TYPE	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVED							ANALYSED TEST	ANALYSIS UNIT	REMARKS	RECEIVED ON (Y/N)	CURED/SEAL/COVER (Y/N)	SAMPLE NO.
				DATE	TIME		UNPRESERVED	H2BO2	HNO3	HCl	H2SO4	HF	HF/NO2						
13	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
14	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
15	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
16	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
17	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
18	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
19	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
20	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
21	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
22	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																
23	DOWNSTREAM	WDG G	IS-GRAVE G-COUP																

Section D: Additional Information

Requested by: *[Handwritten Name]*
 Date: *[Handwritten Date]*
 Location: *[Handwritten Location]*

Section E: Special Handling and Signature

Special Handling: *[Handwritten Note]*
 Signature: *[Handwritten Signature]*
 Title: *[Handwritten Title]*

Received on: *[Handwritten Date]*
 Cured/Seal/Cover: *[Handwritten Status]*
 Sample No.: *[Handwritten Number]*



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2012

Laboratory receiving samples:

Ashville Eden Greenwood Huntersville Raleigh Mechanicsville Asheville Greenville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92674104

Courier: Fed Ex UPS USPS Client Commercial Pace Other

PH: BY Due Date: 08/27/23

CLIENT: 92-GP-80MLF

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initials Person Examining Contents: 6/26/23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer: IRT/UNID

083

Type of Ice: Wet Dry None

Cooler Temp: 5.3 Correction Factor: Add/Subtract (°C) -1.1

Temp should be above freezing to 5°C Samples not at temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.4

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Taiwan and Puerto Rico)? Yes No

				Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Samples Analyzed within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	6.
Pack Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Dissolved Analysis: Samples Field Filtered?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.
Includes Date/Time/ID/Analysis Matrix: <u>W</u>				
Headspace in VOA Vials (>5.6mm)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/RODS (water), CCC, L.Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project # **WO# : 92674104**

PH: BY

Due Date: 06/27/23

CLIENT: 02-09-00MLF

Num#	8190-125 mL Plastic Unpreserved (N/A) (C)	8230-250 mL Plastic Unpreserved (N/A)	0P2U-500 mL Nalgene Unpreserved (N/A)	0P1U-1 liter 2 liter Unpreserved (N/A)	8045-125 mL Plastic HDPE (pH < 7) (C)	8193N-250 mL Plastic HDPE (pH < 7)	8045-125 mL Plastic HDPE (pH > 7) (C)	W611A-White-meshed 6.8% (or Unpreserved)	001U-1 liter Amber Unpreserved (N/A) (C)	AG1H-1 liter Amber HCl (pH < 2)	AG1B-250 mL Amber Unpreserved (N/A) (C)	AG1S-1 liter Amber N2O5 (pH < 2)	AG1S-250 mL Amber N2O5 (pH < 2)	DG94-4C mL Amber HNO3 (pH < 1)	DG9H-60 mL VOA HCl (N/A)	V69F-40 mL VOA H2SO4 (N/A)	V69U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H2PO4 (N/A)	BP7U-50 mL Plastic Unpreserved (N/A)	U/60-15 vials per kit-22% (Ge: kit) (N/A)	595T-115 mL Sterile Plastic (N/A - 30)	595T-250 mL Sterile Plastic (N/A - 10)	BP90-250 mL Plastic (NH4) (S, J, 9, 7)	AG6U-400 mL Amber Unpreserved (N/A) (C)	V80U-20 mL Spectation vials (N/A)	DG9U-60 mL Amber Unpreserved vials (N/A)		
1		2																										
2		2																										
3		2																										
4		2																										
5		7																										
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Loc #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (if out of hold, incorrect preservative, out of temp, incorrect containers).

Page

Submitting a sample via the Chain of Custody is a legal document and acceptance of the Page Form and Contents found on this site provides a legal acknowledgment of

Section A
Section B
Section C

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 7 of 7

Requested Client Information:

Company: George Power
 Address: 181 Ripley West Blvd. Inc
 Phone: GA 570-211-4400
 Email: ga@geopower.com
 Requested Date: Sample ID

Requester Project Information:

Project To: Yamaha America Center Building
 Project For: Yamaha America Center Building
 Project Name: North Drive
 Requested Date: Sample ID

Analytical Information:

Company Name: George Power
 Address: 241 North West Blvd NE Atlanta GA 30306
 Phone: 404-251-4400
 Requested Date: Sample ID

SAMPLE ID	ANALYSE	DATE	TIME	SAMPLE TEMP AT COLLECTION	VOLUME	PRESERVATION										ANALYSIS TEST	RESIDUAL CHARGE (V/N)		
						LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄	LiAlH ₄			LiAlH ₄	LiAlH ₄
13	SON-026-01																		
14	SON-026-02																		
15	SON-026-03																		
16	SON-026-04																		
17	SON-026-05																		
18	SON-026-06																		
19	SON-026-07																		
20	SON-026-08																		
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23	SON-026-11																		
24	SON-026-12																		
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97	SON-026-85																		
98	SON-026-86																		
99	SON-026-87																		
100	SON-026-88																		

Special Name and Address:

Personnel Name: Kevin Williams
 Address: 1235 Peachtree Avenue NE Atlanta GA 30309
 Phone: 404-251-1235

Requester Information:

Requester Name: Kevin Williams
 Title: Project Manager
 Company: George Power
 Address: 181 Ripley West Blvd. Inc
 Phone: 570-211-4400
 Email: ga@geopower.com

Analyst Information:

Analyst Name: Chellie
 Title: Analyst
 Company: George Power
 Address: 181 Ripley West Blvd. Inc
 Phone: 570-211-4400
 Email: ga@geopower.com



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Meridianville Atlanta Marietta

WO#: 92674104

PN: BV Due Date: 07/14/23

CLIENT: 92-GP-BOWLF

Sample Condition Upon Receipt

Client Name: GA POWER

Project #:

Courier: Fed Ex UPS USPS Client Commercial PACE Other

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 6/29/23 TGH

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 230 Type of Ice: Dry Blue None

Cooler Temp: 5.6 Correction Factor: Add/Subtract (°C) 10.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.6

USDA Regulated Soil N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (international), including Hawaii and Puerto Rico? Yes No

Comments/Discrepancy:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6	
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8	
Sample Labels Match CDC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9	
Includes Date/Time/ID/Analysis Matrix:	<input checked="" type="checkbox"/> Yes		
Headspace in VDA Vials (>5.6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCRF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92674104

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BY

Due Date: 07/14/23

Exceptions: VOA, Coliform, TOC, Dill and Grease, DRUG/BDIS (water) DOC, UMG

CLIENT: 92-GP-80MLP

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for Chlorine

Issued	BP01-15 mL Plastic Unpreserved (N/A) (C1)	BP02-250 mL Plastic Unpreserved (N/A)	BP03-500 mL Plastic Unpreserved (N/A)	BP04-1 liter Plastic Unpreserved (N/A)	BP05-225 mL Plastic H2SO4 (pH < 2) (C1)	BP06-250 mL Plastic HNO3 (pH < 2)	BP07-125 mL Plastic 2N Acetic Acid (pH < 2)	BP08-125 mL Plastic NaOH (pH > 12) (C1)	W2-Ultra-modified Glass Jar Unpreserved	AG10-1 liter Amber Unpreserved (N/A) (C1)	AG11-1 liter Amber H2O (pH < 2)	AG21-250 mL Amber Unpreserved (N/A) (C1)	AG22-1 liter Amber H2SO4 (pH < 2)	AG23-250 mL Amber HNO3 (pH < 2)	AG24-10 mL Amber NRE (N/A) (C1)	AG25-40 mL VOA (C1) (N/A)	AG26-40 mL VOA Unpreserved (N/A)	AG27-40 mL VOA H2O4 (N/A)	AG28-50 mL Plastic Unpreserved (N/A)	AG29-13 vials per MW-VFA (C1) (N/A)	SP01-125 mL Sterile Plastic (N/A - Lab)	SP02-250 mL Sterile Plastic (N/A - Lab)	BP09-250 mL Plastic Unpreserved (N/A) (C1)	AG30-100 mL Amber Unpreserved (N/A) (C1)	AG31-100 mL Sterile (N/A)	AG32-40 mL Amber Unpreserved (N/A)			
1	2	1																											
2	2	1																											
3	2	1																											
4	2	1																											
5	2	1																											
6	2	1																											
7	2	1																											
8	2	1																											
9	2	1																											
10	2	1																											
11	2	1																											
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting Month/Compliance samples, a copy of this form will be sent to the North Carolina DEWT Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers)

Page

Submitting a sample to this chain of custody establishes agreement, consent and acceptance of the Party Terms and Conditions listed in this form and constitutes acknowledgment for

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All required fields must be completed accurately.

Section A: Requested Client Information, Section B: Requested Project Information, Section C: Analytical Information

Client Information: Company Name, Address, Contact Info. Project Information: Project Name, Location, Dates. Analytical Information: Sample Type, Matrix, Collection Date/Time, Containers, Preservation, Analysis Tests.

Table with columns: ITEM #, SAMPLE ID, MATRIX, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP, # OF CONTAINERS, Preservation, Analysis Tests, Retention Control.

Main data table with rows for items 15-24. Includes handwritten sample IDs like 'NON-DMA-F1', 'BOW-COM-24', 'BOW-COM-21', 'BOW-COM-20', 'BOW-COM-19', 'BOW-COM-18', 'BOW-COM-17', 'BOW-COM-16', 'BOW-COM-15', 'BOW-COM-14', 'BOW-COM-13', 'BOW-COM-12', 'BOW-COM-11', 'BOW-COM-10', 'BOW-COM-09', 'BOW-COM-08', 'BOW-COM-07', 'BOW-COM-06', 'BOW-COM-05', 'BOW-COM-04', 'BOW-COM-03', 'BOW-COM-02', 'BOW-COM-01'.

Signature and Date fields for 'Requested by/Submitted' and 'Accepted by/Analyst'.

Footer section: Laboratory Name and Signature, Received on, Custody Sealed, Sample Initials.

Page

Submitting a Sample via this Chain of Custody constitutes acknowledgment and acceptance of the Terms and Conditions found at the end of this form. No specific contribution identification is required.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Requested Client Information:	Requested Project Information:	Special Information:
Company: George Power	Project To: Roman James (Solid) Business	Location:
Address: 701 Ralph McGill Blvd NE	City To: Little Rock, Ark 72203, USA	Company Name: George Power
Phone: (410) 371-9200	Project Code: 5-1	Address: 241 Ralph McGill Blvd NE, Little Rock, AR 72203
Sample ID: Standard	Project Name: Brownlee Case (see Background Report #1)	Phone: (410) 371-9200
	Project #:	Phone: (410) 371-9200

ITEM #	SAMPLE ID	DATE	TIME	ANALYSIS TESTS	PRESERVATION		ANALYSIS TESTS	TEMP IN C	RECEIVED BY (Y/N)	COOLING (Y/N)	EMPLE (Y/N)
					UNPRESERVED	FROZEN					
13	BOW-GWLS-27	6/26/23	1535	Y/N							
14	BOW-GWLS-24	6/26/23	1535	Y/N							
15	BOW-GWLS-24	6/26/23	1535	Y/N							
16	BOW-GWLS-24	6/26/23	1535	Y/N							
17	BOW-GWLS-24	6/26/23	1535	Y/N							
18	BOW-GWLS-24	6/26/23	1535	Y/N							
19	BOW-GWLS-24	6/26/23	1535	Y/N							
20	BOW-GWLS-24	6/26/23	1535	Y/N							
21	BOW-GWLS-24	6/26/23	1535	Y/N							
22	BOW-GWLS-24	6/26/23	1535	Y/N							
23	BOW-GWLS-24	6/26/23	1535	Y/N							
24	BOW-GWLS-24	6/26/23	1535	Y/N							

Requested Client Information:	Requested Project Information:	Special Information:
Company: George Power	Project To: Roman James (Solid) Business	Location:
Address: 701 Ralph McGill Blvd NE	City To: Little Rock, Ark 72203, USA	Company Name: George Power
Phone: (410) 371-9200	Project Code: 5-1	Address: 241 Ralph McGill Blvd NE, Little Rock, AR 72203
Sample ID: Standard	Project Name: Brownlee Case (see Background Report #1)	Phone: (410) 371-9200
	Project #:	Phone: (410) 371-9200

Page: 2 of 2

Quality Control Sample Performance Assessment

MSDC Analytical

Analyst Must Manually Enter all Fields Highlighted in Yellow

File: R4-278
 AN: 954
 Date: 7/17/2005
 Version: 7.0100
 MSJing: 01

Method Blank Assessment

MS Sample ID: 241050
 MS Concentration: 0.968
 MS Target Conc: 0.961
 MS % Rec: 0.076
 MS Sample Performance Index: 5.111
 MS Sample Performance Index: 7.94
 MS Sample Performance Index: 1.000

Calibration Curve of Sample Assessment

Conc. (ng/ml)	MSDC (ng/ml)
0.000	0.000
0.968	0.968
1.936	1.936
2.904	2.904
3.872	3.872
4.840	4.840
5.808	5.808
6.776	6.776
7.744	7.744
8.712	8.712
9.680	9.680

MSDC vs. Sample Concentration
 MSDC vs. Recovery
 MSDC vs. Recovery Limits
 MSDC vs. Recovery Limits

Sample Matrix Spike Control Assessment

Sample Concentration: 0.968
 Sample MSDC: 0.961
 Sample MS % Rec: 0.076
 Sample MS Performance Index: 5.111
 Sample MS Performance Index: 7.94
 Sample MS Performance Index: 1.000

MSDC Target Conc: 0.961
 MSDC Sample Performance Index: 5.111
 MSDC Sample Performance Index: 7.94
 MSDC Sample Performance Index: 1.000

MSDC vs. Recovery
 MSDC vs. Recovery Limits
 MSDC vs. Recovery Limits

Duplicate Sample Assessment

Sample ID	MSDC (ng/ml)
241050	0.968
241051	0.961
241052	0.968
241053	0.961
241054	0.968
241055	0.961
241056	0.968
241057	0.961
241058	0.968
241059	0.961
241060	0.968

MSDC vs. Recovery
 MSDC vs. Recovery Limits
 MSDC vs. Recovery Limits

Matrix Spike Matrix Spike Control Assessment

Sample Concentration: 0.968
 Sample MSDC: 0.961
 Sample MS % Rec: 0.076
 Sample MS Performance Index: 5.111
 Sample MS Performance Index: 7.94
 Sample MS Performance Index: 1.000

MSDC Target Conc: 0.961
 MSDC Sample Performance Index: 5.111
 MSDC Sample Performance Index: 7.94
 MSDC Sample Performance Index: 1.000

MSDC vs. Recovery
 MSDC vs. Recovery Limits
 MSDC vs. Recovery Limits

MS activity = max, Pass
 7/17/2005

MSDC vs. Recovery
 MSDC vs. Recovery Limits
 MSDC vs. Recovery Limits

7/17/2005

Quality Control Sample Performance Assessment

Page Analytical
 10/26/2023

Test: Pb 230
 Analyzed: ZPC
 Date: 10/26/2023
 Worksheet: 74-28
 Analyst: WJ

Unlabeled Blank Assessment

M1 Sample ID	20-2705
M2 Concentration	0.267
M2 Signal Count	0.277
M2 MDC	0.571
M2 Normalized to Instrumental Polarity	1.59
M2 Signal to Normalized Indicator	0.624
M2 Signal to MDC	0.468

Laboratory Control Sample Assessment

CCEDID or NIT	LS074128	7
Control Sample	LS074128	22-000
Sample ID	20-2705	31-945
Sample Concentration (µg/mL)	0.12	0.207
Sample Volume (µL)	0.207	1.368
Target Value (µg/mL)	0.194	1.451
Recovery (%)	3.376	1.502
LS074128 Signal Count	0.504	3.27
LS074128 Signal to MDC	4.28	16.674
LS074128 Signal to Instrumental Polarity	9.286	36.6
LS074128 Signal to Normalized Indicator	19.6	76.8
LS074128 Signal to Recovery	15.6	60.4
LS074128 Signal to MDC	13.9	53.6
LS074128 Signal to Recovery	11.6	45.4
LS074128 Signal to MDC	9.2	35.8
LS074128 Signal to Recovery	7.6	29.6

Duplicate Sample Assessment

Sample ID	LS074128	7
Sample ID	LS074128	22-000
Sample Concentration (µg/mL)	0.12	0.207
Sample Volume (µL)	0.207	1.368
Target Value (µg/mL)	0.194	1.451
Recovery (%)	3.376	1.502
LS074128 Signal Count	0.504	3.27
LS074128 Signal to MDC	4.28	16.674
LS074128 Signal to Instrumental Polarity	9.286	36.6
LS074128 Signal to Normalized Indicator	19.6	76.8
LS074128 Signal to Recovery	15.6	60.4
LS074128 Signal to MDC	13.9	53.6
LS074128 Signal to Recovery	11.6	45.4
LS074128 Signal to MDC	9.2	35.8
LS074128 Signal to Recovery	7.6	29.6

Analyze Mixed Manually, Enter All Fields Highlighted in Yellow.

Sample Matrix Spike Control Assessment	MSMS01	MSMS02
<p>Sample Collection Date: Sample ID: Sample MS-01: Sample MS-02:</p> <p>MS MS0 Dosing Concentration Spike Concentration (µg/mL): Spike Volume (µL): MS MS01: MS MS02:</p> <p>MS Target Concentration (µg/mL): MS MS01: MS MS02:</p> <p>MS Spike Uncertainty (µg/mL): MS MS01: MS MS02:</p> <p>MS0 Spike Uncertainty (µg/mL): MS MS01: MS MS02:</p> <p>Sample Result: Sample Value (µg/mL):</p> <p>Matrix Spike Result 1 and MS01 (µg/mL):</p> <p>Matrix Spike Result 2 and MS02 (µg/mL):</p> <p>MS Recovery Percentages (µg/mL):</p> <p>MS0 Recovery Percentages (µg/mL):</p>		

Matrix Spike Matrix Spike Duplicate Sample Assessment

Sample ID	Sample MS-01	Sample MS-02
Sample ID	Sample MS-01	Sample MS-02
Sample Concentration (µg/mL)	Sample MS-01	Sample MS-02
Sample Volume (µL)	Sample MS-01	Sample MS-02
Target Value (µg/mL)	Sample MS-01	Sample MS-02
Recovery (%)	Sample MS-01	Sample MS-02
MS01 Signal Count	Sample MS-01	Sample MS-02
MS01 Signal to MDC	Sample MS-01	Sample MS-02
MS01 Signal to Instrumental Polarity	Sample MS-01	Sample MS-02
MS01 Signal to Normalized Indicator	Sample MS-01	Sample MS-02
MS01 Signal to Recovery	Sample MS-01	Sample MS-02
MS01 Signal to MDC	Sample MS-01	Sample MS-02
MS01 Signal to Recovery	Sample MS-01	Sample MS-02

MS Recovery in duplicate recovery is 1.1 and 0.87, other Pb sample in duplicate results are below the MDC

Handwritten signature

Comments

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed one data package from Pace Analytical for the analysis of water samples collected from June 20 to June 28, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Monitoring Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- SW-846-6010D – Zinc and Calcium by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846-6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)

Data were reviewed and validated as described in the groundwater monitoring plan, Region IV Data Validation Standard Operating Procedures (September 2011) and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, eleven (11) field blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at temperatures ranging from 3.3°C to 5.6°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

- Calcium was detected in the field blanks BOW-LF5-8-FB-02 (06/21/2023) and BOW-LF5-8-FB-01 (06/20/2023) at concentrations below the laboratory Reporting Limit (RL). All associated samples were reported with concentrations greater than 10 times the blank and therefore no qualification was necessary.
- Zinc was detected in the equipment blank BOW-LF5-8-EB-02 (06/20/2023) at a concentration above the laboratory Reporting Limit (RL). All associated samples were reported as not detected and therefore no qualification was necessary.
- Calcium and zinc were detected in the equipment blank BOW-LF5-8-EB-01 (06/20/2023). Calcium was detected at a concentration below the laboratory Reporting Limit (RL) and zinc was detected above the RL. All associated samples were reported as either not detected or with concentrations greater than 10 times the blank and therefore no qualification was necessary.
- TDS was detected in the field blanks BOW-LF5-8-FB-05 (06/27/2023), BOW-LF5-8-FB-06 (06/28/2023), and BOW-LF5-8-EB-04 (06/26/2023) at concentrations above the laboratory Reporting Limit (RL). Six samples (BOW-GWC-29R, BOW-GWC-30, BOW-GWC-35, BOW-GWC-29, BOW-GWC-32, and BOW-LF5-8-FD-02) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

- Calcium in BOW-GWC-26 and BOW-GWC-29R had low MS/MSD percent recoveries. However, the spiking concentration was less than 30% of the concentration reported for the parent sample and therefore not appropriate for evaluation.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Tables 3a and b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Bowen Groundwater Monitoring Plan. September.

United States Environmental Protection Agency (USEPA), 2011. Region IV Data Validation Standard Operating Procedures. September.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (Cells 5 - 8)
 Analytical Report Nos. 92674084
 July 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWC-26	92674084001	92674084	6/20/2023
BOW-GWC-28	92674084002	92674084	6/20/2023
BOW-GWA-33R	92674084003	92674084	6/20/2023
BOW-GWA-57	92674084004	92674084	6/21/2023
BOW-GWA-34	92674084005	92674084	6/21/2023
BOW-GWA-34R	92674084006	92674084	6/21/2023
BOW-LF5-8-FB-02	92674084007	92674084	6/21/2023
BOW-LF5-8-EB-02	92674084008	92674084	6/21/2023
BOW-LF5-8-FD-01	92674084009	92674084	6/20/2023
BOW-LF5-8-FB-01	92674084010	92674084	6/20/2023
BOW-LF5-8-EB-01	92674084011	92674084	6/20/2023
BOW-GWC-27	92674478001	92674084	6/23/2023
BOW-GWC-27R	92674478002	92674084	6/23/2023
BOW-GWC-31	92674478003	92674084	6/23/2023
BOW-GWC-31R	92674478004	92674084	6/23/2023
BOW-LF5-8-FB-03	92674478005	92674084	6/23/2023
BOW-LF5-8-EB-03	92674478006	92674084	6/23/2023
BOW-LF5-8-FB-05	92674084018	92674084	6/27/2023
BOW-LF5-8-EB-05	92674084019	92674084	6/27/2023
BOW-GWC-29R	92674084020	92674084	6/27/2023
BOW-GWC-30	92674084021	92674084	6/27/2023
BOW-GWC-35	92674084022	92674084	6/28/2023
BOW-LF5-8-FB-06	92674084023	92674084	6/28/2023
BOW-GWC-29	92674084024	92674084	6/26/2023
BOW-GWC-32	92674084025	92674084	6/26/2023
BOW-LF5-8-FD-02	92674084026	92674084	6/26/2023
BOW-LF5-8-FB-04	92674084027	92674084	6/26/2023
BOW-LF5-8-EB-04	92674084028	92674084	6/26/2023

Stantec
 Georgia Power – Bowen (Cells 5 - 8)
 Analytical Report Nos. 92674084
 July 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWC-29R	TDS	J	Detected in FB
BOW-GWC-30	TDS	J	Detected in FB
BOW-GWC-35	TDS	J	Detected in FB
BOW-GWC-29	TDS	J	Detected in FB
BOW-GWC-32	TDS	J	Detected in FB
BOW-LF5-8-FD-02	TDS	J	Detected in FB

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-26 / BOW-LF5-8-FD-01	Calcium	43.7	44.3	1.4%	A
	Barium	0.019	0.018	NA	A*
	Boron	0.023 J	0.016 J	NA	A*
	Molybdenum	0.0032 J	0.0026 J	NA	A*
	TDS	205	212	3.4%	A
	Chloride	6.5	6.8	4.5%	A
	Sulfate	22.9	23.4	2.2%	A

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 5 - 8)
 Analytical Report Nos. 92674084
 July 2023

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-29 / BOW-LF5-8-FD-02	Calcium	23.1	21.8	5.8%	A
	Barium	0.029	0.027	NA	A*
	Cobalt	0.00053 J	0.00048 J	NA	A*
	Lithium	0.0032 J	0.0030 J	NA	A*
	Molybdenum	0.013	0.012	NA	A*
	Thallium	0.00023 J	0.00023 J	NA	A*
	TDS	155	140	10.2%	A
	Chloride	2.7	2.7	NA	A*
	Fluoride	0.12	0.12	NA	A*
	Sulfate	1.1	1.1	NA	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed one data package from Pace Analytical for the analysis of water samples collected from June 20 to June 28, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Monitoring Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- EPA Method 9320 – Radium 228
- EPA Method 9315 – Radium 226

Data were reviewed and validated as described in the groundwater monitoring plan, Region IV Data Validation Standard Operating Procedures (September 2011) and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, eleven (11) field blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the minimum detectable concentration (MDC).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperatures of 3.3°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

- Radium-226 was detected in the field blank BOW-LF5-8-FB-05 (0.198 pCi/L, 06/27/2023) at

concentrations above the laboratory Minimum Detectable Concentration (MDC). All associated samples were reported as not detected and therefore no qualification was necessary.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries were not applicable to these analyses.

Matrix Spike/Matrix Spike Duplicates

Matrix spike sample (MS) and matrix spike sample duplicate (MSD) recoveries were not applicable to these analyses.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Tables 3a and b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the MDC. For results reported less than five times the MDC, with a difference between sample and duplicate less than two times the MDC are also considered acceptable (qualified "A*"). All field duplicate precision were considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Bowen Groundwater Monitoring Plan. September.

United States Environmental Protection Agency (USEPA), 2011. Region IV Data Validation Standard Operating Procedures. September.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (Cells 5 & 8)
 Analytical Report Nos. 92674104 (rad)
 July 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWC-26	92674104001	92674104	6/20/2023
BOW-GWC-28	92674104002	92674104	6/20/2023
BOW-GWA-33R	92674104003	92674104	6/20/2023
BOW-GWA-57	92674104004	92674104	6/21/2023
BOW-GWA-34	92674104005	92674104	6/21/2023
BOW-GWA-34R	92674104006	92674104	6/21/2023
BOW-LF5-8-FB-02	92674104007	92674104	6/21/2023
BOW-LF5-8-EB-02	92674104008	92674104	6/21/2023
BOW-LF5-8-FD-01	92674104009	92674104	6/20/2023
BOW-LF5-8-FB-01	92674104010	92674104	6/20/2023
BOW-LF5-8-EB-01	92674104011	92674104	6/20/2023
BOW-GWC-27	92674476001	92674104	6/23/2023
BOW-GWC-27R	92674476002	92674104	6/23/2023
BOW-GWC-31	92674476003	92674104	6/23/2023
BOW-GWC-31R	92674476004	92674104	6/23/2023
BOW-LF5-8-FB-03	92674476005	92674104	6/23/2023
BOW-LF5-8-EB-03	92674476006	92674104	6/23/2023
BOW-LF5-8-FB-05	92674104018	92674104	6/27/2023
BOW-LF5-8-EB-05	92674104019	92674104	6/27/2023
BOW-GWC-29R	92674104020	92674104	6/27/2023
BOW-GWC-30	92674104021	92674104	6/27/2023
BOW-GWC-35	92674104022	92674104	6/28/2023
BOW-LF5-8-FB-06	92674104023	92674104	6/28/2023
BOW-GWC-29	92674104024	92674104	6/26/2023
BOW-GWC-32	92674104025	92674104	6/26/2023
BOW-LF5-8-FD-02	92674104026	92674104	6/26/2023
BOW-LF5-8-FB-04	92674104027	92674104	6/26/2023
BOW-LF5-8-EB-04	92674104028	92674104	6/26/2023

Stantec
 Georgia Power – Bowen (Cells 5 & 8)
 Analytical Report Nos. 92674104 (rad)
 July 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
None			

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-26 / BOW-LF5-8-FD-01	Radium 226	0.237 U	0.188 U	NC	A*
	Radium 228	0.748 U	0.733	NC	A*
	Total Radium	0.985 U	0.921	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the MDC and the difference between sample and duplicate was less than 2X the MDC.

J – Estimated result

U – Not detected

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-29 / BOW-LF5-8-FD-02	Radium 226	0.248	0.192	NC	A*
	Radium 228	0.569	1.70	NC	A*
	Total Radium	0.817	1.89	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the MDC and the difference between sample and duplicate was less than 2X the MDC.

J – Estimated result

U – Not detected

NA – Not analyzed

NC – Not calculated

NQ – Not qualified



September 14, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 5-8 Back- RADs
Pace Project No.: 92682115

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 10, 2023 and August 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92682115001	BOW-GWC-26	Water	08/07/23 11:42	08/10/23 10:10
92682115002	BOW-GWC-27	Water	08/07/23 11:05	08/10/23 10:10
92682115003	BOW-GWC-27R	Water	08/07/23 14:20	08/10/23 10:10
92682115004	BOW-GWC-29	Water	08/07/23 11:27	08/10/23 10:10
92682115005	BOW-GWA-34	Water	08/07/23 13:58	08/10/23 10:10
92682115006	BOW-GWA-34R	Water	08/07/23 13:52	08/10/23 10:10
92682115007	LOW-LF5-8-FD-01	Water	08/07/23 00:00	08/10/23 10:10
92682115008	BOW-LF5-8-FB-01	Water	08/07/23 15:00	08/10/23 10:10
92682115009	BOW-LF5-8-EB-01	Water	08/07/23 15:10	08/10/23 10:10
92682115010	BOW-GWC-28	Water	08/08/23 11:20	08/10/23 10:10
92682115011	BOW-GWA-33R	Water	08/08/23 10:40	08/10/23 10:10
92682115012	BOW-GWA-57	Water	08/08/23 14:00	08/10/23 10:10
92682115013	BOW-LF5-8-FB-02	Water	08/08/23 15:00	08/10/23 10:10
92682115014	BOW-LF5-8-EB-02	Water	08/08/23 15:10	08/10/23 10:10
92682115015	BOW-GWC-30	Water	08/09/23 09:52	08/10/23 10:10
92682115016	BOW-GWC-31	Water	08/09/23 12:40	08/10/23 10:10
92682115017	BOW-GWC-31R	Water	08/09/23 11:00	08/10/23 10:10
92682115018	BOW-GWC-32	Water	08/09/23 15:45	08/10/23 10:10
92682115019	BOW-LF5-8-FD-02	Water	08/09/23 00:00	08/10/23 10:10
92682115020	BOW-LF5-8-FB-03	Water	08/09/23 17:05	08/10/23 10:10
92682115021	BOW-GWC-29R	Water	08/10/23 12:10	08/14/23 12:10
92682115022	BOW-GWA-35	Water	08/10/23 11:55	08/14/23 12:10
92682115023	BOW-LF5-8-FB-04	Water	08/10/23 12:45	08/14/23 12:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92682115001	BOW-GWC-26	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115002	BOW-GWC-27	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115003	BOW-GWC-27R	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115004	BOW-GWC-29	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115005	BOW-GWA-34	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115006	BOW-GWA-34R	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115007	LOW-LF5-8-FD-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115008	BOW-LF5-8-FB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115009	BOW-LF5-8-EB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115010	BOW-GWC-28	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115011	BOW-GWA-33R	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115012	BOW-GWA-57	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92682115013	BOW-LF5-8-FB-02	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92682115014	BOW-LF5-8-EB-02	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115015	BOW-GWC-30	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115016	BOW-GWC-31	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115017	BOW-GWC-31R	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115018	BOW-GWC-32	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115019	BOW-LF5-8-FD-02	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115020	BOW-LF5-8-FB-03	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115021	BOW-GWC-29R	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115022	BOW-GWA-35	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92682115023	BOW-LF5-8-FB-04	EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	LAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682115001	BOW-GWC-26					
EPA 9315	Radium-226	0.0201U ± 0.144 (0.367) C:90% T:NA	pCi/L		09/05/23 19:03	
EPA 9320	Radium-228	0.203U ± 0.308 (0.665) C:86% T:90%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	0.223U ± 0.452 (1.03)	pCi/L		09/06/23 15:29	
92682115002	BOW-GWC-27					
EPA 9315	Radium-226	0.165U ± 0.153 (0.293) C:91% T:NA	pCi/L		09/06/23 08:37	
EPA 9320	Radium-228	0.313U ± 0.356 (0.746) C:84% T:81%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	0.478U ± 0.509 (1.04)	pCi/L		09/06/23 15:29	
92682115003	BOW-GWC-27R					
EPA 9315	Radium-226	0.204U ± 0.152 (0.261) C:99% T:NA	pCi/L		09/06/23 08:37	
EPA 9320	Radium-228	0.103U ± 0.385 (0.872) C:85% T:73%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	0.307U ± 0.537 (1.13)	pCi/L		09/06/23 15:29	
92682115004	BOW-GWC-29					
EPA 9315	Radium-226	0.548 ± 0.253 (0.355) C:87% T:NA	pCi/L		09/06/23 08:38	
EPA 9320	Radium-228	2.94 ± 0.776 (0.769) C:84% T:79%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	3.49 ± 1.03 (1.12)	pCi/L		09/06/23 15:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682115005	BOW-GWA-34					
EPA 9315	Radium-226	0.547 ± 0.261 (0.396) C:90% T:NA	pCi/L		09/06/23 08:41	
EPA 9320	Radium-228	0.594U ± 0.372 (0.678) C:88% T:77%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	1.14 ± 0.633 (1.07)	pCi/L		09/06/23 15:29	
92682115006	BOW-GWA-34R					
EPA 9315	Radium-226	0.213U ± 0.183 (0.343) C:82% T:NA	pCi/L		09/06/23 08:43	
EPA 9320	Radium-228	1.04 ± 0.431 (0.666) C:86% T:87%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	1.25 ± 0.614 (1.01)	pCi/L		09/06/23 15:29	
92682115007	LOW-LF5-8-FD-01					
EPA 9315	Radium-226	0.131U ± 0.138 (0.272) C:94% T:NA	pCi/L		09/06/23 08:43	
EPA 9320	Radium-228	3.33 ± 0.825 (0.692) C:86% T:82%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	3.46 ± 0.963 (0.964)	pCi/L		09/06/23 15:29	
92682115008	BOW-LF5-8-FB-01					
EPA 9315	Radium-226	0.273U ± 0.201 (0.357) C:84% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	0.570U ± 0.343 (0.618) C:84% T:90%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	0.843U ± 0.544 (0.975)	pCi/L		09/06/23 15:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682115009	BOW-LF5-8-EB-01					
EPA 9315	Radium-226	0.135U ± 0.163 (0.340) C:89% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	0.412U ± 0.376 (0.747) C:88% T:73%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	0.547U ± 0.539 (1.09)	pCi/L		09/06/23 15:29	
92682115010	BOW-GWC-28					
EPA 9315	Radium-226	0.147U ± 0.167 (0.344) C:88% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	2.86 ± 0.773 (0.772) C:86% T:76%	pCi/L		08/31/23 15:31	
Total Radium Calculation	Total Radium	3.01 ± 0.940 (1.12)	pCi/L		09/06/23 15:29	
92682115011	BOW-GWA-33R					
EPA 9315	Radium-226	0.107U ± 0.163 (0.361) C:82% T:NA	pCi/L		09/06/23 11:05	
EPA 9320	Radium-228	1.54 ± 0.531 (0.731) C:87% T:79%	pCi/L		08/31/23 15:23	
Total Radium Calculation	Total Radium	1.65 ± 0.694 (1.09)	pCi/L		09/06/23 15:29	
92682115012	BOW-GWA-57					
EPA 9315	Radium-226	0.163U ± 0.166 (0.332) C:90% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	0.507U ± 0.388 (0.757) C:80% T:80%	pCi/L		08/31/23 15:23	
Total Radium Calculation	Total Radium	0.670U ± 0.554 (1.09)	pCi/L		09/06/23 15:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682115013	BOW-LF5-8-FB-02					
EPA 9315	Radium-226	0.106U ± 0.148 (0.319) C:88% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	-0.268U ± 0.296 (0.774) C:82% T:81%	pCi/L		08/31/23 15:23	
Total Radium Calculation	Total Radium	0.106U ± 0.444 (1.09)	pCi/L		09/06/23 15:29	
92682115014	BOW-LF5-8-EB-02					
EPA 9315	Radium-226	0.144U ± 0.148 (0.289) C:90% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	0.0730U ± 0.335 (0.766) C:82% T:81%	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	0.217U ± 0.483 (1.06)	pCi/L		09/06/23 15:29	
92682115015	BOW-GWC-30					
EPA 9315	Radium-226	0.0804U ± 0.149 (0.340) C:89% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	0.155U ± 0.468 (1.05) C:78% T:73%	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	0.235U ± 0.617 (1.39)	pCi/L		09/06/23 15:29	
92682115016	BOW-GWC-31					
EPA 9315	Radium-226	0.365 ± 0.219 (0.356) C:87% T:NA	pCi/L		09/06/23 10:15	
EPA 9320	Radium-228	0.143U ± 0.420 (0.945) C:78% T:81%	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	0.508U ± 0.639 (1.30)	pCi/L		09/06/23 15:29	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682115017	BOW-GWC-31R					
EPA 9315	Radium-226	0.306 ± 0.182 (0.277)	pCi/L		09/06/23 10:16	
EPA 9320	Radium-228	C:92% T:NA 0.0619U ± 0.337 (0.775)	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	C:81% T:85% 0.368U ± 0.519 (1.05)	pCi/L		09/06/23 15:29	
92682115018	BOW-GWC-32					
EPA 9315	Radium-226	0.233U ± 0.166 (0.277)	pCi/L		09/06/23 10:16	
EPA 9320	Radium-228	C:90% T:NA 0.544U ± 0.416 (0.817)	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	C:78% T:86% 0.777U ± 0.582 (1.09)	pCi/L		09/06/23 15:29	
92682115019	BOW-LF5-8-FD-02					
EPA 9315	Radium-226	0.315 ± 0.192 (0.306)	pCi/L		09/06/23 10:16	
EPA 9320	Radium-228	C:90% T:NA 0.210U ± 0.327 (0.707)	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	C:83% T:81% 0.525U ± 0.519 (1.01)	pCi/L		09/06/23 15:29	
92682115020	BOW-LF5-8-FB-03					
EPA 9315	Radium-226	0.0839U ± 0.169 (0.390)	pCi/L		09/06/23 10:16	
EPA 9320	Radium-228	C:89% T:NA 0.0685U ± 0.357 (0.821)	pCi/L		08/31/23 15:24	
Total Radium Calculation	Total Radium	C:77% T:78% 0.152U ± 0.526 (1.21)	pCi/L		09/06/23 15:29	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682115021	BOW-GWC-29R					
EPA 9315	Radium-226	0.432U ± 0.300 (0.515) C:88% T:NA	pCi/L		09/13/23 10:05	
EPA 9320	Radium-228	0.527U ± 0.378 (0.742) C:80% T:92%	pCi/L		09/07/23 11:47	
Total Radium Calculation	Total Radium	0.959U ± 0.678 (1.26)	pCi/L		09/13/23 14:27	
92682115022	BOW-GWA-35					
EPA 9315	Radium-226	0.303U ± 0.276 (0.523) C:81% T:NA	pCi/L		09/13/23 10:05	
EPA 9320	Radium-228	1.09 ± 0.453 (0.751) C:83% T:91%	pCi/L		09/07/23 11:48	
Total Radium Calculation	Total Radium	1.39 ± 0.729 (1.27)	pCi/L		09/13/23 14:31	
92682115023	BOW-LF5-8-FB-04					
EPA 9315	Radium-226	0.0466U ± 0.207 (0.524) C:87% T:NA	pCi/L		09/13/23 10:06	
EPA 9320	Radium-228	0.152U ± 0.281 (0.617) C:82% T:95%	pCi/L		09/07/23 11:48	
Total Radium Calculation	Total Radium	0.199U ± 0.488 (1.14)	pCi/L		09/13/23 14:31	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-26 Lab ID: 92682115001 Collected: 08/07/23 11:42 Received: 08/10/23 10:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0201U ± 0.144 (0.367) C:90% T:NA	pCi/L	09/05/23 19:03	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.203U ± 0.308 (0.665) C:86% T:90%	pCi/L	08/31/23 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.223U ± 0.452 (1.03)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-27 Lab ID: 92682115002 Collected: 08/07/23 11:05 Received: 08/10/23 10:10 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.165U ± 0.153 (0.293) C:91% T:NA	pCi/L	09/06/23 08:37	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.313U ± 0.356 (0.746) C:84% T:81%	pCi/L	08/31/23 15:31	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.478U ± 0.509 (1.04)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWC-27R **Lab ID: 92682115003** Collected: 08/07/23 14:20 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.204U ± 0.152 (0.261) C:99% T:NA	pCi/L	09/06/23 08:37	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.103U ± 0.385 (0.872) C:85% T:73%	pCi/L	08/31/23 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.307U ± 0.537 (1.13)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.548 ± 0.253 (0.355) C:87% T:NA	pCi/L	09/06/23 08:38	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	2.94 ± 0.776 (0.769) C:84% T:79%	pCi/L	08/31/23 15:31	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.49 ± 1.03 (1.12)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWA-34 Lab ID: 92682115005 Collected: 08/07/23 13:58 Received: 08/10/23 10:10 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.547 ± 0.261 (0.396) C:90% T:NA	pCi/L	09/06/23 08:41	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.594U ± 0.372 (0.678) C:88% T:77%	pCi/L	08/31/23 15:31	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.14 ± 0.633 (1.07)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWA-34R **Lab ID: 92682115006** Collected: 08/07/23 13:52 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.213U ± 0.183 (0.343) C:82% T:NA	pCi/L	09/06/23 08:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.04 ± 0.431 (0.666) C:86% T:87%	pCi/L	08/31/23 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.25 ± 0.614 (1.01)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: LOW-LF5-8-FD-01 **Lab ID: 92682115007** Collected: 08/07/23 00:00 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.131U ± 0.138 (0.272) C:94% T:NA	pCi/L	09/06/23 08:43	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	3.33 ± 0.825 (0.692) C:86% T:82%	pCi/L	08/31/23 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	3.46 ± 0.963 (0.964)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-LF5-8-FB-01 **Lab ID: 92682115008** Collected: 08/07/23 15:00 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.273U ± 0.201 (0.357) C:84% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.570U ± 0.343 (0.618) C:84% T:90%	pCi/L	08/31/23 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.843U ± 0.544 (0.975)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-LF5-8-EB-01 **Lab ID: 92682115009** Collected: 08/07/23 15:10 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.135U ± 0.163 (0.340) C:89% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.412U ± 0.376 (0.747) C:88% T:73%	pCi/L	08/31/23 15:31	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.547U ± 0.539 (1.09)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.147U ± 0.167 (0.344) C:88% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	2.86 ± 0.773 (0.772) C:86% T:76%	pCi/L	08/31/23 15:31	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	3.01 ± 0.940 (1.12)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWA-33R	Lab ID: 92682115011	Collected: 08/08/23 10:40	Received: 08/10/23 10:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.107U ± 0.163 (0.361) C:82% T:NA	pCi/L	09/06/23 11:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.54 ± 0.531 (0.731) C:87% T:79%	pCi/L	08/31/23 15:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.65 ± 0.694 (1.09)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWA-57	Lab ID: 92682115012	Collected: 08/08/23 14:00	Received: 08/10/23 10:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.163U ± 0.166 (0.332) C:90% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.507U ± 0.388 (0.757) C:80% T:80%	pCi/L	08/31/23 15:23	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.670U ± 0.554 (1.09)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-LF5-8-FB-02 **Lab ID: 92682115013** Collected: 08/08/23 15:00 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.106U ± 0.148 (0.319) C:88% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.268U ± 0.296 (0.774) C:82% T:81%	pCi/L	08/31/23 15:23	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.106U ± 0.444 (1.09)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-LF5-8-EB-02 **Lab ID: 92682115014** Collected: 08/08/23 15:10 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.144U ± 0.148 (0.289) C:90% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.0730U ± 0.335 (0.766) C:82% T:81%	pCi/L	08/31/23 15:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.217U ± 0.483 (1.06)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0804U ± 0.149 (0.340) C:89% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.155U ± 0.468 (1.05) C:78% T:73%	pCi/L	08/31/23 15:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.235U ± 0.617 (1.39)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-31 Lab ID: 92682115016 Collected: 08/09/23 12:40 Received: 08/10/23 10:10 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.365 ± 0.219 (0.356) C:87% T:NA	pCi/L	09/06/23 10:15	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.143U ± 0.420 (0.945) C:78% T:81%	pCi/L	08/31/23 15:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.508U ± 0.639 (1.30)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWC-31R	Lab ID: 92682115017	Collected: 08/09/23 11:00	Received: 08/10/23 10:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.306 ± 0.182 (0.277) C:92% T:NA	pCi/L	09/06/23 10:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0619U ± 0.337 (0.775) C:81% T:85%	pCi/L	08/31/23 15:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.368U ± 0.519 (1.05)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWC-32	Lab ID: 92682115018	Collected: 08/09/23 15:45	Received: 08/10/23 10:10	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.233U ± 0.166 (0.277) C:90% T:NA	pCi/L	09/06/23 10:16	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.544U ± 0.416 (0.817) C:78% T:86%	pCi/L	08/31/23 15:24	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.777U ± 0.582 (1.09)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-LF5-8-FD-02 **Lab ID: 92682115019** Collected: 08/09/23 00:00 Received: 08/10/23 10:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.315 ± 0.192 (0.306) C:90% T:NA	pCi/L	09/06/23 10:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.210U ± 0.327 (0.707) C:83% T:81%	pCi/L	08/31/23 15:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.525U ± 0.519 (1.01)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs
 Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-LF5-8-FB-03 Lab ID: 92682115020 Collected: 08/09/23 17:05 Received: 08/10/23 10:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0839U ± 0.169 (0.390) C:89% T:NA	pCi/L	09/06/23 10:16	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0685U ± 0.357 (0.821) C:77% T:78%	pCi/L	08/31/23 15:24	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.152U ± 0.526 (1.21)	pCi/L	09/06/23 15:29	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-GWC-29R **Lab ID: 92682115021** Collected: 08/10/23 12:10 Received: 08/14/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.432U ± 0.300 (0.515) C:88% T:NA	pCi/L	09/13/23 10:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.527U ± 0.378 (0.742) C:80% T:92%	pCi/L	09/07/23 11:47	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.959U ± 0.678 (1.26)	pCi/L	09/13/23 14:27	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWA-35 Lab ID: 92682115022 Collected: 08/10/23 11:55 Received: 08/14/23 12:10 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.303U ± 0.276 (0.523) C:81% T:NA	pCi/L	09/13/23 10:05	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	1.09 ± 0.453 (0.751) C:83% T:91%	pCi/L	09/07/23 11:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.39 ± 0.729 (1.27)	pCi/L	09/13/23 14:31	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Sample: BOW-LF5-8-FB-04 **Lab ID: 92682115023** Collected: 08/10/23 12:45 Received: 08/14/23 12:10 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0466U ± 0.207 (0.524) C:87% T:NA	pCi/L	09/13/23 10:06	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.152U ± 0.281 (0.617) C:82% T:95%	pCi/L	09/07/23 11:48	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.199U ± 0.488 (1.14)	pCi/L	09/13/23 14:31	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

QC Batch:	611587	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92682115021, 92682115022, 92682115023

METHOD BLANK: 2976848 Matrix: Water

Associated Lab Samples: 92682115021, 92682115022, 92682115023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.386 ± 0.277 (0.528) C:83% T:92%	pCi/L	09/07/23 11:47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs
 Pace Project No.: 92682115

QC Batch: 612653	Analysis Method: EPA 9315
QC Batch Method: EPA 9315	Analysis Description: 9315 Total Radium
	Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92682115022, 92682115023

METHOD BLANK: 2982188 Matrix: Water

Associated Lab Samples: 92682115022, 92682115023

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.265 ± 0.268 (0.528) C:84% T:NA	pCi/L	09/13/23 10:05	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

QC Batch: 612651

Analysis Method: EPA 9315

QC Batch Method: EPA 9315

Analysis Description: 9315 Total Radium

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92682115021

METHOD BLANK: 2982186

Matrix: Water

Associated Lab Samples: 92682115021

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.199 ± 0.286 (0.622) C:88% T:NA	pCi/L	09/12/23 18:19	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

QC Batch:	610548	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92682115001, 92682115002, 92682115003, 92682115004, 92682115005, 92682115006, 92682115007, 92682115008, 92682115009, 92682115010, 92682115011, 92682115012, 92682115013, 92682115014, 92682115015, 92682115016, 92682115017, 92682115018, 92682115019, 92682115020

METHOD BLANK:	2971497	Matrix:	Water
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Associated Lab Samples: 92682115001, 92682115002, 92682115003, 92682115004, 92682115005, 92682115006, 92682115007, 92682115008, 92682115009, 92682115010, 92682115011, 92682115012, 92682115013, 92682115014, 92682115015, 92682115016, 92682115017, 92682115018, 92682115019, 92682115020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.725 ± 0.424 (0.775) C:85% T:81%	pCi/L	08/31/23 15:30	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

QC Batch:	609971	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92682115001, 92682115002, 92682115003, 92682115004, 92682115005, 92682115006, 92682115007, 92682115008, 92682115009, 92682115010, 92682115011, 92682115012, 92682115013, 92682115014, 92682115015, 92682115016, 92682115017, 92682115018, 92682115019, 92682115020

METHOD BLANK:	2968633	Matrix:	Water
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Associated Lab Samples: 92682115001, 92682115002, 92682115003, 92682115004, 92682115005, 92682115006, 92682115007, 92682115008, 92682115009, 92682115010, 92682115011, 92682115012, 92682115013, 92682115014, 92682115015, 92682115016, 92682115017, 92682115018, 92682115019, 92682115020

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.198 ± 0.166 (0.302) C:88% T:NA	pCi/L	09/05/23 19:03	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682115001	BOW-GWC-26	EPA 9315	609971		
92682115002	BOW-GWC-27	EPA 9315	609971		
92682115003	BOW-GWC-27R	EPA 9315	609971		
92682115004	BOW-GWC-29	EPA 9315	609971		
92682115005	BOW-GWA-34	EPA 9315	609971		
92682115006	BOW-GWA-34R	EPA 9315	609971		
92682115007	LOW-LF5-8-FD-01	EPA 9315	609971		
92682115008	BOW-LF5-8-FB-01	EPA 9315	609971		
92682115009	BOW-LF5-8-EB-01	EPA 9315	609971		
92682115010	BOW-GWC-28	EPA 9315	609971		
92682115011	BOW-GWA-33R	EPA 9315	609971		
92682115012	BOW-GWA-57	EPA 9315	609971		
92682115013	BOW-LF5-8-FB-02	EPA 9315	609971		
92682115014	BOW-LF5-8-EB-02	EPA 9315	609971		
92682115015	BOW-GWC-30	EPA 9315	609971		
92682115016	BOW-GWC-31	EPA 9315	609971		
92682115017	BOW-GWC-31R	EPA 9315	609971		
92682115018	BOW-GWC-32	EPA 9315	609971		
92682115019	BOW-LF5-8-FD-02	EPA 9315	609971		
92682115020	BOW-LF5-8-FB-03	EPA 9315	609971		
92682115021	BOW-GWC-29R	EPA 9315	612651		
92682115022	BOW-GWA-35	EPA 9315	612653		
92682115023	BOW-LF5-8-FB-04	EPA 9315	612653		
92682115001	BOW-GWC-26	EPA 9320	610548		
92682115002	BOW-GWC-27	EPA 9320	610548		
92682115003	BOW-GWC-27R	EPA 9320	610548		
92682115004	BOW-GWC-29	EPA 9320	610548		
92682115005	BOW-GWA-34	EPA 9320	610548		
92682115006	BOW-GWA-34R	EPA 9320	610548		
92682115007	LOW-LF5-8-FD-01	EPA 9320	610548		
92682115008	BOW-LF5-8-FB-01	EPA 9320	610548		
92682115009	BOW-LF5-8-EB-01	EPA 9320	610548		
92682115010	BOW-GWC-28	EPA 9320	610548		
92682115011	BOW-GWA-33R	EPA 9320	610548		
92682115012	BOW-GWA-57	EPA 9320	610548		
92682115013	BOW-LF5-8-FB-02	EPA 9320	610548		
92682115014	BOW-LF5-8-EB-02	EPA 9320	610548		
92682115015	BOW-GWC-30	EPA 9320	610548		
92682115016	BOW-GWC-31	EPA 9320	610548		
92682115017	BOW-GWC-31R	EPA 9320	610548		
92682115018	BOW-GWC-32	EPA 9320	610548		
92682115019	BOW-LF5-8-FD-02	EPA 9320	610548		
92682115020	BOW-LF5-8-FB-03	EPA 9320	610548		
92682115021	BOW-GWC-29R	EPA 9320	611587		
92682115022	BOW-GWA-35	EPA 9320	611587		
92682115023	BOW-LF5-8-FB-04	EPA 9320	611587		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 Back- RADs

Pace Project No.: 92682115

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682115001	BOW-GWC-26	Total Radium Calculation	613657		
92682115002	BOW-GWC-27	Total Radium Calculation	613657		
92682115003	BOW-GWC-27R	Total Radium Calculation	613657		
92682115004	BOW-GWC-29	Total Radium Calculation	613657		
92682115005	BOW-GWA-34	Total Radium Calculation	613657		
92682115006	BOW-GWA-34R	Total Radium Calculation	613657		
92682115007	LOW-LF5-8-FD-01	Total Radium Calculation	613657		
92682115008	BOW-LF5-8-FB-01	Total Radium Calculation	613657		
92682115009	BOW-LF5-8-EB-01	Total Radium Calculation	613657		
92682115010	BOW-GWC-28	Total Radium Calculation	613657		
92682115011	BOW-GWA-33R	Total Radium Calculation	613657		
92682115012	BOW-GWA-57	Total Radium Calculation	613657		
92682115013	BOW-LF5-8-FB-02	Total Radium Calculation	613657		
92682115014	BOW-LF5-8-EB-02	Total Radium Calculation	613657		
92682115015	BOW-GWC-30	Total Radium Calculation	613657		
92682115016	BOW-GWC-31	Total Radium Calculation	613657		
92682115017	BOW-GWC-31R	Total Radium Calculation	613657		
92682115018	BOW-GWC-32	Total Radium Calculation	613657		
92682115019	BOW-LF5-8-FD-02	Total Radium Calculation	613657		
92682115020	BOW-LF5-8-FB-03	Total Radium Calculation	613657		
92682115021	BOW-GWC-29R	Total Radium Calculation	615223		
92682115022	BOW-GWA-35	Total Radium Calculation	615224		
92682115023	BOW-LF5-8-FB-04	Total Radium Calculation	615224		

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92682115



Courier: Fed Ex UPS USPS Client Commercial Other

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initials Person Examining Contents: 8/18/23 LAM

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer: IR Gun ID: 130 Type of Ice: Wet Blue None

Biological Tissue Frozen? Yes No Other

Cooler Temp: 4.3 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.3

USDA Regulated Soil N/A, water samples

Did samples originate in a quarantine zone within the United States: CA, HI, or SC (check maps)? Yes No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within Field Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4
Sufficient Volumes?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8
Sample Labels Match DOQ?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Includes Date/Time/ID/Analysis Matrix		W
Headspace in VOA Vials (>5-Emm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of spill containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92682115

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 09/06/23

CLIENT: 92-GP-BONLF

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/5013 (water) DOC, U₂

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item #	Item Name	1	2	3	4	5	6	7	8	9	10	11	12
	BP4U-225 ml Plastic Unpreserved (N/A) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	BP3U-250 ml Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP2U-500 ml Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP1U-1 liter Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	BP4S-125 ml Plastic NUSO4 (pH < 2) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	BP3S-250 ml Plastic HMO3 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	BP4Z-125 ml Plastic Zn Acetate & NaOH (> 9)	/	/	/	/	/	/	/	/	/	/	/	/
	BP4B-125 ml Plastic NaOH (pH > 12) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	VG9U-White mouthed Glass jar unpreserved	/	/	/	/	/	/	/	/	/	/	/	/
	AG1U-1 liter Amber Unpreserved (N/A) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	AG1M-1 liter Amber HCl (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG3U-250 ml Amber Unpreserved (N/A) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	AG1S-1 liter Amber N2SO4 (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG3S-250 ml Amber N ₂ SO ₄ (pH < 2)	/	/	/	/	/	/	/	/	/	/	/	/
	AG3M-40 ml Amber (N/A) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	AG3M-40 ml VOA HCl (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	VG9T-40 ml VOA N2S2O3 (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	VG9U-40 ml VOA Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	DG9V-40 ml VOA HEPD4 (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	AP1U-50 ml Plastic Unpreserved (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	V/DK 13 vials per 310-Vial/Gas kit (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	SP9S-125 ml Sterile Plastic (N/A - Lab)	/	/	/	/	/	/	/	/	/	/	/	/
	SP9T-250 ml Sterile Plastic (N/A - Lab)	/	/	/	/	/	/	/	/	/	/	/	/
	BP9M-250 ml Plastic (NH ₂) ₂ SO ₄ (S. 3. 9.7)	/	/	/	/	/	/	/	/	/	/	/	/
	AG6M-100 ml Amber Unpreserved (N/A) (C+)	/	/	/	/	/	/	/	/	/	/	/	/
	VSGU-20 ml Seabrook vials (N/A)	/	/	/	/	/	/	/	/	/	/	/	/
	AG9M-40 ml Amber for preserved vials (N/A)	/	/	/	/	/	/	/	/	/	/	/	/

BV
 11/14/2022
 92-GP-BONLF
 92682115

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservation added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect quantities).



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92682115

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PH: BY

Due Date: 08/08/23

Exceptions: VOA, Coliform, TOC, OI and Geyse, D90/8015 (water) DOC, LUG

CLIENT: 92-GP-80MLF

**Bottom half of box is to list number of bottles

***Check unpreserved Nitrates for chlorine

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Compliance Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the POC Terms and Conditions found at <http://dhs.gov/ocof/custody-form>

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Requesting Party Information:
 Requesting Party Name: Georgia Power
 Requesting Party Address: 241 Peach Street, Dept. NE
 Requesting Party City: Atlanta, GA 30303
 Requesting Party State: GA
 Requesting Party Contact: Michael Gung
 Requesting Party Phone: 404-222-4444
 Requesting Party Email: Michael.Gung@ge.com

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ITEM #	SAMPLE ID	DATE	TIME	COLLECTOR	ANALYST	ANALYSIS												
						PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	
1	BOV-QWC-25	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
2	BOV-QWC-27	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
3	BOV-QWC-27R	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
4	BOV-QWC-28	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
5	BOV-QWC-29	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
6	BOV-QWC-29K	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
7	BOV-QWC-30	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
8	BOV-QWC-31	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
9	BOV-QWC-31K	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
10	BOV-QWC-32	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
11	BOV-QWC-32R	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz
12	BOV-QWC-33	11-23	11:30	WMS	WMS	PCB	PCDD	PCDF	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz	PCBz

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Page

Subjuring a people in the chain of custody conditions acknowledgment and acceptance of this piece, terms and conditions found in this. Also provides confidential information.

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 1 of 1

Requested Client Information:
 Company: Cambridge
 Address: 241 North Main St, Cambridge, MA 02142
 City: Cambridge
 State: MA
 Zip: 02142

Requested Project Information:
 Project Name: Cambridge
 Project #:

Requested Analytical Information:
 Analytical Method: GC/MS/MS
 Matrix: Soil
 Sample ID: 1000-1

ITEM #	DESCRIPTION	MATRIX CODE	SAMPLE TYPE	DATE	TIME	SAMPLE TEMP AT COLLECTION	PROPERTY						ANALYSIS	RESIDUE CONC (ppm)		
							Moisture	CO2	NO3	NO2	CO	OC				
15	BOWEN 34	WAG Q	Q													
16	BOWEN 34K	WAG G	G													
17	BOWEN 36	WAG G	G													
18	BOWEN 42.01	WAG G	G													
19	BOWEN 44.02	WAG G	G													
20	BOWEN 47.02	WAG G	G	8/18/13	1500	74	3									0.13
21	BOWEN 48.02	WAG G	G													
22	BOWEN 48.02	WAG G	G													
23	BOWEN 48.02	WAG G	G													
24	BOWEN 48.02	WAG G	G													
25	BOWEN 48.02	WAG G	G													
26	BOWEN 48.02	WAG G	G													
APPROVALS:		COLLECTOR'S SIGNATURE		DATE	TIME	ACCEPTOR'S SIGNATURE		DATE	TIME	ANALYST'S SIGNATURE		DATE	TIME	LABORATORY SIGNATURE		DATE
		[Signature]		8/18/13	1010	[Signature]		8/18/13	1010	[Signature]		8/18/13	1010	[Signature]		8/18/13

LABORATORY INFORMATION:
 ANALYST: William Laker
 PROJECT: Cambridge
 DATE: 8/18/13
 TIME: 1010

PRICE

Submitting a sample via this chain of custody requires adherence to the following and completion of the Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

CHAIN-OF-CUSTODY / Analytical Request Document

Section A: Requested Physical Information

Section B: Requested Physical Information

Section C: Analytical Information

Section D: Requested Analytical Information

Section E: Requested Analytical Information

SAMPLE ID	DATE	TIME	COLLECTOR	ANALYST	LABORATORY	ANALYSIS	PRESERVATION		ANALYSIS		REMARKS
							Method	Other	Analysis	Test	
12	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	92657115
13	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	028
14	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
15	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
16	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
17	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
18	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
19	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
20	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
21	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
22	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
23	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	
24	8/9/23	1705	William Lecker	Ryan Williams	Blacksburg	GC/MS		X	X	X	



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kennesaw

Sample ID: _____
Upon Receipt

Client Name: GA Power

Project # _____

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other _____

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer: K Gun ID: 083 Connection Factor: 0.0 Type of Ice: Dry Ice Blue None

Cooler Temp: 4.3 Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 4.3

USDA Regulated Soil? N/A, (water sample)

Date/Initial Person Examining Contents: 8-14-23

Biological Tissue Frozen? Yes No N/A

Temp should be above freezing to 6°C.
 Samples out of temp criteria. Samples on ice, cooling process has begun.

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Chain of Custody Present?	Yes	No	N/A	1.	Comments/Discrepancy:
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3.	
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4.	
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5.	
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6.	
Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7.	
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	9.	
Sample Labels Match COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
-Includes Date/Time/ID/Analysis Matrix <u>WG</u>					
Heritage in VOA Vials (>5-6mm)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10.	
Trip Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURE Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TDC, Oil and Grease, BRO/9035 (water) DOC, UHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine



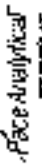
Month	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP7U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BA4S-1.25 mL Plastic H2SO4 (pH < 2) (Cl-)	BP4S-250 mL Plastic H2SO4 (pH < 2)	BP4Z-1.25 mL Plastic 2M Acetic Acid & NaOH (pH > 12) (Cl-)	BP4B-1.25 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1A-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG3L-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DS9M-40 mL Amber NH4Cl (W/NaOH)	DS9H-40 mL VOA - C (N/A)	VG9T-40 mL VOA H2SO4 (N/A)	VG9B-40 mL VOA Unpreserved (N/A)	DS9V-40 mL VOA H3PO4 (N/A)	KP2U-30 mL Plastic Unpreserved (N/A)	VY9E (3 wide open 400 mL Gas Jar (N/A)	SP5T-1.25 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3B-250 mL Plastic (MSDS) (9.3-9.7)	AG0B-100 mL Amber Unpreserved (N/A) (Cl-)	WGFU-30 mL Separation vials (N/A)	DS9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1	2																								
2		2	1	2																								
3		2	1	2																								
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina QP/NR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields Highlighted in Yellow.

Test: R9-228
Analyst: V.A.
Date: 6/28/2023
Worklist: 72900
M3070C: V.A.

Method Blank Assessment

M3 Sample ID	2871497
M3 Concentration	0.125
M3 2 Sigma CRI	0.424
M3 MOC	0.775
M3 Numerical Performance Indicator	3.35
M3 Status vs Numerical Indicator	Fail
M3 Status vs MOC	Pass

Laboratory Control Sample Assessment

LC5074947	LC5074944	Y
Count Data	6512320	6512320
Scale LC	27.142	27.142
Daily Connected Spans	40.016	40.016
Volume Used (mL)	3.10	3.10
Actual Volume ... g. FI	0.815	0.815
Target Conc (ppm) ... g. FI	4.877	4.885
Uncertainty (Coeff %)	0.228	0.220
Recovery (mL) ... g. FI	3.245	3.245
LC5074947 Sigma CRI	0.674	0.671
Numerical Performance Indicator	3.44	3.72
Percent Recovery	69.85%	68.38%
Status vs Numerical Indicator	Fail	Pass
Status vs Recovery	Pass	Pass
Upper % Recovery Limit	128%	136%
Lower % Recovery Limit	65%	60%

Duplicate Sample Assessment

Sample ID	LC5074944	LC5074944
Duplicate Sample ID	6835	6835
Sample Result 2 Sigma CRI	0.814	0.814
Sample Duplicate Result (mL) ... g. FI	3.243	3.243
Sample Duplicate Result (mL) ... g. FI	0.021	0.021
Sample Duplicate Result (mL) ... g. FI	40	40
Duplicate Numerical Performance Indicator	0.154	0.154
Duplicate Numerical Performance Indicator	2.885	2.885
Duplicate Status vs Numerical Indicator	Pass	Pass
Duplicate Status vs Recovery	Pass	Pass

The Evaluation of duplicate predictions are 100% higher if the two sample or duplicate results are below the MOC.
 Good! Pass
 The lowest activity sample in this batch is greater than the lowest prediction, the status is successful, the status is successful, the status is successful.

Sample Matrix Spike Control Assessment

Sample Matrix Spike Control Assessment	M3MSD 1	M3MSD 2
Sample Matrix Spike Control Data		
Sample ID		
Sample MS ID		
Sample MS ID		
Sample ID		
MSMOC: Daily Connected Spike Concentration (ppm)		
Spike Volume Used in MS (mL)		
Spike Volume Used in MS (mL)		
M3 Matrix II ... g. FI		
M3 Target Concentration ... g. FI		
M3 Actual ... g. FI		
M3 Target Conc (ppm) ... g. FI		
M3 Spike Uncertainty Indicator		
M3 Spike Uncertainty Indicator		
Sample Result 2 Sigma CRI		
Sample Result 2 Sigma CRI		
Matrix Spike Result 2 Sigma CRI		
Matrix Spike Result 2 Sigma CRI		
Matrix Spike Duplicate Result 2 Sigma CRI		
Matrix Spike Duplicate Result 2 Sigma CRI		
M3 Numerical Performance Indicator		
M3 Numerical Performance Indicator		
M3 Percent Recovery		
M3 Percent Recovery		
M3 Status vs Numerical Indicator		
M3 Status vs Numerical Indicator		
M3 Status vs Recovery		
M3 Status vs Recovery		
M3MSD Upper % Recovery Limit		
M3MSD Lower % Recovery Limit		

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Matrix Spike/Matrix Spike Duplicate Sample Assessment	M3MSD 1	M3MSD 2
Sample ID		
Sample MS ID		
Sample MS ID		
Sample Matrix Spike Result		
Matrix Spike Result 2 Sigma CRI		
Sample Matrix Spike Duplicate Result		
Sample Matrix Spike Duplicate Result		
Matrix Spike Duplicate Result 2 Sigma CRI		
Matrix Spike Duplicate Result 2 Sigma CRI		
Duplicate Numerical Performance Indicator		
Duplicate Numerical Performance Indicator		
Based on the Percent Recovery M3MSD Duplicate Result		
Based on the Percent Recovery M3MSD Duplicate Result		
M3MSD Duplicate Status vs Numerical Indicator		
M3MSD Duplicate Status vs Numerical Indicator		
M3MSD Duplicate Status vs Recovery		
M3MSD Duplicate Status vs Recovery		

Handwritten notes:
 MS activity & MOC Pass
 Quality
 11/15/23

Handwritten signature:

Quality Control Sample Performance Assessment

Face Analytical
Date: 11/13/2023

Test: RA-278
Analyte: SLC
Date: 11/13/2023
Work: 76100
MIS: 761

Analyte Must Manually Enter All Fields Highlighted in Yellow

Method Blank Assessment	ML Sample ID	2.82185
ML Concentration	0.170	
MS 2 Signal C5C	0.207	
MS 2 Signal C5D	0.642	
MS 2 Signal C5E	1.36	
MS 2 Signal C5F	3.66	
MS 2 Signal C5G	9.4	

Laboratory Control Sample Performance	MS 2 Signal C5C	MS 2 Signal C5D	MS 2 Signal C5E	MS 2 Signal C5F	MS 2 Signal C5G	MS 2 Signal C5H
Control Date	11/13/2023	11/13/2023	11/13/2023	11/13/2023	11/13/2023	11/13/2023
Control Concentration (ppm)	0.170	0.170	0.170	0.170	0.170	0.170
MS 2 Signal C5C	0.170	0.170	0.170	0.170	0.170	0.170
MS 2 Signal C5D	0.207	0.207	0.207	0.207	0.207	0.207
MS 2 Signal C5E	0.642	0.642	0.642	0.642	0.642	0.642
MS 2 Signal C5F	1.36	1.36	1.36	1.36	1.36	1.36
MS 2 Signal C5G	3.66	3.66	3.66	3.66	3.66	3.66
MS 2 Signal C5H	9.4	9.4	9.4	9.4	9.4	9.4

Sample Matrix Spike Control Assessment	MS 2 Signal C5C	MS 2 Signal C5D	MS 2 Signal C5E	MS 2 Signal C5F	MS 2 Signal C5G	MS 2 Signal C5H
MS 2 Signal C5C	0.170	0.170	0.170	0.170	0.170	0.170
MS 2 Signal C5D	0.207	0.207	0.207	0.207	0.207	0.207
MS 2 Signal C5E	0.642	0.642	0.642	0.642	0.642	0.642
MS 2 Signal C5F	1.36	1.36	1.36	1.36	1.36	1.36
MS 2 Signal C5G	3.66	3.66	3.66	3.66	3.66	3.66
MS 2 Signal C5H	9.4	9.4	9.4	9.4	9.4	9.4

Duplicate Sample Assessment	MS 2 Signal C5C	MS 2 Signal C5D	MS 2 Signal C5E	MS 2 Signal C5F	MS 2 Signal C5G	MS 2 Signal C5H
Duplicate Sample ID	0.170	0.170	0.170	0.170	0.170	0.170
Duplicate Sample Concentration (ppm)	0.170	0.170	0.170	0.170	0.170	0.170
Duplicate MS 2 Signal C5C	0.170	0.170	0.170	0.170	0.170	0.170
Duplicate MS 2 Signal C5D	0.207	0.207	0.207	0.207	0.207	0.207
Duplicate MS 2 Signal C5E	0.642	0.642	0.642	0.642	0.642	0.642
Duplicate MS 2 Signal C5F	1.36	1.36	1.36	1.36	1.36	1.36
Duplicate MS 2 Signal C5G	3.66	3.66	3.66	3.66	3.66	3.66
Duplicate MS 2 Signal C5H	9.4	9.4	9.4	9.4	9.4	9.4

Blank Sample Matrix Spike Duplicate Sample Assessment	MS 2 Signal C5C	MS 2 Signal C5D	MS 2 Signal C5E	MS 2 Signal C5F	MS 2 Signal C5G	MS 2 Signal C5H
Blank Sample ID	0.170	0.170	0.170	0.170	0.170	0.170
Blank Sample Concentration (ppm)	0.170	0.170	0.170	0.170	0.170	0.170
Blank MS 2 Signal C5C	0.170	0.170	0.170	0.170	0.170	0.170
Blank MS 2 Signal C5D	0.207	0.207	0.207	0.207	0.207	0.207
Blank MS 2 Signal C5E	0.642	0.642	0.642	0.642	0.642	0.642
Blank MS 2 Signal C5F	1.36	1.36	1.36	1.36	1.36	1.36
Blank MS 2 Signal C5G	3.66	3.66	3.66	3.66	3.66	3.66
Blank MS 2 Signal C5H	9.4	9.4	9.4	9.4	9.4	9.4

Comments

[Handwritten Signature]

11/13/23



August 25, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 5-8 Background
Pace Project No.: 92682122

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory between August 10, 2023 and August 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



CERTIFICATIONS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



SAMPLE SUMMARY

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92682122001	BOW-GWC-26	Water	08/07/23 11:42	08/10/23 10:10
92682122002	BOW-GWC-27	Water	08/07/23 11:05	08/10/23 10:10
92682122003	BOW-GWC-27R	Water	08/07/23 14:20	08/10/23 10:10
92682122004	BOW-GWC-29	Water	08/07/23 11:27	08/10/23 10:10
92682122005	BOW-GWA-34	Water	08/07/23 13:58	08/10/23 10:10
92682122006	BOW-GWA-34R	Water	08/07/23 13:52	08/10/23 10:10
92682122007	BOW-LF5-8-FD-01	Water	08/07/23 00:00	08/10/23 10:10
92682122008	BOW-LF5-8-FB-01	Water	08/07/23 15:00	08/10/23 10:10
92682122009	BOW-LF5-8-EB-01	Water	08/07/23 15:10	08/10/23 10:10
92682122010	BOW-GWC-28	Water	08/08/23 11:20	08/10/23 10:10
92682122011	BOW-GWA-33R	Water	08/08/23 10:40	08/10/23 10:10
92682122012	BOW-GWA-57	Water	08/08/23 14:00	08/10/23 10:10
92682122013	BOW-LF5-8-FB-02	Water	08/08/23 15:00	08/10/23 10:10
92682122014	BOW-LF5-8-EB-02	Water	08/08/23 15:10	08/10/23 10:10
92682122015	BOW-GWC-30	Water	08/09/23 09:52	08/10/23 10:10
92682122016	BOW-GWC-31	Water	08/09/23 12:40	08/10/23 10:10
92682122017	BOW-GWC-31R	Water	08/09/23 11:00	08/10/23 10:10
92682122018	BOW-GWC-32	Water	08/09/23 15:45	08/10/23 10:10
92682122019	BOW-LF5-8-FD-02	Water	08/09/23 00:00	08/10/23 10:10
92682122020	BOW-LF5-8-FB-03	Water	08/09/23 17:05	08/10/23 10:10
92682122022	BOW-GWC-29R	Water	08/10/23 12:10	08/14/23 12:10
92682122023	BOW-GWA-35	Water	08/10/23 11:55	08/14/23 12:10
92682122024	BOW-LF5-8-FB-04	Water	08/10/23 12:45	08/14/23 12:10

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92682122001	BOW-GWC-26	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122002	BOW-GWC-27	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122003	BOW-GWC-27R	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122004	BOW-GWC-29	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122005	BOW-GWA-34	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122006	BOW-GWA-34R	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122007	BOW-LF5-8-FD-01	EPA 6010D	MS	7

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92682122008	BOW-LF5-8-FB-01	EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92682122009	BOW-LF5-8-EB-01	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
92682122010	BOW-GWC-28	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
92682122011	BOW-GWA-33R	EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92682122012	BOW-GWA-57	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
92682122013	BOW-LF5-8-FB-02	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92682122014	BOW-LF5-8-EB-02	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92682122015	BOW-GWC-30	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122016	BOW-GWC-31	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
92682122017	BOW-GWC-31R	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92682122018	BOW-GWC-32	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122019	BOW-LF5-8-FD-02	EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92682122020	BOW-LF5-8-FB-03	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92682122022	BOW-GWC-29R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	MS	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92682122023	BOW-GWA-35	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92682122024	BOW-LF5-8-FB-04	EPA 6010D	DRB	7
		EPA 6020B	CW1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92682122001	BOW-GWC-26					
EPA 6010D	Potassium	1.2	mg/L	0.50	08/16/23 06:35	
EPA 6010D	Sodium	2.3	mg/L	1.0	08/16/23 06:35	
EPA 6010D	Calcium	39.3	mg/L	1.0	08/16/23 06:35	M1
EPA 6010D	Magnesium	18.0	mg/L	0.050	08/16/23 06:35	
EPA 6020B	Barium	0.018	mg/L	0.0050	08/17/23 20:38	
EPA 6020B	Boron	0.014J	mg/L	0.040	08/17/23 20:38	
EPA 6020B	Molybdenum	0.0017J	mg/L	0.010	08/17/23 20:38	
SM 2540C-2015	Total Dissolved Solids	184	mg/L	25.0	08/11/23 13:56	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	08/15/23 17:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	08/15/23 17:40	
EPA 300.0 Rev 2.1 1993	Chloride	4.9	mg/L	1.0	08/11/23 13:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/11/23 13:47	
EPA 300.0 Rev 2.1 1993	Sulfate	18.3	mg/L	1.0	08/11/23 13:47	
92682122002	BOW-GWC-27					
EPA 6010D	Iron	0.058	mg/L	0.040	08/16/23 07:04	
EPA 6010D	Potassium	0.70	mg/L	0.50	08/16/23 07:04	
EPA 6010D	Sodium	1.5	mg/L	1.0	08/16/23 07:04	
EPA 6010D	Calcium	33.0	mg/L	1.0	08/16/23 07:04	
EPA 6010D	Magnesium	18.4	mg/L	0.050	08/16/23 07:04	
EPA 6020B	Barium	0.016	mg/L	0.0050	08/18/23 16:18	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/18/23 16:18	
EPA 6020B	Molybdenum	0.0018J	mg/L	0.010	08/18/23 16:18	
SM 2540C-2015	Total Dissolved Solids	177	mg/L	25.0	08/11/23 13:56	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	08/15/23 18:00	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	08/15/23 18:00	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	08/11/23 14:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.051J	mg/L	0.10	08/11/23 14:01	
EPA 300.0 Rev 2.1 1993	Sulfate	16.4	mg/L	1.0	08/11/23 14:01	
92682122003	BOW-GWC-27R					
EPA 6010D	Iron	0.13	mg/L	0.040	08/16/23 07:09	
EPA 6010D	Manganese	0.063	mg/L	0.040	08/16/23 07:09	
EPA 6010D	Potassium	0.80	mg/L	0.50	08/16/23 07:09	
EPA 6010D	Sodium	5.4	mg/L	1.0	08/16/23 07:09	
EPA 6010D	Calcium	29.9	mg/L	1.0	08/16/23 07:09	
EPA 6010D	Magnesium	16.9	mg/L	0.050	08/16/23 07:09	
EPA 6020B	Antimony	0.0020J	mg/L	0.0030	08/18/23 16:42	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/18/23 16:42	
EPA 6020B	Boron	0.014J	mg/L	0.040	08/18/23 16:42	
EPA 6020B	Lithium	0.0011J	mg/L	0.030	08/18/23 16:42	
EPA 6020B	Molybdenum	0.0086J	mg/L	0.010	08/18/23 16:42	
SM 2540C-2015	Total Dissolved Solids	152	mg/L	25.0	08/11/23 13:57	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	154	mg/L	5.0	08/15/23 18:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	154	mg/L	5.0	08/15/23 18:10	M1
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	08/11/23 14:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.088J	mg/L	0.10	08/11/23 14:15	
EPA 300.0 Rev 2.1 1993	Sulfate	4.0	mg/L	1.0	08/11/23 14:15	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92682122004	BOW-GWC-29					
EPA 6010D	Iron	0.039J	mg/L	0.040	08/16/23 07:14	
EPA 6010D	Manganese	0.22	mg/L	0.040	08/16/23 07:14	
EPA 6010D	Potassium	0.87	mg/L	0.50	08/16/23 07:14	
EPA 6010D	Sodium	1.5	mg/L	1.0	08/16/23 07:14	
EPA 6010D	Calcium	28.0	mg/L	1.0	08/16/23 07:14	
EPA 6010D	Magnesium	17.3	mg/L	0.050	08/16/23 07:14	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	08/18/23 16:48	
EPA 6020B	Barium	0.032	mg/L	0.0050	08/18/23 16:48	
EPA 6020B	Lithium	0.0030J	mg/L	0.030	08/18/23 16:48	
EPA 6020B	Molybdenum	0.0087J	mg/L	0.010	08/18/23 16:48	
EPA 6020B	Thallium	0.00023J	mg/L	0.0010	08/18/23 16:48	
SM 2540C-2015	Total Dissolved Solids	163	mg/L	25.0	08/11/23 13:57	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	156	mg/L	5.0	08/15/23 18:37	
SM 2320B-2011	Alkalinity, Total as CaCO3	156	mg/L	5.0	08/15/23 18:37	M1
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/11/23 14:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/11/23 14:29	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	08/11/23 14:29	
92682122005	BOW-GWA-34					
EPA 6010D	Iron	7.7	mg/L	0.040	08/16/23 07:18	
EPA 6010D	Manganese	0.31	mg/L	0.040	08/16/23 07:18	
EPA 6010D	Potassium	0.66	mg/L	0.50	08/16/23 07:18	
EPA 6010D	Sodium	3.9	mg/L	1.0	08/16/23 07:18	
EPA 6010D	Calcium	17.8	mg/L	1.0	08/16/23 07:18	
EPA 6010D	Magnesium	9.8	mg/L	0.050	08/16/23 07:18	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/18/23 16:54	
EPA 6020B	Beryllium	0.000056J	mg/L	0.00050	08/18/23 16:54	
EPA 6020B	Cobalt	0.013	mg/L	0.0050	08/18/23 16:54	
EPA 6020B	Lithium	0.0023J	mg/L	0.030	08/18/23 16:54	
EPA 6020B	Nickel	0.0070	mg/L	0.0050	08/18/23 16:54	
SM 2540C-2015	Total Dissolved Solids	86.0	mg/L	25.0	08/11/23 13:57	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	91.8	mg/L	5.0	08/15/23 19:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	91.8	mg/L	5.0	08/15/23 19:32	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	08/11/23 14:44	
EPA 300.0 Rev 2.1 1993	Sulfate	0.68J	mg/L	1.0	08/11/23 14:44	
92682122006	BOW-GWA-34R					
EPA 6010D	Iron	0.81	mg/L	0.040	08/16/23 07:23	
EPA 6010D	Manganese	0.43	mg/L	0.040	08/16/23 07:23	
EPA 6010D	Potassium	0.56	mg/L	0.50	08/16/23 07:23	
EPA 6010D	Sodium	2.1	mg/L	1.0	08/16/23 07:23	
EPA 6010D	Calcium	36.1	mg/L	1.0	08/16/23 07:23	
EPA 6010D	Magnesium	21.6	mg/L	0.050	08/16/23 07:23	
EPA 6020B	Barium	0.016	mg/L	0.0050	08/18/23 17:00	
EPA 6020B	Cobalt	0.0023J	mg/L	0.0050	08/18/23 17:00	
EPA 6020B	Lithium	0.0010J	mg/L	0.030	08/18/23 17:00	
EPA 6020B	Nickel	0.0013J	mg/L	0.0050	08/18/23 17:00	
SM 2540C-2015	Total Dissolved Solids	182	mg/L	25.0	08/11/23 13:57	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92682122006	BOW-GWA-34R					
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	202	mg/L	5.0	08/15/23 19:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	202	mg/L	5.0	08/15/23 19:40	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	08/11/23 15:26	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	08/11/23 15:26	
92682122007	BOW-LF5-8-FD-01					
EPA 6010D	Iron	0.049	mg/L	0.040	08/16/23 07:28	
EPA 6010D	Manganese	0.21	mg/L	0.040	08/16/23 07:28	
EPA 6010D	Potassium	0.73	mg/L	0.50	08/16/23 07:28	
EPA 6010D	Sodium	1.4	mg/L	1.0	08/16/23 07:28	
EPA 6010D	Calcium	26.7	mg/L	1.0	08/16/23 07:28	
EPA 6010D	Magnesium	16.5	mg/L	0.050	08/16/23 07:28	
EPA 6020B	Barium	0.032	mg/L	0.0050	08/18/23 17:18	
EPA 6020B	Lithium	0.0029J	mg/L	0.030	08/18/23 17:18	
EPA 6020B	Molybdenum	0.0084J	mg/L	0.010	08/18/23 17:18	
EPA 6020B	Thallium	0.00021J	mg/L	0.0010	08/18/23 17:18	
SM 2540C-2015	Total Dissolved Solids	132	mg/L	25.0	08/11/23 13:58	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	157	mg/L	5.0	08/15/23 19:52	
SM 2320B-2011	Alkalinity, Total as CaCO3	157	mg/L	5.0	08/15/23 19:52	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/11/23 15:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/11/23 15:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	08/11/23 15:41	
92682122009	BOW-LF5-8-EB-01					
SM 2540C-2015	Total Dissolved Solids	59.0	mg/L	25.0	08/11/23 13:58	
92682122010	BOW-GWC-28					
EPA 6010D	Manganese	0.023J	mg/L	0.040	08/16/23 07:52	
EPA 6010D	Potassium	1.1	mg/L	0.50	08/16/23 07:52	
EPA 6010D	Sodium	8.5	mg/L	1.0	08/16/23 07:52	
EPA 6010D	Calcium	32.1	mg/L	1.0	08/16/23 07:52	
EPA 6010D	Magnesium	18.9	mg/L	0.050	08/16/23 07:52	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/18/23 17:35	
EPA 6020B	Lithium	0.00082J	mg/L	0.030	08/18/23 17:35	
EPA 6020B	Molybdenum	0.043	mg/L	0.010	08/18/23 17:35	
SM 2540C-2015	Total Dissolved Solids	178	mg/L	25.0	08/11/23 14:01	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	08/15/23 12:28	
SM 2320B-2011	Alkalinity, Total as CaCO3	161	mg/L	5.0	08/15/23 12:28	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	08/11/23 16:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.088J	mg/L	0.10	08/11/23 16:23	M1
EPA 300.0 Rev 2.1 1993	Sulfate	17.6	mg/L	1.0	08/11/23 16:23	
92682122011	BOW-GWA-33R					
EPA 6010D	Iron	0.029J	mg/L	0.040	08/16/23 07:57	
EPA 6010D	Potassium	0.33J	mg/L	0.50	08/16/23 07:57	
EPA 6010D	Sodium	2.1	mg/L	1.0	08/16/23 07:57	
EPA 6010D	Calcium	28.6	mg/L	1.0	08/16/23 07:57	
EPA 6010D	Magnesium	12.6	mg/L	0.050	08/16/23 07:57	
EPA 6020B	Barium	0.0013J	mg/L	0.0050	08/18/23 17:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92682122011	BOW-GWA-33R					
EPA 6020B	Molybdenum	0.00078J	mg/L	0.010	08/18/23 17:41	
SM 2540C-2015	Total Dissolved Solids	136	mg/L	25.0	08/11/23 14:01	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	136	mg/L	5.0	08/15/23 12:38	
SM 2320B-2011	Alkalinity, Total as CaCO3	136	mg/L	5.0	08/15/23 12:38	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	08/11/23 17:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/11/23 17:06	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	08/11/23 17:06	
92682122012	BOW-GWA-57					
EPA 6010D	Iron	0.17	mg/L	0.040	08/16/23 08:02	
EPA 6010D	Manganese	0.45	mg/L	0.040	08/16/23 08:02	
EPA 6010D	Potassium	0.40J	mg/L	0.50	08/16/23 08:02	
EPA 6010D	Sodium	2.8	mg/L	1.0	08/16/23 08:02	
EPA 6010D	Calcium	32.7	mg/L	1.0	08/16/23 08:02	
EPA 6010D	Magnesium	20.3	mg/L	0.050	08/16/23 08:02	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/18/23 17:47	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	08/18/23 17:47	
EPA 6020B	Molybdenum	0.0011J	mg/L	0.010	08/18/23 17:47	
SM 2540C-2015	Total Dissolved Solids	178	mg/L	25.0	08/11/23 14:02	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	177	mg/L	5.0	08/15/23 12:57	
SM 2320B-2011	Alkalinity, Total as CaCO3	177	mg/L	5.0	08/15/23 12:57	
EPA 300.0 Rev 2.1 1993	Chloride	3.6	mg/L	1.0	08/11/23 17:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.071J	mg/L	0.10	08/11/23 17:20	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	08/11/23 17:20	
92682122015	BOW-GWC-30					
EPA 6010D	Potassium	0.99	mg/L	0.50	08/16/23 08:16	
EPA 6010D	Sodium	1.7	mg/L	1.0	08/16/23 08:16	
EPA 6010D	Calcium	39.6	mg/L	1.0	08/16/23 08:16	
EPA 6010D	Magnesium	21.2	mg/L	0.050	08/16/23 08:16	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/18/23 18:05	
EPA 6020B	Molybdenum	0.016	mg/L	0.010	08/18/23 18:05	
SM 2540C-2015	Total Dissolved Solids	199	mg/L	25.0	08/14/23 13:25	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	08/16/23 13:32	
SM 2320B-2011	Alkalinity, Total as CaCO3	185	mg/L	5.0	08/16/23 13:32	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	08/11/23 18:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	08/11/23 18:30	
EPA 300.0 Rev 2.1 1993	Sulfate	4.2	mg/L	1.0	08/11/23 18:30	
92682122016	BOW-GWC-31					
EPA 6010D	Iron	0.80	mg/L	0.040	08/16/23 08:21	
EPA 6010D	Manganese	0.42	mg/L	0.040	08/16/23 08:21	
EPA 6010D	Potassium	1.1	mg/L	0.50	08/16/23 08:21	
EPA 6010D	Sodium	2.2	mg/L	1.0	08/16/23 08:21	
EPA 6010D	Calcium	27.9	mg/L	1.0	08/16/23 08:21	
EPA 6010D	Magnesium	24.2	mg/L	0.050	08/16/23 08:21	
EPA 6020B	Arsenic	0.0078	mg/L	0.0050	08/18/23 18:11	
EPA 6020B	Barium	0.070	mg/L	0.0050	08/18/23 18:11	
EPA 6020B	Cobalt	0.00076J	mg/L	0.0050	08/18/23 18:11	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682122016	BOW-GWC-31					
EPA 6020B	Lithium	0.0037J	mg/L	0.030	08/18/23 18:11	
EPA 6020B	Molybdenum	0.018	mg/L	0.010	08/18/23 18:11	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	25.0	08/14/23 13:25	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	08/16/23 13:43	
SM 2320B-2011	Alkalinity, Total as CaCO3	182	mg/L	5.0	08/16/23 13:43	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	08/11/23 18:44	
EPA 300.0 Rev 2.1 1993	Fluoride	0.071J	mg/L	0.10	08/11/23 18:44	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	08/11/23 18:44	
92682122017	BOW-GWC-31R					
EPA 6010D	Iron	0.051	mg/L	0.040	08/16/23 08:26	
EPA 6010D	Manganese	0.013J	mg/L	0.040	08/16/23 08:26	
EPA 6010D	Potassium	0.68	mg/L	0.50	08/16/23 08:26	
EPA 6010D	Sodium	2.4	mg/L	1.0	08/16/23 08:26	
EPA 6010D	Calcium	36.2	mg/L	1.0	08/16/23 08:26	
EPA 6010D	Magnesium	21.1	mg/L	0.050	08/16/23 08:26	
EPA 6020B	Barium	0.025	mg/L	0.0050	08/18/23 18:29	
EPA 6020B	Molybdenum	0.0024J	mg/L	0.010	08/18/23 18:29	
SM 2540C-2015	Total Dissolved Solids	170	mg/L	25.0	08/14/23 13:25	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	179	mg/L	5.0	08/16/23 13:55	
SM 2320B-2011	Alkalinity, Total as CaCO3	179	mg/L	5.0	08/16/23 13:55	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	08/11/23 18:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	08/11/23 18:58	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	08/11/23 18:58	
92682122018	BOW-GWC-32					
EPA 6010D	Iron	1.0	mg/L	0.040	08/16/23 08:31	
EPA 6010D	Manganese	0.19	mg/L	0.040	08/16/23 08:31	
EPA 6010D	Potassium	1.3	mg/L	0.50	08/16/23 08:31	
EPA 6010D	Sodium	3.2	mg/L	1.0	08/16/23 08:31	
EPA 6010D	Calcium	49.0	mg/L	1.0	08/16/23 08:31	
EPA 6010D	Magnesium	26.0	mg/L	0.050	08/16/23 08:31	
EPA 6020B	Barium	0.020	mg/L	0.0050	08/18/23 18:35	
EPA 6020B	Cobalt	0.00060J	mg/L	0.0050	08/18/23 18:35	
EPA 6020B	Lithium	0.013J	mg/L	0.030	08/18/23 18:35	
EPA 6020B	Molybdenum	0.021	mg/L	0.010	08/18/23 18:35	
SM 2540C-2015	Total Dissolved Solids	223	mg/L	25.0	08/14/23 13:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	240	mg/L	5.0	08/17/23 20:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	240	mg/L	5.0	08/17/23 20:24	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	08/11/23 19:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/11/23 19:12	
EPA 300.0 Rev 2.1 1993	Sulfate	4.5	mg/L	1.0	08/11/23 19:12	
92682122019	BOW-LF5-8-FD-02					
EPA 6010D	Iron	0.82	mg/L	0.040	08/16/23 08:45	
EPA 6010D	Manganese	0.42	mg/L	0.040	08/16/23 08:45	
EPA 6010D	Potassium	1.0	mg/L	0.50	08/16/23 08:45	
EPA 6010D	Sodium	2.2	mg/L	1.0	08/16/23 08:45	
EPA 6010D	Calcium	27.6	mg/L	1.0	08/16/23 08:45	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92682122019	BOW-LF5-8-FD-02					
EPA 6010D	Magnesium	24.1	mg/L	0.050	08/16/23 08:45	
EPA 6020B	Arsenic	0.0073	mg/L	0.0050	08/18/23 18:47	
EPA 6020B	Barium	0.069	mg/L	0.0050	08/18/23 18:47	
EPA 6020B	Cobalt	0.00073J	mg/L	0.0050	08/18/23 18:47	
EPA 6020B	Lithium	0.0037J	mg/L	0.030	08/18/23 18:47	
EPA 6020B	Molybdenum	0.017	mg/L	0.010	08/18/23 18:47	
SM 2540C-2015	Total Dissolved Solids	172	mg/L	25.0	08/14/23 13:26	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	08/16/23 14:27	
SM 2320B-2011	Alkalinity, Total as CaCO3	185	mg/L	5.0	08/16/23 14:27	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	08/11/23 19:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.071J	mg/L	0.10	08/11/23 19:26	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	08/11/23 19:26	
92682122022	BOW-GWC-29R					
EPA 6010D	Iron	0.075	mg/L	0.040	08/18/23 22:46	
EPA 6010D	Manganese	0.020J	mg/L	0.040	08/18/23 22:46	
EPA 6010D	Potassium	0.89	mg/L	0.50	08/18/23 22:46	
EPA 6010D	Sodium	2.9	mg/L	1.0	08/18/23 22:46	
EPA 6010D	Calcium	32.2	mg/L	1.0	08/18/23 22:46	
EPA 6010D	Magnesium	18.3	mg/L	0.050	08/18/23 22:46	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/22/23 17:27	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/22/23 17:27	
EPA 6020B	Cobalt	0.00045J	mg/L	0.0050	08/22/23 17:27	
EPA 6020B	Lithium	0.0020J	mg/L	0.030	08/22/23 17:27	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	08/22/23 17:27	
SM 2540C-2015	Total Dissolved Solids	159	mg/L	25.0	08/16/23 15:00	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	08/17/23 16:25	
SM 2320B-2011	Alkalinity, Total as CaCO3	152	mg/L	5.0	08/17/23 16:25	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	08/15/23 18:13	
EPA 300.0 Rev 2.1 1993	Sulfate	4.6	mg/L	1.0	08/15/23 18:13	
92682122023	BOW-GWA-35					
EPA 6010D	Manganese	0.024J	mg/L	0.040	08/18/23 22:51	
EPA 6010D	Potassium	1.8	mg/L	0.50	08/18/23 22:51	
EPA 6010D	Sodium	2.4	mg/L	1.0	08/18/23 22:51	
EPA 6010D	Calcium	45.5	mg/L	1.0	08/18/23 22:51	
EPA 6010D	Magnesium	29.9	mg/L	0.050	08/18/23 22:51	
EPA 6020B	Barium	0.021	mg/L	0.0050	08/22/23 17:30	
EPA 6020B	Boron	0.017J	mg/L	0.040	08/22/23 17:30	
EPA 6020B	Molybdenum	0.0015J	mg/L	0.010	08/22/23 17:30	
SM 2540C-2015	Total Dissolved Solids	237	mg/L	25.0	08/16/23 15:00	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	258	mg/L	5.0	08/17/23 19:48	
SM 2320B-2011	Alkalinity, Total as CaCO3	258	mg/L	5.0	08/17/23 19:48	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	08/15/23 18:28	
EPA 300.0 Rev 2.1 1993	Sulfate	5.4	mg/L	1.0	08/15/23 18:28	
92682122024	BOW-LF5-8-FB-04					
SM 2540C-2015	Total Dissolved Solids	77.0	mg/L	25.0	08/16/23 15:00	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-26 **Lab ID: 92682122001** Collected: 08/07/23 11:42 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 06:35	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 06:35	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 06:35	7440-66-6	
Potassium	1.2	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 06:35	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 06:35	7440-23-5	
Calcium	39.3	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 06:35	7440-70-2	M1
Magnesium	18.0	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 06:35	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/12/23 12:00	08/17/23 20:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/12/23 12:00	08/17/23 20:38	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	08/12/23 12:00	08/17/23 20:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/23 12:00	08/17/23 20:38	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	08/12/23 12:00	08/17/23 20:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/23 12:00	08/17/23 20:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/23 12:00	08/17/23 20:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/23 12:00	08/17/23 20:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/12/23 12:00	08/17/23 20:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/12/23 12:00	08/17/23 20:38	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/12/23 12:00	08/17/23 20:38	7439-93-2	
Molybdenum	0.0017J	mg/L	0.010	0.00074	1	08/12/23 12:00	08/17/23 20:38	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/23 12:00	08/17/23 20:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/23 12:00	08/17/23 20:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/23 12:00	08/17/23 20:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/23 12:00	08/17/23 20:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/12/23 12:00	08/17/23 20:38	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	184	mg/L	25.0	25.0	1		08/11/23 13:56		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	5.0	1		08/15/23 17:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 17:40		
Alkalinity, Total as CaCO3	161	mg/L	5.0	5.0	1		08/15/23 17:40		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-26 Lab ID: 92682122001 Collected: 08/07/23 11:42 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.9	mg/L	1.0	0.60	1		08/11/23 13:47	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		08/11/23 13:47	16984-48-8	
Sulfate	18.3	mg/L	1.0	0.50	1		08/11/23 13:47	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-27 Lab ID: 92682122002 Collected: 08/07/23 11:05 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.058	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:04	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:04	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:04	7440-66-6	
Potassium	0.70	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:04	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:04	7440-23-5	
Calcium	33.0	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:04	7440-70-2	
Magnesium	18.4	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:04	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 16:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 16:18	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 16:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 16:18	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 16:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 16:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 16:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 16:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 16:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 16:18	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 16:18	7439-93-2	
Molybdenum	0.0018J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 16:18	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 16:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 16:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 16:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 16:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 16:18	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	177	mg/L	25.0	25.0	1		08/11/23 13:56		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	5.0	1		08/15/23 18:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 18:00		
Alkalinity, Total as CaCO3	150	mg/L	5.0	5.0	1		08/15/23 18:00		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-27 Lab ID: 92682122002 Collected: 08/07/23 11:05 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		08/11/23 14:01	16887-00-6	
Fluoride	0.051J	mg/L	0.10	0.050	1		08/11/23 14:01	16984-48-8	
Sulfate	16.4	mg/L	1.0	0.50	1		08/11/23 14:01	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-27R Lab ID: 92682122003 Collected: 08/07/23 14:20 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.13	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:09	7439-89-6	
Manganese	0.063	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:09	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:09	7440-66-6	
Potassium	0.80	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:09	7440-09-7	
Sodium	5.4	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:09	7440-23-5	
Calcium	29.9	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:09	7440-70-2	
Magnesium	16.9	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:09	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0020J	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 16:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 16:42	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 16:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 16:42	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 16:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 16:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 16:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 16:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 16:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 16:42	7439-92-1	
Lithium	0.0011J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 16:42	7439-93-2	
Molybdenum	0.0086J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 16:42	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 16:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 16:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 16:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 16:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 16:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	152	mg/L	25.0	25.0	1		08/11/23 13:57		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	154	mg/L	5.0	5.0	1		08/15/23 18:10		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 18:10		
Alkalinity, Total as CaCO3	154	mg/L	5.0	5.0	1		08/15/23 18:10		M1

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background
 Pace Project No.: 92682122

Sample: BOW-GWC-27R **Lab ID: 92682122003** Collected: 08/07/23 14:20 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.0	mg/L	1.0	0.60	1		08/11/23 14:15	16887-00-6	
Fluoride	0.088J	mg/L	0.10	0.050	1		08/11/23 14:15	16984-48-8	
Sulfate	4.0	mg/L	1.0	0.50	1		08/11/23 14:15	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-29	Lab ID: 92682122004	Collected: 08/07/23 11:27	Received: 08/10/23 10:10	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.039J	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:14	7439-89-6	
Manganese	0.22	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:14	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:14	7440-66-6	
Potassium	0.87	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:14	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:14	7440-23-5	
Calcium	28.0	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:14	7440-70-2	
Magnesium	17.3	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:14	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0015J	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 16:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 16:48	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 16:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 16:48	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 16:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 16:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 16:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 16:48	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 16:48	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 16:48	7439-92-1	
Lithium	0.0030J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 16:48	7439-93-2	
Molybdenum	0.0087J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 16:48	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 16:48	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 16:48	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 16:48	7440-22-4	
Thallium	0.00023J	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 16:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 16:48	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	163	mg/L	25.0	25.0	1		08/11/23 13:57		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity, Bicarbonate (CaCO3)	156	mg/L	5.0	5.0	1		08/15/23 18:37		
Alkalinity, Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 18:37		
Alkalinity, Total as CaCO3	156	mg/L	5.0	5.0	1		08/15/23 18:37		M1

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-29 Lab ID: 92682122004 Collected: 08/07/23 11:27 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		08/11/23 14:29	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		08/11/23 14:29	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		08/11/23 14:29	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-34 Lab ID: 92682122005 Collected: 08/07/23 13:58 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	7.7	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:18	7439-89-6	
Manganese	0.31	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:18	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:18	7440-66-6	
Potassium	0.66	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:18	7440-09-7	
Sodium	3.9	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:18	7440-23-5	
Calcium	17.8	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:18	7440-70-2	
Magnesium	9.8	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:18	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 16:54	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 16:54	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 16:54	7440-39-3	
Beryllium	0.000056J	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 16:54	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 16:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 16:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 16:54	7440-47-3	
Cobalt	0.013	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 16:54	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 16:54	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 16:54	7439-92-1	
Lithium	0.0023J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 16:54	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 16:54	7439-98-7	
Nickel	0.0070	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 16:54	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 16:54	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 16:54	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 16:54	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 16:54	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:40	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	86.0	mg/L	25.0	25.0	1		08/11/23 13:57		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	91.8	mg/L	5.0	5.0	1		08/15/23 19:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 19:32		
Alkalinity, Total as CaCO3	91.8	mg/L	5.0	5.0	1		08/15/23 19:32		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-34 Lab ID: 92682122005 Collected: 08/07/23 13:58 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.7	mg/L	1.0	0.60	1		08/11/23 14:44	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/23 14:44	16984-48-8	
Sulfate	0.68J	mg/L	1.0	0.50	1		08/11/23 14:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-34R Lab ID: 92682122006 Collected: 08/07/23 13:52 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.81	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:23	7439-89-6	
Manganese	0.43	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:23	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:23	7440-66-6	
Potassium	0.56	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:23	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:23	7440-23-5	
Calcium	36.1	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:23	7440-70-2	
Magnesium	21.6	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:23	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:00	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:00	7440-47-3	
Cobalt	0.0023J	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:00	7439-92-1	
Lithium	0.0010J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:00	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:00	7439-98-7	
Nickel	0.0013J	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	182	mg/L	25.0	25.0	1		08/11/23 13:57		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	202	mg/L	5.0	5.0	1		08/15/23 19:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 19:40		
Alkalinity, Total as CaCO3	202	mg/L	5.0	5.0	1		08/15/23 19:40		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-34R Lab ID: 92682122006 Collected: 08/07/23 13:52 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.7	mg/L	1.0	0.60	1		08/11/23 15:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/23 15:26	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		08/11/23 15:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FD-01 Lab ID: 92682122007 Collected: 08/07/23 00:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.049	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:28	7439-89-6	
Manganese	0.21	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:28	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:28	7440-66-6	
Potassium	0.73	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:28	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:28	7440-23-5	
Calcium	26.7	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:28	7440-70-2	
Magnesium	16.5	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:28	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:18	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:18	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:18	7439-92-1	
Lithium	0.0029J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:18	7439-93-2	
Molybdenum	0.0084J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:18	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:18	7440-22-4	
Thallium	0.00021J	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:18	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	132	mg/L	25.0	25.0	1		08/11/23 13:58		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	157	mg/L	5.0	5.0	1		08/15/23 19:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 19:52		
Alkalinity, Total as CaCO3	157	mg/L	5.0	5.0	1		08/15/23 19:52		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FD-01 Lab ID: 92682122007 Collected: 08/07/23 00:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		08/11/23 15:41	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		08/11/23 15:41	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		08/11/23 15:41	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-01 Lab ID: 92682122008 Collected: 08/07/23 15:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:33	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:33	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:33	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:33	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:33	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:33	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:33	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:24	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:24	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:24	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:24	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:24	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:24	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:24	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:24	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:24	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:24	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:24	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:24	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:24	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:24	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:24	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:24	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/11/23 13:58		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 20:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 20:02		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/15/23 20:02		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-01 Lab ID: 92682122008 Collected: 08/07/23 15:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/11/23 15:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/23 15:55	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/11/23 15:55	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-EB-01 Lab ID: 92682122009 Collected: 08/07/23 15:10 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:47	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:47	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:47	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:47	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:47	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:47	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:47	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:30	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:30	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:30	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:30	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:50	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	59.0	mg/L	25.0	25.0	1		08/11/23 13:58		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 20:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 20:06		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/15/23 20:06		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-EB-01 Lab ID: 92682122009 Collected: 08/07/23 15:10 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/11/23 16:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/23 16:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/11/23 16:09	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-28 Lab ID: 92682122010 Collected: 08/08/23 11:20 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:52	7439-89-6	
Manganese	0.023J	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:52	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:52	7440-66-6	
Potassium	1.1	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:52	7440-09-7	
Sodium	8.5	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:52	7440-23-5	
Calcium	32.1	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:52	7440-70-2	
Magnesium	18.9	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:52	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:35	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:35	7439-92-1	
Lithium	0.00082J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:35	7439-93-2	
Molybdenum	0.043	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:35	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:53	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	178	mg/L	25.0	25.0	1		08/11/23 14:01		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	5.0	1		08/15/23 12:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 12:28		
Alkalinity, Total as CaCO3	161	mg/L	5.0	5.0	1		08/15/23 12:28		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-28 Lab ID: 92682122010 Collected: 08/08/23 11:20 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		08/11/23 16:23	16887-00-6	
Fluoride	0.088J	mg/L	0.10	0.050	1		08/11/23 16:23	16984-48-8	M1
Sulfate	17.6	mg/L	1.0	0.50	1		08/11/23 16:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-33R Lab ID: 92682122011 Collected: 08/08/23 10:40 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.029J	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 07:57	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 07:57	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 07:57	7440-66-6	
Potassium	0.33J	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 07:57	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 07:57	7440-23-5	
Calcium	28.6	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 07:57	7440-70-2	
Magnesium	12.6	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 07:57	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:41	7440-38-2	
Barium	0.0013J	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:41	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:41	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:41	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:41	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:41	7439-93-2	
Molybdenum	0.00078J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:41	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:41	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:41	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:41	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 17:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	136	mg/L	25.0	25.0	1		08/11/23 14:01		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	136	mg/L	5.0	5.0	1		08/15/23 12:38		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 12:38		
Alkalinity, Total as CaCO3	136	mg/L	5.0	5.0	1		08/15/23 12:38		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-33R Lab ID: 92682122011 Collected: 08/08/23 10:40 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.0	mg/L	1.0	0.60	1		08/11/23 17:06	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		08/11/23 17:06	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		08/11/23 17:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-57 Lab ID: 92682122012 Collected: 08/08/23 14:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.17	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:02	7439-89-6	
Manganese	0.45	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:02	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:02	7440-66-6	
Potassium	0.40J	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:02	7440-09-7	
Sodium	2.8	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:02	7440-23-5	
Calcium	32.7	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:02	7440-70-2	
Magnesium	20.3	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:02	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:47	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:47	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:47	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:47	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:47	7439-93-2	
Molybdenum	0.0011J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:47	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:47	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 18:03	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	178	mg/L	25.0	25.0	1		08/11/23 14:02		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	177	mg/L	5.0	5.0	1		08/15/23 12:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 12:57		
Alkalinity, Total as CaCO3	177	mg/L	5.0	5.0	1		08/15/23 12:57		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-57 Lab ID: 92682122012 Collected: 08/08/23 14:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.6	mg/L	1.0	0.60	1		08/11/23 17:20	16887-00-6	
Fluoride	0.071J	mg/L	0.10	0.050	1		08/11/23 17:20	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		08/11/23 17:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-02 Lab ID: 92682122013 Collected: 08/08/23 15:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:07	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:07	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:07	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:07	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:07	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:07	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:07	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:53	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:53	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:53	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:53	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/17/23 13:00	08/17/23 18:06	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/11/23 14:02		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 13:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 13:08		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/15/23 13:08		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-02 Lab ID: 92682122013 Collected: 08/08/23 15:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/11/23 17:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/23 17:34	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/11/23 17:34	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-EB-02 Lab ID: 92682122014 Collected: 08/08/23 15:10 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:12	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:12	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:12	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:12	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:12	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:12	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:12	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 17:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 17:59	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 17:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 17:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 17:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 17:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 17:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 17:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 17:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 17:59	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 17:59	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 17:59	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 17:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 17:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 17:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 17:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 17:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:06	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/11/23 14:02		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 13:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/15/23 13:12		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/15/23 13:12		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-EB-02 Lab ID: 92682122014 Collected: 08/08/23 15:10 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/11/23 18:16	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/11/23 18:16	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/11/23 18:16	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-30 Lab ID: 92682122015 Collected: 08/09/23 09:52 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:16	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:16	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:16	7440-66-6	
Potassium	0.99	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:16	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:16	7440-23-5	
Calcium	39.6	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:16	7440-70-2	
Magnesium	21.2	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:16	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 18:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 18:05	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 18:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 18:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 18:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 18:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 18:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 18:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 18:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 18:05	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 18:05	7439-93-2	
Molybdenum	0.016	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 18:05	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 18:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 18:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 18:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 18:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 18:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	199	mg/L	25.0	25.0	1		08/14/23 13:25		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	5.0	1		08/16/23 13:32		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 13:32		
Alkalinity, Total as CaCO3	185	mg/L	5.0	5.0	1		08/16/23 13:32		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background
 Pace Project No.: 92682122

Sample: BOW-GWC-30 **Lab ID: 92682122015** Collected: 08/09/23 09:52 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		08/11/23 18:30	16887-00-6	
Fluoride	0.078J	mg/L	0.10	0.050	1		08/11/23 18:30	16984-48-8	
Sulfate	4.2	mg/L	1.0	0.50	1		08/11/23 18:30	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-31 Lab ID: 92682122016 Collected: 08/09/23 12:40 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	0.80	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:21	7439-89-6	
Manganese	0.42	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:21	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:21	7440-66-6	
Potassium	1.1	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:21	7440-09-7	
Sodium	2.2	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:21	7440-23-5	
Calcium	27.9	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:21	7440-70-2	
Magnesium	24.2	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:21	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 18:11	7440-36-0	
Arsenic	0.0078	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 18:11	7440-38-2	
Barium	0.070	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 18:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 18:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 18:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 18:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 18:11	7440-47-3	
Cobalt	0.00076J	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 18:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 18:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 18:11	7439-92-1	
Lithium	0.0037J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 18:11	7439-93-2	
Molybdenum	0.018	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 18:11	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 18:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 18:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 18:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 18:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 18:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:17	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	171	mg/L	25.0	25.0	1		08/14/23 13:25		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	5.0	1		08/16/23 13:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 13:43		
Alkalinity, Total as CaCO3	182	mg/L	5.0	5.0	1		08/16/23 13:43		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-31 Lab ID: 92682122016 Collected: 08/09/23 12:40 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		08/11/23 18:44	16887-00-6	
Fluoride	0.071J	mg/L	0.10	0.050	1		08/11/23 18:44	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		08/11/23 18:44	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-31R Lab ID: 92682122017 Collected: 08/09/23 11:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.051	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:26	7439-89-6	
Manganese	0.013J	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:26	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:26	7440-66-6	
Potassium	0.68	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:26	7440-09-7	
Sodium	2.4	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:26	7440-23-5	
Calcium	36.2	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:26	7440-70-2	
Magnesium	21.1	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:26	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 18:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 18:29	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 18:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 18:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 18:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 18:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 18:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 18:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 18:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 18:29	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 18:29	7439-93-2	
Molybdenum	0.0024J	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 18:29	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 18:29	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 18:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 18:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 18:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 18:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:27	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	170	mg/L	25.0	25.0	1		08/14/23 13:25		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	179	mg/L	5.0	5.0	1		08/16/23 13:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 13:55		
Alkalinity, Total as CaCO3	179	mg/L	5.0	5.0	1		08/16/23 13:55		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-31R Lab ID: 92682122017 Collected: 08/09/23 11:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		08/11/23 18:58	16887-00-6	
Fluoride	0.050J	mg/L	0.10	0.050	1		08/11/23 18:58	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		08/11/23 18:58	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-32 Lab ID: 92682122018 Collected: 08/09/23 15:45 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	1.0	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:31	7439-89-6	
Manganese	0.19	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:31	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:31	7440-66-6	
Potassium	1.3	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:31	7440-09-7	
Sodium	3.2	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:31	7440-23-5	
Calcium	49.0	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:31	7440-70-2	
Magnesium	26.0	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:31	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 18:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 18:35	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 18:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 18:35	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 18:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 18:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 18:35	7440-47-3	
Cobalt	0.00060J	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 18:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 18:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 18:35	7439-92-1	
Lithium	0.013J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 18:35	7439-93-2	
Molybdenum	0.021	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 18:35	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 18:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 18:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 18:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 18:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 18:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	223	mg/L	25.0	25.0	1		08/14/23 13:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	240	mg/L	5.0	5.0	1		08/17/23 20:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/17/23 20:24		
Alkalinity, Total as CaCO3	240	mg/L	5.0	5.0	1		08/17/23 20:24		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-32 Lab ID: 92682122018 Collected: 08/09/23 15:45 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		08/11/23 19:12	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		08/11/23 19:12	16984-48-8	
Sulfate	4.5	mg/L	1.0	0.50	1		08/11/23 19:12	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FD-02 Lab ID: 92682122019 Collected: 08/09/23 00:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.82	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:45	7439-89-6	
Manganese	0.42	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:45	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:45	7440-66-6	
Potassium	1.0	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:45	7440-09-7	
Sodium	2.2	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:45	7440-23-5	
Calcium	27.6	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:45	7440-70-2	
Magnesium	24.1	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:45	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 18:47	7440-36-0	
Arsenic	0.0073	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 18:47	7440-38-2	
Barium	0.069	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 18:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 18:47	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 18:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 18:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 18:47	7440-47-3	
Cobalt	0.00073J	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 18:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 18:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 18:47	7439-92-1	
Lithium	0.0037J	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 18:47	7439-93-2	
Molybdenum	0.017	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 18:47	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 18:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 18:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 18:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 18:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 18:47	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:33	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	172	mg/L	25.0	25.0	1		08/14/23 13:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	5.0	1		08/16/23 14:27		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:27		
Alkalinity, Total as CaCO3	185	mg/L	5.0	5.0	1		08/16/23 14:27		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FD-02 Lab ID: 92682122019 Collected: 08/09/23 00:00 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		08/11/23 19:26	16887-00-6	
Fluoride	0.071J	mg/L	0.10	0.050	1		08/11/23 19:26	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		08/11/23 19:26	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-03 Lab ID: 92682122020 Collected: 08/09/23 17:05 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/15/23 10:20	08/16/23 08:50	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/15/23 10:20	08/16/23 08:50	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/15/23 10:20	08/16/23 08:50	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/15/23 10:20	08/16/23 08:50	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/15/23 10:20	08/16/23 08:50	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/15/23 10:20	08/16/23 08:50	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/15/23 10:20	08/16/23 08:50	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/14/23 14:28	08/18/23 18:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/14/23 14:28	08/18/23 18:53	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/14/23 14:28	08/18/23 18:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/14/23 14:28	08/18/23 18:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/14/23 14:28	08/18/23 18:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/14/23 14:28	08/18/23 18:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/14/23 14:28	08/18/23 18:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/14/23 14:28	08/18/23 18:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/14/23 14:28	08/18/23 18:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/14/23 14:28	08/18/23 18:53	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/14/23 14:28	08/18/23 18:53	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/14/23 14:28	08/18/23 18:53	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/14/23 14:28	08/18/23 18:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/14/23 14:28	08/18/23 18:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/14/23 14:28	08/18/23 18:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/14/23 14:28	08/18/23 18:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/14/23 14:28	08/18/23 18:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 15:35	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		08/14/23 13:26		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/16/23 14:39		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/16/23 14:39		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-03 Lab ID: 92682122020 Collected: 08/09/23 17:05 Received: 08/10/23 10:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/12/23 23:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/12/23 23:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/12/23 23:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-29R Lab ID: 92682122022 Collected: 08/10/23 12:10 Received: 08/14/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.075	mg/L	0.040	0.025	1	08/18/23 10:59	08/18/23 22:46	7439-89-6	
Manganese	0.020J	mg/L	0.040	0.011	1	08/18/23 10:59	08/18/23 22:46	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/18/23 10:59	08/18/23 22:46	7440-66-6	
Potassium	0.89	mg/L	0.50	0.15	1	08/18/23 10:59	08/18/23 22:46	7440-09-7	
Sodium	2.9	mg/L	1.0	0.58	1	08/18/23 10:59	08/18/23 22:46	7440-23-5	
Calcium	32.2	mg/L	1.0	0.12	1	08/18/23 10:59	08/18/23 22:46	7440-70-2	
Magnesium	18.3	mg/L	0.050	0.012	1	08/18/23 10:59	08/18/23 22:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 17:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/16/23 14:27	08/22/23 17:27	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 17:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 17:27	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/16/23 14:27	08/22/23 17:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 17:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 17:27	7440-47-3	
Cobalt	0.00045J	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 17:27	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/16/23 14:27	08/22/23 17:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 17:27	7439-92-1	
Lithium	0.0020J	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 17:27	7439-93-2	
Molybdenum	0.019	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 17:27	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/16/23 14:27	08/22/23 17:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 17:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/16/23 14:27	08/22/23 17:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 17:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/16/23 14:27	08/22/23 17:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 16:01	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	159	mg/L	25.0	25.0	1		08/16/23 15:00		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	152	mg/L	5.0	5.0	1		08/17/23 16:25		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/17/23 16:25		
Alkalinity, Total as CaCO3	152	mg/L	5.0	5.0	1		08/17/23 16:25		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWC-29R Lab ID: 92682122022 Collected: 08/10/23 12:10 Received: 08/14/23 12:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		08/15/23 18:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 18:13	16984-48-8	
Sulfate	4.6	mg/L	1.0	0.50	1		08/15/23 18:13	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-35 Lab ID: 92682122023 Collected: 08/10/23 11:55 Received: 08/14/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/18/23 10:59	08/18/23 22:51	7439-89-6	
Manganese	0.024J	mg/L	0.040	0.011	1	08/18/23 10:59	08/18/23 22:51	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/18/23 10:59	08/18/23 22:51	7440-66-6	
Potassium	1.8	mg/L	0.50	0.15	1	08/18/23 10:59	08/18/23 22:51	7440-09-7	
Sodium	2.4	mg/L	1.0	0.58	1	08/18/23 10:59	08/18/23 22:51	7440-23-5	
Calcium	45.5	mg/L	1.0	0.12	1	08/18/23 10:59	08/18/23 22:51	7440-70-2	
Magnesium	29.9	mg/L	0.050	0.012	1	08/18/23 10:59	08/18/23 22:51	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 17:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/16/23 14:27	08/22/23 17:30	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 17:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 17:30	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	08/16/23 14:27	08/22/23 17:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 17:30	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 17:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 17:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/16/23 14:27	08/22/23 17:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 17:30	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 17:30	7439-93-2	
Molybdenum	0.0015J	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 17:30	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/16/23 14:27	08/22/23 17:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 17:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/16/23 14:27	08/22/23 17:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 17:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/16/23 14:27	08/22/23 17:30	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 16:04	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	237	mg/L	25.0	25.0	1		08/16/23 15:00		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	258	mg/L	5.0	5.0	1		08/17/23 19:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/17/23 19:48		
Alkalinity, Total as CaCO3	258	mg/L	5.0	5.0	1		08/17/23 19:48		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-GWA-35 Lab ID: 92682122023 Collected: 08/10/23 11:55 Received: 08/14/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.0	mg/L	1.0	0.60	1		08/15/23 18:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 18:28	16984-48-8	
Sulfate	5.4	mg/L	1.0	0.50	1		08/15/23 18:28	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-04 Lab ID: 92682122024 Collected: 08/10/23 12:45 Received: 08/14/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	08/18/23 10:59	08/18/23 22:55	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	08/18/23 10:59	08/18/23 22:55	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	08/18/23 10:59	08/18/23 22:55	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	08/18/23 10:59	08/18/23 22:55	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/18/23 10:59	08/18/23 22:55	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/18/23 10:59	08/18/23 22:55	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/18/23 10:59	08/18/23 22:55	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.0012	1	08/16/23 14:27	08/22/23 17:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0037	1	08/16/23 14:27	08/22/23 17:34	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/16/23 14:27	08/22/23 17:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/16/23 14:27	08/22/23 17:34	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/16/23 14:27	08/22/23 17:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/16/23 14:27	08/22/23 17:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/16/23 14:27	08/22/23 17:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/16/23 14:27	08/22/23 17:34	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/16/23 14:27	08/22/23 17:34	7440-50-8	
Lead	ND	mg/L	0.0010	0.00012	1	08/16/23 14:27	08/22/23 17:34	7439-92-1	
Lithium	ND	mg/L	0.030	0.00073	1	08/16/23 14:27	08/22/23 17:34	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00074	1	08/16/23 14:27	08/22/23 17:34	7439-98-7	
Nickel	ND	mg/L	0.0050	0.00071	1	08/16/23 14:27	08/22/23 17:34	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/16/23 14:27	08/22/23 17:34	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/16/23 14:27	08/22/23 17:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/16/23 14:27	08/22/23 17:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0025	1	08/16/23 14:27	08/22/23 17:34	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/21/23 11:10	08/21/23 16:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	77.0	mg/L	25.0	25.0	1		08/16/23 15:00		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/17/23 16:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		08/17/23 16:55		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		08/17/23 16:55		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Sample: BOW-LF5-8-FB-04 Lab ID: 92682122024 Collected: 08/10/23 12:45 Received: 08/14/23 12:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/15/23 18:43	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/15/23 18:43	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/15/23 18:43	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793572 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020

METHOD BLANK: 4112214 Matrix: Water
 Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/15/23 22:58	
Iron	mg/L	ND	0.040	0.025	08/18/23 11:20	
Magnesium	mg/L	ND	0.050	0.012	08/15/23 22:58	
Manganese	mg/L	ND	0.040	0.011	08/15/23 22:58	
Potassium	mg/L	ND	0.50	0.15	08/15/23 22:58	
Sodium	mg/L	ND	1.0	0.58	08/15/23 22:58	
Zinc	mg/L	ND	0.020	0.0085	08/15/23 22:58	

LABORATORY CONTROL SAMPLE: 4112215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	101	80-120	
Iron	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.1	106	80-120	
Manganese	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	1.1	105	80-120	
Sodium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.1	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112216 4112217

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682122001 Result	Spike Conc.	Spike Conc.	Conc.								
Calcium	mg/L	39.3	1	1	40.0	40.1	70	73	75-125	0	20	M1	
Iron	mg/L	ND	1	1	1.0	1.0	101	102	75-125	0	20		
Magnesium	mg/L	18.0	1	1	18.8	18.9	80	88	75-125	0	20		
Manganese	mg/L	ND	1	1	1.1	1.1	106	106	75-125	0	20		
Potassium	mg/L	1.2	1	1	2.2	2.2	103	103	75-125	0	20		
Sodium	mg/L	2.3	1	1	3.4	3.4	108	103	75-125	1	20		
Zinc	mg/L	ND	1	1	1.1	1.1	109	109	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch:	794188	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92682122022, 92682122023, 92682122024

METHOD BLANK: 4115153 Matrix: Water

Associated Lab Samples: 92682122022, 92682122023, 92682122024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/18/23 21:28	
Iron	mg/L	ND	0.040	0.025	08/18/23 21:28	
Magnesium	mg/L	ND	0.050	0.012	08/18/23 21:28	
Manganese	mg/L	ND	0.040	0.011	08/18/23 21:28	
Potassium	mg/L	ND	0.50	0.15	08/18/23 21:28	
Sodium	mg/L	ND	1.0	0.58	08/18/23 21:28	
Zinc	mg/L	ND	0.020	0.0085	08/23/23 19:22	

LABORATORY CONTROL SAMPLE: 4115154

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	101	80-120	
Iron	mg/L	1	0.98	98	80-120	
Magnesium	mg/L	1	0.98	98	80-120	
Manganese	mg/L	1	0.97	97	80-120	
Potassium	mg/L	1	1.1	113	80-120	
Sodium	mg/L	1	1.1	109	80-120	
Zinc	mg/L	1	1.1	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115155 4115156

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682552001 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	97.8	1	1	96.7	95.3	-103	-245	75-125	1	20 M1
Iron	mg/L	0.13	1	1	1.2	1.1	102	98	75-125	4	20
Magnesium	mg/L	9.4	1	1	10.2	10.1	81	69	75-125	1	20 M1
Manganese	mg/L	0.19	1	1	1.2	1.1	100	95	75-125	4	20
Potassium	mg/L	0.85	1	1	2.0	1.9	115	104	75-125	6	20
Sodium	mg/L	5.7	1	1	6.5	6.4	79	67	75-125	2	20 M1
Zinc	mg/L	ND	1	1	1.0	0.97	100	97	75-125	4	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793217

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92682122001

METHOD BLANK: 4110532

Matrix: Water

Associated Lab Samples: 92682122001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/17/23 17:51	
Arsenic	mg/L	ND	0.0050	0.0037	08/17/23 17:51	
Barium	mg/L	ND	0.0050	0.00067	08/17/23 17:51	
Beryllium	mg/L	ND	0.00050	0.000054	08/17/23 17:51	
Boron	mg/L	ND	0.040	0.0086	08/17/23 17:51	
Cadmium	mg/L	ND	0.00050	0.00011	08/17/23 17:51	
Chromium	mg/L	ND	0.0050	0.0011	08/17/23 17:51	
Cobalt	mg/L	ND	0.0050	0.00039	08/17/23 17:51	
Copper	mg/L	ND	0.0050	0.0010	08/17/23 17:51	
Lead	mg/L	ND	0.0010	0.00012	08/17/23 17:51	
Lithium	mg/L	ND	0.030	0.00073	08/17/23 17:51	
Molybdenum	mg/L	ND	0.010	0.00074	08/17/23 17:51	
Nickel	mg/L	ND	0.0050	0.00071	08/17/23 17:51	
Selenium	mg/L	ND	0.0050	0.0014	08/17/23 17:51	
Silver	mg/L	ND	0.0050	0.00044	08/17/23 17:51	
Thallium	mg/L	ND	0.0010	0.00018	08/17/23 17:51	
Vanadium	mg/L	ND	0.010	0.0025	08/17/23 17:51	

LABORATORY CONTROL SAMPLE: 4110533

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	108	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.11	109	80-120	
Cobalt	mg/L	0.1	0.11	111	80-120	
Copper	mg/L	0.1	0.11	111	80-120	
Lead	mg/L	0.1	0.10	102	80-120	
Lithium	mg/L	0.1	0.12	118	80-120	
Molybdenum	mg/L	0.1	0.11	106	80-120	
Nickel	mg/L	0.1	0.11	109	80-120	
Selenium	mg/L	0.1	0.11	105	80-120	
Silver	mg/L	0.1	0.11	105	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.11	110	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4110534 4110535												
Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		92680804006 Result	Spike Conc.	Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	109	111	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Barium	mg/L	0.033	0.1	0.1	0.13	0.14	97	106	75-125	7	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Boron	mg/L	0.018J	1	1	1.0	1.0	100	102	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	103	108	75-125	4	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.11	103	108	75-125	5	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.11	102	105	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.098	0.10	98	102	75-125	4	20	
Lithium	mg/L	0.00083J	0.1	0.1	0.11	0.11	106	106	75-125	0	20	
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.11	105	109	75-125	4	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.11	101	105	75-125	4	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.11	103	106	75-125	3	20	
Silver	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	4	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	105	109	75-125	3	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793440 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020

METHOD BLANK: 4111515 Matrix: Water
 Associated Lab Samples: 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.0012	08/18/23 16:06	
Arsenic	mg/L	ND	0.0050	0.0037	08/18/23 16:06	
Barium	mg/L	ND	0.0050	0.00067	08/18/23 16:06	
Beryllium	mg/L	ND	0.00050	0.000054	08/18/23 16:06	
Boron	mg/L	ND	0.040	0.0086	08/18/23 16:06	
Cadmium	mg/L	ND	0.00050	0.00011	08/18/23 16:06	
Chromium	mg/L	ND	0.0050	0.0011	08/18/23 16:06	
Cobalt	mg/L	ND	0.0050	0.00039	08/18/23 16:06	
Copper	mg/L	ND	0.0050	0.0010	08/18/23 16:06	
Lead	mg/L	ND	0.0010	0.00012	08/18/23 16:06	
Lithium	mg/L	ND	0.030	0.00073	08/18/23 16:06	
Molybdenum	mg/L	ND	0.010	0.00074	08/18/23 16:06	
Nickel	mg/L	ND	0.0050	0.00071	08/18/23 16:06	
Selenium	mg/L	ND	0.0050	0.0014	08/18/23 16:06	
Silver	mg/L	ND	0.0050	0.00044	08/18/23 16:06	
Thallium	mg/L	ND	0.0010	0.00018	08/18/23 16:06	
Vanadium	mg/L	ND	0.010	0.0025	08/18/23 16:06	

LABORATORY CONTROL SAMPLE: 4111516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.10	103	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.11	106	80-120	
Boron	mg/L	1	1.1	109	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.11	105	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Lithium	mg/L	0.1	0.11	108	80-120	
Molybdenum	mg/L	0.1	0.10	105	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	104	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

LABORATORY CONTROL SAMPLE: 4111516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	103	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4111517 4111518

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682122002 Result	Spike Conc.	Spike Conc.	Conc.								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	109	108	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20		
Barium	mg/L	0.016	0.1	0.1	0.12	0.12	104	102	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Boron	mg/L	0.012J	1	1	1.0	1.0	100	102	75-125	2	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20		
Cobalt	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	0	20		
Copper	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Lead	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	0	20		
Lithium	mg/L	ND	0.1	0.1	0.10	0.11	102	106	75-125	4	20		
Molybdenum	mg/L	0.0018J	0.1	0.1	0.11	0.11	105	105	75-125	0	20		
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	101	104	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch:	794002	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92682122022, 92682122023, 92682122024

METHOD BLANK: 4114214 Matrix: Water

Associated Lab Samples: 92682122022, 92682122023, 92682122024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.0043	0.0030	0.0012	08/22/23 15:04	
Arsenic	mg/L	ND	0.0050	0.0037	08/22/23 15:04	
Barium	mg/L	ND	0.0050	0.00067	08/22/23 15:04	
Beryllium	mg/L	ND	0.00050	0.000054	08/22/23 15:04	
Boron	mg/L	ND	0.040	0.0086	08/22/23 15:04	
Cadmium	mg/L	ND	0.00050	0.00011	08/22/23 15:04	
Chromium	mg/L	ND	0.0050	0.0011	08/22/23 15:04	
Cobalt	mg/L	ND	0.0050	0.00039	08/22/23 15:04	
Copper	mg/L	ND	0.0050	0.0010	08/22/23 15:04	
Lead	mg/L	ND	0.0010	0.00012	08/22/23 15:04	
Lithium	mg/L	ND	0.030	0.00073	08/22/23 15:04	
Molybdenum	mg/L	ND	0.010	0.00074	08/22/23 15:04	
Nickel	mg/L	ND	0.0050	0.00071	08/22/23 15:04	
Selenium	mg/L	ND	0.0050	0.0014	08/22/23 15:04	
Silver	mg/L	ND	0.0050	0.00044	08/22/23 15:04	
Thallium	mg/L	ND	0.0010	0.00018	08/22/23 15:04	
Vanadium	mg/L	ND	0.010	0.0025	08/22/23 15:04	

LABORATORY CONTROL SAMPLE: 4114215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	110	80-120	
Boron	mg/L	1	1.1	110	80-120	
Cadmium	mg/L	0.1	0.10	102	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	105	80-120	
Lithium	mg/L	0.1	0.11	110	80-120	
Molybdenum	mg/L	0.1	0.11	107	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.11	105	80-120	
Silver	mg/L	0.1	0.11	105	80-120	
Thallium	mg/L	0.1	0.11	105	80-120	
Vanadium	mg/L	0.1	0.11	105	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Parameter	Units	4114216		4114217		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682396010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Antimony	mg/L	0.0014J	0.1	0.1	0.11	0.10	107	101	75-125	6	20
Arsenic	mg/L	0.0040J	0.1	0.1	0.12	0.11	112	104	75-125	7	20
Barium	mg/L	0.042	0.1	0.1	0.16	0.15	118	108	75-125	6	20
Beryllium	mg/L	0.00071	0.1	0.1	0.090	0.085	89	84	75-125	6	20
Boron	mg/L	10.1	1	1	10.9	10.7	77	57	75-125	2	20 M1
Cadmium	mg/L	0.00059	0.1	0.1	0.099	0.094	98	94	75-125	5	20
Chromium	mg/L	ND	0.1	0.1	0.10	0.097	104	97	75-125	7	20
Cobalt	mg/L	0.21	0.1	0.1	0.31	0.29	102	83	75-125	6	20
Copper	mg/L	ND	0.1	0.1	0.095	0.090	95	89	75-125	6	20
Lead	mg/L	0.00013J	0.1	0.1	0.067	0.064	67	64	75-125	5	20 M1
Lithium	mg/L	0.0024J	0.1	0.1	0.097	0.092	95	89	75-125	6	20
Molybdenum	mg/L	ND	0.1	0.1	0.11	0.10	109	104	75-125	5	20
Nickel	mg/L	0.019	0.1	0.1	0.12	0.11	98	92	75-125	5	20
Selenium	mg/L	0.013	0.1	0.1	0.13	0.13	122	113	75-125	8	20
Silver	mg/L	ND	0.1	0.1	0.096	0.092	96	92	75-125	4	20
Thallium	mg/L	0.00021J	0.1	0.1	0.069	0.066	68	65	75-125	5	20 M1
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	107	101	75-125	6	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 794228 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013

METHOD BLANK: 4115390 Matrix: Water
 Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/17/23 17:06	

LABORATORY CONTROL SAMPLE: 4115391

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115392 4115393

Parameter	Units	92682396014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0026	0.0024	100	96	75-125	4	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch:	794869	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020, 92682122022, 92682122023, 92682122024		

METHOD BLANK:	4118579	Matrix:	Water
Associated Lab Samples:	92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020, 92682122022, 92682122023, 92682122024		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/21/23 15:01	

LABORATORY CONTROL SAMPLE: 4118580						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4118581												4118582	
Parameter	Units	92682122016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Mercury	mg/L	ND	0.0025	0.0025	0.0025	0.0025	97	97	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793055 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014

METHOD BLANK: 4109645 Matrix: Water
 Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/11/23 13:55	

LABORATORY CONTROL SAMPLE: 4109646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	430	108	80-120	

SAMPLE DUPLICATE: 4109647

Parameter	Units	92682122001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	184	194	5	10	

SAMPLE DUPLICATE: 4109648

Parameter	Units	92681884001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	214	264	21	10 D6	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793414 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020

METHOD BLANK: 4111318 Matrix: Water
 Associated Lab Samples: 92682122015, 92682122016, 92682122017, 92682122018, 92682122019, 92682122020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/14/23 13:14	

LABORATORY CONTROL SAMPLE: 4111319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	436	109	80-120	

SAMPLE DUPLICATE: 4111320

Parameter	Units	92681885002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	189	193	2	10	

SAMPLE DUPLICATE: 4111321

Parameter	Units	92682120003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	61.0	62.0	2	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch:	793918	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92682122022, 92682122023, 92682122024		

METHOD BLANK: 4113746 Matrix: Water

Associated Lab Samples: 92682122022, 92682122023, 92682122024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	08/16/23 14:47	

LABORATORY CONTROL SAMPLE: 4113747

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	379	95	80-120	

SAMPLE DUPLICATE: 4113748

Parameter	Units	92682392001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	80.0	75.0	6	10	

SAMPLE DUPLICATE: 4113749

Parameter	Units	92682398005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	626	638	2	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793557

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004

METHOD BLANK: 4112158

Matrix: Water

Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/15/23 15:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/15/23 15:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/15/23 15:20	

LABORATORY CONTROL SAMPLE: 4112159

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.2	104	80-120	

LABORATORY CONTROL SAMPLE: 4112160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.6	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112161 4112162

Parameter	Units	4112161		4112162		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682122003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	154	50	50	212	220	116	131	80-120	3	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112163 4112164

Parameter	Units	4112163		4112164		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682122004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	156	50	50	220	223	129	133	80-120	1	25 M1

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793564 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92682122005, 92682122006, 92682122007, 92682122008, 92682122009

METHOD BLANK: 4112177 Matrix: Water
 Associated Lab Samples: 92682122005, 92682122006, 92682122007, 92682122008, 92682122009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/15/23 19:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/15/23 19:14	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/15/23 19:14	

LABORATORY CONTROL SAMPLE: 4112178

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.7	105	80-120	

LABORATORY CONTROL SAMPLE: 4112179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.3	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112180 4112181

Parameter	Units	92681885003		4112180		4112181		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Alkalinity, Total as CaCO3	mg/L	212	50	50	267	273	109	122	80-120	2	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112182 4112183

Parameter	Units	92681885004		4112182		4112183		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Alkalinity, Total as CaCO3	mg/L	251	50	50	308	301	114	100	80-120	2	25

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793596 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92682122010, 92682122011, 92682122012, 92682122013, 92682122014

METHOD BLANK: 4112305 Matrix: Water
 Associated Lab Samples: 92682122010, 92682122011, 92682122012, 92682122013, 92682122014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/15/23 11:24	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/15/23 11:24	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/15/23 11:24	

LABORATORY CONTROL SAMPLE: 4112306

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	53.7	107	80-120	

LABORATORY CONTROL SAMPLE: 4112307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.7	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112308 4112309

Parameter	Units	4112308		4112309		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92681908004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	99.9	50	50	159	163	118	126	80-120	2	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112310 4112311

Parameter	Units	4112310		4112311		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92681908005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	5.3	50	50	58.0	58.8	105	107	80-120	1	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793717 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92682122015, 92682122016, 92682122017, 92682122019, 92682122020

METHOD BLANK: 4112919 Matrix: Water
 Associated Lab Samples: 92682122015, 92682122016, 92682122017, 92682122019, 92682122020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/16/23 12:53	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 12:53	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/16/23 12:53	

LABORATORY CONTROL SAMPLE: 4112920

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112922 4112923

Parameter	Units	92682396004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	52.3	52.9	98	99	80-120	1	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112924 4112925

Parameter	Units	92682396005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	ND	50	50	45.8	45.7	89	89	80-120	0	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 794234 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92682122022, 92682122023, 92682122024

METHOD BLANK: 4115455 Matrix: Water

Associated Lab Samples: 92682122022, 92682122023, 92682122024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/17/23 15:14	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/17/23 15:14	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/17/23 15:14	

LABORATORY CONTROL SAMPLE: 4115456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.9	106	80-120	

LABORATORY CONTROL SAMPLE: 4115457

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	52.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115458 4115459

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Alkalinity, Total as CaCO3	mg/L	92682576004 162	50	50	221	225	117	125	80-120	2	25 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115460 4115461

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Alkalinity, Total as CaCO3	mg/L	92682576005 79.7	50	50	135	134	110	108	80-120	1	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 794235

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92682122018

METHOD BLANK: 4115463

Matrix: Water

Associated Lab Samples: 92682122018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	08/17/23 20:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	08/17/23 20:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	08/17/23 20:06	

LABORATORY CONTROL SAMPLE: 4115464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.8	104	80-120	

LABORATORY CONTROL SAMPLE: 4115465

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115466 4115467

Parameter	Units	92681886006 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Alkalinity, Total as CaCO3	mg/L	246	50	50	291	299	90	106	80-120	3	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4115468 4115469

Parameter	Units	92681886007 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Alkalinity, Total as CaCO3	mg/L	210	50	50	271	274	122	128	80-120	1	25 M1	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch:	792932	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019

METHOD BLANK: 4109159 Matrix: Water

Associated Lab Samples: 92682122001, 92682122002, 92682122003, 92682122004, 92682122005, 92682122006, 92682122007, 92682122008, 92682122009, 92682122010, 92682122011, 92682122012, 92682122013, 92682122014, 92682122015, 92682122016, 92682122017, 92682122018, 92682122019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/11/23 12:37	
Fluoride	mg/L	ND	0.10	0.050	08/11/23 12:37	
Sulfate	mg/L	ND	1.0	0.50	08/11/23 12:37	

LABORATORY CONTROL SAMPLE: 4109160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	
Fluoride	mg/L	2.5	2.3	91	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4109161 4109162

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92681908009 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	ND	50	50	47.3	47.8	95	96	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	91	91	90-110	0	10
Sulfate	mg/L	ND	50	50	46.6	47.0	93	94	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4109163 4109164

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682122010 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	4.6	50	50	51.5	52.5	94	96	90-110	2	10
Fluoride	mg/L	0.088J	2.5	2.5	2.2	2.2	85	86	90-110	2	10 M1
Sulfate	mg/L	17.6	50	50	64.3	65.1	93	95	90-110	1	10

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch:	793207	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92682122020

METHOD BLANK: 4110503 Matrix: Water

Associated Lab Samples: 92682122020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/12/23 16:56	
Fluoride	mg/L	ND	0.10	0.050	08/12/23 16:56	
Sulfate	mg/L	ND	1.0	0.50	08/12/23 16:56	

LABORATORY CONTROL SAMPLE: 4110504

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4110505 4110506

Parameter	Units	92681883001		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual	
Chloride	mg/L	3.6	50	50	51.2	52.5	95	98	90-110	3	10		
Fluoride	mg/L	0.19	2.5	2.5	2.4	2.5	90	92	90-110	2	10		
Sulfate	mg/L	2.2	50	50	49.7	51.1	95	98	90-110	3	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4110507 4110508

Parameter	Units	92681885005		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec	Limits	RPD	RPD	Qual	
Chloride	mg/L	27.0	50	50	71.4	72.9	89	92	90-110	2	10	M1	
Fluoride	mg/L	1.3	2.5	2.5	3.3	3.4	83	86	90-110	2	10	M1	
Sulfate	mg/L	1.3	50	50	47.3	48.3	92	94	90-110	2	10		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

QC Batch: 793554 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92682122022, 92682122023, 92682122024

METHOD BLANK: 4112141 Matrix: Water
 Associated Lab Samples: 92682122022, 92682122023, 92682122024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/15/23 12:18	
Fluoride	mg/L	ND	0.10	0.050	08/15/23 12:18	
Sulfate	mg/L	ND	1.0	0.50	08/15/23 12:18	

LABORATORY CONTROL SAMPLE: 4112142

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.6	97	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112143 4112144

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682572002	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	157	50	50	193	200	71	86	90-110	4	10	M1	
Fluoride	mg/L	0.062J	2.5	2.5	2.3	2.3	90	90	90-110	0	10		
Sulfate	mg/L	948	50	50	947	983	-1	70	90-110	4	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4112145 4112146

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92682576008	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	3.8	50	50	53.6	51.7	100	96	90-110	4	10		
Fluoride	mg/L	0.070J	2.5	2.5	2.4	2.3	94	90	90-110	4	10		
Sulfate	mg/L	64.9	50	50	104	106	78	82	90-110	2	10	M1	

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QUALIFIERS

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682122001	BOW-GWC-26	EPA 3010A	793572	EPA 6010D	793695
92682122002	BOW-GWC-27	EPA 3010A	793572	EPA 6010D	793695
92682122003	BOW-GWC-27R	EPA 3010A	793572	EPA 6010D	793695
92682122004	BOW-GWC-29	EPA 3010A	793572	EPA 6010D	793695
92682122005	BOW-GWA-34	EPA 3010A	793572	EPA 6010D	793695
92682122006	BOW-GWA-34R	EPA 3010A	793572	EPA 6010D	793695
92682122007	BOW-LF5-8-FD-01	EPA 3010A	793572	EPA 6010D	793695
92682122008	BOW-LF5-8-FB-01	EPA 3010A	793572	EPA 6010D	793695
92682122009	BOW-LF5-8-EB-01	EPA 3010A	793572	EPA 6010D	793695
92682122010	BOW-GWC-28	EPA 3010A	793572	EPA 6010D	793695
92682122011	BOW-GWA-33R	EPA 3010A	793572	EPA 6010D	793695
92682122012	BOW-GWA-57	EPA 3010A	793572	EPA 6010D	793695
92682122013	BOW-LF5-8-FB-02	EPA 3010A	793572	EPA 6010D	793695
92682122014	BOW-LF5-8-EB-02	EPA 3010A	793572	EPA 6010D	793695
92682122015	BOW-GWC-30	EPA 3010A	793572	EPA 6010D	793695
92682122016	BOW-GWC-31	EPA 3010A	793572	EPA 6010D	793695
92682122017	BOW-GWC-31R	EPA 3010A	793572	EPA 6010D	793695
92682122018	BOW-GWC-32	EPA 3010A	793572	EPA 6010D	793695
92682122019	BOW-LF5-8-FD-02	EPA 3010A	793572	EPA 6010D	793695
92682122020	BOW-LF5-8-FB-03	EPA 3010A	793572	EPA 6010D	793695
92682122022	BOW-GWC-29R	EPA 3010A	794188	EPA 6010D	794575
92682122023	BOW-GWA-35	EPA 3010A	794188	EPA 6010D	794575
92682122024	BOW-LF5-8-FB-04	EPA 3010A	794188	EPA 6010D	794575
92682122001	BOW-GWC-26	EPA 3005A	793217	EPA 6020B	793278
92682122002	BOW-GWC-27	EPA 3005A	793440	EPA 6020B	793488
92682122003	BOW-GWC-27R	EPA 3005A	793440	EPA 6020B	793488
92682122004	BOW-GWC-29	EPA 3005A	793440	EPA 6020B	793488
92682122005	BOW-GWA-34	EPA 3005A	793440	EPA 6020B	793488
92682122006	BOW-GWA-34R	EPA 3005A	793440	EPA 6020B	793488
92682122007	BOW-LF5-8-FD-01	EPA 3005A	793440	EPA 6020B	793488
92682122008	BOW-LF5-8-FB-01	EPA 3005A	793440	EPA 6020B	793488
92682122009	BOW-LF5-8-EB-01	EPA 3005A	793440	EPA 6020B	793488
92682122010	BOW-GWC-28	EPA 3005A	793440	EPA 6020B	793488
92682122011	BOW-GWA-33R	EPA 3005A	793440	EPA 6020B	793488
92682122012	BOW-GWA-57	EPA 3005A	793440	EPA 6020B	793488
92682122013	BOW-LF5-8-FB-02	EPA 3005A	793440	EPA 6020B	793488
92682122014	BOW-LF5-8-EB-02	EPA 3005A	793440	EPA 6020B	793488
92682122015	BOW-GWC-30	EPA 3005A	793440	EPA 6020B	793488
92682122016	BOW-GWC-31	EPA 3005A	793440	EPA 6020B	793488
92682122017	BOW-GWC-31R	EPA 3005A	793440	EPA 6020B	793488
92682122018	BOW-GWC-32	EPA 3005A	793440	EPA 6020B	793488
92682122019	BOW-LF5-8-FD-02	EPA 3005A	793440	EPA 6020B	793488
92682122020	BOW-LF5-8-FB-03	EPA 3005A	793440	EPA 6020B	793488
92682122022	BOW-GWC-29R	EPA 3005A	794002	EPA 6020B	794064
92682122023	BOW-GWA-35	EPA 3005A	794002	EPA 6020B	794064
92682122024	BOW-LF5-8-FB-04	EPA 3005A	794002	EPA 6020B	794064

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682122001	BOW-GWC-26	EPA 7470A	794228	EPA 7470A	794260
92682122002	BOW-GWC-27	EPA 7470A	794228	EPA 7470A	794260
92682122003	BOW-GWC-27R	EPA 7470A	794228	EPA 7470A	794260
92682122004	BOW-GWC-29	EPA 7470A	794228	EPA 7470A	794260
92682122005	BOW-GWA-34	EPA 7470A	794228	EPA 7470A	794260
92682122006	BOW-GWA-34R	EPA 7470A	794228	EPA 7470A	794260
92682122007	BOW-LF5-8-FD-01	EPA 7470A	794228	EPA 7470A	794260
92682122008	BOW-LF5-8-FB-01	EPA 7470A	794228	EPA 7470A	794260
92682122009	BOW-LF5-8-EB-01	EPA 7470A	794228	EPA 7470A	794260
92682122010	BOW-GWC-28	EPA 7470A	794228	EPA 7470A	794260
92682122011	BOW-GWA-33R	EPA 7470A	794228	EPA 7470A	794260
92682122012	BOW-GWA-57	EPA 7470A	794228	EPA 7470A	794260
92682122013	BOW-LF5-8-FB-02	EPA 7470A	794228	EPA 7470A	794260
92682122014	BOW-LF5-8-EB-02	EPA 7470A	794869	EPA 7470A	794934
92682122015	BOW-GWC-30	EPA 7470A	794869	EPA 7470A	794934
92682122016	BOW-GWC-31	EPA 7470A	794869	EPA 7470A	794934
92682122017	BOW-GWC-31R	EPA 7470A	794869	EPA 7470A	794934
92682122018	BOW-GWC-32	EPA 7470A	794869	EPA 7470A	794934
92682122019	BOW-LF5-8-FD-02	EPA 7470A	794869	EPA 7470A	794934
92682122020	BOW-LF5-8-FB-03	EPA 7470A	794869	EPA 7470A	794934
92682122022	BOW-GWC-29R	EPA 7470A	794869	EPA 7470A	794934
92682122023	BOW-GWA-35	EPA 7470A	794869	EPA 7470A	794934
92682122024	BOW-LF5-8-FB-04	EPA 7470A	794869	EPA 7470A	794934
92682122001	BOW-GWC-26	SM 2540C-2015	793055		
92682122002	BOW-GWC-27	SM 2540C-2015	793055		
92682122003	BOW-GWC-27R	SM 2540C-2015	793055		
92682122004	BOW-GWC-29	SM 2540C-2015	793055		
92682122005	BOW-GWA-34	SM 2540C-2015	793055		
92682122006	BOW-GWA-34R	SM 2540C-2015	793055		
92682122007	BOW-LF5-8-FD-01	SM 2540C-2015	793055		
92682122008	BOW-LF5-8-FB-01	SM 2540C-2015	793055		
92682122009	BOW-LF5-8-EB-01	SM 2540C-2015	793055		
92682122010	BOW-GWC-28	SM 2540C-2015	793055		
92682122011	BOW-GWA-33R	SM 2540C-2015	793055		
92682122012	BOW-GWA-57	SM 2540C-2015	793055		
92682122013	BOW-LF5-8-FB-02	SM 2540C-2015	793055		
92682122014	BOW-LF5-8-EB-02	SM 2540C-2015	793055		
92682122015	BOW-GWC-30	SM 2540C-2015	793414		
92682122016	BOW-GWC-31	SM 2540C-2015	793414		
92682122017	BOW-GWC-31R	SM 2540C-2015	793414		
92682122018	BOW-GWC-32	SM 2540C-2015	793414		
92682122019	BOW-LF5-8-FD-02	SM 2540C-2015	793414		
92682122020	BOW-LF5-8-FB-03	SM 2540C-2015	793414		
92682122022	BOW-GWC-29R	SM 2540C-2015	793918		
92682122023	BOW-GWA-35	SM 2540C-2015	793918		
92682122024	BOW-LF5-8-FB-04	SM 2540C-2015	793918		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 Background

Pace Project No.: 92682122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682122001	BOW-GWC-26	SM 2320B-2011	793557		
92682122002	BOW-GWC-27	SM 2320B-2011	793557		
92682122003	BOW-GWC-27R	SM 2320B-2011	793557		
92682122004	BOW-GWC-29	SM 2320B-2011	793557		
92682122005	BOW-GWA-34	SM 2320B-2011	793564		
92682122006	BOW-GWA-34R	SM 2320B-2011	793564		
92682122007	BOW-LF5-8-FD-01	SM 2320B-2011	793564		
92682122008	BOW-LF5-8-FB-01	SM 2320B-2011	793564		
92682122009	BOW-LF5-8-EB-01	SM 2320B-2011	793564		
92682122010	BOW-GWC-28	SM 2320B-2011	793596		
92682122011	BOW-GWA-33R	SM 2320B-2011	793596		
92682122012	BOW-GWA-57	SM 2320B-2011	793596		
92682122013	BOW-LF5-8-FB-02	SM 2320B-2011	793596		
92682122014	BOW-LF5-8-EB-02	SM 2320B-2011	793596		
92682122015	BOW-GWC-30	SM 2320B-2011	793717		
92682122016	BOW-GWC-31	SM 2320B-2011	793717		
92682122017	BOW-GWC-31R	SM 2320B-2011	793717		
92682122018	BOW-GWC-32	SM 2320B-2011	794235		
92682122019	BOW-LF5-8-FD-02	SM 2320B-2011	793717		
92682122020	BOW-LF5-8-FB-03	SM 2320B-2011	793717		
92682122022	BOW-GWC-29R	SM 2320B-2011	794234		
92682122023	BOW-GWA-35	SM 2320B-2011	794234		
92682122024	BOW-LF5-8-FB-04	SM 2320B-2011	794234		
92682122001	BOW-GWC-26	EPA 300.0 Rev 2.1 1993	792932		
92682122002	BOW-GWC-27	EPA 300.0 Rev 2.1 1993	792932		
92682122003	BOW-GWC-27R	EPA 300.0 Rev 2.1 1993	792932		
92682122004	BOW-GWC-29	EPA 300.0 Rev 2.1 1993	792932		
92682122005	BOW-GWA-34	EPA 300.0 Rev 2.1 1993	792932		
92682122006	BOW-GWA-34R	EPA 300.0 Rev 2.1 1993	792932		
92682122007	BOW-LF5-8-FD-01	EPA 300.0 Rev 2.1 1993	792932		
92682122008	BOW-LF5-8-FB-01	EPA 300.0 Rev 2.1 1993	792932		
92682122009	BOW-LF5-8-EB-01	EPA 300.0 Rev 2.1 1993	792932		
92682122010	BOW-GWC-28	EPA 300.0 Rev 2.1 1993	792932		
92682122011	BOW-GWA-33R	EPA 300.0 Rev 2.1 1993	792932		
92682122012	BOW-GWA-57	EPA 300.0 Rev 2.1 1993	792932		
92682122013	BOW-LF5-8-FB-02	EPA 300.0 Rev 2.1 1993	792932		
92682122014	BOW-LF5-8-EB-02	EPA 300.0 Rev 2.1 1993	792932		
92682122015	BOW-GWC-30	EPA 300.0 Rev 2.1 1993	792932		
92682122016	BOW-GWC-31	EPA 300.0 Rev 2.1 1993	792932		
92682122017	BOW-GWC-31R	EPA 300.0 Rev 2.1 1993	792932		
92682122018	BOW-GWC-32	EPA 300.0 Rev 2.1 1993	792932		
92682122019	BOW-LF5-8-FD-02	EPA 300.0 Rev 2.1 1993	792932		
92682122020	BOW-LF5-8-FB-03	EPA 300.0 Rev 2.1 1993	793207		
92682122022	BOW-GWC-29R	EPA 300.0 Rev 2.1 1993	793554		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 Background
Pace Project No.: 92682122

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92682122023	BOW-GWA-35	EPA 300.0 Rev 2.1 1993	793554		
92682122024	BOW-LF5-8-FB-04	EPA 300.0 Rev 2.1 1993	793554		

REPORT OF LABORATORY ANALYSIS

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DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Meridianville Marietta Marietta

Sample Coordinator
Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92682122



Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seal Intact? Yes No

Date/Initials Person Examining Contents:

*8/10/23
CWH*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

TR Gun ID:

330

Type of Ice:

Dry

Wet

None

Cooler Temp:

4.3

Correction Factor:

Add/Subtract (°C)

0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

4.3

USDA Regulated Soil? N/A, water sample?

Did samples originate in a quarantine zone within the United States: CA, NV, or SC (check maps)? Yes No

Did samples originate from a foreign source (international, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<22 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis; Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	<i>W</i>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Tri-Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Tri-Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of soil containers

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURF Review:

Date:

Project Manager SRF Review:

Date:



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/RO15, (water) DOC, CHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chloring

Project: **WO# : 92682122**

PN: BY

Due Date: 08/24/23

CLIENT: 82-GP-SOHLF

Item #	BP40-125 mL Plastic Unpreserved (N/A) (C-1)	BP50-150 mL Plastic Unpreserved (N/A)	BP20-500 mL Plastic Unpreserved (N/A)	BP10-1 liter Plastic Unpreserved (N/A)	BP60-125 mL Plastic (N/A) (pH < 1) (C-1)	BP30-250 mL Plastic (N/A) (pH < 2)	BP40-125 mL Plastic 2M Acetate & NaOH (N/A)	BP40-125 mL Plastic NaOH (pH < 12) (C-1)	WGBU-Wide-mouthed Glass Jar Unpreserved	AG10-1 liter Amber Unpreserved (N/A) (C-1)	AG10-1 liter Amber HCl (pH < 2)	AG30-350 mL Amber Unpreserved (N/A) (C-1)	AG15-1 liter Amber H2SO4 (pH < 2)	AG30-250 mL Amber H2SO4 (pH < 2)	GG90-90 mL Amber N (N/A) (N/A) (N/A)	GG90-90 mL VOA HCl (N/A)	VG90-90 mL VOA H2SO4 (N/A)	VG90-90 mL VOA Unpreserved (N/A)	GG90-90 mL VOA H2SO4 (N/A)	RP70-50 mL Plastic Unpreserved (N/A)	V/GK (2 vials per kit) VPH/Ges kit (N/A)	SPH-125 mL Sterile Plastic (N/A) (Lab)	SP21-250 mL Sterile Plastic (N/A) (Lab)	BB30-250 mL Plastic (NH2) (SCM) (3-0.7)	AG80-100 mL Amber Unpreserved (N/A) (C-1)	VGBU-20 mL Sterile Glass (N/A)	GGBU-80 mL Amber Unpreserved vials (N/A)	
1	2	1			2																							
2	2	1			2																							
3	2	1			2																							
4	2	1			2																							
5	2	1			2																							
6	2	1			2																							
7	2	1			2																							
8	2	1			2																							
9	2	1			2																							
10	2	1			2																							
11	2	1			2																							
12	2	1			2																							

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEMO Certification Office (i.e. Out of stock, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exception: VOA, Coliform, TOC, Oil and Grease, DHO/B015 (water) DOC, etc.

**Bottom half of box is to list number of bottles

***Check Unpreserved Nitrates for chlorine

Project #

WO#: 92682122

PM: BV

Due Date: 05/24/23

CLIENT: BZ-GP-BQHLF

Name	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C-1)		2										
BP2U-250 mL Plastic Unpreserved (N/A)		2										
BP2U-500 mL Plastic Unpreserved (N/A)		1										
BP3U-1 Liter Plastic Unpreserved (N/A)												
BP4U-125 mL Plastic H2SO4 (pH < 2) (C-1)												
BP2U-250 mL Plastic HNO3 (pH < 2)												
BP4Z-125 mL Plastic (in Acetone & NaOH) (S-8)												
BP4B-225 mL Plastic NaOH (pH < 12) (C-1)												
WSPU-Wide-mouthed Glass for Unpreserved												
AG3U-1 liter Amber Unpreserved (N/A) (C-1)												
AG3U-1 liter Amber HCl (pH < 2)												
AG3U-750 mL Amber Unpreserved (N/A) (C-1)												
AG3U-1 liter Amber H2SO4 (pH < 2)												
AG3U-250 mL Amber H2SO4 (pH < 2)												
AG3U-400 mL Amber HNO3 (N/A) (C-1)												
AG3U-400 mL VOA (N/A)												
AG3U-400 mL VOA H2SO4 (N/A)												
AG3U-400 mL VOA Unpreserved (N/A)												
AG3U-400 mL VOA H3PO4 (N/A)												
AG3U-50 mL Plastic Unpreserved (N/A)												
V70K (3 vials per kit) - 70 mL (C-1) (N/A)												
3731-125 mL Sterile Plastic (N/A) - 125L												
392T-250 mL Sterile Plastic (N/A) - 125L												
BP2U-250 mL Plastic (H-1) H2SO4 (pH < 2)												
AG3U-100 mL Amber Unpreserved (N/A) (C-1)												
YSOU-20 mL Oxidation Ash (N/A)												
AG3U-400 mL Amber Unpreserved vials (N/A)												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEQR Certification Office i.e. Out of field, incorrect preservative, out of temp, incorrect containers.

Page

Section A Supplement a sample use the chain of custody document acknowledgment and acceptance of the Form Terms and Conditions found at www.dhs.gov

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEAD DOCUMENT. All relevant facts must be completed accurately.

Page: 2 of 2

Requester Contact Information Requester: Georgia Power Address: 20 Hudson Blvd, Marietta, GA 30067 Phone: (478) 217-0000 Requested Date: 8/20/10	Requester Project Information Project No: 1800 Requester Name: Georgia Power Requester Address: 20 Hudson Blvd, Marietta, GA 30067 Requester Phone: (478) 217-0000 Requester Email: georgia.power@epa.com	Sample Information Sample ID: 1800 Sample Name: 20 Hudson Blvd, Marietta, GA 30067 Sample Location: 20 Hudson Blvd, Marietta, GA 30067 Sample Date: 8/20/10
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#	SAMPLE ID	DATE	TIME	ANALYSIS TEST	ANALYSIS TEST		RECEIVED ON	BY	RECEIVED ON	BY
					Y/N	Y/N				
13	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
14	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
15	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
16	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
17	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
18	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
19	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
20	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
21	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
22	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
23	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		
24	NON-SAMPLE	8/20/10	15:00	GC/MS	X	X	8/20/10	003		

Requester Name and Signature Requester Name: Georgia Power Requester Signature: [Signature] Requester Title: [Title]	Requester Address Requester Address: 20 Hudson Blvd, Marietta, GA 30067 Requester Phone: (478) 217-0000 Requester Email: georgia.power@epa.com
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Page

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of Pre-Form and Conditions found at <http://www.pasadena.com/submit.asp>

CHAIN-OF-CUSTODY / Analytical Request Document

Project Name: William Lumber Date: 8/10/23 Page: 01 of 2

Requester Contact Information: William Lumber
 Requester Name: William Lumber
 Requester Address: 1010 S. Main St. Pasadena, CA 91105
 Requester Phone: (626) 799-1234
 Requester Email: william@lumber.com

Requester Project Information: William Lumber
 Project No.: 1010
 Project Location: 1010 S. Main St. Pasadena, CA 91105
 Project Start Date: 8/10/23
 Project End Date: 8/10/23

Requester Signature: [Signature]
 Date: 8/10/23

ITEM #	MATERIAL DESCRIPTION	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATION							ANALYSE TEST	REMARKS	
						UNPRESERVED	10004	10003	10002	10001	10000	99999			99998
1	WOOD-GRADE 2X4	8/9/23	0952	73	4	X	X	X	X	X	X	X	X	X	
2	WOOD-GRADE 2X4	8/9/23	1240	73	4	X	X	X	X	X	X	X	X	X	
3	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
4	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
5	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
6	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
7	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
8	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
9	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
10	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
11	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	
12	WOOD-GRADE 2X4	8/9/23	1545	73	4	X	X	X	X	X	X	X	X	X	

Requester Signature: [Signature]
 Date: 8/9/23

Requester Name: William Lumber
 Date: 8/10/23

Requester Address: 1010 S. Main St. Pasadena, CA 91105
 Date: 8/10/23

Requester Phone: (626) 799-1234
 Date: 8/10/23

Requester Email: william@lumber.com
 Date: 8/10/23



DC# Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition: From Receipt

Client Name: G-A Power

Project #: [Redacted]

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initial Person Examining Contents: 5-17-2024

Packing Material: Bubble Wrap Double Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer:

IR Gun ID: 083

Type of Ice: Wet Blue None

Cooler Temp: 4.3

Correction Factor: 0.0
Add/Subtract (°C):

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.3

USDA Regulated Soil? N/A, water sample

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis. Samples Field Filtered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>WG</u>	
Headpace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted:

Date/Time:

Project Manager SCURE Review:

Date:

Project Manager SRF Review:

Date:



DC#_Title: ENV-FRM-HUN1-0063 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BC15 (water) DOC, LMG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine



Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP40-125 mL Plastic Unpreserved (N/A) (C1)													
BP50-250 mL Plastic Unpreserved (N/A)		2	1	2									
BP20-200 mL Plastic Unpreserved (N/A)													
BP10-1 liter Plastic Unpreserved (N/A)		2		2									
BP45-125 mL Plastic H2SO4 (pH < 2) (C1)													
BP90-250 mL plastic HNO3 (pH < 2)													
BP42-125 mL Plastic 2N Acetate & HNO3 (pH)													
BP48-125 mL Plastic NaOH (pH > 12) (C1)													
WQ10-1000 mL Wash-mouthed Glass for Unpreserved													
AG10-1 liter Amber Unpreserved (N/A) (C1)													
AG11-1 liter Amber HCl (pH < 2)													
AG20-250 mL Amber Unpreserved (N/A) (C1)													
AG15-1 liter Amber H2SO4 (pH < 2)													
AG35-250 mL Amber H2SO4 (pH < 2)													
DG94-40 mL Amber MHAC (N/A) (C1)													
DG58-40 mL VOA HCl (N/A)													
VG97-40 mL VOA Na2SO3 (N/A)													
VG96-40 mL VOA Unpreserved (N/A)													
DG99-40 mL VOA H2O2 (N/A)													
KPTU-50 mL Plastic Unpreserved (N/A)													
V/S&E 13 vials per V&E-V&P/V&S kit (N/A)													
SP57-125 mL Sterile Plastic (N/A - 505)													
SP27-250 mL Sterile Plastic (N/A - 100)													
WP3R-250 mL Phos (NH4)2SO4 (9.3-9.7)													
AG00-100 mL Amber Unpreserved (N/A) (C1)													
VG00-50 mL Stabilization vials (N/A)													
DG9U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed one data package from Pace Analytical for the analysis of water samples collected from August 7 to August 10, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Monitoring Plan - Plant Bowen (WSP, 2022).

Intended Use of Data: To delineate concentrations of constituents of concern in site groundwater.

Analyses requested included:

- SW-846-6010D – Metals by inductively coupled plasma – atomic emission spectrometry (ICP – AES)
- SW-846-6020B – Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Alkalinity, Total and Bicarbonate

Data were reviewed and validated as described in the groundwater monitoring plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, six (6) field blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the method detection limit (MDL).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperature of 4.3°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

- TDS was detected in the field blanks BOW-LF5-8-EB-01 (08/07/2023) and BOW-LF5-8-FB-04 (08/10/2023) at concentrations above the laboratory Reporting Limit (RL). Nine samples (BOW-GWC-26, BOW-GWC-27, BOW-GWC-27R, BOW-GWC-29, BOW-GWA-34, BOW-GWA-34R and BOW-LF5-8-FD-01, BOW-GWC-29R, BOW-GWA-35) had reported values less than 10 times the blank concentration and have been qualified as estimated.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries met the laboratory acceptance criteria for all analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

- Calcium in BOW-GWC-26 and BOW-GWC-29R had low MS/MSD percent recoveries. However, the spiking concentration was less than 30% of the concentration reported for the parent sample and therefore not appropriate for evaluation.
- Total alkalinity in BOW-GWC-27R and BOW-GWC-29 had high MS/MSD percent recoveries and has been qualified as estimated. Bicarbonate is also qualified.
- Fluoride in BOW-GWC-28 had low MS/MSD percent recoveries and has been qualified as estimated.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Tables 3a and b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL. For results reported less than five times the RL, with a difference between sample and duplicate less than two times the RL are also considered acceptable (qualified "A*"). All field duplicate precision was considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

Stantec
Georgia Power – Bowen (Cells 5 & 8)
Analytical Report Nos. 92682122
August 2023

WSP, 2022. Groundwater Monitoring Plan - Plant Bowen. September.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

Stantec
 Georgia Power – Bowen (Cells 5 & 8)
 Analytical Report Nos. 92682122
 August 2023

Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Sample Date
BOW-GWC-26	92682122001	92682122	8/07/2023
BOW-GWC-27	92682122002	92682122	8/07/2023
BOW-GWC-27R	92682122003	92682122	8/07/2023
BOW-GWC-29	92682122004	92682122	8/07/2023
BOW-GWA-34	92682122005	92682122	8/07/2023
BOW-GWA-34R	92682122006	92682122	8/07/2023
BOW-LF5-8-FD-01	92682122007	92682122	8/07/2023
BOW-LF5-8-FB-01	92682122008	92682122	8/07/2023
BOW-LF5-8-EB-01	92682122009	92682122	8/07/2023
BOW-GWC-28	92682122010	92682122	8/08/2023
BOW-GWA-33R	92682122011	92682122	8/08/2023
BOW-GWA-57	92682122012	92682122	8/08/2023
BOW-LF5-8-FB-02	92682122013	92682122	8/08/2023
BOW-LF5-8-EB-02	92682122014	92682122	8/08/2023
BOW-GWC-30	92682122015	92682122	8/09/2023
BOW-GWC-31	92682122016	92682122	8/09/2023
BOW-GWC-31R	92682122017	92682122	8/09/2023
BOW-GWC-32	92682122018	92682122	8/09/2023
BOW-LF5-8-FD-02	92682122019	92682122	8/09/2023
BOW-LF5-8-FB-03	92682122020	92682122	8/09/2023
BOW-GWC-29R	92682122022	92682122	8/09/2023
BOW-GWA-35	92682122023	92682122	8/10/2023
BOW-LF5-8-FB-04	92682122024	92682122	8/10/2023

SDG = sample delivery group (lab report ID)

Stantec
 Georgia Power – Bowen (Cells 5 & 8)
 Analytical Report Nos. 92682122
 August 2023

Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification / Code	Reason for Qualification
BOW-GWC-26	TDS	J / BFH	Detected in FB
BOW-GWC-27	TDS	J / BFH	Detected in FB
BOW-GWC-27R	TDS	J / BFH	Detected in FB
BOW-GWC-29	TDS	J / BFH	Detected in FB
BOW-GWA-34	TDS	J / BFH	Detected in FB
BOW-GWA-34R	TDS	J / BFH	Detected in FB
BOW-LF5-8-FD-01	TDS	J / BFH	Detected in FB
BOW-GWC-29R	TDS	J / BFH	Detected in FB
BOW-GWA-35	TDS	J / BFH	Detected in FB
BOW-GWC-27R	Bicarb Alk	J / MS1	High MS/MSD %R
BOW-GWC-27R	Total Alk	J / MS1	High MS/MSD %R
BOW-GWC-29	Bicarb Alk	J / MS1	High MS/MSD %R
BOW-GWC-29	Total Alk	J / MS1	High MS/MSD %R
BOW-GWC-28	Fluoride	J / MS1	Low MS %R

J – Estimated data; the reported quantitation limit or sample concentration is approximated due to exceedance of one or more QC requirements.

R – Rejected data due to one or more QC requirements.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination. The associated value is an estimate and may be inaccurate or imprecise.

Stantec
 Georgia Power – Bowen (Cells 5 & 8)
 Analytical Report Nos. 92682122
 August 2023

Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-29 / BOW-LF5-8-FD-01	Iron	0.039 J	0.049	NC	A*
	Manganese	0.22	0.21	NC	A*
	Potassium	0.87	0.73	NC	A*
	Sodium	1.5	1.4	NC	A*
	Calcium	28.0	26.7	4.8%	A
	Magnesium	17.3	16.5	4.7%	A
	Antimony	0.0015 J	ND	NC	A*
	Barium	0.032	0.032	NC	A*
	Lithium	0.0030 J	0.0029 J	NC	A*
	Molybdenum	0.0087 J	0.0084 J	NC	A*
	Thallium	0.00023 J	0.00021 J	NC	A*
	TDS	163	132	21.0%	A
	Bicarb	156	157	0.6%	A
	Total Alk	156	157	0.6%	A
	Chloride	2.6	2.6	NC	A*
	Fluoride	0.11	0.11	NC	A*
	Sulfate	1.0	1.0	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified

Stantec
 Georgia Power – Bowen (Cells 5 & 8)
 Analytical Report Nos. 92682122
 August 2023

Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWC-31 / BOW-LF5-8-FD-02	Iron	0.80	0.82	NC	A*
	Manganese	0.42	0.42	NC	A*
	Potassium	1.1	1.0	NC	A*
	Sodium	2.2	2.2	NC	A*
	Calcium	27.9	27.6	1.1%	A
	Magnesium	24.2	24.1	0.4%	A
	Arsenic	0.0078	0.0073	NC	A*
	Barium	0.070	0.069	NC	A*
	Cobalt	0.00076 J	0.00073 J	NC	A*
	Lithium	0.0037 J	0.0037 J	NC	A*
	Molybdenum	0.018	0.017	NC	A*
	TDS	171	172	0.6%	A
	Bicarb	182	185	1.6%	A
	Total Alk	182	185	1.6%	A
	Chloride	4.5	4.5	NC	A*
	Fluoride	0.071 J	0.071 J	NC	A*
	Sulfate	1.1	1.1	NC	A*

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RDL and the difference between sample and duplicate was less than 2X the RDL.

J – Estimated detected.

NA – Not analyzed

NC – Not calculated

NQ – Not qualified



December 07, 2023

Kristen Jurinko
Southern Company
241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 5-8 BG Event #3
Pace Project No.: 92693493

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Peachtree Corners, GA

Revision 1: Li and Mo added to metals list that was missed originally.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92693493001	BOW-GWA-35	Water	10/11/23 10:30	10/16/23 08:38
92693493002	BOW-LF5-8-FD-01	Water	10/11/23 00:00	10/16/23 08:38
92693493003	BOW-LF5-8-FB-02	Water	10/11/23 16:28	10/16/23 08:38
92693493004	BOW-LF5-8-EB-01	Water	10/11/23 16:34	10/16/23 08:38
92693493005	BOW-GWA-34	Water	10/10/23 17:00	10/16/23 08:38
92693493006	BOW-GWA-34R	Water	10/10/23 11:45	10/16/23 08:38
92693493007	BOW-LF5-8-FB-01	Water	10/10/23 18:06	10/16/23 08:38
92693493008	BOW-LF5-8-FD-02	Water	10/12/23 00:00	10/16/23 08:38
92693493009	BOW-LF5-8-FB-03	Water	10/12/23 17:12	10/16/23 08:38
92693493010	BOW-LF5-8-FB-04	Water	10/13/23 12:30	10/16/23 08:38
92693496001	BOW-GWC-29	Water	10/11/23 16:20	10/16/23 08:38
92693496002	BOW-GWC-31	Water	10/11/23 14:20	10/16/23 08:38
92693496003	BOW-GWC-31R	Water	10/11/23 13:00	10/16/23 08:38
92693496004	BOW-GWA-33R	Water	10/11/23 12:18	10/16/23 08:38
92693496005	BOW-GWA-57	Water	10/10/23 14:48	10/16/23 08:38
92693496006	BOW-GWC-26	Water	10/12/23 10:10	10/16/23 08:38
92693496007	BOW-GWC-27	Water	10/12/23 11:40	10/16/23 08:38
92693496008	BOW-GWC-27R	Water	10/12/23 13:45	10/16/23 08:38
92693496009	BOW-GWC-28	Water	10/12/23 16:10	10/16/23 08:38
92693496010	BOW-GWC-29R	Water	10/13/23 09:58	10/16/23 08:38
92693496011	BOW-GWC-30	Water	10/13/23 11:08	10/16/23 08:38
92693496012	BOW-GWC-32	Water	10/13/23 10:45	10/16/23 08:38

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92693493001	BOW-GWA-35	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693493002	BOW-LF5-8-FD-01	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693493003	BOW-LF5-8-FB-02	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693493004	BOW-LF5-8-EB-01	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693493005	BOW-GWA-34	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693493006	BOW-GWA-34R	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693493007	BOW-LF5-8-FB-01	EPA 6010D	DRB	7

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 BG Event #3
 Pace Project No.: 92693493

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92693493008	BOW-LF5-8-FD-02	EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92693493009	BOW-LF5-8-FB-03	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
92693493010	BOW-LF5-8-FB-04	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
92693496001	BOW-GWC-29	EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
92693496002	BOW-GWC-31	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
92693496003	BOW-GWC-31R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92693496004	BOW-GWA-33R	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92693496005	BOW-GWA-57	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693496006	BOW-GWC-26	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
92693496007	BOW-GWC-27	EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92693496008	BOW-GWC-27R	SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
92693496009	BOW-GWC-28	EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92693496010	BOW-GWC-29R	SM 2540C-2015	DL1	1
		SM 2320B-2011	SMS	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
92693496011	BOW-GWC-30	SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
92693496012	BOW-GWC-32	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	7
		EPA 6020B	CW1, MT1	17
		EPA 7470A	VB	1
		SM 2540C-2015	DL1	1
		SM 2320B-2011	YEG	3
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92693493001	BOW-GWA-35					
EPA 6010D	Potassium	2.1	mg/L	0.50	11/07/23 10:24	
EPA 6010D	Sodium	3.8	mg/L	1.0	11/07/23 10:24	
EPA 6010D	Manganese	0.023J	mg/L	0.040	11/03/23 01:08	
EPA 6010D	Calcium	44.8	mg/L	1.0	11/03/23 01:08	
EPA 6010D	Magnesium	26.5	mg/L	0.050	11/03/23 01:08	
EPA 6020B	Arsenic	0.00095J	mg/L	0.0050	10/30/23 17:35	
EPA 6020B	Barium	0.020	mg/L	0.0050	10/30/23 17:35	
EPA 6020B	Beryllium	0.00023J	mg/L	0.00050	10/30/23 17:35	
EPA 6020B	Cadmium	0.00021J	mg/L	0.00050	10/30/23 17:35	
EPA 6020B	Cobalt	0.00032J	mg/L	0.0050	10/30/23 17:35	
EPA 6020B	Lead	0.00019J	mg/L	0.0010	10/30/23 17:35	
EPA 6020B	Molybdenum	0.0019J	mg/L	0.010	10/30/23 17:35	
EPA 6020B	Vanadium	0.0014J	mg/L	0.010	10/30/23 17:35	
SM 2540C-2015	Total Dissolved Solids	224	mg/L	25.0	10/17/23 19:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	10/20/23 13:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	216	mg/L	5.0	10/20/23 13:36	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	10/18/23 20:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	10/18/23 20:39	
EPA 300.0 Rev 2.1 1993	Sulfate	5.8	mg/L	1.0	10/18/23 20:39	
92693493002	BOW-LF5-8-FD-01					
EPA 6010D	Potassium	1.8	mg/L	0.50	11/07/23 10:29	
EPA 6010D	Sodium	3.7	mg/L	1.0	11/07/23 10:29	
EPA 6010D	Manganese	0.023J	mg/L	0.040	11/03/23 01:13	
EPA 6010D	Calcium	45.2	mg/L	1.0	11/03/23 01:13	
EPA 6010D	Magnesium	26.7	mg/L	0.050	11/03/23 01:13	
EPA 6020B	Arsenic	0.00091J	mg/L	0.0050	10/30/23 17:51	
EPA 6020B	Barium	0.020	mg/L	0.0050	10/30/23 17:51	
EPA 6020B	Molybdenum	0.0017J	mg/L	0.010	10/30/23 17:51	
EPA 6020B	Vanadium	0.0011J	mg/L	0.010	10/30/23 17:51	
SM 2540C-2015	Total Dissolved Solids	231	mg/L	25.0	10/17/23 19:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	220	mg/L	5.0	10/20/23 13:49	
SM 2320B-2011	Alkalinity, Total as CaCO3	220	mg/L	5.0	10/20/23 13:49	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	10/18/23 20:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	10/18/23 20:52	
EPA 300.0 Rev 2.1 1993	Sulfate	5.8	mg/L	1.0	10/18/23 20:52	
92693493005	BOW-GWA-34					
EPA 6010D	Iron	7.8	mg/L	0.040	11/03/23 01:28	
EPA 6010D	Manganese	0.30	mg/L	0.040	11/03/23 01:28	
EPA 6010D	Calcium	20.0	mg/L	1.0	11/03/23 01:28	
EPA 6010D	Magnesium	10.2	mg/L	0.050	11/03/23 01:28	
EPA 6010D	Potassium	0.74	mg/L	0.50	11/07/23 10:45	
EPA 6010D	Sodium	3.7	mg/L	1.0	11/07/23 10:45	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	10/30/23 18:03	
EPA 6020B	Barium	0.031	mg/L	0.0050	10/30/23 18:03	
EPA 6020B	Cobalt	0.014	mg/L	0.0050	10/30/23 18:03	
EPA 6020B	Lithium	0.0022J	mg/L	0.030	11/22/23 14:04	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693493005	BOW-GWA-34					
EPA 6020B	Nickel	0.0074	mg/L	0.0050	10/30/23 18:03	
SM 2540C-2015	Total Dissolved Solids	134	mg/L	25.0	10/17/23 19:32	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	10/18/23 20:53	
SM 2320B-2011	Alkalinity, Total as CaCO3	103	mg/L	5.0	10/18/23 20:53	
EPA 300.0 Rev 2.1 1993	Chloride	4.8	mg/L	1.0	10/18/23 13:25	
EPA 300.0 Rev 2.1 1993	Sulfate	0.99J	mg/L	1.0	10/18/23 13:25	
92693493006	BOW-GWA-34R					
EPA 6010D	Iron	0.84	mg/L	0.040	11/03/23 01:39	
EPA 6010D	Manganese	0.51	mg/L	0.040	11/03/23 01:39	
EPA 6010D	Calcium	40.0	mg/L	1.0	11/03/23 01:39	
EPA 6010D	Magnesium	22.7	mg/L	0.050	11/03/23 01:39	
EPA 6010D	Potassium	0.79	mg/L	0.50	11/07/23 10:50	
EPA 6010D	Sodium	2.2	mg/L	1.0	11/07/23 10:50	
EPA 6020B	Arsenic	0.00087J	mg/L	0.0050	10/30/23 18:19	
EPA 6020B	Barium	0.019	mg/L	0.0050	10/30/23 18:19	
EPA 6020B	Cobalt	0.0027J	mg/L	0.0050	10/30/23 18:19	
EPA 6020B	Copper	0.00062J	mg/L	0.0050	10/30/23 18:19	
SM 2540C-2015	Total Dissolved Solids	261	mg/L	25.0	10/17/23 19:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	197	mg/L	5.0	10/18/23 21:12	
SM 2320B-2011	Alkalinity, Total as CaCO3	197	mg/L	5.0	10/18/23 21:12	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	10/18/23 14:09	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	10/18/23 14:09	
92693493008	BOW-LF5-8-FD-02					
EPA 6010D	Iron	0.057	mg/L	0.040	11/03/23 05:14	
EPA 6010D	Manganese	0.046	mg/L	0.040	11/03/23 05:14	
EPA 6010D	Calcium	28.8	mg/L	1.0	11/03/23 05:14	
EPA 6010D	Magnesium	16.5	mg/L	0.050	11/03/23 05:14	
EPA 6010D	Potassium	0.89	mg/L	0.50	11/07/23 07:08	
EPA 6010D	Sodium	5.5	mg/L	1.0	11/07/23 07:08	
EPA 6020B	Arsenic	0.0010J	mg/L	0.0050	10/30/23 18:27	
EPA 6020B	Barium	0.012	mg/L	0.0050	10/30/23 18:27	
EPA 6020B	Cobalt	0.00036J	mg/L	0.0050	10/30/23 18:27	
EPA 6020B	Molybdenum	0.019	mg/L	0.010	10/30/23 18:27	
SM 2540C-2015	Total Dissolved Solids	148	mg/L	25.0	10/18/23 17:28	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	10/20/23 22:10	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	10/20/23 22:10	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	10/18/23 14:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.059J	mg/L	0.10	10/18/23 14:38	
EPA 300.0 Rev 2.1 1993	Sulfate	9.1	mg/L	1.0	10/18/23 14:38	
92693496001	BOW-GWC-29					
EPA 6010D	Potassium	0.84	mg/L	0.50	11/07/23 07:13	
EPA 6010D	Sodium	1.5	mg/L	1.0	11/07/23 07:13	
EPA 6010D	Iron	0.25	mg/L	0.040	11/03/23 05:29	
EPA 6010D	Manganese	0.043	mg/L	0.040	11/03/23 05:29	
EPA 6010D	Calcium	28.1	mg/L	1.0	11/03/23 05:29	
EPA 6010D	Magnesium	16.0	mg/L	0.050	11/03/23 05:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92693496001	BOW-GWC-29					
EPA 6020B	Antimony	0.0012J	mg/L	0.0030	10/30/23 14:53	B
EPA 6020B	Arsenic	0.00092J	mg/L	0.0050	10/30/23 14:53	
EPA 6020B	Barium	0.038	mg/L	0.0050	10/30/23 14:53	
EPA 6020B	Lead	0.00021J	mg/L	0.0010	10/30/23 14:53	
EPA 6020B	Lithium	0.0031J	mg/L	0.030	11/22/23 15:06	
EPA 6020B	Molybdenum	0.0067J	mg/L	0.010	10/30/23 14:53	
EPA 6020B	Vanadium	0.00077J	mg/L	0.010	10/30/23 14:53	
SM 2540C-2015	Total Dissolved Solids	148	mg/L	25.0	10/17/23 19:35	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	10/20/23 14:09	
SM 2320B-2011	Alkalinity, Total as CaCO3	142	mg/L	5.0	10/20/23 14:09	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	10/18/23 15:51	
EPA 300.0 Rev 2.1 1993	Fluoride	0.069J	mg/L	0.10	10/18/23 15:51	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	10/18/23 15:51	
92693496002	BOW-GWC-31					
EPA 6010D	Calcium	31.1	mg/L	1.0	11/03/23 05:34	M1
EPA 6010D	Iron	0.97	mg/L	0.040	11/03/23 05:34	
EPA 6010D	Magnesium	24.4	mg/L	0.050	11/03/23 05:34	M1
EPA 6010D	Manganese	0.30	mg/L	0.040	11/03/23 05:34	
EPA 6010D	Potassium	1.2	mg/L	0.50	11/07/23 07:18	B
EPA 6010D	Sodium	2.1	mg/L	1.0	11/07/23 07:18	
EPA 6020B	Antimony	0.0010J	mg/L	0.0030	10/30/23 15:09	B
EPA 6020B	Arsenic	0.0061	mg/L	0.0050	10/30/23 15:09	
EPA 6020B	Barium	0.085	mg/L	0.0050	10/30/23 15:09	
EPA 6020B	Cobalt	0.00046J	mg/L	0.0050	10/30/23 15:09	
EPA 6020B	Lithium	0.0035J	mg/L	0.030	11/22/23 15:18	
EPA 6020B	Molybdenum	0.017	mg/L	0.010	10/30/23 15:09	
SM 2540C-2015	Total Dissolved Solids	120	mg/L	25.0	10/17/23 19:35	D6
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	10/20/23 14:28	
SM 2320B-2011	Alkalinity, Total as CaCO3	188	mg/L	5.0	10/20/23 14:28	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	10/18/23 16:06	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	10/18/23 16:06	
92693496003	BOW-GWC-31R					
EPA 6010D	Potassium	0.71	mg/L	0.50	11/07/23 07:34	
EPA 6010D	Sodium	1.8	mg/L	1.0	11/07/23 07:34	
EPA 6010D	Iron	0.16	mg/L	0.040	11/03/23 06:06	
EPA 6010D	Manganese	0.022J	mg/L	0.040	11/03/23 06:06	
EPA 6010D	Calcium	37.2	mg/L	1.0	11/03/23 06:06	
EPA 6010D	Magnesium	20.4	mg/L	0.050	11/03/23 06:06	
EPA 6020B	Arsenic	0.0010J	mg/L	0.0050	10/30/23 15:13	
EPA 6020B	Barium	0.021	mg/L	0.0050	10/30/23 15:13	
EPA 6020B	Molybdenum	0.0020J	mg/L	0.010	10/30/23 15:13	
EPA 6020B	Vanadium	0.00089J	mg/L	0.010	10/30/23 15:13	
SM 2540C-2015	Total Dissolved Solids	200	mg/L	25.0	10/17/23 19:36	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	176	mg/L	5.0	10/20/23 14:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	176	mg/L	5.0	10/20/23 14:40	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	10/18/23 16:21	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92693496003	BOW-GWC-31R					
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	10/18/23 16:21	
92693496004	BOW-GWA-33R					
EPA 6010D	Iron	0.18	mg/L	0.040	11/03/23 06:11	
EPA 6010D	Potassium	0.44J	mg/L	0.50	11/03/23 06:11	
EPA 6010D	Calcium	29.3	mg/L	1.0	11/03/23 06:11	
EPA 6010D	Magnesium	12.3	mg/L	0.050	11/03/23 06:11	
EPA 6010D	Sodium	2.1	mg/L	1.0	11/07/23 07:39	
EPA 6020B	Arsenic	0.0010J	mg/L	0.0050	10/30/23 15:17	
EPA 6020B	Barium	0.0013J	mg/L	0.0050	10/30/23 15:17	
EPA 6020B	Molybdenum	0.00063J	mg/L	0.010	10/30/23 15:17	
EPA 6020B	Vanadium	0.00091J	mg/L	0.010	10/30/23 15:17	
SM 2540C-2015	Total Dissolved Solids	144	mg/L	25.0	10/17/23 19:36	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	131	mg/L	5.0	10/20/23 14:51	
SM 2320B-2011	Alkalinity, Total as CaCO3	131	mg/L	5.0	10/20/23 14:51	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	10/18/23 16:36	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	10/18/23 16:36	
92693496005	BOW-GWA-57					
EPA 6010D	Iron	0.26	mg/L	0.040	11/03/23 06:16	
EPA 6010D	Manganese	0.37	mg/L	0.040	11/03/23 06:16	
EPA 6010D	Potassium	0.50J	mg/L	0.50	11/03/23 06:16	
EPA 6010D	Calcium	33.1	mg/L	1.0	11/03/23 06:16	
EPA 6010D	Magnesium	19.2	mg/L	0.050	11/03/23 06:16	
EPA 6010D	Sodium	2.4	mg/L	1.0	11/07/23 07:44	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	10/30/23 15:21	
EPA 6020B	Barium	0.014	mg/L	0.0050	10/30/23 15:21	
EPA 6020B	Cobalt	0.0012J	mg/L	0.0050	10/30/23 15:21	
EPA 6020B	Molybdenum	0.00073J	mg/L	0.010	10/30/23 15:21	
SM 2540C-2015	Total Dissolved Solids	166	mg/L	25.0	10/17/23 19:33	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	10/18/23 21:40	
SM 2320B-2011	Alkalinity, Total as CaCO3	171	mg/L	5.0	10/18/23 21:40	M1
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	10/18/23 16:51	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	10/18/23 16:51	
92693496006	BOW-GWC-26					
EPA 6010D	Calcium	36.7	mg/L	1.0	11/03/23 06:21	
EPA 6010D	Magnesium	15.9	mg/L	0.050	11/03/23 06:21	
EPA 6010D	Potassium	0.98	mg/L	0.50	11/07/23 08:00	
EPA 6010D	Sodium	1.5	mg/L	1.0	11/07/23 08:00	
EPA 6020B	Barium	0.017	mg/L	0.0050	10/30/23 15:34	
EPA 6020B	Boron	0.017J	mg/L	0.040	10/30/23 15:34	
EPA 6020B	Molybdenum	0.0016J	mg/L	0.010	10/30/23 15:34	
EPA 6020B	Vanadium	0.0011J	mg/L	0.010	10/30/23 15:34	
SM 2540C-2015	Total Dissolved Solids	192	mg/L	25.0	10/18/23 17:28	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	147	mg/L	5.0	10/20/23 22:24	
SM 2320B-2011	Alkalinity, Total as CaCO3	147	mg/L	5.0	10/20/23 22:24	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	10/18/23 17:35	
EPA 300.0 Rev 2.1 1993	Sulfate	16.5	mg/L	1.0	10/18/23 17:35	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92693496007	BOW-GWC-27					
EPA 6010D	Potassium	0.86	mg/L	0.50	11/07/23 08:05	
EPA 6010D	Sodium	1.3	mg/L	1.0	11/07/23 08:05	
EPA 6010D	Iron	0.091	mg/L	0.040	11/03/23 06:26	
EPA 6010D	Calcium	34.3	mg/L	1.0	11/03/23 06:26	
EPA 6010D	Magnesium	17.9	mg/L	0.050	11/03/23 06:26	
EPA 6020B	Arsenic	0.0010J	mg/L	0.0050	10/30/23 15:38	
EPA 6020B	Barium	0.017	mg/L	0.0050	10/30/23 15:38	
EPA 6020B	Cobalt	0.00035J	mg/L	0.0050	10/30/23 15:38	
EPA 6020B	Molybdenum	0.0014J	mg/L	0.010	10/30/23 15:38	
EPA 6020B	Vanadium	0.00083J	mg/L	0.010	10/30/23 15:38	
SM 2540C-2015	Total Dissolved Solids	191	mg/L	25.0	10/18/23 17:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	10/20/23 22:35	
SM 2320B-2011	Alkalinity, Total as CaCO3	142	mg/L	5.0	10/20/23 22:35	
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	10/18/23 17:50	
EPA 300.0 Rev 2.1 1993	Sulfate	21.1	mg/L	1.0	10/18/23 17:50	
92693496008	BOW-GWC-27R					
EPA 6010D	Potassium	0.84	mg/L	0.50	11/07/23 08:10	
EPA 6010D	Sodium	5.8	mg/L	1.0	11/07/23 08:10	
EPA 6010D	Iron	0.20	mg/L	0.040	11/03/23 06:31	
EPA 6010D	Manganese	0.049	mg/L	0.040	11/03/23 06:31	
EPA 6010D	Calcium	29.9	mg/L	1.0	11/03/23 06:31	
EPA 6010D	Magnesium	16.1	mg/L	0.050	11/03/23 06:31	
EPA 6020B	Antimony	0.00075J	mg/L	0.0030	10/30/23 15:42	B
EPA 6020B	Arsenic	0.0015J	mg/L	0.0050	10/30/23 15:42	
EPA 6020B	Barium	0.015	mg/L	0.0050	10/30/23 15:42	
EPA 6020B	Copper	0.0011J	mg/L	0.0050	10/30/23 15:42	
EPA 6020B	Lead	0.00018J	mg/L	0.0010	10/30/23 15:42	
EPA 6020B	Molybdenum	0.0055J	mg/L	0.010	10/30/23 15:42	
EPA 6020B	Vanadium	0.0013J	mg/L	0.010	10/30/23 15:42	
SM 2540C-2015	Total Dissolved Solids	195	mg/L	25.0	10/18/23 17:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	10/20/23 22:54	
SM 2320B-2011	Alkalinity, Total as CaCO3	148	mg/L	5.0	10/20/23 22:54	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	10/18/23 18:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	10/18/23 18:04	
EPA 300.0 Rev 2.1 1993	Sulfate	2.8	mg/L	1.0	10/18/23 18:04	
92693496009	BOW-GWC-28					
EPA 6010D	Potassium	1.0	mg/L	0.50	11/07/23 08:15	
EPA 6010D	Sodium	6.1	mg/L	1.0	11/07/23 08:15	
EPA 6010D	Iron	0.053	mg/L	0.040	11/03/23 06:42	
EPA 6010D	Manganese	0.049	mg/L	0.040	11/03/23 06:42	
EPA 6010D	Calcium	30.4	mg/L	1.0	11/03/23 06:42	
EPA 6010D	Magnesium	17.5	mg/L	0.050	11/03/23 06:42	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	10/30/23 15:46	
EPA 6020B	Barium	0.011	mg/L	0.0050	10/30/23 15:46	
EPA 6020B	Cobalt	0.00038J	mg/L	0.0050	10/30/23 15:46	
EPA 6020B	Molybdenum	0.022	mg/L	0.010	10/30/23 15:46	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92693496009	BOW-GWC-28					
SM 2540C-2015	Total Dissolved Solids	155	mg/L	25.0	10/18/23 17:29	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	10/20/23 23:04	
SM 2320B-2011	Alkalinity, Total as CaCO3	150	mg/L	5.0	10/20/23 23:04	
EPA 300.0 Rev 2.1 1993	Chloride	3.5	mg/L	1.0	10/18/23 18:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	10/18/23 18:50	
EPA 300.0 Rev 2.1 1993	Sulfate	9.0	mg/L	1.0	10/18/23 18:50	
92693496010	BOW-GWC-29R					
EPA 6010D	Potassium	0.86	mg/L	0.50	11/07/23 08:20	
EPA 6010D	Sodium	2.2	mg/L	1.0	11/07/23 08:20	
EPA 6010D	Manganese	0.014J	mg/L	0.040	11/03/23 06:47	
EPA 6010D	Calcium	32.3	mg/L	1.0	11/03/23 06:47	
EPA 6010D	Magnesium	17.4	mg/L	0.050	11/03/23 06:47	
EPA 6020B	Antimony	0.00079J	mg/L	0.0030	10/30/23 15:50	B
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	10/30/23 15:50	
EPA 6020B	Barium	0.013	mg/L	0.0050	10/30/23 15:50	
EPA 6020B	Lithium	0.0019J	mg/L	0.030	11/22/23 16:02	
EPA 6020B	Molybdenum	0.018	mg/L	0.010	10/30/23 15:50	
EPA 6020B	Vanadium	0.00081J	mg/L	0.010	10/30/23 15:50	
SM 2540C-2015	Total Dissolved Solids	150	mg/L	25.0	10/18/23 17:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	10/23/23 19:26	
SM 2320B-2011	Alkalinity, Total as CaCO3	146	mg/L	5.0	10/23/23 19:26	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	10/18/23 19:05	
EPA 300.0 Rev 2.1 1993	Sulfate	5.2	mg/L	1.0	10/18/23 19:05	
92693496011	BOW-GWC-30					
EPA 6010D	Potassium	1.2	mg/L	0.50	11/07/23 08:25	
EPA 6010D	Sodium	1.8	mg/L	1.0	11/07/23 08:25	
EPA 6010D	Iron	0.026J	mg/L	0.040	11/03/23 06:52	
EPA 6010D	Calcium	40.8	mg/L	1.0	11/03/23 06:52	
EPA 6010D	Magnesium	20.7	mg/L	0.050	11/03/23 06:52	
EPA 6020B	Arsenic	0.00093J	mg/L	0.0050	10/30/23 15:54	
EPA 6020B	Barium	0.018	mg/L	0.0050	10/30/23 15:54	
EPA 6020B	Molybdenum	0.028	mg/L	0.010	10/30/23 15:54	
EPA 6020B	Vanadium	0.0012J	mg/L	0.010	10/30/23 15:54	
SM 2540C-2015	Total Dissolved Solids	195	mg/L	25.0	10/18/23 17:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	10/23/23 19:36	
SM 2320B-2011	Alkalinity, Total as CaCO3	182	mg/L	5.0	10/23/23 19:36	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	10/18/23 19:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.059J	mg/L	0.10	10/18/23 19:20	
EPA 300.0 Rev 2.1 1993	Sulfate	5.7	mg/L	1.0	10/18/23 19:20	
92693496012	BOW-GWC-32					
EPA 6010D	Iron	2.0	mg/L	0.040	11/03/23 07:08	
EPA 6010D	Manganese	0.16	mg/L	0.040	11/03/23 07:08	
EPA 6010D	Calcium	47.3	mg/L	1.0	11/03/23 07:08	
EPA 6010D	Magnesium	23.8	mg/L	0.050	11/03/23 07:08	
EPA 6010D	Potassium	1.3	mg/L	0.50	11/07/23 08:30	
EPA 6010D	Sodium	3.1	mg/L	1.0	11/07/23 08:30	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693496012	BOW-GWC-32					
EPA 6020B	Arsenic	0.0042J	mg/L	0.0050	10/30/23 15:58	
EPA 6020B	Barium	0.027	mg/L	0.0050	10/30/23 15:58	
EPA 6020B	Cobalt	0.00070J	mg/L	0.0050	10/30/23 15:58	
EPA 6020B	Lithium	0.019J	mg/L	0.030	11/22/23 16:10	
EPA 6020B	Molybdenum	0.022	mg/L	0.010	10/30/23 15:58	
SM 2540C-2015	Total Dissolved Solids	238	mg/L	25.0	10/18/23 17:34	
SM 2320B-2011	Alkalinity,Bicarbonate (CaCO3)	234	mg/L	5.0	10/23/23 23:49	
SM 2320B-2011	Alkalinity, Total as CaCO3	234	mg/L	5.0	10/23/23 23:49	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	10/18/23 19:34	
EPA 300.0 Rev 2.1 1993	Sulfate	2.6	mg/L	1.0	10/18/23 19:34	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-35 Lab ID: 92693493001 Collected: 10/11/23 10:30 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	2.1	mg/L	0.50	0.15	1	11/01/23 11:38	11/07/23 10:24	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	11/01/23 11:38	11/07/23 10:24	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	11/01/23 11:38	11/03/23 01:08	7439-89-6	
Manganese	0.023J	mg/L	0.040	0.011	1	11/01/23 11:38	11/03/23 01:08	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 11:38	11/03/23 01:08	7440-66-6	
Calcium	44.8	mg/L	1.0	0.12	1	11/01/23 11:38	11/03/23 01:08	7440-70-2	
Magnesium	26.5	mg/L	0.050	0.012	1	11/01/23 11:38	11/03/23 01:08	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 17:35	7440-36-0	
Arsenic	0.00095J	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 17:35	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 17:35	7440-39-3	
Beryllium	0.00023J	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 17:35	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 17:35	7440-42-8	
Cadmium	0.00021J	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 17:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 17:35	7440-47-3	
Cobalt	0.00032J	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 17:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 17:35	7440-50-8	
Lead	0.00019J	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 17:35	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 13:39	7439-93-2	
Molybdenum	0.0019J	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 17:35	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 17:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 17:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 17:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 17:35	7440-28-0	
Vanadium	0.0014J	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 17:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 14:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	224	mg/L	25.0	25.0	1		10/17/23 19:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	5.0	1		10/20/23 13:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 13:36		
Alkalinity, Total as CaCO3	216	mg/L	5.0	5.0	1		10/20/23 13:36		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3
 Pace Project No.: 92693493

Sample: BOW-GWA-35 **Lab ID: 92693493001** Collected: 10/11/23 10:30 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		10/18/23 20:39	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		10/18/23 20:39	16984-48-8	
Sulfate	5.8	mg/L	1.0	0.50	1		10/18/23 20:39	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FD-01 Lab ID: 92693493002 Collected: 10/11/23 00:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	1.8	mg/L	0.50	0.15	1	11/01/23 11:38	11/07/23 10:29	7440-09-7	
Sodium	3.7	mg/L	1.0	0.58	1	11/01/23 11:38	11/07/23 10:29	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	11/01/23 11:38	11/03/23 01:13	7439-89-6	
Manganese	0.023J	mg/L	0.040	0.011	1	11/01/23 11:38	11/03/23 01:13	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 11:38	11/03/23 01:13	7440-66-6	
Calcium	45.2	mg/L	1.0	0.12	1	11/01/23 11:38	11/03/23 01:13	7440-70-2	
Magnesium	26.7	mg/L	0.050	0.012	1	11/01/23 11:38	11/03/23 01:13	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 17:51	7440-36-0	
Arsenic	0.00091J	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 17:51	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 17:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 17:51	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 17:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 17:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 17:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 17:51	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 17:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 17:51	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 13:51	7439-93-2	
Molybdenum	0.0017J	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 17:51	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 17:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 17:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 17:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 17:51	7440-28-0	
Vanadium	0.0011J	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 17:51	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 14:53	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	231	mg/L	25.0	25.0	1		10/17/23 19:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	220	mg/L	5.0	5.0	1		10/20/23 13:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 13:49		
Alkalinity, Total as CaCO3	220	mg/L	5.0	5.0	1		10/20/23 13:49		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FD-01 Lab ID: 92693493002 Collected: 10/11/23 00:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		10/18/23 20:52	16887-00-6	
Fluoride	0.055J	mg/L	0.10	0.050	1		10/18/23 20:52	16984-48-8	
Sulfate	5.8	mg/L	1.0	0.50	1		10/18/23 20:52	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-02 Lab ID: 92693493003 Collected: 10/11/23 16:28 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	11/01/23 11:38	11/03/23 01:18	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 11:38	11/03/23 01:18	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 11:38	11/03/23 01:18	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	11/01/23 11:38	11/03/23 01:18	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	11/01/23 11:38	11/03/23 01:18	7439-95-4	
Potassium	ND	mg/L	0.50	0.15	1	11/01/23 11:38	11/07/23 10:34	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	11/01/23 11:38	11/07/23 10:34	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 17:55	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 17:55	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 17:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 17:55	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 17:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 17:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 17:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 17:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 17:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 17:55	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 13:55	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 17:55	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 17:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 17:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 17:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 17:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 17:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 14:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/17/23 19:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:00		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		10/20/23 14:00		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-02 Lab ID: 92693493003 Collected: 10/11/23 16:28 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		10/18/23 21:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 21:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/23 21:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-EB-01 Lab ID: 92693493004 Collected: 10/11/23 16:34 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	11/01/23 11:38	11/03/23 01:23	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 11:38	11/03/23 01:23	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 11:38	11/03/23 01:23	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	11/01/23 11:38	11/03/23 01:23	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	11/01/23 11:38	11/03/23 01:23	7439-95-4	
Potassium	ND	mg/L	0.50	0.15	1	11/01/23 11:38	11/07/23 10:40	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	11/01/23 11:38	11/07/23 10:40	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 17:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 17:59	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 17:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 17:59	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 17:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 17:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 17:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 17:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 17:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 17:59	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 13:59	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 17:59	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 17:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 17:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 17:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 17:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 17:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:04	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/17/23 19:35		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:05		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		10/20/23 14:05		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-EB-01 Lab ID: 92693493004 Collected: 10/11/23 16:34 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		10/18/23 21:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 21:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/23 21:19	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-34 Lab ID: 92693493005 Collected: 10/10/23 17:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	7.8	mg/L	0.040	0.025	1	11/01/23 11:38	11/03/23 01:28	7439-89-6	
Manganese	0.30	mg/L	0.040	0.011	1	11/01/23 11:38	11/03/23 01:28	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 11:38	11/03/23 01:28	7440-66-6	
Calcium	20.0	mg/L	1.0	0.12	1	11/01/23 11:38	11/03/23 01:28	7440-70-2	
Magnesium	10.2	mg/L	0.050	0.012	1	11/01/23 11:38	11/03/23 01:28	7439-95-4	
Potassium	0.74	mg/L	0.50	0.15	1	11/01/23 11:38	11/07/23 10:45	7440-09-7	
Sodium	3.7	mg/L	1.0	0.58	1	11/01/23 11:38	11/07/23 10:45	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 18:03	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 18:03	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 18:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 18:03	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 18:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 18:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 18:03	7440-47-3	
Cobalt	0.014	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 18:03	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 18:03	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 18:03	7439-92-1	
Lithium	0.0022J	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 14:04	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 18:03	7439-98-7	
Nickel	0.0074	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 18:03	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 18:03	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 18:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 18:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 18:03	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:06	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	134	mg/L	25.0	25.0	1		10/17/23 19:32		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	103	mg/L	5.0	5.0	1		10/18/23 20:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/18/23 20:53		
Alkalinity, Total as CaCO3	103	mg/L	5.0	5.0	1		10/18/23 20:53		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-34 Lab ID: 92693493005 Collected: 10/10/23 17:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.8	mg/L	1.0	0.60	1		10/18/23 13:25	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 13:25	16984-48-8	
Sulfate	0.99J	mg/L	1.0	0.50	1		10/18/23 13:25	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-34R **Lab ID: 92693493006** Collected: 10/10/23 11:45 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.84	mg/L	0.040	0.025	1	11/01/23 11:38	11/03/23 01:39	7439-89-6	
Manganese	0.51	mg/L	0.040	0.011	1	11/01/23 11:38	11/03/23 01:39	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 11:38	11/03/23 01:39	7440-66-6	
Calcium	40.0	mg/L	1.0	0.12	1	11/01/23 11:38	11/03/23 01:39	7440-70-2	
Magnesium	22.7	mg/L	0.050	0.012	1	11/01/23 11:38	11/03/23 01:39	7439-95-4	
Potassium	0.79	mg/L	0.50	0.15	1	11/01/23 11:38	11/07/23 10:50	7440-09-7	
Sodium	2.2	mg/L	1.0	0.58	1	11/01/23 11:38	11/07/23 10:50	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 18:19	7440-36-0	
Arsenic	0.00087J	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 18:19	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 18:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 18:19	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 18:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 18:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 18:19	7440-47-3	
Cobalt	0.0027J	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 18:19	7440-48-4	
Copper	0.00062J	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 18:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 18:19	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 14:08	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 18:19	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 18:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 18:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 18:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 18:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 18:19	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	261	mg/L	25.0	25.0	1		10/17/23 19:33		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	197	mg/L	5.0	5.0	1		10/18/23 21:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/18/23 21:12		
Alkalinity, Total as CaCO3	197	mg/L	5.0	5.0	1		10/18/23 21:12		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-34R Lab ID: 92693493006 Collected: 10/10/23 11:45 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.0	mg/L	1.0	0.60	1		10/18/23 14:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 14:09	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		10/18/23 14:09	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-01 Lab ID: 92693493007 Collected: 10/10/23 18:06 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 05:08	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 05:08	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 05:08	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	11/01/23 13:07	11/03/23 05:08	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	11/01/23 13:07	11/03/23 05:08	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 05:08	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 05:08	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 18:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 18:23	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 18:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 18:23	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 18:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 18:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 18:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 18:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 18:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 18:23	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 14:22	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 18:23	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 18:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 18:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 18:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 18:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 18:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/17/23 19:33		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/18/23 21:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/18/23 21:24		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		10/18/23 21:24		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-01 Lab ID: 92693493007 Collected: 10/10/23 18:06 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		10/18/23 14:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 14:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/23 14:23	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FD-02		Lab ID: 92693493008		Collected: 10/12/23 00:00		Received: 10/16/23 08:38		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Iron	0.057	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 05:14	7439-89-6		
Manganese	0.046	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 05:14	7439-96-5		
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 05:14	7440-66-6		
Calcium	28.8	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 05:14	7440-70-2		
Magnesium	16.5	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 05:14	7439-95-4		
Potassium	0.89	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 07:08	7440-09-7		
Sodium	5.5	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 07:08	7440-23-5		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 18:27	7440-36-0		
Arsenic	0.0010J	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 18:27	7440-38-2		
Barium	0.012	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 18:27	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 18:27	7440-41-7		
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 18:27	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 18:27	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 18:27	7440-47-3		
Cobalt	0.00036J	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 18:27	7440-48-4		
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 18:27	7440-50-8		
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 18:27	7439-92-1		
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 14:26	7439-93-2		
Molybdenum	0.019	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 18:27	7439-98-7		
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 18:27	7440-02-0		
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 18:27	7782-49-2		
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 18:27	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 18:27	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 18:27	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:14	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	148	mg/L	25.0	25.0	1		10/18/23 17:28			
2320B Alkalinity		Analytical Method: SM 2320B-2011 Pace Analytical Services - Asheville								
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	5.0	1		10/20/23 22:10			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 22:10			
Alkalinity, Total as CaCO3	148	mg/L	5.0	5.0	1		10/20/23 22:10			

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FD-02 Lab ID: 92693493008 Collected: 10/12/23 00:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.4	mg/L	1.0	0.60	1		10/18/23 14:38	16887-00-6	
Fluoride	0.059J	mg/L	0.10	0.050	1		10/18/23 14:38	16984-48-8	
Sulfate	9.1	mg/L	1.0	0.50	1		10/18/23 14:38	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-03 Lab ID: 92693493009 Collected: 10/12/23 17:12 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 05:19	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 05:19	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 05:19	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	11/01/23 13:07	11/03/23 05:19	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	11/01/23 13:07	11/03/23 05:19	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 05:19	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 05:19	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 18:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 18:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 18:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 18:31	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 18:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 18:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 18:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 18:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 18:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 18:31	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 14:30	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 18:31	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 18:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 18:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 18:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 18:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 18:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/18/23 17:28		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 22:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 22:20		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		10/20/23 22:20		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-03 Lab ID: 92693493009 Collected: 10/12/23 17:12 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		10/18/23 14:53	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 14:53	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/23 14:53	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-04 Lab ID: 92693493010 Collected: 10/13/23 12:30 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	ND	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 05:24	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 05:24	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 05:24	7440-66-6	
Potassium	ND	mg/L	0.50	0.15	1	11/01/23 13:07	11/03/23 05:24	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	11/01/23 13:07	11/03/23 05:24	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 05:24	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 05:24	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/26/23 10:00	10/30/23 18:35	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	10/26/23 10:00	10/30/23 18:35	7440-38-2	
Barium	ND	mg/L	0.0050	0.00047	1	10/26/23 10:00	10/30/23 18:35	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/26/23 10:00	10/30/23 18:35	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/26/23 10:00	10/30/23 18:35	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/26/23 10:00	10/30/23 18:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/26/23 10:00	10/30/23 18:35	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/26/23 10:00	10/30/23 18:35	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/26/23 10:00	10/30/23 18:35	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/26/23 10:00	10/30/23 18:35	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/26/23 10:00	11/22/23 14:34	7439-93-2	
Molybdenum	ND	mg/L	0.010	0.00062	1	10/26/23 10:00	10/30/23 18:35	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/26/23 10:00	10/30/23 18:35	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/26/23 10:00	10/30/23 18:35	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/26/23 10:00	10/30/23 18:35	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/26/23 10:00	10/30/23 18:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/26/23 10:00	10/30/23 18:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/23/23 12:30	10/23/23 15:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		10/18/23 17:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/23/23 19:22		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/23/23 19:22		
Alkalinity, Total as CaCO3	ND	mg/L	5.0	5.0	1		10/23/23 19:22		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-LF5-8-FB-04 Lab ID: 92693493010 Collected: 10/13/23 12:30 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		10/18/23 15:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 15:07	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		10/18/23 15:07	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-29 Lab ID: 92693496001 Collected: 10/11/23 16:20 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Potassium	0.84	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 07:13	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 07:13	7440-23-5	
Iron	0.25	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 05:29	7439-89-6	
Manganese	0.043	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 05:29	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 05:29	7440-66-6	
Calcium	28.1	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 05:29	7440-70-2	
Magnesium	16.0	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 05:29	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0012J	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 14:53	7440-36-0	B
Arsenic	0.00092J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 14:53	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 14:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 14:53	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 14:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 14:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 14:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 14:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 14:53	7440-50-8	
Lead	0.00021J	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 14:53	7439-92-1	
Lithium	0.0031J	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:06	7439-93-2	
Molybdenum	0.0067J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 14:53	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 14:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 14:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 14:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 14:53	7440-28-0	
Vanadium	0.00077J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 14:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 10:41	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	148	mg/L	25.0	25.0	1		10/17/23 19:35		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	5.0	1		10/20/23 14:09		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:09		
Alkalinity, Total as CaCO3	142	mg/L	5.0	5.0	1		10/20/23 14:09		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-29 Lab ID: 92693496001 Collected: 10/11/23 16:20 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		10/18/23 15:51	16887-00-6	
Fluoride	0.069J	mg/L	0.10	0.050	1		10/18/23 15:51	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		10/18/23 15:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-31 Lab ID: 92693496002 Collected: 10/11/23 14:20 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	31.1	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 05:34	7440-70-2	M1
Iron	0.97	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 05:34	7439-89-6	
Magnesium	24.4	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 05:34	7439-95-4	M1
Manganese	0.30	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 05:34	7439-96-5	
Potassium	1.2	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 07:18	7440-09-7	B
Sodium	2.1	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 07:18	7440-23-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 05:34	7440-66-6	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0010J	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:09	7440-36-0	B
Arsenic	0.0061	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:09	7440-38-2	
Barium	0.085	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:09	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:09	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:09	7440-47-3	
Cobalt	0.00046J	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:09	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:09	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:09	7439-92-1	
Lithium	0.0035J	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:18	7439-93-2	
Molybdenum	0.017	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:09	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:09	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:09	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:09	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:09	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:09	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 10:52	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	120	mg/L	25.0	25.0	1		10/17/23 19:35		D6
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	5.0	1		10/20/23 14:28		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:28		
Alkalinity, Total as CaCO3	188	mg/L	5.0	5.0	1		10/20/23 14:28		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-31 Lab ID: 92693496002 Collected: 10/11/23 14:20 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		10/18/23 16:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 16:06	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		10/18/23 16:06	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-31R Lab ID: 92693496003 Collected: 10/11/23 13:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.71	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 07:34	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 07:34	7440-23-5	
Iron	0.16	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:06	7439-89-6	
Manganese	0.022J	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:06	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:06	7440-66-6	
Calcium	37.2	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:06	7440-70-2	
Magnesium	20.4	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:13	7440-36-0	
Arsenic	0.0010J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:13	7440-38-2	
Barium	0.021	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:13	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:13	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:23	7439-93-2	
Molybdenum	0.0020J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:13	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:13	7440-28-0	
Vanadium	0.00089J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 10:55	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	200	mg/L	25.0	25.0	1		10/17/23 19:36		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	176	mg/L	5.0	5.0	1		10/20/23 14:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:40		
Alkalinity, Total as CaCO3	176	mg/L	5.0	5.0	1		10/20/23 14:40		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-31R Lab ID: 92693496003 Collected: 10/11/23 13:00 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		10/18/23 16:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 16:21	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		10/18/23 16:21	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-33R **Lab ID: 92693496004** Collected: 10/11/23 12:18 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.18	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:11	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:11	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:11	7440-66-6	
Potassium	0.44J	mg/L	0.50	0.15	1	11/01/23 13:07	11/03/23 06:11	7440-09-7	
Calcium	29.3	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:11	7440-70-2	
Magnesium	12.3	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:11	7439-95-4	
Sodium	2.1	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 07:39	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:17	7440-36-0	
Arsenic	0.0010J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:17	7440-38-2	
Barium	0.0013J	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:17	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:17	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:17	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:17	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:27	7439-93-2	
Molybdenum	0.00063J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:17	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:17	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:17	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:17	7440-28-0	
Vanadium	0.00091J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:17	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 10:57	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	144	mg/L	25.0	25.0	1		10/17/23 19:36		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	131	mg/L	5.0	5.0	1		10/20/23 14:51		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 14:51		
Alkalinity, Total as CaCO3	131	mg/L	5.0	5.0	1		10/20/23 14:51		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-33R Lab ID: 92693496004 Collected: 10/11/23 12:18 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		10/18/23 16:36	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 16:36	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		10/18/23 16:36	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-57	Lab ID: 92693496005	Collected: 10/10/23 14:48	Received: 10/16/23 08:38	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	0.26	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:16	7439-89-6	
Manganese	0.37	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:16	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:16	7440-66-6	
Potassium	0.50J	mg/L	0.50	0.15	1	11/01/23 13:07	11/03/23 06:16	7440-09-7	
Calcium	33.1	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:16	7440-70-2	
Magnesium	19.2	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:16	7439-95-4	
Sodium	2.4	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 07:44	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:21	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:21	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:21	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:21	7440-47-3	
Cobalt	0.0012J	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:21	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:21	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:31	7439-93-2	
Molybdenum	0.00073J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:21	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:21	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	166	mg/L	25.0	25.0	1		10/17/23 19:33		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	5.0	1		10/18/23 21:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/18/23 21:40		
Alkalinity, Total as CaCO3	171	mg/L	5.0	5.0	1		10/18/23 21:40		M1

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWA-57 Lab ID: 92693496005 Collected: 10/10/23 14:48 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.4	mg/L	1.0	0.60	1		10/18/23 16:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 16:51	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		10/18/23 16:51	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-26 Lab ID: 92693496006 Collected: 10/12/23 10:10 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Iron	ND	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:21	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:21	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:21	7440-66-6	
Calcium	36.7	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:21	7440-70-2	
Magnesium	15.9	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:21	7439-95-4	
Potassium	0.98	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:00	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:00	7440-23-5	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:34	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:34	7440-41-7	
Boron	0.017J	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:34	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:34	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:34	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:35	7439-93-2	
Molybdenum	0.0016J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:34	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:34	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:34	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:34	7440-28-0	
Vanadium	0.0011J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:34	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:08	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	192	mg/L	25.0	25.0	1		10/18/23 17:28		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	147	mg/L	5.0	5.0	1		10/20/23 22:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 22:24		
Alkalinity, Total as CaCO3	147	mg/L	5.0	5.0	1		10/20/23 22:24		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-26 Lab ID: 92693496006 Collected: 10/12/23 10:10 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		10/18/23 17:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 17:35	16984-48-8	
Sulfate	16.5	mg/L	1.0	0.50	1		10/18/23 17:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-27 Lab ID: 92693496007 Collected: 10/12/23 11:40 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Potassium	0.86	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:05	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:05	7440-23-5	
Iron	0.091	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:26	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:26	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:26	7440-66-6	
Calcium	34.3	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:26	7440-70-2	
Magnesium	17.9	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:26	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:38	7440-36-0	
Arsenic	0.0010J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:38	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:38	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:38	7440-47-3	
Cobalt	0.00035J	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:38	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:50	7439-93-2	
Molybdenum	0.0014J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:38	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:38	7440-28-0	
Vanadium	0.00083J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:38	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:10	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	191	mg/L	25.0	25.0	1		10/18/23 17:29		
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2320B Alkalinity

Analytical Method: SM 2320B-2011
Pace Analytical Services - Asheville

Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	5.0	1		10/20/23 22:35		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 22:35		
Alkalinity, Total as CaCO3	142	mg/L	5.0	5.0	1		10/20/23 22:35		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-27 Lab ID: 92693496007 Collected: 10/12/23 11:40 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		10/18/23 17:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 17:50	16984-48-8	
Sulfate	21.1	mg/L	1.0	0.50	1		10/18/23 17:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-27R Lab ID: 92693496008 Collected: 10/12/23 13:45 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.84	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:10	7440-09-7	
Sodium	5.8	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:10	7440-23-5	
Iron	0.20	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:31	7439-89-6	
Manganese	0.049	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:31	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:31	7440-66-6	
Calcium	29.9	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:31	7440-70-2	
Magnesium	16.1	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:31	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00075J	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:42	7440-36-0	B
Arsenic	0.0015J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:42	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:42	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:42	7440-48-4	
Copper	0.0011J	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:42	7440-50-8	
Lead	0.00018J	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:42	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:54	7439-93-2	
Molybdenum	0.0055J	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:42	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:42	7440-28-0	
Vanadium	0.0013J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:13	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	195	mg/L	25.0	25.0	1		10/18/23 17:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	5.0	1		10/20/23 22:54		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 22:54		
Alkalinity, Total as CaCO3	148	mg/L	5.0	5.0	1		10/20/23 22:54		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-27R Lab ID: 92693496008 Collected: 10/12/23 13:45 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		10/18/23 18:04	16887-00-6	
Fluoride	0.062J	mg/L	0.10	0.050	1		10/18/23 18:04	16984-48-8	
Sulfate	2.8	mg/L	1.0	0.50	1		10/18/23 18:04	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-28 Lab ID: 92693496009 Collected: 10/12/23 16:10 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	1.0	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:15	7440-09-7	
Sodium	6.1	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:15	7440-23-5	
Iron	0.053	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:42	7439-89-6	
Manganese	0.049	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:42	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:42	7440-66-6	
Calcium	30.4	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:42	7440-70-2	
Magnesium	17.5	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:46	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:46	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:46	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:46	7440-47-3	
Cobalt	0.00038J	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:46	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:46	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:46	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 15:58	7439-93-2	
Molybdenum	0.022	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:46	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:46	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:46	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:46	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:16	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	155	mg/L	25.0	25.0	1		10/18/23 17:29		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	150	mg/L	5.0	5.0	1		10/20/23 23:04		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/20/23 23:04		
Alkalinity, Total as CaCO3	150	mg/L	5.0	5.0	1		10/20/23 23:04		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-28 Lab ID: 92693496009 Collected: 10/12/23 16:10 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.5	mg/L	1.0	0.60	1		10/18/23 18:50	16887-00-6	
Fluoride	0.058J	mg/L	0.10	0.050	1		10/18/23 18:50	16984-48-8	
Sulfate	9.0	mg/L	1.0	0.50	1		10/18/23 18:50	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-29R Lab ID: 92693496010 Collected: 10/13/23 09:58 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	0.86	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:20	7440-09-7	
Sodium	2.2	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:20	7440-23-5	
Iron	ND	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:47	7439-89-6	
Manganese	0.014J	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:47	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:47	7440-66-6	
Calcium	32.3	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:47	7440-70-2	
Magnesium	17.4	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:47	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00079J	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:50	7440-36-0	B
Arsenic	0.0013J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:50	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:50	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:50	7439-92-1	
Lithium	0.0019J	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 16:02	7439-93-2	
Molybdenum	0.018	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:50	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:50	7440-28-0	
Vanadium	0.00081J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:50	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:18	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	150	mg/L	25.0	25.0	1		10/18/23 17:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	5.0	1		10/23/23 19:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/23/23 19:26		
Alkalinity, Total as CaCO3	146	mg/L	5.0	5.0	1		10/23/23 19:26		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-29R Lab ID: 92693496010 Collected: 10/13/23 09:58 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		10/18/23 19:05	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 19:05	16984-48-8	
Sulfate	5.2	mg/L	1.0	0.50	1		10/18/23 19:05	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-30 Lab ID: 92693496011 Collected: 10/13/23 11:08 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Potassium	1.2	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:25	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:25	7440-23-5	
Iron	0.026J	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 06:52	7439-89-6	
Manganese	ND	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 06:52	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 06:52	7440-66-6	
Calcium	40.8	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 06:52	7440-70-2	
Magnesium	20.7	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 06:52	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:54	7440-36-0	
Arsenic	0.00093J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:54	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:54	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:54	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:54	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:54	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:54	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:54	7439-92-1	
Lithium	ND	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 16:06	7439-93-2	
Molybdenum	0.028	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:54	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:54	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:54	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:54	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:54	7440-28-0	
Vanadium	0.0012J	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:54	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:21	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	195	mg/L	25.0	25.0	1		10/18/23 17:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	5.0	1		10/23/23 19:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/23/23 19:36		
Alkalinity, Total as CaCO3	182	mg/L	5.0	5.0	1		10/23/23 19:36		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-30 Lab ID: 92693496011 Collected: 10/13/23 11:08 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.0	mg/L	1.0	0.60	1		10/18/23 19:20	16887-00-6	
Fluoride	0.059J	mg/L	0.10	0.050	1		10/18/23 19:20	16984-48-8	
Sulfate	5.7	mg/L	1.0	0.50	1		10/18/23 19:20	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-32 Lab ID: 92693496012 Collected: 10/13/23 10:45 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Iron	2.0	mg/L	0.040	0.025	1	11/01/23 13:07	11/03/23 07:08	7439-89-6	
Manganese	0.16	mg/L	0.040	0.011	1	11/01/23 13:07	11/03/23 07:08	7439-96-5	
Zinc	ND	mg/L	0.020	0.0085	1	11/01/23 13:07	11/03/23 07:08	7440-66-6	
Calcium	47.3	mg/L	1.0	0.12	1	11/01/23 13:07	11/03/23 07:08	7440-70-2	
Magnesium	23.8	mg/L	0.050	0.012	1	11/01/23 13:07	11/03/23 07:08	7439-95-4	
Potassium	1.3	mg/L	0.50	0.15	1	11/01/23 13:07	11/07/23 08:30	7440-09-7	
Sodium	3.1	mg/L	1.0	0.58	1	11/01/23 13:07	11/07/23 08:30	7440-23-5	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00054	1	10/27/23 12:10	10/30/23 15:58	7440-36-0	
Arsenic	0.0042J	mg/L	0.0050	0.00084	1	10/27/23 12:10	10/30/23 15:58	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00047	1	10/27/23 12:10	10/30/23 15:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000094	1	10/27/23 12:10	10/30/23 15:58	7440-41-7	
Boron	ND	mg/L	0.040	0.012	1	10/27/23 12:10	10/30/23 15:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00010	1	10/27/23 12:10	10/30/23 15:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0019	1	10/27/23 12:10	10/30/23 15:58	7440-47-3	
Cobalt	0.00070J	mg/L	0.0050	0.00032	1	10/27/23 12:10	10/30/23 15:58	7440-48-4	
Copper	ND	mg/L	0.0050	0.00043	1	10/27/23 12:10	10/30/23 15:58	7440-50-8	
Lead	ND	mg/L	0.0010	0.00016	1	10/27/23 12:10	10/30/23 15:58	7439-92-1	
Lithium	0.019J	mg/L	0.030	0.0016	1	10/27/23 12:10	11/22/23 16:10	7439-93-2	
Molybdenum	0.022	mg/L	0.010	0.00062	1	10/27/23 12:10	10/30/23 15:58	7439-98-7	
Nickel	ND	mg/L	0.0050	0.0021	1	10/27/23 12:10	10/30/23 15:58	7440-02-0	
Selenium	ND	mg/L	0.0050	0.00096	1	10/27/23 12:10	10/30/23 15:58	7782-49-2	
Silver	ND	mg/L	0.0050	0.00031	1	10/27/23 12:10	10/30/23 15:58	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00038	1	10/27/23 12:10	10/30/23 15:58	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00075	1	10/27/23 12:10	10/30/23 15:58	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	10/26/23 12:00	10/27/23 11:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	238	mg/L	25.0	25.0	1		10/18/23 17:34		
2320B Alkalinity									
Analytical Method: SM 2320B-2011									
Pace Analytical Services - Asheville									
Alkalinity,Bicarbonate (CaCO3)	234	mg/L	5.0	5.0	1		10/23/23 23:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	5.0	1		10/23/23 23:49		
Alkalinity, Total as CaCO3	234	mg/L	5.0	5.0	1		10/23/23 23:49		

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ANALYTICAL RESULTS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Sample: BOW-GWC-32 Lab ID: 92693496012 Collected: 10/13/23 10:45 Received: 10/16/23 08:38 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.3	mg/L	1.0	0.60	1		10/18/23 19:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		10/18/23 19:34	16984-48-8	
Sulfate	2.6	mg/L	1.0	0.50	1		10/18/23 19:34	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 810230 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006

METHOD BLANK: 4194836 Matrix: Water
 Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	11/02/23 22:58	
Iron	mg/L	ND	0.040	0.025	11/02/23 22:58	
Magnesium	mg/L	ND	0.050	0.012	11/02/23 22:58	
Manganese	mg/L	ND	0.040	0.011	11/02/23 22:58	
Potassium	mg/L	ND	0.50	0.15	11/02/23 22:58	
Sodium	mg/L	ND	1.0	0.58	11/02/23 22:58	
Zinc	mg/L	ND	0.020	0.0085	11/02/23 22:58	

LABORATORY CONTROL SAMPLE: 4194837

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	104	80-120	
Iron	mg/L	1	1.1	109	80-120	
Magnesium	mg/L	1	1.1	109	80-120	
Manganese	mg/L	1	1.0	103	80-120	
Potassium	mg/L	1	1.1	114	80-120	
Sodium	mg/L	1	1.0	100	80-120	
Zinc	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4194838 4194839

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92693364021 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	38500 ug/L	1	1	38.1	38.6	-31	11	75-125	1	20 M1
Iron	mg/L	63.1 ug/L	1	1	1.1	1.1	108	108	75-125	0	20
Magnesium	mg/L	21900 ug/L	1	1	22.3	22.5	36	63	75-125	1	20 M1
Manganese	mg/L	ND	1	1	1.0	1.0	102	100	75-125	1	20
Potassium	mg/L	908 ug/L	1	1	2.0	2.0	108	105	75-125	1	20
Sodium	mg/L	1030 ug/L	1	1	2.0	2.1	100	103	75-125	1	20
Zinc	mg/L	ND	1	1	1.0	1.0	102	101	75-125	1	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch:	810263	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92693493007, 92693493008, 92693493009, 92693493010, 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012		

METHOD BLANK:	4195164	Matrix:	Water
Associated Lab Samples:	92693493007, 92693493008, 92693493009, 92693493010, 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	11/03/23 04:47	
Iron	mg/L	ND	0.040	0.025	11/03/23 04:47	
Magnesium	mg/L	ND	0.050	0.012	11/03/23 04:47	
Manganese	mg/L	ND	0.040	0.011	11/03/23 04:47	
Potassium	mg/L	0.17J	0.50	0.15	11/07/23 06:58	
Sodium	mg/L	ND	1.0	0.58	11/03/23 04:47	
Zinc	mg/L	ND	0.020	0.0085	11/03/23 04:47	

LABORATORY CONTROL SAMPLE: 4195165						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.98J	98	80-120	
Iron	mg/L	1	0.97	97	80-120	
Magnesium	mg/L	1	0.99	99	80-120	
Manganese	mg/L	1	1.0	102	80-120	
Potassium	mg/L	1	1.0	103	80-120	
Sodium	mg/L	1	1.0	103	80-120	
Zinc	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4195166											4195167		
Parameter	Units	92693496002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Calcium	mg/L	31.1	1	1	32.6	31.9	150	74	75-125	2	20	M1	
Iron	mg/L	0.97	1	1	1.9	1.9	97	97	75-125	0	20		
Magnesium	mg/L	24.4	1	1	25.6	25.0	126	66	75-125	2	20	M1	
Manganese	mg/L	0.30	1	1	1.3	1.3	100	100	75-125	0	20		
Potassium	mg/L	1.2	1	1	2.1	2.2	95	104	75-125	4	20		
Sodium	mg/L	2.1	1	1	3.1	3.1	105	104	75-125	0	20		
Zinc	mg/L	ND	1	1	1.0	1.0	100	101	75-125	1	20		

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch:	809002	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020 MET
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006, 92693493007, 92693493008, 92693493009, 92693493010		

METHOD BLANK:	4189094	Matrix:	Water
Associated Lab Samples:	92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006, 92693493007, 92693493008, 92693493009, 92693493010		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00054	10/30/23 17:27	
Arsenic	mg/L	ND	0.0050	0.00084	10/30/23 17:27	
Barium	mg/L	ND	0.0050	0.00047	10/30/23 17:27	
Beryllium	mg/L	ND	0.00050	0.000094	10/30/23 17:27	
Boron	mg/L	ND	0.040	0.012	10/30/23 17:27	
Cadmium	mg/L	ND	0.00050	0.00010	10/30/23 17:27	
Chromium	mg/L	ND	0.0050	0.0019	10/30/23 17:27	
Cobalt	mg/L	ND	0.0050	0.00032	10/30/23 17:27	
Copper	mg/L	ND	0.0050	0.00043	10/30/23 17:27	
Lead	mg/L	ND	0.0010	0.00016	10/30/23 17:27	
Lithium	mg/L	ND	0.030	0.0016	11/22/23 13:30	
Molybdenum	mg/L	ND	0.010	0.00062	10/30/23 17:27	
Nickel	mg/L	ND	0.0050	0.0021	10/30/23 17:27	
Selenium	mg/L	ND	0.0050	0.00096	10/30/23 17:27	
Silver	mg/L	ND	0.0050	0.00031	10/30/23 17:27	
Thallium	mg/L	ND	0.0010	0.00038	10/30/23 17:27	
Vanadium	mg/L	ND	0.010	0.00075	10/30/23 17:27	

LABORATORY CONTROL SAMPLE: 4189095						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	106	80-120	
Arsenic	mg/L	0.1	0.10	105	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.11	114	80-120	
Boron	mg/L	1	1.1	107	80-120	
Cadmium	mg/L	0.1	0.11	108	80-120	
Chromium	mg/L	0.1	0.11	106	80-120	
Cobalt	mg/L	0.1	0.11	108	80-120	
Copper	mg/L	0.1	0.11	110	80-120	
Lead	mg/L	0.1	0.11	109	80-120	
Lithium	mg/L	0.1	0.11	106	80-120	
Molybdenum	mg/L	0.1	0.11	110	80-120	
Nickel	mg/L	0.1	0.11	108	80-120	
Selenium	mg/L	0.1	0.11	105	80-120	
Silver	mg/L	0.1	0.11	106	80-120	
Thallium	mg/L	0.1	0.10	105	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

LABORATORY CONTROL SAMPLE: 4189095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vanadium	mg/L	0.1	0.11	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4189096 4189097

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		92693493001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	103	75-125	0	20	
Arsenic	mg/L	0.00095J	0.1	0.1	0.10	0.10	102	100	75-125	2	20	
Barium	mg/L	0.020	0.1	0.1	0.12	0.13	104	105	75-125	0	20	
Beryllium	mg/L	0.00023J	0.1	0.1	0.093	0.093	93	93	75-125	0	20	
Boron	mg/L	ND	1	1	0.99	0.98	98	97	75-125	1	20	
Cadmium	mg/L	0.00021J	0.1	0.1	0.10	0.10	101	102	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	101	105	75-125	3	20	
Cobalt	mg/L	0.00032J	0.1	0.1	0.10	0.10	102	104	75-125	3	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.10	100	103	75-125	3	20	
Lead	mg/L	0.00019J	0.1	0.1	0.10	0.10	102	103	75-125	1	20	
Lithium	mg/L	ND	0.1	0.1	0.11	0.10	105	105	75-125	0	20	
Molybdenum	mg/L	0.0019J	0.1	0.1	0.11	0.11	106	107	75-125	1	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	105	105	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Vanadium	mg/L	0.0014J	0.1	0.1	0.11	0.11	105	106	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 809330 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012

METHOD BLANK: 4190785 Matrix: Water
 Associated Lab Samples: 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.0017J	0.0030	0.00054	10/30/23 14:45	
Arsenic	mg/L	ND	0.0050	0.00084	10/30/23 14:45	
Barium	mg/L	ND	0.0050	0.00047	10/30/23 14:45	
Beryllium	mg/L	ND	0.00050	0.000094	10/30/23 14:45	
Boron	mg/L	ND	0.040	0.012	10/30/23 14:45	
Cadmium	mg/L	ND	0.00050	0.00010	10/30/23 14:45	
Chromium	mg/L	ND	0.0050	0.0019	10/30/23 14:45	
Cobalt	mg/L	ND	0.0050	0.00032	10/30/23 14:45	
Copper	mg/L	ND	0.0050	0.00043	10/30/23 14:45	
Lead	mg/L	ND	0.0010	0.00016	10/30/23 14:45	
Lithium	mg/L	ND	0.030	0.0016	11/22/23 14:58	
Molybdenum	mg/L	ND	0.010	0.00062	10/30/23 14:45	
Nickel	mg/L	ND	0.0050	0.0021	10/30/23 14:45	
Selenium	mg/L	ND	0.0050	0.00096	10/30/23 14:45	
Silver	mg/L	ND	0.0050	0.00031	10/30/23 14:45	
Thallium	mg/L	ND	0.0010	0.00038	10/30/23 14:45	
Vanadium	mg/L	ND	0.010	0.00075	10/30/23 14:45	

LABORATORY CONTROL SAMPLE: 4190786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	107	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.10	102	80-120	
Copper	mg/L	0.1	0.10	104	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Lithium	mg/L	0.1	0.10	105	80-120	
Molybdenum	mg/L	0.1	0.10	103	80-120	
Nickel	mg/L	0.1	0.10	103	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

LABORATORY CONTROL SAMPLE: 4190786

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vanadium	mg/L	0.1	0.099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4190787 4190788

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
Antimony	mg/L	0.0012J	0.1	0.1	0.10	0.10	102	103	75-125	1	20
Arsenic	mg/L	0.00092J	0.1	0.1	0.10	0.10	104	102	75-125	1	20
Barium	mg/L	0.038	0.1	0.1	0.14	0.15	106	108	75-125	2	20
Beryllium	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	2	20
Boron	mg/L	ND	1	1	1.0	1.1	102	105	75-125	3	20
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	105	103	75-125	2	20
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	104	105	75-125	1	20
Cobalt	mg/L	ND	0.1	0.1	0.11	0.11	105	108	75-125	3	20
Copper	mg/L	ND	0.1	0.1	0.10	0.11	105	105	75-125	1	20
Lead	mg/L	0.00021J	0.1	0.1	0.10	0.10	105	104	75-125	1	20
Lithium	mg/L	0.0031J	0.1	0.1	0.11	0.11	108	109	75-125	1	20
Molybdenum	mg/L	0.0067J	0.1	0.1	0.12	0.12	109	109	75-125	0	20
Nickel	mg/L	ND	0.1	0.1	0.10	0.11	105	106	75-125	1	20
Selenium	mg/L	ND	0.1	0.1	0.10	0.099	101	98	75-125	3	20
Silver	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20
Thallium	mg/L	ND	0.1	0.1	0.11	0.11	105	106	75-125	1	20
Vanadium	mg/L	0.00077J	0.1	0.1	0.11	0.11	106	108	75-125	2	20

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 808146 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006, 92693493007, 92693493008, 92693493009, 92693493010

METHOD BLANK: 4184430 Matrix: Water
 Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006, 92693493007, 92693493008, 92693493009, 92693493010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	10/23/23 14:11	

LABORATORY CONTROL SAMPLE: 4184431

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4184432 4184433

Parameter	Units	92693117009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0022	0.0019	87	74	75-125	16	20	M1

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 809016 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012

METHOD BLANK: 4189151 Matrix: Water
 Associated Lab Samples: 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	10/27/23 10:36	

LABORATORY CONTROL SAMPLE: 4189152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4189153 4189154

Parameter	Units	92693496001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0023	93	92	75-125	1	20	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 806866

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006, 92693493007, 92693496001, 92693496002, 92693496003, 92693496004, 92693496005

METHOD BLANK: 4178076

Matrix: Water

Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693493005, 92693493006, 92693493007, 92693496001, 92693496002, 92693496003, 92693496004, 92693496005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/17/23 19:32	

LABORATORY CONTROL SAMPLE: 4178077

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	468	117	80-120	

SAMPLE DUPLICATE: 4178078

Parameter	Units	92693493005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	134	124	8	10	

SAMPLE DUPLICATE: 4178079

Parameter	Units	92693496002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	120	97.0	21	10 D6	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 807225

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92693493008, 92693493009, 92693493010, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012

METHOD BLANK: 4179844

Matrix: Water

Associated Lab Samples: 92693493008, 92693493009, 92693493010, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	10/18/23 17:26	

LABORATORY CONTROL SAMPLE: 4179845

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	402	100	80-120	

SAMPLE DUPLICATE: 4179846

Parameter	Units	92693216008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	246	252	2	10	

SAMPLE DUPLICATE: 4179847

Parameter	Units	92693493010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 807251

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92693493005, 92693493006, 92693493007, 92693496005

METHOD BLANK: 4180068

Matrix: Water

Associated Lab Samples: 92693493005, 92693493006, 92693493007, 92693496005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	10/18/23 19:10	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/18/23 19:10	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	10/18/23 19:10	

LABORATORY CONTROL SAMPLE: 4180069

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	49.8	100	80-120	

LABORATORY CONTROL SAMPLE: 4180070

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.6	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4180071 4180072

Parameter	Units	92693493007		4180071		4180072		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Alkalinity, Total as CaCO3	mg/L	ND	ND	50	50	50.2	50.2	100	100	80-120	0	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4180073 4180074

Parameter	Units	92693496005		4180073		4180074		% Rec Limits	RPD	Max RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					MS % Rec
Alkalinity, Total as CaCO3	mg/L	171	171	50	50	230	238	119	135	80-120	3	25 M1

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 807816

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693496001, 92693496002, 92693496003, 92693496004

METHOD BLANK: 4182938

Matrix: Water

Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004, 92693496001, 92693496002, 92693496003, 92693496004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	10/20/23 11:29	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/20/23 11:29	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	10/20/23 11:29	

LABORATORY CONTROL SAMPLE: 4182939

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

LABORATORY CONTROL SAMPLE: 4182940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4182943 4182944

Parameter	Units	4182943		4182944		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	17.5	50	50	69.0	69.1	103	103	80-120	0	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4183232 4183233

Parameter	Units	4183232		4183233		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Alkalinity, Total as CaCO3	mg/L	173	50	50	230	230	114	114	80-120	0	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 807943

Analysis Method: SM 2320B-2011

QC Batch Method: SM 2320B-2011

Analysis Description: 2320B Alkalinity

Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92693493008, 92693493009, 92693496006, 92693496007, 92693496008, 92693496009

METHOD BLANK: 4183579

Matrix: Water

Associated Lab Samples: 92693493008, 92693493009, 92693496006, 92693496007, 92693496008, 92693496009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	10/20/23 20:06	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/20/23 20:06	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	10/20/23 20:06	

LABORATORY CONTROL SAMPLE: 4183580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.4	101	80-120	

LABORATORY CONTROL SAMPLE: 4183581

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	50.7	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4183582 4183583

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Alkalinity, Total as CaCO3	mg/L	<5.0	50	50	50.9	51.3	101	102	80-120	1	25

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4183584 4183585

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result						
Alkalinity, Total as CaCO3	mg/L	23.3	50	50	71.9	72.0	97	97	80-120	0	25

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 808144 Analysis Method: SM 2320B-2011
 QC Batch Method: SM 2320B-2011 Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92693493010, 92693496010, 92693496011, 92693496012

METHOD BLANK: 4184417 Matrix: Water
 Associated Lab Samples: 92693493010, 92693496010, 92693496011, 92693496012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	5.0	10/23/23 16:51	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	5.0	10/23/23 16:51	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	5.0	10/23/23 16:51	

LABORATORY CONTROL SAMPLE: 4184418

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.1	102	80-120	

LABORATORY CONTROL SAMPLE: 4184419

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Alkalinity, Total as CaCO3	mg/L	50	51.2	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4184420 4184421

Parameter	Units	4184420		4184421		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Alkalinity, Total as CaCO3	mg/L	39.4	50	50	82.5	80.8	86	83	80-120	2	25	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4184422 4184423

Parameter	Units	4184422		4184423		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
Alkalinity, Total as CaCO3	mg/L	36.7	50	50	86.9	85.3	100	97	80-120	2	25	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch: 807171 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004

METHOD BLANK: 4179571 Matrix: Water
 Associated Lab Samples: 92693493001, 92693493002, 92693493003, 92693493004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/18/23 14:50	
Fluoride	mg/L	ND	0.10	0.050	10/18/23 14:50	
Sulfate	mg/L	ND	1.0	0.50	10/18/23 14:50	

LABORATORY CONTROL SAMPLE: 4179572

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.5	101	90-110	
Sulfate	mg/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4179573 4179574

Parameter	Units	92693734002		4179573		4179574		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	96.4	96.4	50	50	130	131	68	69	90-110	0	10	M1
Fluoride	mg/L	0.50	0.50	2.5	2.5	3.0	3.0	100	101	90-110	1	10	
Sulfate	mg/L	37.2	37.2	50	50	85.7	86.3	97	98	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4179575 4179576

Parameter	Units	92693557010		4179575		4179576		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	7.6	7.6	50	50	58.2	58.7	101	102	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.6	2.6	102	103	90-110	1	10	
Sulfate	mg/L	43.6	43.6	50	50	92.2	92.7	97	98	90-110	1	10	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

QC Batch:	807172	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92693493005, 92693493006, 92693493007, 92693493008, 92693493009, 92693493010, 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012		

METHOD BLANK:	4179577	Matrix:	Water
Associated Lab Samples:	92693493005, 92693493006, 92693493007, 92693493008, 92693493009, 92693493010, 92693496001, 92693496002, 92693496003, 92693496004, 92693496005, 92693496006, 92693496007, 92693496008, 92693496009, 92693496010, 92693496011, 92693496012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/18/23 12:56	
Fluoride	mg/L	ND	0.10	0.050	10/18/23 12:56	
Sulfate	mg/L	ND	1.0	0.50	10/18/23 12:56	

LABORATORY CONTROL SAMPLE:	4179578					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.3	92	90-110	
Sulfate	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4179579			4179580								
Parameter	Units	92693493005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	4.8	50	50	54.0	54.6	98	100	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	102	104	90-110	2	10	
Sulfate	mg/L	0.99J	50	50	51.0	51.6	100	101	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	4179581			4179582								
Parameter	Units	92693496005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	3.4	50	50	52.8	53.6	99	100	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	106	108	90-110	2	10	
Sulfate	mg/L	1.5	50	50	51.4	52.2	100	101	90-110	1	10	

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QUALIFIERS

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92693493001	BOW-GWA-35	EPA 3010A	810230	EPA 6010D	810317
92693493002	BOW-LF5-8-FD-01	EPA 3010A	810230	EPA 6010D	810317
92693493003	BOW-LF5-8-FB-02	EPA 3010A	810230	EPA 6010D	810317
92693493004	BOW-LF5-8-EB-01	EPA 3010A	810230	EPA 6010D	810317
92693493005	BOW-GWA-34	EPA 3010A	810230	EPA 6010D	810317
92693493006	BOW-GWA-34R	EPA 3010A	810230	EPA 6010D	810317
92693493007	BOW-LF5-8-FB-01	EPA 3010A	810263	EPA 6010D	810360
92693493008	BOW-LF5-8-FD-02	EPA 3010A	810263	EPA 6010D	810360
92693493009	BOW-LF5-8-FB-03	EPA 3010A	810263	EPA 6010D	810360
92693493010	BOW-LF5-8-FB-04	EPA 3010A	810263	EPA 6010D	810360
92693496001	BOW-GWC-29	EPA 3010A	810263	EPA 6010D	810360
92693496002	BOW-GWC-31	EPA 3010A	810263	EPA 6010D	810360
92693496003	BOW-GWC-31R	EPA 3010A	810263	EPA 6010D	810360
92693496004	BOW-GWA-33R	EPA 3010A	810263	EPA 6010D	810360
92693496005	BOW-GWA-57	EPA 3010A	810263	EPA 6010D	810360
92693496006	BOW-GWC-26	EPA 3010A	810263	EPA 6010D	810360
92693496007	BOW-GWC-27	EPA 3010A	810263	EPA 6010D	810360
92693496008	BOW-GWC-27R	EPA 3010A	810263	EPA 6010D	810360
92693496009	BOW-GWC-28	EPA 3010A	810263	EPA 6010D	810360
92693496010	BOW-GWC-29R	EPA 3010A	810263	EPA 6010D	810360
92693496011	BOW-GWC-30	EPA 3010A	810263	EPA 6010D	810360
92693496012	BOW-GWC-32	EPA 3010A	810263	EPA 6010D	810360
92693493001	BOW-GWA-35	EPA 3005A	809002	EPA 6020B	809144
92693493002	BOW-LF5-8-FD-01	EPA 3005A	809002	EPA 6020B	809144
92693493003	BOW-LF5-8-FB-02	EPA 3005A	809002	EPA 6020B	809144
92693493004	BOW-LF5-8-EB-01	EPA 3005A	809002	EPA 6020B	809144
92693493005	BOW-GWA-34	EPA 3005A	809002	EPA 6020B	809144
92693493006	BOW-GWA-34R	EPA 3005A	809002	EPA 6020B	809144
92693493007	BOW-LF5-8-FB-01	EPA 3005A	809002	EPA 6020B	809144
92693493008	BOW-LF5-8-FD-02	EPA 3005A	809002	EPA 6020B	809144
92693493009	BOW-LF5-8-FB-03	EPA 3005A	809002	EPA 6020B	809144
92693493010	BOW-LF5-8-FB-04	EPA 3005A	809002	EPA 6020B	809144
92693496001	BOW-GWC-29	EPA 3005A	809330	EPA 6020B	809491
92693496002	BOW-GWC-31	EPA 3005A	809330	EPA 6020B	809491
92693496003	BOW-GWC-31R	EPA 3005A	809330	EPA 6020B	809491
92693496004	BOW-GWA-33R	EPA 3005A	809330	EPA 6020B	809491
92693496005	BOW-GWA-57	EPA 3005A	809330	EPA 6020B	809491
92693496006	BOW-GWC-26	EPA 3005A	809330	EPA 6020B	809491
92693496007	BOW-GWC-27	EPA 3005A	809330	EPA 6020B	809491
92693496008	BOW-GWC-27R	EPA 3005A	809330	EPA 6020B	809491
92693496009	BOW-GWC-28	EPA 3005A	809330	EPA 6020B	809491
92693496010	BOW-GWC-29R	EPA 3005A	809330	EPA 6020B	809491
92693496011	BOW-GWC-30	EPA 3005A	809330	EPA 6020B	809491
92693496012	BOW-GWC-32	EPA 3005A	809330	EPA 6020B	809491
92693493001	BOW-GWA-35	EPA 7470A	808146	EPA 7470A	808193
92693493002	BOW-LF5-8-FD-01	EPA 7470A	808146	EPA 7470A	808193
92693493003	BOW-LF5-8-FB-02	EPA 7470A	808146	EPA 7470A	808193

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92693493004	BOW-LF5-8-EB-01	EPA 7470A	808146	EPA 7470A	808193
92693493005	BOW-GWA-34	EPA 7470A	808146	EPA 7470A	808193
92693493006	BOW-GWA-34R	EPA 7470A	808146	EPA 7470A	808193
92693493007	BOW-LF5-8-FB-01	EPA 7470A	808146	EPA 7470A	808193
92693493008	BOW-LF5-8-FD-02	EPA 7470A	808146	EPA 7470A	808193
92693493009	BOW-LF5-8-FB-03	EPA 7470A	808146	EPA 7470A	808193
92693493010	BOW-LF5-8-FB-04	EPA 7470A	808146	EPA 7470A	808193
92693496001	BOW-GWC-29	EPA 7470A	809016	EPA 7470A	809344
92693496002	BOW-GWC-31	EPA 7470A	809016	EPA 7470A	809344
92693496003	BOW-GWC-31R	EPA 7470A	809016	EPA 7470A	809344
92693496004	BOW-GWA-33R	EPA 7470A	809016	EPA 7470A	809344
92693496005	BOW-GWA-57	EPA 7470A	809016	EPA 7470A	809344
92693496006	BOW-GWC-26	EPA 7470A	809016	EPA 7470A	809344
92693496007	BOW-GWC-27	EPA 7470A	809016	EPA 7470A	809344
92693496008	BOW-GWC-27R	EPA 7470A	809016	EPA 7470A	809344
92693496009	BOW-GWC-28	EPA 7470A	809016	EPA 7470A	809344
92693496010	BOW-GWC-29R	EPA 7470A	809016	EPA 7470A	809344
92693496011	BOW-GWC-30	EPA 7470A	809016	EPA 7470A	809344
92693496012	BOW-GWC-32	EPA 7470A	809016	EPA 7470A	809344
92693493001	BOW-GWA-35	SM 2540C-2015	806866		
92693493002	BOW-LF5-8-FD-01	SM 2540C-2015	806866		
92693493003	BOW-LF5-8-FB-02	SM 2540C-2015	806866		
92693493004	BOW-LF5-8-EB-01	SM 2540C-2015	806866		
92693493005	BOW-GWA-34	SM 2540C-2015	806866		
92693493006	BOW-GWA-34R	SM 2540C-2015	806866		
92693493007	BOW-LF5-8-FB-01	SM 2540C-2015	806866		
92693493008	BOW-LF5-8-FD-02	SM 2540C-2015	807225		
92693493009	BOW-LF5-8-FB-03	SM 2540C-2015	807225		
92693493010	BOW-LF5-8-FB-04	SM 2540C-2015	807225		
92693496001	BOW-GWC-29	SM 2540C-2015	806866		
92693496002	BOW-GWC-31	SM 2540C-2015	806866		
92693496003	BOW-GWC-31R	SM 2540C-2015	806866		
92693496004	BOW-GWA-33R	SM 2540C-2015	806866		
92693496005	BOW-GWA-57	SM 2540C-2015	806866		
92693496006	BOW-GWC-26	SM 2540C-2015	807225		
92693496007	BOW-GWC-27	SM 2540C-2015	807225		
92693496008	BOW-GWC-27R	SM 2540C-2015	807225		
92693496009	BOW-GWC-28	SM 2540C-2015	807225		
92693496010	BOW-GWC-29R	SM 2540C-2015	807225		
92693496011	BOW-GWC-30	SM 2540C-2015	807225		
92693496012	BOW-GWC-32	SM 2540C-2015	807225		
92693493001	BOW-GWA-35	SM 2320B-2011	807816		
92693493002	BOW-LF5-8-FD-01	SM 2320B-2011	807816		
92693493003	BOW-LF5-8-FB-02	SM 2320B-2011	807816		
92693493004	BOW-LF5-8-EB-01	SM 2320B-2011	807816		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 BG Event #3

Pace Project No.: 92693493

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92693493005	BOW-GWA-34	SM 2320B-2011	807251		
92693493006	BOW-GWA-34R	SM 2320B-2011	807251		
92693493007	BOW-LF5-8-FB-01	SM 2320B-2011	807251		
92693493008	BOW-LF5-8-FD-02	SM 2320B-2011	807943		
92693493009	BOW-LF5-8-FB-03	SM 2320B-2011	807943		
92693493010	BOW-LF5-8-FB-04	SM 2320B-2011	808144		
92693496001	BOW-GWC-29	SM 2320B-2011	807816		
92693496002	BOW-GWC-31	SM 2320B-2011	807816		
92693496003	BOW-GWC-31R	SM 2320B-2011	807816		
92693496004	BOW-GWA-33R	SM 2320B-2011	807816		
92693496005	BOW-GWA-57	SM 2320B-2011	807251		
92693496006	BOW-GWC-26	SM 2320B-2011	807943		
92693496007	BOW-GWC-27	SM 2320B-2011	807943		
92693496008	BOW-GWC-27R	SM 2320B-2011	807943		
92693496009	BOW-GWC-28	SM 2320B-2011	807943		
92693496010	BOW-GWC-29R	SM 2320B-2011	808144		
92693496011	BOW-GWC-30	SM 2320B-2011	808144		
92693496012	BOW-GWC-32	SM 2320B-2011	808144		
92693493001	BOW-GWA-35	EPA 300.0 Rev 2.1 1993	807171		
92693493002	BOW-LF5-8-FD-01	EPA 300.0 Rev 2.1 1993	807171		
92693493003	BOW-LF5-8-FB-02	EPA 300.0 Rev 2.1 1993	807171		
92693493004	BOW-LF5-8-EB-01	EPA 300.0 Rev 2.1 1993	807171		
92693493005	BOW-GWA-34	EPA 300.0 Rev 2.1 1993	807172		
92693493006	BOW-GWA-34R	EPA 300.0 Rev 2.1 1993	807172		
92693493007	BOW-LF5-8-FB-01	EPA 300.0 Rev 2.1 1993	807172		
92693493008	BOW-LF5-8-FD-02	EPA 300.0 Rev 2.1 1993	807172		
92693493009	BOW-LF5-8-FB-03	EPA 300.0 Rev 2.1 1993	807172		
92693493010	BOW-LF5-8-FB-04	EPA 300.0 Rev 2.1 1993	807172		
92693496001	BOW-GWC-29	EPA 300.0 Rev 2.1 1993	807172		
92693496002	BOW-GWC-31	EPA 300.0 Rev 2.1 1993	807172		
92693496003	BOW-GWC-31R	EPA 300.0 Rev 2.1 1993	807172		
92693496004	BOW-GWA-33R	EPA 300.0 Rev 2.1 1993	807172		
92693496005	BOW-GWA-57	EPA 300.0 Rev 2.1 1993	807172		
92693496006	BOW-GWC-26	EPA 300.0 Rev 2.1 1993	807172		
92693496007	BOW-GWC-27	EPA 300.0 Rev 2.1 1993	807172		
92693496008	BOW-GWC-27R	EPA 300.0 Rev 2.1 1993	807172		
92693496009	BOW-GWC-28	EPA 300.0 Rev 2.1 1993	807172		
92693496010	BOW-GWC-29R	EPA 300.0 Rev 2.1 1993	807172		
92693496011	BOW-GWC-30	EPA 300.0 Rev 2.1 1993	807172		
92693496012	BOW-GWC-32	EPA 300.0 Rev 2.1 1993	807172		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92693493

Courier: Fed Ex UPS USPS Client Commercial Pace Other:



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 10-16-23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer:

IR Gun ID: 083

Type of Ice: Wet Blue None

Cooler Temp: 5.4 Correction Factor: 0.0 Add/Subtract (°C)

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: WG			
Headspace in VDA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BD15 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92693493

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFLU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9B-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	VJGR (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG9U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Screw-Off vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	2	1	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	/	/	/	/
2	/	2	1	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	/	/	/	/
3	/	2	1	/	2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	2	/	/	/	/
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6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/B015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92693493

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4L-125 mL Plastic Unpreserved (N/A) (C-1)													
BP3U-250 mL Plastic Unpreserved (N/A)		2	1										
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (C-1)													
BP3H-250 mL plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic 2N Acetate & NaOH (S-9)													
BP4B-125 mL Plastic NaOH (pH > 12) (C-1)													
WG7U-Wide-mouthed Glass jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (C-1)													
AG1H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-1)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
DG94-40 mL Amber NH4Cl (N/A)(C-1)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG9V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Plastic Unpreserved (N/A)													
V/GK (3 vials per kit)-VPH/Gas kit (N/A)													
SP5T-125 mL Sterile Plastic (N/A - lab)													
SP2T-250 mL Sterile Plastic (N/A - lab)													
BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)													
AGDU-100 mL Amber Unpreserved (N/A) (C-1)													
V50U-20 mL Scintillation vials (N/A)													
DG9U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



Effective Date: 11/14/2022

WO# : 92693493

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Acceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BOIS (water) DOC, LPHg

*Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (M42)2504 (pH 3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
1		2	1			2																								
2																														
3																														
4																														
5																														
6																														
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8																														
9																														
10																														
11																														
12																														

BPZN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92693496

Courier: Fed Ex UPS USPS Client Commercial Pace Other:



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 11-16-23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 5.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WO	
Headspace in VOA Vials (>5-8mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/80:5 (water) DOC, L/Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92693496

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)													
BP3U-250 mL Plastic Unpreserved (N/A)		2	1										
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)													
BP3N-250 mL plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic 2N Acetate & NaOH (+/-)													
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)													
WGFU-Wide-mouthed Glass Jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG1H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
DG94-40 mL Amber MHA/Cl (N/A)(Cl-)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG9V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Plastic Unpreserved (N/A)													
V/GK (3 vials per kit)-VPH/Gas kit (N/A)													
SP5T-125 mL Sterile Plastic (N/A - lab)													
SP2T-250 mL Sterile Plastic (N/A - lab)													
BP3R-250 mL Plastic (NH4)2SO4 (9.3-9.7)													
AG0U-100 mL Amber Unpreserved (N/A) (Cl-)													
VSGU-20 mL Scintillation vials (N/A)													
DG9U-40 mL Amber Unpreserved vials (N/A)													

BPZIN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/BD15 (water) DOC, LHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92693496

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)													
BP2U-250 mL Plastic Unpreserved (N/A)		21											
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)			2										
BP3N-250 mL plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)													
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)													
W6FU-Wide-mouthed Glass jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG1H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
DG94-40 mL Amber MH4Cl (N/A)(Cl-)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG9V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Plastic Unpreserved (N/A)													
V/GK 13 vials per kit-VPH/Gas kit (N/A)													
SP9T-125 mL Sterile Plastic (N/A - lat)													
SP2T-250 mL Sterile Plastic (N/A - lat)													
BP4R-250 mL Plastic (NH4)2SO4 (9.3-9.7)													
AG6U-100 mL Amber Unpreserved (N/A) (Cl-)													
VSGU-10 mL Scintillation vials (N/A)													
DG9U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO# : 92693496

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG5T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1			2																							
2		2	1			2																							
3		2	1			2																							
4		2	1			2																							
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

BPIN

2
2
2
2

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO# : 92693496

Project #

PM: BV

Due Date: 10/30/23

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3M-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9M-40 mL Amber NaMCl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U 50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3B-250 mL Plastic (NH2)2SO4 (pH 3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
1		2	1			2																								
2		2	1			2																								
3		2	1			2																								
4						2																								
5																														
6																														
7																														
8																														
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12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

DATA USABILITY SUMMARY

Steven Elliott (Stantec) reviewed two data packages from Pace Analytical for the analysis of water samples collected from October 10 to October 13, 2023, at the Georgia Power Bowen Plant site. Samples were collected according to the Groundwater Sampling Plan – Plant Bowen (WSP, 2022).

Analyses requested included:

- SW-846 6020B – Total Metals by inductively coupled plasma - mass spectrometry (ICP/MS)
- SW-846 6020B – Dissolved Metals (Fe & Mn) by ICP/MS
- SW-846 7470A – Mercury by manual cold-vapor
- EPA 300 Rev 2.1 – Chloride, fluoride, and sulfate by ion chromatography
- SM 2540C - 2015 – Total dissolved solids (TDS)
- SM 2320B – Alkalinity, Total and Bicarbonate
- EPA Method 9320 – Radium 228
- EPA Method 9315 – Radium 226

Data were reviewed and validated as described in the field sampling plan and the *National Functional Guidelines for Inorganic Superfund Methods Data Review* (November 2020). The results of the review/validation are discussed in this Data Usability Summary (DUS) and the associated Laboratory Data Review Checklists.

DATA REVIEW/VALIDATION RESULTS

Introduction

Fifteen (15) groundwater samples, five (5) field blanks, and two (2) field duplicate samples were analyzed for one or more of the analyses listed above. Table 1 lists the field identifications cross-referenced to laboratory identifications. Table 2 is a summary of qualified data. Tables 3a and 3b summarize field duplicate results.

Analytical Results

The data packages contain a minimum of one quality control batch per analytical method analyzed. The quality control batch identifies the laboratory QC samples that correspond to the designated field samples. Not detected results are reported as less than the value of the minimum detectable concentration (MDC).

Preservation and Holding Times

The samples were evaluated for agreement with the chain-of-custody forms. The samples were received in the appropriate containers with the paperwork filled out properly. The laboratory sample condition upon receipt forms indicates all samples were received at a temperature of 5.9°C. All samples were analyzed within the technical holding time. No data were qualified.

Calibrations

Case narratives indicate Initial and continuing calibration verification data were within method acceptance criteria.

Blanks

Laboratory Method Blanks. No contamination was detected in any of the laboratory method blanks with the following exceptions:

SDG 92693493

- Potassium was detected in the method blank in batch 810263 (0.17J mg/L) at concentrations below the laboratory reporting limit (RL). Associated sample results reported with concentrations less than 10 times the blank concentration have been qualified as estimated with a high bias, “J+”.
- Antimony was detected in the method blank in batch 809330 (0.0017J mg/L) at concentrations below the laboratory RL. All associated sample results were reported with concentrations less than the blank concentration and have been qualified as estimated not detected, “UJ”.

Field Blanks. Field blanks were analyzed for the full suite of sample analyses and all analytes were not detected with the following exceptions:

SDG 92693493

- Field blanks BOW-L5-8-FB-01, BOW-L5-8-FB-02, BOW-L5-8-FB-03, BOW-L5-8-FB-04, and BOW-L5-8-EB-01 had all results reported as not detected.

SDG 92693501

- Field blanks BOW-L5-8-FB-01, BOW-L5-8-FB-02, BOW-L5-8-FB-04, and BOW-L5-8-EB-01 had all results reported as not detected.
- Radium-228 was detected in the field blank BOW-LF5-8-FB-03 (0.724 pCi/L) at concentrations above the laboratory Minimum Detectable Concentration (MDC). All associated samples were reported as not detected and therefore no qualification was necessary.

Laboratory Control Samples

Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries were not applicable to these analyses.

Matrix Spike/Matrix Spike Duplicates

Site-specific MS/MSD precision and accuracy results were within the laboratory acceptance criteria with the following exceptions:

SDG 92693493

- Calcium and magnesium in sample BOW-GWC-31 had low MS/MSD % recoveries. The spiking concentrations were less than 30% of the sample concentration and therefore not appropriate for evaluation.
- Alkalinity in sample BOW-GWA-57 had a high MSD % recovery. The spiking concentration was less than 30% of the sample concentration and therefore not appropriate for evaluation.

Laboratory Duplicates

Appropriate analytical duplicates were analyzed and RPDs were within the laboratory acceptance criteria with the following exception:

SDG 92693493

- TDS had a high laboratory duplicate RPD for sample BOW-GWC-31 and has been qualified as estimated, “J”.

Field Precision

Two sets of field duplicate samples were collected for this sampling event (see Tables 3a and b for sample/duplicate identification and precision calculations). The calculated RPDs between sample and duplicate were within the QAPP acceptance criteria of 25% for all analytes detected above five times the RL or MDC. For results reported less than five times the RL or MDC, with a difference between sample and duplicate less than two times the RL or MDC are also considered acceptable (qualified “A*”). All field duplicate precision were considered acceptable.

Summary

The groundwater analytical data are usable for the purpose of determining current concentrations of COCs in this medium at the affected property. A summary of qualified data is presented in Table 2 below.

References:

WSP, 2022. Bowen Groundwater Sampling Plan. September.

United States Environmental Protection Agency (USEPA), 2011. Region IV Data Validation Standard Operating Procedures. September.

United State Environmental Protection Agency (USEPA), 2020. National Functional Guidelines for Superfund Inorganic Methods Data Review. November.

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Table 1 – Cross-Reference between Laboratory and Field Identifications

Field Identification	Laboratory Identification	SDG	Analyses	Sample Date
BOW-GWA-35	92693493001	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 10:30
BOW-LF5-8-FD-01	92693493002	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 00:00
BOW-LF5-8-FB-02	92693493003	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 16:28
BOW-LF5-8-EB-01	92693493004	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 16:34
BOW-GWA-34	92693493005	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/10/23 17:00
BOW-GWA-34R	92693493006	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/10/23 11:45
BOW-LF5-8-FB-01	92693493007	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/10/23 18:06
BOW-LF5-8-FD-02	92693493008	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/12/23 00:00
BOW-LF5-8-FB-03	92693493009	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/12/23 17:12
BOW-LF5-8-FB-04	92693493010	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/13/23 12:30
BOW-GWC-29	92693496001	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 16:20
BOW-GWC-31	92693496002	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 14:20
BOW-GWC-31R	92693496003	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 13:00
BOW-GWA-33R	92693496004	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/11/23 12:18
BOW-GWA-57	92693496005	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/10/23 14:48
BOW-GWC-26	92693496006	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/12/23 10:10
BOW-GWC-27	92693496007	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/12/23 11:40
BOW-GWC-27R	92693496008	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/12/23 13:45
BOW-GWC-28	92693496009	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/12/23 16:10
BOW-GWC-29R	92693496010	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/13/23 09:58
BOW-GWC-30	92693496011	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/13/23 11:08
BOW-GWC-32	92693496012	92693493	300, 7470, 6020B, 6010B, 2540C, 2320B	10/13/23 10:45
BOW-GWA-35	92693501001	92693501	9315, 9320	10/11/23 10:30
BOW-LF5-8-FD-01	92693501002	92693501	9315, 9320	10/11/23 00:00
BOW-LF5-8-FB-02	92693501003	92693501	9315, 9320	10/11/23 16:28
BOW-LF5-8-EB-01	92693501004	92693501	9315, 9320	10/11/23 16:34
BOW-GWA-34	92693501005	92693501	9315, 9320	10/10/23 17:00
BOW-GWA-34R	92693501006	92693501	9315, 9320	10/10/23 11:45
BOW-LF5-8-FB-01	92693501007	92693501	9315, 9320	10/10/23 18:06
BOW-LF5-8-FD-02	92693501008	92693501	9315, 9320	10/12/23 00:00
BOW-LF5-8-FB-03	92693501009	92693501	9315, 9320	10/12/23 17:12
BOW-LF5-8-FB-04	92693501010	92693501	9315, 9320	10/13/23 12:30
BOW-GWC-29	92693498001	92693501	9315, 9320	10/11/23 16:20
BOW-GWC-31	92693498002	92693501	9315, 9320	10/11/23 14:20
BOW-GWC-31R	92693498003	92693501	9315, 9320	10/11/23 13:00
BOW-GWA-33R	92693498004	92693501	9315, 9320	10/11/23 12:18
BOW-GWA-57	92693498005	92693501	9315, 9320	10/10/23 14:48
BOW-GWC-26	92693498006	92693501	9315, 9320	10/12/23 10:10
BOW-GWC-27	92693498007	92693501	9315, 9320	10/12/23 11:40
BOW-GWC-27R	92693498008	92693501	9315, 9320	10/12/23 13:45
BOW-GWC-28	92693498009	92693501	9315, 9320	10/12/23 16:10
BOW-GWC-29R	92693498010	92693501	9315, 9320	10/13/23 09:58
BOW-GWC-30	92693498011	92693501	9315, 9320	10/13/23 11:08
BOW-GWC-32	92693498012	92693501	9315, 9320	10/13/23 10:45

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Table 2 – Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
BOW-GWA-33R	Potassium	J+ / BLL	Detected in MB
BOW-GWA-57	Potassium	J+ / BLL	Detected in MB
BOW-GWC-26	Potassium	J+ / BLL	Detected in MB
BOW-GWC-27	Potassium	J+ / BLL	Detected in MB
BOW-GWC-27R	Potassium	J+ / BLL	Detected in MB
BOW-GWC-28	Potassium	J+ / BLL	Detected in MB
BOW-GWC-29	Potassium	J+ / BLL	Detected in MB
BOW-GWC-29R	Potassium	J+ / BLL	Detected in MB
BOW-GWC-30	Potassium	J+ / BLL	Detected in MB
BOW-GWC-31	Potassium	J+ / BLL	Detected in MB
BOW-GWC-31R	Potassium	J+ / BLL	Detected in MB
BOW-GWC-32	Potassium	J+ / BLL	Detected in MB
BOW-LF5-8-FD-02	Potassium	J+ / BLL	Detected in MB
BOW-GWC-27R	Antimony	UJ / BLL	Detected in MB, result<blank
BOW-GWC-29	Antimony	UJ / BLL	Detected in MB, result<blank
BOW-GWC-29R	Antimony	UJ / BLL	Detected in MB, result<blank
BOW-GWC-31	Antimony	UJ / BLL	Detected in MB, result<blank
BOW-GWC-31	TDS	J / LD1	High lab dup RPD

BEL - detected in the equipment blank less than the RL.

BEH - detected in the equipment blank above the RL.

BFL - detected in the field blank less than the RL.

BFH - detected in the field blank above the RL.

BLL - detected in lab blank less than the RL.

LD1 – Lab duplicate RPD does not meet quality control criteria

J – Estimated data

J+ –Estimated data with a high bias.

UJ – The analyte was analyzed for but was detected at a level below the associated blank contamination or method blank was detected above the sample result.

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Table 3a – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWA-35 / BOW-L5-8- FD-01	Sulfate	5.8	5.8	0.0%	A
	Chloride	4.6	4.6	0.0%	A
	Fluoride	0.055 J	0.055 J	<5*RL, <2*RL	A*
	Arsenic	0.00095 J	0.00091 J	<5*RL, <2*RL	A*
	Barium	0.020	0.020	0.0%	A
	Beryllium	0.00023 J	ND	NC	-
	Cobalt	0.00032 J	ND	NC	-
	Molybdenum	0.0019 J	0.0017 J	<5*RL, <2*RL	A*
	Calcium	44.8	45.2	0.9%	A
	Vanadium	0.0014 J	0.0011 J	<5*RL, <2*RL	A*
	Lead	0.00019 J	ND	NC	-
	Magnesium	26.5	26.7	0.8%	A
	Potassium	2.1	1.8	15.4%	A
	Sodium	3.8	3.7	2.7%	A
	Manganese	0.023 J	0.023 J	<5*RL, <2*RL	A*
	TDS	224	231	3.1%	A
	Total Alkalinity	216	220	1.8%	A
	Bicarbonate	216	220	1.8%	A

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RL and the difference between sample and duplicate was less than 2X the RL.

J – Estimated detected.

ND – not detected

NC – not calculated

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Table 3b – Field Precision

Field Identification	Analyte	Sample Result (mg/L)	Duplicate Result (mg/L)	RPD ^a	Qualified
BOW-GWA-28 / BOW-L5-8- FD-02	Sulfate	9.0	9.1	1.1%	A
	Chloride	3.5	3.4	<5*RL, <2*RL	A*
	Fluoride	0.058 J	0.059 J	<5*RL, <2*RL	A*
	Arsenic	0.0012 J	0.0010 J	<5*RL, <2*RL	A*
	Barium	0.011	0.012	8.7%	A
	Cobalt	0.00038 J	0.00036 J	<5*RL, <2*RL	A*
	Molybdenum	0.022	0.019	14.6%	A
	Calcium	30.4	28.8	5.4%	A
	Iron	0.053	0.057	7.3%	A
	Magnesium	17.5	16.5	5.9%	A
	Potassium	1.0	0.89	11.6%	A
	Sodium	6.1	5.5	10.3%	A
	Manganese	0.049	0.046	6.3%	A
	TDS	155	148	4.6%	A
	Total Alkalinity	150	148	1.3%	A
Bicarbonate	150	148	1.3%	A	

^a RPD = ((SR - DR)*200)/(SR + DR)

A - Acceptable Data.

A* - Acceptable data where results were less than 5X the RL and the difference between sample and duplicate was less than 2X the RL.



November 28, 2023

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241 Ralph McGill Blvd
NE, Bin 10160
Atlanta, GA 30308

RE: Project: Bowen LF Cells 5-8 BG #3-RAD
Pace Project No.: 92693501

Dear Kristen Jurinko:

Enclosed are the analytical results for sample(s) received by the laboratory on October 16, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Greensburg

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Bonnie Vang
bonnie.vang@pacelabs.com
704-977-0968
Project Manager

Enclosures

cc: Carole Lieu, Stantec
Laura Midkiff, Southern Co.
Edgar Smith, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Pace Analytical Services Pennsylvania

1638 Roseytown Rd Suites 2,3&4, Greensburg, PA 15601

ANAB DOD-ELAP Rad Accreditation #: L2417

ANABISO/IEC 17025:2017 Rad Cert#: L24170

Alabama Certification #: 41590

Arizona Certification #: AZ0734

Arkansas Certification

California Certification #: 2950

Colorado Certification #: PA01547

Connecticut Certification #: PH-0694

EPA Region 4 DW Rad

Florida/TNI Certification #: E87683

Georgia Certification #: C040

Guam Certification

Hawaii Certification

Idaho Certification

Illinois Certification

Indiana Certification

Iowa Certification #: 391

Kansas Certification #: E-10358

Kentucky Certification #: KY90133

KY WW Permit #: KY0098221

KY WW Permit #: KY0000221

Louisiana DHH/TNI Certification #: LA010

Louisiana DEQ/TNI Certification #: 04086

Maine Certification #: 2023021

Maryland Certification #: 308

Massachusetts Certification #: M-PA1457

Michigan/PADEP Certification #: 9991

Missouri Certification #: 235

Montana Certification #: Cert0082

Nebraska Certification #: NE-OS-29-14

Nevada Certification #: PA014572023-03

New Hampshire/TNI Certification #: 297622

New Jersey/TNI Certification #: PA051

New Mexico Certification #: PA01457

New York/TNI Certification #: 10888

North Carolina Certification #: 42706

North Dakota Certification #: R-190

Ohio EPA Rad Approval: #41249

Oregon/TNI Certification #: PA200002-015

Pennsylvania/TNI Certification #: 65-00282

Puerto Rico Certification #: PA01457

Rhode Island Certification #: 65-00282

South Dakota Certification

Tennessee Certification #: TN02867

Texas/TNI Certification #: T104704188-22-18

Utah/TNI Certification #: PA014572223-14

USDA Soil Permit #: 525-23-67-77263

Vermont Dept. of Health: ID# VT-0282

Virgin Island/PADEP Certification

Virginia/VELAP Certification #: 460198

Washington Certification #: C868

West Virginia DEP Certification #: 143

West Virginia DHHR Certification #: 9964C

Wisconsin Approve List for Rad

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92693501001	BOW-GWA-35	Water	10/11/23 10:30	10/16/23 08:38
92693501002	BOW-LF5-8-FD-01	Water	10/11/23 00:00	10/16/23 08:38
92693501003	BOW-LF5-8-FB-02	Water	10/11/23 16:28	10/16/23 08:38
92693501004	BOW-LF5-8-EB-01	Water	10/11/23 16:34	10/16/23 08:38
92693501005	BOW-GWA-34	Water	10/10/23 17:00	10/16/23 08:38
92693501006	BOW-GWA-34R	Water	10/10/23 11:45	10/16/23 08:38
92693501007	BOW-LF5-8-FB-01	Water	10/10/23 18:06	10/16/23 08:38
92693501008	BOW-LF5-8-FD-02	Water	10/12/23 00:00	10/16/23 08:38
92693501009	BOW-LF5-8-FB-03	Water	10/12/23 17:12	10/16/23 08:38
92693501010	BOW-LF5-8-FB-04	Water	10/13/23 12:30	10/16/23 08:38
92693498001	BOW-GWC-29	Water	10/11/23 16:20	10/16/23 08:38
92693498002	BOW-GWC-31	Water	10/11/23 14:20	10/16/23 08:38
92693498003	BOW-GWC-31R	Water	10/11/23 13:00	10/16/23 08:38
92693498004	BOW-GWA-33R	Water	10/11/23 12:18	10/16/23 08:38
92693498005	BOW-GWA-57	Water	10/10/23 14:48	10/16/23 08:38
92693498006	BOW-GWC-26	Water	10/12/23 10:10	10/16/23 08:38
92693498007	BOW-GWC-27	Water	10/12/23 11:40	10/16/23 08:38
92693498008	BOW-GWC-27R	Water	10/12/23 13:45	10/16/23 08:38
92693498009	BOW-GWC-28	Water	10/12/23 16:10	10/16/23 08:38
92693498010	BOW-GWC-29R	Water	10/13/23 09:58	10/16/23 08:38
92693498011	BOW-GWC-30	Water	10/13/23 11:08	10/16/23 08:38
92693498012	BOW-GWC-32	Water	10/13/23 10:45	10/16/23 08:38

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92693501001	BOW-GWA-35	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501002	BOW-LF5-8-FD-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501003	BOW-LF5-8-FB-02	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501004	BOW-LF5-8-EB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501005	BOW-GWA-34	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501006	BOW-GWA-34R	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501007	BOW-LF5-8-FB-01	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501008	BOW-LF5-8-FD-02	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501009	BOW-LF5-8-FB-03	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693501010	BOW-LF5-8-FB-04	EPA 9315	SLC	1	PASI-PA
		EPA 9320	VAL	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693498001	BOW-GWC-29	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693498002	BOW-GWC-31	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693498003	BOW-GWC-31R	EPA 9315	SLC	1	PASI-PA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92693498004	BOW-GWA-33R	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
92693498005	BOW-GWA-57	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693498006	BOW-GWC-26	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92693498007	BOW-GWC-27	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
92693498008	BOW-GWC-27R	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693498009	BOW-GWC-28	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
92693498010	BOW-GWC-29R	EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
92693498011	BOW-GWC-30	Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
92693498012	BOW-GWC-32	EPA 9315	SLC	1	PASI-PA
		EPA 9320	ZPC	1	PASI-PA
		Total Radium Calculation	JAL	1	PASI-PA
		EPA 9315	SLC	1	PASI-PA

PASI-PA = Pace Analytical Services - Greensburg

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693501001	BOW-GWA-35					
EPA 9315	Radium-226	0.206U ± 0.131 (0.212)	pCi/L		11/13/23 09:54	
EPA 9320	Radium-228	C:91% T:NA 0.0838U ± 0.316 (0.717)	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	C:85% T:75% 0.290U ± 0.447 (0.929)	pCi/L		11/13/23 14:41	
92693501002	BOW-LF5-8-FD-01					
EPA 9315	Radium-226	0.140U ± 0.120 (0.229)	pCi/L		11/13/23 09:54	
EPA 9320	Radium-228	C:89% T:NA 0.205U ± 0.310 (0.669)	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	C:80% T:78% 0.345U ± 0.430 (0.898)	pCi/L		11/13/23 14:41	
92693501003	BOW-LF5-8-FB-02					
EPA 9315	Radium-226	0.0477U ± 0.106 (0.249)	pCi/L		11/13/23 09:54	
EPA 9320	Radium-228	C:92% T:NA 0.137U ± 0.310 (0.690)	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	C:81% T:74% 0.185U ± 0.416 (0.939)	pCi/L		11/13/23 14:41	
92693501004	BOW-LF5-8-EB-01					
EPA 9315	Radium-226	-0.0520U ± 0.0461 (0.185)	pCi/L		11/13/23 09:54	
EPA 9320	Radium-228	C:95% T:NA 0.179U ± 0.369 (0.815)	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	C:78% T:73% 0.179U ± 0.415 (1.000)	pCi/L		11/13/23 14:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693501005	BOW-GWA-34					
EPA 9315	Radium-226	0.640 ± 0.222 (0.248) C:89% T:NA	pCi/L		11/13/23 09:55	
EPA 9320	Radium-228	0.733U ± 0.474 (0.915) C:79% T:78%	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	1.37 ± 0.696 (1.16)	pCi/L		11/13/23 14:41	
92693501006	BOW-GWA-34R					
EPA 9315	Radium-226	0.320 ± 0.163 (0.236) C:88% T:NA	pCi/L		11/13/23 09:57	
EPA 9320	Radium-228	0.420U ± 0.382 (0.782) C:84% T:80%	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	0.740U ± 0.545 (1.02)	pCi/L		11/13/23 14:41	
92693501007	BOW-LF5-8-FB-01					
EPA 9315	Radium-226	0.0681U ± 0.122 (0.278) C:86% T:NA	pCi/L		11/13/23 09:55	
EPA 9320	Radium-228	0.483U ± 0.427 (0.871) C:79% T:81%	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	0.551U ± 0.549 (1.15)	pCi/L		11/13/23 14:41	
92693501008	BOW-LF5-8-FD-02					
EPA 9315	Radium-226	0.0543U ± 0.106 (0.245) C:87% T:NA	pCi/L		11/13/23 10:38	
EPA 9320	Radium-228	0.553U ± 0.476 (0.966) C:82% T:73%	pCi/L		11/08/23 12:14	
Total Radium Calculation	Total Radium	0.607U ± 0.582 (1.21)	pCi/L		11/13/23 14:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693501009	BOW-LF5-8-FB-03					
EPA 9315	Radium-226	0.0260U ± 0.0840 (0.208) C:90% T:NA	pCi/L		11/13/23 10:35	
EPA 9320	Radium-228	0.724 ± 0.389 (0.700) C:84% T:85%	pCi/L		11/09/23 12:41	
Total Radium Calculation	Total Radium	0.750U ± 0.473 (0.908)	pCi/L		11/13/23 14:41	
92693501010	BOW-LF5-8-FB-04					
EPA 9315	Radium-226	0.0626U ± 0.105 (0.236) C:90% T:NA	pCi/L		11/13/23 10:35	
EPA 9320	Radium-228	0.144U ± 0.342 (0.761) C:86% T:75%	pCi/L		11/09/23 12:41	
Total Radium Calculation	Total Radium	0.207U ± 0.447 (0.997)	pCi/L		11/13/23 14:41	
92693498001	BOW-GWC-29					
EPA 9315	Radium-226	0.141U ± 0.126 (0.238) C:96% T:NA	pCi/L		11/08/23 18:48	
EPA 9320	Radium-228	0.400U ± 0.332 (0.656) C:80% T:79%	pCi/L		11/08/23 12:12	
Total Radium Calculation	Total Radium	0.541U ± 0.458 (0.894)	pCi/L		11/10/23 13:46	
92693498002	BOW-GWC-31					
EPA 9315	Radium-226	0.190U ± 0.168 (0.331) C:84% T:NA	pCi/L		11/08/23 18:49	
EPA 9320	Radium-228	0.0546U ± 0.285 (0.657) C:76% T:80%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.245U ± 0.453 (0.988)	pCi/L		11/10/23 13:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693498003	BOW-GWC-31R					
EPA 9315	Radium-226	0.141 ± 0.0584 (0.0851) C:92% T:NA	pCi/L		11/08/23 19:13	
EPA 9320	Radium-228	0.497U ± 0.335 (0.630) C:82% T:79%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.638U ± 0.393 (0.715)	pCi/L		11/10/23 13:46	
92693498004	BOW-GWA-33R					
EPA 9315	Radium-226	0.0593U ± 0.138 (0.326) C:81% T:NA	pCi/L		11/09/23 08:31	
EPA 9320	Radium-228	0.169U ± 0.315 (0.691) C:79% T:79%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.228U ± 0.453 (1.02)	pCi/L		11/10/23 13:46	
92693498005	BOW-GWA-57					
EPA 9315	Radium-226	0.168U ± 0.140 (0.257) C:85% T:NA	pCi/L		11/09/23 08:32	
EPA 9320	Radium-228	0.934 ± 0.479 (0.864) C:80% T:82%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	1.10U ± 0.619 (1.12)	pCi/L		11/10/23 13:46	
92693498006	BOW-GWC-26					
EPA 9315	Radium-226	0.135U ± 0.161 (0.341) C:79% T:NA	pCi/L		11/09/23 08:33	
EPA 9320	Radium-228	0.861U ± 0.481 (0.881) C:79% T:77%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.996U ± 0.642 (1.22)	pCi/L		11/10/23 13:46	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693498007	BOW-GWC-27					
EPA 9315	Radium-226	0.0471U ± 0.0927 (0.214) C:89% T:NA	pCi/L		11/09/23 08:33	
EPA 9320	Radium-228	0.368U ± 0.450 (0.955) C:80% T:74%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.415U ± 0.543 (1.17)	pCi/L		11/10/23 13:46	
92693498008	BOW-GWC-27R					
EPA 9315	Radium-226	0.00226U ± 0.115 (0.299) C:94% T:NA	pCi/L		11/09/23 08:33	
EPA 9320	Radium-228	-0.116U ± 0.448 (1.05) C:76% T:76%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.00226U ± 0.563 (1.35)	pCi/L		11/10/23 13:46	
92693498009	BOW-GWC-28					
EPA 9315	Radium-226	0.184U ± 0.156 (0.289) C:76% T:NA	pCi/L		11/09/23 08:38	
EPA 9320	Radium-228	0.298U ± 0.407 (0.872) C:77% T:74%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.482U ± 0.563 (1.16)	pCi/L		11/10/23 13:46	
92693498010	BOW-GWC-29R					
EPA 9315	Radium-226	0.179U ± 0.159 (0.311) C:82% T:NA	pCi/L		11/10/23 08:19	
EPA 9320	Radium-228	0.0323U ± 0.274 (0.634) C:82% T:82%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.211U ± 0.433 (0.945)	pCi/L		11/10/23 13:46	

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SUMMARY OF DETECTION

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92693498011	BOW-GWC-30					
EPA 9315	Radium-226	-0.0170U ± 0.0910 (0.261) C:79% T:NA	pCi/L		11/10/23 08:20	
EPA 9320	Radium-228	0.455U ± 0.356 (0.693) C:76% T:76%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.455U ± 0.447 (0.954)	pCi/L		11/10/23 13:46	
92693498012	BOW-GWC-32					
EPA 9315	Radium-226	0.119U ± 0.120 (0.239) C:87% T:NA	pCi/L		11/10/23 08:20	
EPA 9320	Radium-228	0.159U ± 0.289 (0.633) C:83% T:85%	pCi/L		11/08/23 12:13	
Total Radium Calculation	Total Radium	0.278U ± 0.409 (0.872)	pCi/L		11/10/23 13:46	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWA-35 Lab ID: 92693501001 Collected: 10/11/23 10:30 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.206U ± 0.131 (0.212) C:91% T:NA	pCi/L	11/13/23 09:54	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.0838U ± 0.316 (0.717) C:85% T:75%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.290U ± 0.447 (0.929)	pCi/L	11/13/23 14:41	7440-14-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.140U ± 0.120 (0.229) C:89% T:NA	pCi/L	11/13/23 09:54	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.205U ± 0.310 (0.669) C:80% T:78%	pCi/L	11/08/23 12:14	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.345U ± 0.430 (0.898)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-LF5-8-FB-02	Lab ID: 92693501003	Collected: 10/11/23 16:28	Received: 10/16/23 08:38	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0477U ± 0.106 (0.249) C:92% T:NA	pCi/L	11/13/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.137U ± 0.310 (0.690) C:81% T:74%	pCi/L	11/08/23 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.185U ± 0.416 (0.939)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-LF5-8-EB-01	Lab ID: 92693501004	Collected: 10/11/23 16:34	Received: 10/16/23 08:38	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0520U ± 0.0461 (0.185) C:95% T:NA	pCi/L	11/13/23 09:54	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.179U ± 0.369 (0.815) C:78% T:73%	pCi/L	11/08/23 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.179U ± 0.415 (1.000)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWA-34 Lab ID: 92693501005 Collected: 10/10/23 17:00 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.640 ± 0.222 (0.248) C:89% T:NA	pCi/L	11/13/23 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.733U ± 0.474 (0.915) C:79% T:78%	pCi/L	11/08/23 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	1.37 ± 0.696 (1.16)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.320 ± 0.163 (0.236) C:88% T:NA	pCi/L	11/13/23 09:57	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.420U ± 0.382 (0.782) C:84% T:80%	pCi/L	11/08/23 12:14	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.740U ± 0.545 (1.02)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-LF5-8-FB-01 **Lab ID: 92693501007** Collected: 10/10/23 18:06 Received: 10/16/23 08:38 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0681U ± 0.122 (0.278) C:86% T:NA	pCi/L	11/13/23 09:55	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.483U ± 0.427 (0.871) C:79% T:81%	pCi/L	11/08/23 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.551U ± 0.549 (1.15)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-LF5-8-FD-02	Lab ID: 92693501008	Collected: 10/12/23 00:00	Received: 10/16/23 08:38	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0543U ± 0.106 (0.245) C:87% T:NA	pCi/L	11/13/23 10:38	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.553U ± 0.476 (0.966) C:82% T:73%	pCi/L	11/08/23 12:14	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.607U ± 0.582 (1.21)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-LF5-8-FB-03 **Lab ID: 92693501009** Collected: 10/12/23 17:12 Received: 10/16/23 08:38 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0260U ± 0.0840 (0.208) C:90% T:NA	pCi/L	11/13/23 10:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.724 ± 0.389 (0.700) C:84% T:85%	pCi/L	11/09/23 12:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.750U ± 0.473 (0.908)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-LF5-8-FB-04 **Lab ID: 92693501010** Collected: 10/13/23 12:30 Received: 10/16/23 08:38 Matrix: Water
PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0626U ± 0.105 (0.236) C:90% T:NA	pCi/L	11/13/23 10:35	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.144U ± 0.342 (0.761) C:86% T:75%	pCi/L	11/09/23 12:41	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.207U ± 0.447 (0.997)	pCi/L	11/13/23 14:41	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-29 Lab ID: 92693498001 Collected: 10/11/23 16:20 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.141U ± 0.126 (0.238) C:96% T:NA	pCi/L	11/08/23 18:48	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.400U ± 0.332 (0.656) C:80% T:79%	pCi/L	11/08/23 12:12	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.541U ± 0.458 (0.894)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-31 Lab ID: 92693498002 Collected: 10/11/23 14:20 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.190U ± 0.168 (0.331) C:84% T:NA	pCi/L	11/08/23 18:49	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.0546U ± 0.285 (0.657) C:76% T:80%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.245U ± 0.453 (0.988)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-31R Lab ID: 92693498003 Collected: 10/11/23 13:00 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.141 ± 0.0584 (0.0851) C:92% T:NA	pCi/L	11/08/23 19:13	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.497U ± 0.335 (0.630) C:82% T:79%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.638U ± 0.393 (0.715)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWA-33R Lab ID: 92693498004 Collected: 10/11/23 12:18 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.0593U ± 0.138 (0.326) C:81% T:NA	pCi/L	11/09/23 08:31	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.169U ± 0.315 (0.691) C:79% T:79%	pCi/L	11/08/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.228U ± 0.453 (1.02)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.168U ± 0.140 (0.257) C:85% T:NA	pCi/L	11/09/23 08:32	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.934 ± 0.479 (0.864) C:80% T:82%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	1.10U ± 0.619 (1.12)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.135U ± 0.161 (0.341) C:79% T:NA	pCi/L	11/09/23 08:33	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.861U ± 0.481 (0.881) C:79% T:77%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.996U ± 0.642 (1.22)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-27 Lab ID: 92693498007 Collected: 10/12/23 11:40 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.0471U ± 0.0927 (0.214) C:89% T:NA	pCi/L	11/09/23 08:33	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.368U ± 0.450 (0.955) C:80% T:74%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.415U ± 0.543 (1.17)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-GWC-27R **Lab ID: 92693498008** Collected: 10/12/23 13:45 Received: 10/16/23 08:38 Matrix: Water
 PWS: Site ID: Sample Type:

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.00226U ± 0.115 (0.299) C:94% T:NA	pCi/L	11/09/23 08:33	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	-0.116U ± 0.448 (1.05) C:76% T:76%	pCi/L	11/08/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.00226U ± 0.563 (1.35)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-28 Lab ID: 92693498009 Collected: 10/12/23 16:10 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.184U ± 0.156 (0.289) C:76% T:NA	pCi/L	11/09/23 08:38	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.298U ± 0.407 (0.872) C:77% T:74%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.482U ± 0.563 (1.16)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Sample: BOW-GWC-29R	Lab ID: 92693498010	Collected: 10/13/23 09:58	Received: 10/16/23 08:38	Matrix: Water
PWS:	Site ID:	Sample Type:		

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	0.179U ± 0.159 (0.311) C:82% T:NA	pCi/L	11/10/23 08:19	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.0323U ± 0.274 (0.634) C:82% T:82%	pCi/L	11/08/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.211U ± 0.433 (0.945)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Sample: BOW-GWC-30 Lab ID: 92693498011 Collected: 10/13/23 11:08 Received: 10/16/23 08:38 Matrix: Water PWS: Site ID: Sample Type:						
	Pace Analytical Services - Greensburg					
Radium-226	EPA 9315	-0.0170U ± 0.0910 (0.261) C:79% T:NA	pCi/L	11/10/23 08:20	13982-63-3	
	Pace Analytical Services - Greensburg					
Radium-228	EPA 9320	0.455U ± 0.356 (0.693) C:76% T:76%	pCi/L	11/08/23 12:13	15262-20-1	
	Pace Analytical Services - Greensburg					
Total Radium	Total Radium Calculation	0.455U ± 0.447 (0.954)	pCi/L	11/10/23 13:46	7440-14-4	

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ANALYTICAL RESULTS - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Parameters	Method	Act ± Unc (MDC) Carr Trac	Units	Analyzed	CAS No.	Qual
Pace Analytical Services - Greensburg						
Radium-226	EPA 9315	0.119U ± 0.120 (0.239) C:87% T:NA	pCi/L	11/10/23 08:20	13982-63-3	
Pace Analytical Services - Greensburg						
Radium-228	EPA 9320	0.159U ± 0.289 (0.633) C:83% T:85%	pCi/L	11/08/23 12:13	15262-20-1	
Pace Analytical Services - Greensburg						
Total Radium	Total Radium Calculation	0.278U ± 0.409 (0.872)	pCi/L	11/10/23 13:46	7440-14-4	

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

QC Batch: 626722

Analysis Method: EPA 9320

QC Batch Method: EPA 9320

Analysis Description: 9320 Radium 228

Laboratory: Pace Analytical Services - Greensburg

Associated Lab Samples: 92693501009, 92693501010

METHOD BLANK: 3054986

Matrix: Water

Associated Lab Samples: 92693501009, 92693501010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.624 ± 0.404 (0.766) C:82% T:75%	pCi/L	11/09/23 12:41	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

QC Batch:	626721	Analysis Method:	EPA 9320
QC Batch Method:	EPA 9320	Analysis Description:	9320 Radium 228
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92693498001, 92693498002, 92693498003, 92693498004, 92693498005, 92693498006, 92693498007, 92693498008, 92693498009, 92693498010, 92693498011, 92693498012, 92693501001, 92693501002, 92693501003, 92693501004, 92693501005, 92693501006, 92693501007, 92693501008

METHOD BLANK:	3054979	Matrix:	Water
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Associated Lab Samples: 92693498001, 92693498002, 92693498003, 92693498004, 92693498005, 92693498006, 92693498007, 92693498008, 92693498009, 92693498010, 92693498011, 92693498012, 92693501001, 92693501002, 92693501003, 92693501004, 92693501005, 92693501006, 92693501007, 92693501008

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-228	0.201 ± 0.356 (0.779) C:77% T:79%	pCi/L	11/08/23 12:15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

QC Batch:	625359	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92693501001, 92693501002, 92693501003, 92693501004, 92693501005, 92693501006, 92693501007, 92693501008, 92693501009, 92693501010

METHOD BLANK:	3048605	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 92693501001, 92693501002, 92693501003, 92693501004, 92693501005, 92693501006, 92693501007, 92693501008, 92693501009, 92693501010

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	0.0563 ± 0.105 (0.241) C:89% T:NA	pCi/L	11/13/23 09:53	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL - RADIOCHEMISTRY

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

QC Batch:	625294	Analysis Method:	EPA 9315
QC Batch Method:	EPA 9315	Analysis Description:	9315 Total Radium
		Laboratory:	Pace Analytical Services - Greensburg

Associated Lab Samples: 92693498001, 92693498002, 92693498003, 92693498004, 92693498005, 92693498006, 92693498007, 92693498008, 92693498009, 92693498010, 92693498011, 92693498012

METHOD BLANK:	3048359	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 92693498001, 92693498002, 92693498003, 92693498004, 92693498005, 92693498006, 92693498007, 92693498008, 92693498009, 92693498010, 92693498011, 92693498012

Parameter	Act ± Unc (MDC) Carr Trac	Units	Analyzed	Qualifiers
Radium-226	-0.00514 ± 0.127 (0.337) C:82% T:NA	pCi/L	11/08/23 18:47	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Act - Activity

Unc - Uncertainty: SDWA = 1.96 sigma count uncertainty, all other matrices = Expanded Uncertainty (95% confidence interval).

Gamma Spec = Expanded Uncertainty (95.4% Confidence Interval)

(MDC) - Minimum Detectable Concentration

Trac - Tracer Recovery (%)

Carr - Carrier Recovery (%)

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92693498001	BOW-GWC-29	EPA 9315	625294		
92693498002	BOW-GWC-31	EPA 9315	625294		
92693498003	BOW-GWC-31R	EPA 9315	625294		
92693498004	BOW-GWA-33R	EPA 9315	625294		
92693498005	BOW-GWA-57	EPA 9315	625294		
92693498006	BOW-GWC-26	EPA 9315	625294		
92693498007	BOW-GWC-27	EPA 9315	625294		
92693498008	BOW-GWC-27R	EPA 9315	625294		
92693498009	BOW-GWC-28	EPA 9315	625294		
92693498010	BOW-GWC-29R	EPA 9315	625294		
92693498011	BOW-GWC-30	EPA 9315	625294		
92693498012	BOW-GWC-32	EPA 9315	625294		
92693501001	BOW-GWA-35	EPA 9315	625359		
92693501002	BOW-LF5-8-FD-01	EPA 9315	625359		
92693501003	BOW-LF5-8-FB-02	EPA 9315	625359		
92693501004	BOW-LF5-8-EB-01	EPA 9315	625359		
92693501005	BOW-GWA-34	EPA 9315	625359		
92693501006	BOW-GWA-34R	EPA 9315	625359		
92693501007	BOW-LF5-8-FB-01	EPA 9315	625359		
92693501008	BOW-LF5-8-FD-02	EPA 9315	625359		
92693501009	BOW-LF5-8-FB-03	EPA 9315	625359		
92693501010	BOW-LF5-8-FB-04	EPA 9315	625359		
92693498001	BOW-GWC-29	EPA 9320	626721		
92693498002	BOW-GWC-31	EPA 9320	626721		
92693498003	BOW-GWC-31R	EPA 9320	626721		
92693498004	BOW-GWA-33R	EPA 9320	626721		
92693498005	BOW-GWA-57	EPA 9320	626721		
92693498006	BOW-GWC-26	EPA 9320	626721		
92693498007	BOW-GWC-27	EPA 9320	626721		
92693498008	BOW-GWC-27R	EPA 9320	626721		
92693498009	BOW-GWC-28	EPA 9320	626721		
92693498010	BOW-GWC-29R	EPA 9320	626721		
92693498011	BOW-GWC-30	EPA 9320	626721		
92693498012	BOW-GWC-32	EPA 9320	626721		
92693501001	BOW-GWA-35	EPA 9320	626721		
92693501002	BOW-LF5-8-FD-01	EPA 9320	626721		
92693501003	BOW-LF5-8-FB-02	EPA 9320	626721		
92693501004	BOW-LF5-8-EB-01	EPA 9320	626721		
92693501005	BOW-GWA-34	EPA 9320	626721		
92693501006	BOW-GWA-34R	EPA 9320	626721		
92693501007	BOW-LF5-8-FB-01	EPA 9320	626721		
92693501008	BOW-LF5-8-FD-02	EPA 9320	626721		
92693501009	BOW-LF5-8-FB-03	EPA 9320	626722		
92693501010	BOW-LF5-8-FB-04	EPA 9320	626722		
92693498001	BOW-GWC-29	Total Radium Calculation	628972		
92693498002	BOW-GWC-31	Total Radium Calculation	628972		
92693498003	BOW-GWC-31R	Total Radium Calculation	628972		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 5-8 BG #3-RAD

Pace Project No.: 92693501

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92693498004	BOW-GWA-33R	Total Radium Calculation	628972		
92693498005	BOW-GWA-57	Total Radium Calculation	628972		
92693498006	BOW-GWC-26	Total Radium Calculation	628972		
92693498007	BOW-GWC-27	Total Radium Calculation	628972		
92693498008	BOW-GWC-27R	Total Radium Calculation	628972		
92693498009	BOW-GWC-28	Total Radium Calculation	628972		
92693498010	BOW-GWC-29R	Total Radium Calculation	628972		
92693498011	BOW-GWC-30	Total Radium Calculation	628972		
92693498012	BOW-GWC-32	Total Radium Calculation	628972		
92693501001	BOW-GWA-35	Total Radium Calculation	629350		
92693501002	BOW-LF5-8-FD-01	Total Radium Calculation	629350		
92693501003	BOW-LF5-8-FB-02	Total Radium Calculation	629350		
92693501004	BOW-LF5-8-EB-01	Total Radium Calculation	629350		
92693501005	BOW-GWA-34	Total Radium Calculation	629350		
92693501006	BOW-GWA-34R	Total Radium Calculation	629350		
92693501007	BOW-LF5-8-FB-01	Total Radium Calculation	629350		
92693501008	BOW-LF5-8-FD-02	Total Radium Calculation	629350		
92693501009	BOW-LF5-8-FB-03	Total Radium Calculation	629350		
92693501010	BOW-LF5-8-FB-04	Total Radium Calculation	629350		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: GA Power

Project: WO#: 92693501



Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 11-16-23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 683 Type of Ice: Wet Blue None

Cooler Temp: 5.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix:	WG		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:



Effective Date: 11/14/2022

WO#: 92693501

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 11/13/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/BO15 (water) DOC, L.Hg

CLIENT: 92-GP-BOWLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP7U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WG7U-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9H-40 mL Amber NH4Cl (N/A) (Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Np25O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit) VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG9U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
1		2	1		X	X	X	X																						
2		2	1		X	X	X	X																						
3		2	1		X	X	X	X																						
4		2	1		X	X	X	X																						
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92693501

PM: BV

Due Date: 11/13/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: 92-GP-BOWLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>6)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WG9U-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPHU/Gas kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG1U-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Sterilization vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1			2																							
2		2	1			2																							
3		2	1			2																							
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers).



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/sub/pacs-standard-forms.pdf>.

Section A
Turned Client Information:
Agency: Georgia Power
Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Phone: (470) 211-9900
Standard Due Date: Standard

Section B
Required Project Information:
Report To: Khris Jirico, Cecily Sutherland
Copy To: Laura McMill, Ben Hodges, Mia Smiley
Project Name: Bowen LF Cells 3-4 Background Event #2
Project #: 10850-4

Section C
Invoice Information:
Attention: Georgia Power
Company Name: Georgia Power
Address: 241 Ralph McGill Blvd, NE, Atlanta, GA 30308
Pace Order: GPC02474-0097
Pace Project Manager: bostina.wong@pacelabs.com
Pace Profile #: 10850-4

Section D
Regulatory Agency: Georgia
State / Location: GA

SAMPLE ID	MATRIX CODE (see list orders to left)	SAMPLE TYPE (C-DRAW C-COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	PRESERVATIVES										ANALYSIS TEST	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	TEMP IN C	REASON FOR C	SAMPLER NAME AND SIGNATURE	PRINT Name of SAMPLER	SIGNATURE of ANALYZER	DATE of ANALYSIS	RESUBMIT ENVIRONMENTAL					
			DATE	TIME		H2O2	HNO3	HCl	NaOH	Na2S2O3	Method	Other	Cl, Ni, Ag, V, Zn (App. list)	B, Ca (App. list)	App. IV Metals*														Q1, SO1	TDS	Radium 226/228	App. IV Fluoride	Acidity
13 BOW-GWA-34	WG G	G	10/16/23	1700	73															10/16/23	0935	Ryan William / Pace	10/16/23	0935									
14 BOW-GWA-34R	WG G	G	10/16/23	1145	73															10/16/23	0915	Ryan William / Pace	10/16/23	0937									
15 BOW-GWA-35	WG G	G																															
16 BOW-LFS-8-FD-01	WG G	G																															
17 BOW-LFS-8-FD-02	WG G	G																															
18 BOW-LFS-8-FB-01	WG G	G	10/16/23	1800	73															10/16/23	0935	Ryan William / Pace	10/16/23	0937									
19 BOW-LFS-8-FB-	WG G	G																															
20 BOW-LFS-8-EB-	WG G	G																															
21 BOW-LFS-8-EB-	WG G	G																															
22																																	
23																																	
24																																	



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

WO#: 92693501

PH: BV

Due Date: 11/13/23

CLIENT: 92-GP-80NLF

Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Acceptances: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, L/Hg

*Bottom half of box is to list number of bottles

**Check all unpreserved Nitrates for chlorine

Item#	Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C-)													
BP3U-250 mL Plastic Unpreserved (N/A)		2	1										
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)													
BP3N-250 mL plastic HNO3 (pH < 2)		2											
BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)													
BP4B-125 mL Plastic NaOH (pH > 12) (C-)													
WG7U-Wide-mouthed Glass Jar Unpreserved													
AG3U-1 liter Amber Unpreserved (N/A) (C-)													
AG3H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
D094-40 mL Amber NH4Cl (N/A)(C-)													
D09H-40 mL VOA HCl (N/A)													
V69F-40 mL VOA Na2SO3 (N/A)													
V69U-40 mL VOA Unpreserved (N/A)													
D09V-40 mL VOA H3PO4 (N/A)													
KP7U-50 mL Plastic Unpreserved (N/A)													
V/GR (3 vials per kit)-VPH/Gas kit (N/A)													
SP5T-125 mL Sterile Plastic (N/A - lab)													
SP2T-250 mL Sterile Plastic (N/A - lab)													
BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)													
AG6U-100 mL Amber Unpreserved (N/A) (C-)													
V56U-20 mL Scintillation vials (N/A)													
D09U-40 mL Amber Unpreserved vials (N/A)													

BPZIN

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)



CHAIN-OF-CUSTODY / Analytical Request Document

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/subsites/pas-standard-items.pdf>

Section A

Client Information:
 Client Name: Georgia Power
 Address: 241 Ralph McGill Blvd. NE
 Atlanta, GA 30308
 Contact: Kristin Jurneo, Cassidy Sutherland
 Email: kris.jurneo@gapower.com, cassidy.sutherland@gapower.com
 Phone: (470) 217-4006
 Fax: Standard

Project Information:
 Project Name: Bowen LF Cells 5-8 Background Event #2
 Project #: 10869-4
 Report To: Kristin Jurneo, Cassidy Sutherland
 Copy To: Laura Madril, Ben Hodges, Mike Smiley
 Noctis Group
 Purchase Order #: GPC2474-9197
 Project Name: Bowen LF Cells 5-8 Background Event #2
 Project #: 10869-4

Company Name: Georgia Power
Address: 241 Ralph McGill Blvd. NE, Atlanta, GA 30308
Phone: (470) 217-4006
Project Manager: bonnie.wing@pacelabs.com
Price Profile #: 10869-4

Regulatory Agency:
State / Location: GA

Section B

Required Project Information:
 Invoice Information:
 Analytical Test:
 Matrix Code (see void codes to left)
 Sample Type (G-GWA, C-COM)
 Collected Date/Time
 Sample Temp at Collection
 # of Containers
 Preservatives: H2SO4, HNO3, HCl, NaOH, H2O2, Methanol, GMA
 Analysis Test:
 Cu, Ni, Ag, V, Zn (App. M)
 B, Ca (App. M)
 App. W, Molar
 Cl, F, SO4
 TDS
 Radon 226/228
 App. W, Fluids
 Activity
 Fe, Mg, Mn, K, Na
 Product Change (Y/N)
 Received on (Y/N)
 Custody Sealed (Y/N)
 Cooked (Y/N)
 Groups (Y/N)

Section C

Requested Analysis Filtered (Y/N)

Matrix Code	Sample Type	Collected Date/Time	Sample Temp at Collection	# of Containers	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)
3 BOW-GWA-34	WG G	10/13/23 1230	73	4			
4 BOW-GWA-34R	WG G						
5 BOW-GWA-35	WG G						
6 BOW-LFS-6-FD-61	WG G						
7 BOW-LFS-6-FD-62	WG G						
8 BOW-LFS-4-FB-04	WG G						
9 BOW-LFS-3-FB	WG G						
0 BOW-LFS-4-EB	WG G						
1 BOW-LFS-8-EB	WG G						

ADDITIONAL COMMENTS:
 William Laiter
 Ryan Williams / Pace
 10/16/23 0835
 10/16/23 0935
 Ryan Williams / Pace
 10/13/23 1230
 73
 4
 10/16/23 0835
 Ryan Williams / Pace
 10/16/23 0935
 JLL
 10/13/23

RECEIVED BY / AFFILIATION:
 William Laiter
 Ryan Williams / Pace
 Ryan Williams / Pace
 Ryan Williams / Pace

DATE:
 10/16/23
 10/16/23
 10/13/23
 10/16/23

TIME:
 0835
 0935
 1230
 0835
 0935

SAMPLER NAME AND SIGNATURE:
 William Laiter
 Ryan Williams / Pace
 Ryan Williams / Pace
 Ryan Williams / Pace

PRINT Name of SAMPLER:
 William Laiter
 Ryan Williams / Pace
 Ryan Williams / Pace
 Ryan Williams / Pace

SIGNATURE of SAMPLER:
 William Laiter
 Ryan Williams / Pace
 Ryan Williams / Pace
 Ryan Williams / Pace

DATE Signed:
 10/13/23
 10/13/23
 10/13/23
 10/13/23

REGULATORY AGENCY:
 GA

State / Location:
 GA



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power

Project #: WO#: 92693498



Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 11-16-23

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 083 Type of Ice: Wet Blue None

Cooler Temp: 5.4 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.9

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix:	WG		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO# : 92693498

PM: BV

Due Date: 11/13/23

CLIENT: 92-GP-BONLF

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>8)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFLU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG64-40 mL Amber MHA(Cl) (N/A)(Cl-)	DG9H-40 mL VOA HO (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/OK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (RH-2)2504 (9.3-9.7)	AGDU-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1		2																								
2		2	1		2																								
3		2	1		2																								
4		2	1		2																								
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Effective Date: 11/14/2022

WO#: 92693498

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

PM: BV

Due Date: 11/13/23

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, U.Hg

CLIENT: 92-GP-BOWLF

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGRU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG9A-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
1		21				2																								
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers)



Effective Date: 11/14/2022

WO#: 92693498

PM: BV

Due Date: 11/13/23

CLIENT: 92-GP-BOWLF

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

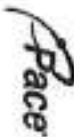
***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (-9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG98-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	BP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Elastic (N/A - lab)	AG6U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)			
1		2	1		2																								
2		2	1		2																								
3		2	1		2																								
4		2	1		2																								
5																													
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacesoftware.com/fundus-pas-standard-terms.pdf>.

CHAIN-OF-CUSTODY / Analytical Request Document

Section B

Required Project Information:

Section C

Page: 1 of 2

Client Information:	Required Project Information:	Project Information:
Company: Georgia Power	Region To: Kennesaw, Georgia	Company Name: Georgia Power
Address: 241 Fulton Street NW, NE Atlanta, GA 30308	Copy To: Laura McCall, Sam Hodges, Mike Sirely	Address: 241 Fulton Street NW, NE Atlanta, GA 30308
Phone: (404) 217-4000	Project Name: Green 13 Cells 5-8 Background Event #3	Project Manager: bennis.van@pacesoftware.com
Project #:	Matrix Code: (see valid codes to left)	Project #:

SAMPLE ID One Character per box. (A-Z, 0-9, -) Sample IDs must be unique	MATRIX CODE (see valid codes to left) SAMPLE TYPE (G-GRAB C-COMP)	COLLECTED	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HN03	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HN03	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	

ROW	QWIC	WIC	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HN03	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH
ROW-QWIC-26	WIC	G				73									X				
ROW-QWIC-27	WIC	G				73									X				
ROW-QWIC-27R	WIC	G	10/16/23	1345		73									X				
ROW-QWIC-28	WIC	G				73									X				
ROW-QWIC-29	WIC	G													X				
ROW-QWIC-29R	WIC	G													X				
ROW-QWIC-30	WIC	G													X				
ROW-QWIC-31	WIC	G													X				
ROW-QWIC-31R	WIC	G													X				
ROW-QWIC-32	WIC	G													X				
ROW-QWIC-32R	WIC	G													X				
ROW-QWIC-33R	WIC	G													X				
ROW-QWIC-37	WIC	G													X				

ADDITIONAL COMMENTS	RELEASING BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE COMMENTS
	William Lanker	10/16/23	0835	Kegan Williams / Pace	10/16/23	0835	
	Kegan Williams / Pace	10/16/23	0935	ETC	10/16/23	0835	

TEMP in C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples intact (Y/N)



DC#_Title: ENV-FRM-HUN1-0083 v02_Sample Condition Upon Receipt

Effective Date: 11/14/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) OOC, LHMg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

WO#: 92693498

PM: BV

Due Date: 11/13/23

CLIENT: 92-GP-BOWLF

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3M-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2SO3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3B-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-)	V8GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1	2	1			2																								
2	2	1			2																								
3	2	1			2																								
4																													
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately. Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at largefile.paces.com/chainofcustody-standard-terms.pdf.

Client Information:
 Company: Georgia Power
 Address: 241 North Mcdon Blvd NE Atlanta, GA 30303
 Contact: (478) 217-4006 Fax: Standard
 Email: lrj@largefile.paces.com

Required Project Information:
 Report To: Northern Atlanta, Georgia-Southwest
 City To: Luaua Wood, Ben Hodges, Mike Smiley
 Project Name: Bowen LP Cells 5-8 Background Event #3
 Project #:

Analyst Information:
 Analyst: [Blank]
 Company Name: Georgia Power
 Address: 241 North Mcdon Blvd NE Atlanta, GA 30303
 Pace Contact: [Blank]
 Pace Project Manager: bonnie.vang@pace.com
 Pace Profile #: 10290-4

Regulatory Agency:
 State: GA

ID	SAMPLE ID	MATRIX	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Y/N	Requested Analytes Element (ION)	Residual Chlorine (Y/N)	pH
							Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O8	Methanol					
1	BOW-GWC-26	One Character per box. (A-Z, 0-9, /, -) Sample IDs must be unique																
2	BOW-GWC-27																	
3	BOW-GWC-27R																	
4	BOW-GWC-28																	
5	BOW-GWC-29																	
6	BOW-GWC-29R																	
7	BOW-GWC-30		10/13/23	1108	73	4												
8	BOW-GWC-31		10/13/23	0958	73	4												
9	BOW-GWC-31R																	
10	BOW-GWC-32		10/13/23	1045	73	4												
11	BOW-GWC-32R																	
12	BOW-GWA-33R																	
13	BOW-GWA-37																	

Additional Comments:

Collected by: William Lancker
 Date: 10/16/23
 Time: 0835

Accepted by: Ryan Williams
 Date: 10/16/23
 Time: 0935

Signature of Collector: *William Lancker*
 Signature of Samplee: *Ryan Williams*

Sampler Name and Signature:
 Name: Keith Stephenson, William Lancker, Meredith Durbin
 Signature: *Keith Stephenson*
 Date Signed: 10/13/23

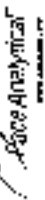
TEMP in C:

Received on ice (Y/N):

Cooler Sealed (Y/N):

Samples intact (Y/N):

Quality Control Sample Performance Assessment



TEST: RA-228
 Analyst: VAL
 Date: 11/10/2023
 Worklist: 76153
 Mult %: WT

Analyst Must Manually Enter All Fields Highlighted in Yellow.

Method Blank Assessment	
MS Sample ID	305249
MS Concentration	0.004
MS % Sigma	0.768
MS Method	3.08
MS Numerical Performance Indicator	Pass
MS Status vs Numerical Indicator	Pass

Laboratory Control Sample Assessment	
Target Value	1.000000
Sample ID	305250
Sample Concentration (µg/mL)	0.813
Sample Volume (µL)	4.72
Sample Dilution (µL)	1.000
Sample Recovery (%)	91.87%
Sample Recovery (µg)	0.74
Sample Recovery (µg/mL)	0.156
Sample Recovery (µg/mL)	0.156

Duplicate Sample Assessment	
Sample ID	305251
Duplicate Sample ID	305252
Sample Concentration (µg/mL)	0.813
Duplicate Sample Concentration (µg/mL)	0.813
Sample Volume (µL)	4.72
Duplicate Sample Volume (µL)	4.72
Sample Dilution (µL)	1.000
Duplicate Sample Dilution (µL)	1.000
Sample Recovery (%)	91.87%
Duplicate Sample Recovery (%)	91.87%
Sample Recovery (µg)	0.74
Duplicate Sample Recovery (µg)	0.74
Sample Recovery (µg/mL)	0.156
Duplicate Sample Recovery (µg/mL)	0.156

Sample Matrix Spikes Control Assessment	
Sample ID	305253
Sample Concentration (µg/mL)	0.813
Sample Volume (µL)	4.72
Sample Dilution (µL)	1.000
Sample Recovery (%)	91.87%
Sample Recovery (µg)	0.74
Sample Recovery (µg/mL)	0.156

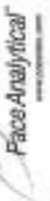
Matrix Spike/Retain Spike Duplicate Sample Assessment	
Sample ID	305254
Sample Concentration (µg/mL)	0.813
Duplicate Sample Concentration (µg/mL)	0.813
Sample Volume (µL)	4.72
Duplicate Sample Volume (µL)	4.72
Sample Dilution (µL)	1.000
Duplicate Sample Dilution (µL)	1.000
Sample Recovery (%)	91.87%
Duplicate Sample Recovery (%)	91.87%
Sample Recovery (µg)	0.74
Duplicate Sample Recovery (µg)	0.74
Sample Recovery (µg/mL)	0.156
Duplicate Sample Recovery (µg/mL)	0.156

If Evaluation of Duplicate Portion is "N" (Not Detectable) then the sample or replicate results are below the LOD

Comments: The blank is acceptable, otherwise it's below LOD by 10x

VAL
 11/10/23
 11/10/23
 11/10/23

Quality Control Sample Performance Assessment



Analyst Must Manually Enter All Fields. Highlighted in Yellow.

Test: Ra-228
 Analyst: SLC
 Date: 11/2/2023
 Worksheet: 76019
 Matrix: WT

Method Blank Assessment

MB Sample ID: 3048605
 MB Concentration: 0.066
 MB 2 Sigma CSU: 0.105
 MB MIC: 0.241
 MB Numerical Performance Indicator: 1.05
 MB Status vs Numerical Indicator: Pass
 MB Status vs MDC: N/A

Laboratory Control Sample Assessment

Count Date:	LCSD(Y or N)†	Y
11/13/2023	LCSD76019	
23-014	23-014	23-014
25-020	25-020	25-020
0-10	0-10	0-10
0-506	0-506	0-506
4-942	4-942	4-942
0-232	0-232	0-232
5-404	5-404	5-404
0-941	0-941	0-941
109-34%	109-34%	110.81%
Pass	Pass	Pass
N/A	N/A	N/A
135%	135%	120%
75%	75%	75%

Sample Matrix Spike Control Assessment

Sample Collection Date:
 Sample I.D.:
 Sample MS I.D.:
 Sample MSD I.D.:

MS/MSD Decay Corrected Spike Concentration (pCi/mL):
 Spike Volume Used in MS (mL):
 Spike Volume Used in MSD (mL):
 MS Aliquot (L, g, F):
 MS Target Conc (pCi/L, g, F):
 MSD Aliquot (L, g, F):
 MSD Target Conc (pCi/L, g, F):
 MS Spike Uncertainty (calculated):
 MSD Spike Uncertainty (calculated):

Sample Result 2 Sigma CSU (pCi/L, g, F):
 Sample Matrix Spike Result:
 Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):
 Matrix Spike Duplicate Result:
 Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):
 MS Numerical Performance Indicator:
 MSD Numerical Performance Indicator:
 MS Percent Recovery:
 MSD Percent Recovery:
 MS Status vs Numerical Indicator:
 MSD Status vs Numerical Indicator:
 MS Status vs Recovery:
 MSD Status vs Recovery:
 MS/MSD Upper % Recovery Limit:
 MS/MSD Lower % Recovery Limit:

Duplicate Sample Assessment

Sample I.D.:
 Duplicate Sample I.D.:
 Sample Result (pCi/L, g, F):
 Duplicate Result (pCi/L, g, F):
 Sample Result 2 Sigma CSU (pCi/L, g, F):
 Duplicate Result 2 Sigma CSU (pCi/L, g, F):
 Sample Duplicate Result (pCi/L, g, F):
 Duplicate Duplicate Result (pCi/L, g, F):
 Are sample and/or duplicate results below RL?
 Duplicate Numerical Performance Indicator:
 Duplicate RPD:
 Duplicate Status vs Numerical Indicator:
 Duplicate Status vs RPD:
 % RPD Limit:

Matrix Spike/Matrix Spike Duplicate Sample Assessment

Sample I.D.:
 Sample MS I.D.:
 Sample MSD I.D.:
 Sample Matrix Spike Result:
 Matrix Spike Result 2 Sigma CSU (pCi/L, g, F):
 Sample Matrix Spike Duplicate Result:
 Matrix Spike Duplicate Result 2 Sigma CSU (pCi/L, g, F):
 Duplicate Numerical Performance Indicator:
 Duplicate Numerical Performance Indicator:
 (Based on the Percent Recoveries) MS/MSD Duplicate RPD:
 MS/MSD Duplicate Status vs Numerical Indicator:
 MS/MSD Duplicate Status vs RPD:
 % RPD Limit:

† Evaluation of duplicate precision is not applicable if either the sample or duplicate results are below the MDC.

Comments:

ET
11/3/23

11/13/23

APPENDIX D.2 FIELD SAMPLING REPORTS



Low-Flow Test Report:

Test Date / Time: 2/16/2023 10:00:42 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.74 ft Total Depth: 120.74 ft Initial Depth to Water: 87.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.74 ft Estimated Total Volume Pumped: 17920 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 23.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 3L

Water fell below screen, complete evacuation initiated

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/16/2023 10:00 AM	00:00	6.77 pH	15.89 °C	483.61 µS/cm	0.67 mg/L	0.24 NTU	18.9 mV	87.30 ft	340.00 ml/min
2/16/2023 10:04 AM	04:00	6.89 pH	15.90 °C	475.51 µS/cm	0.16 mg/L	0.10 NTU	36.5 mV	89.67 ft	340.00 ml/min
2/16/2023 10:08 AM	08:00	6.94 pH	15.90 °C	470.44 µS/cm	0.13 mg/L	0.18 NTU	53.1 mV	91.76 ft	340.00 ml/min
2/16/2023 10:12 AM	12:00	6.94 pH	15.89 °C	463.85 µS/cm	0.39 mg/L	0.18 NTU	65.1 mV	93.70 ft	340.00 ml/min
2/16/2023 10:16 AM	16:00	6.88 pH	15.90 °C	450.66 µS/cm	1.70 mg/L	0.09 NTU	74.1 mV	95.88 ft	340.00 ml/min
2/16/2023 10:20 AM	20:00	6.84 pH	15.89 °C	446.42 µS/cm	2.24 mg/L	0.19 NTU	79.8 mV	98.03 ft	340.00 ml/min
2/16/2023 10:24 AM	24:00	6.82 pH	15.90 °C	445.57 µS/cm	2.46 mg/L	0.17 NTU	81.7 mV	100.00 ft	340.00 ml/min
2/16/2023 10:28 AM	28:00	6.81 pH	15.92 °C	445.69 µS/cm	2.60 mg/L	0.06 NTU	83.5 mV	101.82 ft	340.00 ml/min
2/16/2023 10:32 AM	32:00	6.81 pH	15.92 °C	446.12 µS/cm	2.72 mg/L	0.02 NTU	84.4 mV	103.74 ft	340.00 ml/min
2/16/2023 10:36 AM	36:00	6.80 pH	15.90 °C	446.93 µS/cm	2.81 mg/L	0.15 NTU	84.7 mV	105.72 ft	340.00 ml/min
2/16/2023 10:40 AM	40:00	6.80 pH	15.93 °C	446.65 µS/cm	2.88 mg/L	0.03 NTU	86.5 mV	107.45 ft	135.00 ml/min
2/16/2023 10:44 AM	44:00	6.81 pH	15.84 °C	446.23 µS/cm	2.90 mg/L	0.01 NTU	87.1 mV	108.21 ft	135.00 ml/min
2/16/2023 10:48 AM	48:00	6.81 pH	15.81 °C	446.78 µS/cm	2.92 mg/L	0.11 NTU	88.1 mV	108.85 ft	135.00 ml/min
2/16/2023 10:52 AM	52:00	6.81 pH	15.85 °C	446.79 µS/cm	2.92 mg/L	0.08 NTU	89.8 mV	109.50 ft	135.00 ml/min
2/16/2023 10:56 AM	56:00	6.81 pH	15.87 °C	448.62 µS/cm	2.84 mg/L	0.01 NTU	91.3 mV	110.15 ft	135.00 ml/min

2/16/2023 11:00 AM	01:00:00	6.82 pH	15.89 °C	449.43 µS/cm	2.80 mg/L	0.04 NTU	92.1 mV	110.45 ft	135.00 ml/min
2/16/2023 11:04 AM	01:04:00	6.82 pH	15.87 °C	449.23 µS/cm	2.83 mg/L	0.02 NTU	93.0 mV	110.55 ft	135.00 ml/min
2/16/2023 11:08 AM	01:08:00	6.82 pH	15.85 °C	449.65 µS/cm	2.85 mg/L	0.10 NTU	93.4 mV	110.64 ft	135.00 ml/min
2/16/2023 11:12 AM	01:12:00	6.82 pH	15.96 °C	451.41 µS/cm	2.92 mg/L	0.06 NTU	91.5 mV	110.80 ft	135.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 2/16/2023 11:27:30 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

<p>Location Name: GWA-1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 141.8 ft Total Depth: 151.8 ft Initial Depth to Water: 83.11 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 146.8 ft Estimated Total Volume Pumped: 10660 ml Flow Cell Volume: 90 ml Final Flow Rate: 125 ml/min Final Draw Down: 11.04 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789301</p>
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Test Notes:

Prepurged 4 L

Lowered pump rate to 125 mL/min at 28:00.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/16/2023 11:27 AM	00:00	7.28 pH	15.98 °C	303.35 µS/cm	1.39 mg/L	0.94 NTU	50.9 mV	88.35 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:31 AM	04:00	7.33 pH	16.02 °C	302.76 µS/cm	1.28 mg/L	1.05 NTU	51.6 mV	88.94 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:35 AM	08:00	7.35 pH	16.03 °C	303.04 µS/cm	1.18 mg/L	1.00 NTU	50.5 mV	89.72 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:39 AM	12:00	7.34 pH	16.11 °C	303.34 µS/cm	1.09 mg/L	1.21 NTU	50.3 mV	90.48 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:43 AM	16:00	7.39 pH	16.15 °C	303.55 µS/cm	1.03 mg/L	1.50 NTU	47.2 mV	91.20 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:47 AM	20:00	7.40 pH	16.25 °C	303.68 µS/cm	0.98 mg/L	2.10 NTU	47.2 mV	91.96 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:51 AM	24:00	7.40 pH	16.29 °C	303.71 µS/cm	0.94 mg/L	2.32 NTU	46.6 mV	92.65 ft	0.16 PSU	220.00 ml/min
2/16/2023 11:55 AM	28:00	7.38 pH	16.38 °C	303.37 µS/cm	0.92 mg/L	2.87 NTU	46.3 mV	92.85 ft	0.16 PSU	125.00 ml/min
2/16/2023 11:59 AM	32:00	7.38 pH	16.38 °C	303.38 µS/cm	0.91 mg/L	2.99 NTU	46.0 mV	93.01 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:03 PM	36:00	7.37 pH	16.38 °C	303.78 µS/cm	0.83 mg/L	2.97 NTU	45.6 mV	93.19 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:07 PM	40:00	7.38 pH	16.38 °C	304.26 µS/cm	0.77 mg/L	3.37 NTU	44.2 mV	93.42 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:11 PM	44:00	7.40 pH	16.37 °C	304.11 µS/cm	0.83 mg/L	3.56 NTU	44.6 mV	93.66 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:15 PM	48:00	7.40 pH	16.38 °C	304.74 µS/cm	0.91 mg/L	3.69 NTU	44.5 mV	93.90 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:19 PM	52:00	7.40 pH	16.54 °C	305.18 µS/cm	0.96 mg/L	3.17 NTU	43.7 mV	94.05 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:23 PM	56:00	7.39 pH	16.72 °C	304.83 µS/cm	0.99 mg/L	3.60 NTU	43.3 mV	94.10 ft	0.16 PSU	125.00 ml/min

2/16/2023 12:27 PM	01:00:00	7.39 pH	16.65 °C	305.02 µS/cm	1.02 mg/L	3.57 NTU	43.4 mV	94.13 ft	0.16 PSU	125.00 ml/min
2/16/2023 12:31 PM	01:04:00	7.39 pH	16.60 °C	305.35 µS/cm	1.07 mg/L	2.99 NTU	43.2 mV	94.15 ft	0.16 PSU	125.00 ml/min

Samples

Sample ID:	Description:
GWA-1	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 12:21:20 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-50 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 86.73 ft Total Depth: 96.73 ft Initial Depth to Water: 68.21 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 91.73 ft Estimated Total Volume Pumped: 7560 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 2.33 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 9L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/16/2023 12:21 PM	00:00	4.84 pH	16.68 °C	17.15 µS/cm	7.99 mg/L	0.05 NTU	160.3 mV	68.21 ft	105.00 ml/min
2/16/2023 12:25 PM	04:00	4.82 pH	16.71 °C	17.20 µS/cm	7.94 mg/L	0.32 NTU	166.0 mV	68.31 ft	105.00 ml/min
2/16/2023 12:29 PM	08:00	4.82 pH	16.66 °C	17.25 µS/cm	7.89 mg/L	0.14 NTU	164.9 mV	68.42 ft	105.00 ml/min
2/16/2023 12:33 PM	12:00	4.83 pH	16.61 °C	17.40 µS/cm	7.82 mg/L	0.10 NTU	162.4 mV	68.51 ft	105.00 ml/min
2/16/2023 12:37 PM	16:00	4.86 pH	16.55 °C	17.96 µS/cm	7.71 mg/L	0.31 NTU	160.6 mV	68.63 ft	105.00 ml/min
2/16/2023 12:41 PM	20:00	4.91 pH	16.61 °C	18.68 µS/cm	7.55 mg/L	0.29 NTU	157.1 mV	68.75 ft	105.00 ml/min
2/16/2023 12:45 PM	24:00	4.96 pH	16.63 °C	19.22 µS/cm	7.41 mg/L	0.30 NTU	154.3 mV	68.86 ft	105.00 ml/min
2/16/2023 12:49 PM	28:00	4.97 pH	16.70 °C	19.50 µS/cm	7.38 mg/L	0.28 NTU	153.7 mV	69.01 ft	105.00 ml/min
2/16/2023 12:53 PM	32:00	4.99 pH	16.70 °C	19.65 µS/cm	7.35 mg/L	0.27 NTU	152.9 mV	69.15 ft	105.00 ml/min
2/16/2023 12:57 PM	36:00	5.00 pH	16.61 °C	19.71 µS/cm	7.36 mg/L	0.20 NTU	151.8 mV	69.26 ft	105.00 ml/min
2/16/2023 1:01 PM	40:00	4.98 pH	16.52 °C	19.75 µS/cm	7.37 mg/L	0.23 NTU	151.5 mV	69.41 ft	105.00 ml/min
2/16/2023 1:05 PM	44:00	5.00 pH	16.48 °C	19.78 µS/cm	7.37 mg/L	0.10 NTU	150.1 mV	69.56 ft	105.00 ml/min
2/16/2023 1:09 PM	48:00	5.02 pH	16.44 °C	19.80 µS/cm	7.36 mg/L	0.19 NTU	149.2 mV	69.60 ft	105.00 ml/min
2/16/2023 1:13 PM	52:00	5.02 pH	16.53 °C	19.81 µS/cm	7.34 mg/L	0.07 NTU	149.1 mV	69.82 ft	105.00 ml/min
2/16/2023 1:17 PM	56:00	4.99 pH	16.75 °C	19.84 µS/cm	7.23 mg/L	0.10 NTU	149.8 mV	70.01 ft	105.00 ml/min

2/16/2023 1:21 PM	01:00:00	4.99 pH	16.94 °C	19.88 µS/cm	7.04 mg/L	0.22 NTU	148.5 mV	70.15 ft	105.00 ml/min
2/16/2023 1:25 PM	01:04:00	5.00 pH	16.93 °C	19.88 µS/cm	6.92 mg/L	0.31 NTU	148.6 mV	70.25 ft	105.00 ml/min
2/16/2023 1:29 PM	01:08:00	4.96 pH	16.95 °C	19.92 µS/cm	6.84 mg/L	0.10 NTU	150.2 mV	70.41 ft	105.00 ml/min
2/16/2023 1:33 PM	01:12:00	4.95 pH	17.01 °C	19.93 µS/cm	6.93 mg/L	0.09 NTU	148.9 mV	70.54 ft	105.00 ml/min

Samples

Sample ID:	Description:
GWA-50	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 1:28:37 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.25 ft Total Depth: 154.25 ft Initial Depth to Water: 78.48 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.25 ft Estimated Total Volume Pumped: 12800 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/16/2023 1:28 PM	00:00	6.56 pH	16.84 °C	34.62 µS/cm	5.90 mg/L	1.55 NTU	78.0 mV	78.57 ft	0.02 PSU	200.00 ml/min
2/16/2023 1:32 PM	04:00	6.26 pH	16.85 °C	34.72 µS/cm	5.97 mg/L	1.41 NTU	73.0 mV	78.57 ft	0.02 PSU	200.00 ml/min
2/16/2023 1:36 PM	08:00	6.03 pH	16.85 °C	46.01 µS/cm	6.01 mg/L	1.56 NTU	71.7 mV	78.56 ft	0.02 PSU	200.00 ml/min
2/16/2023 1:40 PM	12:00	5.87 pH	16.96 °C	68.85 µS/cm	6.05 mg/L	1.61 NTU	70.0 mV	78.56 ft	0.04 PSU	200.00 ml/min
2/16/2023 1:44 PM	16:00	5.89 pH	16.88 °C	108.68 µS/cm	6.04 mg/L	1.45 NTU	65.7 mV	78.56 ft	0.06 PSU	200.00 ml/min
2/16/2023 1:48 PM	20:00	5.98 pH	16.87 °C	166.50 µS/cm	6.07 mg/L	1.32 NTU	63.7 mV	78.56 ft	0.09 PSU	200.00 ml/min
2/16/2023 1:52 PM	24:00	6.06 pH	16.91 °C	224.09 µS/cm	6.11 mg/L	1.19 NTU	62.6 mV	78.56 ft	0.12 PSU	200.00 ml/min
2/16/2023 1:56 PM	28:00	6.17 pH	16.74 °C	275.09 µS/cm	6.16 mg/L	1.21 NTU	61.6 mV	78.56 ft	0.15 PSU	200.00 ml/min
2/16/2023 2:00 PM	32:00	6.27 pH	16.83 °C	314.36 µS/cm	6.15 mg/L	1.08 NTU	61.0 mV	78.56 ft	0.17 PSU	200.00 ml/min
2/16/2023 2:04 PM	36:00	6.35 pH	16.83 °C	344.41 µS/cm	6.19 mg/L	0.93 NTU	60.6 mV	78.56 ft	0.19 PSU	200.00 ml/min
2/16/2023 2:08 PM	40:00	6.38 pH	16.92 °C	364.61 µS/cm	6.19 mg/L	1.02 NTU	61.2 mV	78.56 ft	0.20 PSU	200.00 ml/min
2/16/2023 2:12 PM	44:00	6.46 pH	17.01 °C	381.92 µS/cm	6.17 mg/L	0.99 NTU	59.8 mV	78.56 ft	0.21 PSU	200.00 ml/min
2/16/2023 2:16 PM	48:00	6.50 pH	16.92 °C	393.91 µS/cm	6.20 mg/L	0.99 NTU	59.7 mV	78.56 ft	0.21 PSU	200.00 ml/min
2/16/2023 2:20 PM	52:00	6.52 pH	16.97 °C	402.25 µS/cm	6.22 mg/L	1.04 NTU	59.8 mV	78.56 ft	0.22 PSU	200.00 ml/min
2/16/2023 2:24 PM	56:00	6.54 pH	16.92 °C	409.94 µS/cm	6.26 mg/L	0.94 NTU	59.8 mV	78.56 ft	0.22 PSU	200.00 ml/min

2/16/2023 2:28 PM	01:00:00	6.55 pH	16.92 °C	416.02 µS/cm	6.29 mg/L	0.99 NTU	59.9 mV	78.56 ft	0.22 PSU	200.00 ml/min
2/16/2023 2:32 PM	01:04:00	6.56 pH	16.91 °C	421.45 µS/cm	6.35 mg/L	0.86 NTU	60.3 mV	78.56 ft	0.23 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWA-2	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 2:14:12 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-50R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 135.53 ft Total Depth: 145.53 ft Initial Depth to Water: 71.52 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 140.53 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/16/2023 2:14 PM	00:00	5.71 pH	17.28 °C	42.30 µS/cm	8.93 mg/L	0.96 NTU	145.5 mV	71.52 ft	100.00 ml/min
2/16/2023 2:18 PM	04:00	5.61 pH	17.10 °C	43.04 µS/cm	7.99 mg/L	1.18 NTU	136.8 mV	71.53 ft	100.00 ml/min
2/16/2023 2:22 PM	08:00	5.49 pH	17.14 °C	30.95 µS/cm	8.31 mg/L	0.62 NTU	137.9 mV	71.53 ft	100.00 ml/min
2/16/2023 2:26 PM	12:00	5.12 pH	17.52 °C	21.72 µS/cm	9.03 mg/L	0.48 NTU	145.5 mV	71.53 ft	100.00 ml/min
2/16/2023 2:30 PM	16:00	4.98 pH	17.55 °C	18.06 µS/cm	9.38 mg/L	0.76 NTU	149.6 mV	71.53 ft	100.00 ml/min
2/16/2023 2:34 PM	20:00	4.85 pH	17.42 °C	16.95 µS/cm	9.69 mg/L	0.20 NTU	151.8 mV	71.53 ft	100.00 ml/min
2/16/2023 2:38 PM	24:00	4.78 pH	17.39 °C	16.41 µS/cm	9.59 mg/L	1.10 NTU	152.6 mV	71.53 ft	100.00 ml/min
2/16/2023 2:42 PM	28:00	4.75 pH	17.39 °C	16.24 µS/cm	9.73 mg/L	0.74 NTU	152.5 mV	71.53 ft	100.00 ml/min
2/16/2023 2:46 PM	32:00	4.75 pH	17.41 °C	16.15 µS/cm	9.97 mg/L	0.12 NTU	152.2 mV	71.53 ft	100.00 ml/min
2/16/2023 2:50 PM	36:00	4.73 pH	17.38 °C	15.96 µS/cm	9.94 mg/L	0.03 NTU	152.3 mV	71.53 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWA-50R	Metals, Inorganics, Alkalinity, TDS
DUP-10	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/16/2023 3:00:13 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-2R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.4 ft Total Depth: 107.4 ft Initial Depth to Water: 78.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.4 ft Estimated Total Volume Pumped: 3120 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 1.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/16/2023 3:00 PM	00:00	6.66 pH	17.56 °C	316.88 µS/cm	1.25 mg/L	3.08 NTU	36.7 mV	79.65 ft	0.17 PSU	130.00 ml/min
2/16/2023 3:04 PM	04:00	6.84 pH	17.61 °C	333.24 µS/cm	0.64 mg/L	2.39 NTU	35.0 mV	79.76 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:08 PM	08:00	6.92 pH	17.58 °C	339.37 µS/cm	0.47 mg/L	2.27 NTU	33.4 mV	79.86 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:12 PM	12:00	6.96 pH	17.54 °C	342.04 µS/cm	0.38 mg/L	1.17 NTU	32.7 mV	79.93 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:16 PM	16:00	7.00 pH	17.54 °C	344.20 µS/cm	0.29 mg/L	1.23 NTU	29.6 mV	79.96 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:20 PM	20:00	7.02 pH	17.45 °C	341.92 µS/cm	0.24 mg/L	0.73 NTU	29.0 mV	79.99 ft	0.18 PSU	130.00 ml/min
2/16/2023 3:24 PM	24:00	7.02 pH	17.48 °C	343.60 µS/cm	0.23 mg/L	0.48 NTU	28.3 mV	80.01 ft	0.18 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-2R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 9:42:49 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.74 ft Total Depth: 120.74 ft Initial Depth to Water: 97.59 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.74 ft Estimated Total Volume Pumped: 200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Evacuation performed on 2/16/23

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/17/2023 9:42 AM	00:00	6.94 pH	11.48 °C	459.72 µS/cm	5.13 mg/L	0.21 NTU	202.7 mV	97.59 ft	100.00 ml/min
2/17/2023 9:43 AM	00:20	6.96 pH	11.58 °C	463.55 µS/cm	5.03 mg/L		194.2 mV	97.59 ft	100.00 ml/min
2/17/2023 9:43 AM	00:40	6.96 pH	11.76 °C	463.78 µS/cm	4.98 mg/L		191.2 mV	97.59 ft	100.00 ml/min
2/17/2023 9:43 AM	01:00	6.98 pH	11.85 °C	462.64 µS/cm	4.94 mg/L		183.4 mV	97.59 ft	100.00 ml/min
2/17/2023 9:44 AM	01:20	6.98 pH	11.99 °C	461.72 µS/cm	4.86 mg/L		178.5 mV	97.59 ft	100.00 ml/min
2/17/2023 9:44 AM	01:40	6.98 pH	12.13 °C	461.84 µS/cm	4.82 mg/L		171.2 mV	97.59 ft	100.00 ml/min
2/17/2023 9:44 AM	02:00	6.98 pH	12.26 °C	460.67 µS/cm	4.75 mg/L	0.21 NTU	166.3 mV	97.59 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWA-4RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 10:26:26 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWA-3A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.27 ft Total Depth: 140.27 ft Initial Depth to Water: 75.47 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.27 ft Estimated Total Volume Pumped: 3640 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/17/2023 10:26 AM	00:00	7.38 pH	13.67 °C	208.72 µS/cm	8.14 mg/L	0.16 NTU	114.1 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:30 AM	04:00	7.46 pH	13.67 °C	209.12 µS/cm	8.39 mg/L	0.15 NTU	91.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:34 AM	08:00	7.51 pH	13.58 °C	208.17 µS/cm	8.52 mg/L	0.09 NTU	80.9 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:38 AM	12:00	7.57 pH	13.55 °C	208.52 µS/cm	8.63 mg/L	0.12 NTU	76.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:42 AM	16:00	7.62 pH	13.49 °C	208.67 µS/cm	8.71 mg/L	0.12 NTU	73.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:46 AM	20:00	7.66 pH	13.45 °C	207.42 µS/cm	8.73 mg/L	0.11 NTU	71.2 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:50 AM	24:00	7.69 pH	13.40 °C	208.90 µS/cm	8.86 mg/L	0.05 NTU	70.0 mV	75.53 ft	0.11 PSU	130.00 ml/min
2/17/2023 10:54 AM	28:00	7.71 pH	13.36 °C	208.77 µS/cm	8.95 mg/L	0.02 NTU	69.1 mV	75.53 ft	0.11 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-3A	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 10:50:37 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.37 ft Total Depth: 111.37 ft Initial Depth to Water: 69.23 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.37 ft Estimated Total Volume Pumped: 5200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/17/2023 10:50 AM	00:00	6.87 pH	13.45 °C	131.13 µS/cm	7.26 mg/L	0.46 NTU	121.0 mV	69.23 ft	100.00 ml/min
2/17/2023 10:54 AM	04:00	6.92 pH	13.52 °C	131.99 µS/cm	7.39 mg/L	0.25 NTU	115.8 mV	69.24 ft	100.00 ml/min
2/17/2023 10:58 AM	08:00	6.95 pH	13.51 °C	132.77 µS/cm	7.45 mg/L	0.22 NTU	114.2 mV	69.25 ft	100.00 ml/min
2/17/2023 11:02 AM	12:00	6.98 pH	13.51 °C	134.15 µS/cm	7.48 mg/L	0.35 NTU	113.1 mV	69.26 ft	100.00 ml/min
2/17/2023 11:06 AM	16:00	7.01 pH	13.59 °C	135.21 µS/cm	7.54 mg/L	0.54 NTU	112.5 mV	69.28 ft	100.00 ml/min
2/17/2023 11:10 AM	20:00	7.03 pH	13.69 °C	135.03 µS/cm	7.52 mg/L	1.07 NTU	112.0 mV	69.28 ft	100.00 ml/min
2/17/2023 11:14 AM	24:00	7.05 pH	13.81 °C	134.67 µS/cm	7.47 mg/L	1.28 NTU	111.3 mV	69.29 ft	100.00 ml/min
2/17/2023 11:18 AM	28:00	7.05 pH	14.03 °C	135.32 µS/cm	7.51 mg/L	1.80 NTU	111.0 mV	69.29 ft	100.00 ml/min
2/17/2023 11:22 AM	32:00	7.07 pH	14.07 °C	135.72 µS/cm	7.52 mg/L	1.93 NTU	111.1 mV	69.29 ft	100.00 ml/min
2/17/2023 11:26 AM	36:00	7.07 pH	14.07 °C	136.08 µS/cm	7.55 mg/L	2.07 NTU	111.1 mV	69.29 ft	100.00 ml/min
2/17/2023 11:30 AM	40:00	7.09 pH	13.98 °C	136.19 µS/cm	7.57 mg/L	1.84 NTU	110.6 mV	69.29 ft	100.00 ml/min
2/17/2023 11:34 AM	44:00	7.10 pH	13.91 °C	136.18 µS/cm	7.55 mg/L	2.09 NTU	110.2 mV	69.29 ft	100.00 ml/min
2/17/2023 11:38 AM	48:00	7.10 pH	13.96 °C	136.07 µS/cm	7.56 mg/L	1.94 NTU	110.3 mV	69.29 ft	100.00 ml/min
2/17/2023 11:42 AM	52:00	7.11 pH	13.86 °C	136.25 µS/cm	7.58 mg/L	1.91 NTU	110.0 mV	69.29 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-6	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/17/2023 12:44:28 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-6RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.8 ft Total Depth: 112.8 ft Initial Depth to Water: 73.04 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 107.8 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/17/2023 12:44 PM	00:00	5.38 pH	13.58 °C	98.85 µS/cm	7.15 mg/L	14.49 NTU	140.5 mV	73.04 ft	100.00 ml/min
2/17/2023 12:48 PM	04:00	5.73 pH	13.05 °C	94.55 µS/cm	5.71 mg/L	12.61 NTU	117.6 mV	73.04 ft	100.00 ml/min
2/17/2023 12:52 PM	08:00	5.93 pH	13.05 °C	99.47 µS/cm	5.48 mg/L	7.71 NTU	90.1 mV	73.04 ft	100.00 ml/min
2/17/2023 12:56 PM	12:00	6.07 pH	13.14 °C	100.69 µS/cm	6.09 mg/L	4.75 NTU	81.7 mV	73.04 ft	100.00 ml/min
2/17/2023 1:00 PM	16:00	6.18 pH	13.24 °C	97.94 µS/cm	6.66 mg/L	2.34 NTU	84.9 mV	73.04 ft	100.00 ml/min
2/17/2023 1:04 PM	20:00	6.26 pH	13.23 °C	96.61 µS/cm	7.01 mg/L	1.97 NTU	88.1 mV	73.04 ft	100.00 ml/min
2/17/2023 1:08 PM	24:00	6.32 pH	13.50 °C	96.25 µS/cm	7.18 mg/L	2.28 NTU	90.9 mV	73.04 ft	100.00 ml/min
2/17/2023 1:12 PM	28:00	6.36 pH	13.70 °C	95.83 µS/cm	7.27 mg/L	1.56 NTU	88.7 mV	73.04 ft	100.00 ml/min
2/17/2023 1:16 PM	32:00	6.39 pH	13.77 °C	95.22 µS/cm	7.34 mg/L	1.45 NTU	89.1 mV	73.04 ft	100.00 ml/min
2/17/2023 1:20 PM	36:00	6.41 pH	13.59 °C	94.58 µS/cm	7.42 mg/L	0.87 NTU	92.2 mV	73.04 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-6RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 9:50:36 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-10R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 90.2 ft Total Depth: 100.2 ft Initial Depth to Water: 30.4 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 95.2 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 9:50 AM	00:00	6.83 pH	12.95 °C	292.45 µS/cm	2.56 mg/L	0.17 NTU	102.1 mV	30.40 ft	100.00 ml/min
2/20/2023 9:54 AM	04:00	6.76 pH	14.18 °C	301.49 µS/cm	0.95 mg/L	0.19 NTU	84.2 mV	30.40 ft	100.00 ml/min
2/20/2023 9:58 AM	08:00	6.84 pH	14.50 °C	307.75 µS/cm	2.03 mg/L	1.51 NTU	99.0 mV	30.40 ft	100.00 ml/min
2/20/2023 10:02 AM	12:00	6.92 pH	14.63 °C	305.03 µS/cm	3.57 mg/L	2.88 NTU	118.2 mV	30.40 ft	100.00 ml/min
2/20/2023 10:06 AM	16:00	6.98 pH	14.77 °C	303.58 µS/cm	4.37 mg/L	1.70 NTU	122.2 mV	30.40 ft	100.00 ml/min
2/20/2023 10:10 AM	20:00	7.01 pH	14.80 °C	302.26 µS/cm	4.78 mg/L	1.02 NTU	125.7 mV	30.40 ft	100.00 ml/min
2/20/2023 10:14 AM	24:00	7.03 pH	14.86 °C	301.30 µS/cm	5.07 mg/L	1.23 NTU	124.8 mV	30.40 ft	100.00 ml/min
2/20/2023 10:18 AM	28:00	7.05 pH	14.89 °C	300.54 µS/cm	5.35 mg/L	0.66 NTU	122.2 mV	30.40 ft	100.00 ml/min
2/20/2023 10:22 AM	32:00	7.07 pH	14.91 °C	299.14 µS/cm	5.63 mg/L	0.31 NTU	120.7 mV	30.40 ft	100.00 ml/min
2/20/2023 10:26 AM	36:00	7.07 pH	14.95 °C	298.26 µS/cm	5.80 mg/L	0.30 NTU	119.4 mV	30.40 ft	100.00 ml/min
2/20/2023 10:30 AM	40:00	7.08 pH	15.05 °C	296.69 µS/cm	5.93 mg/L	0.14 NTU	116.2 mV	30.40 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-10R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 9:51:43 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 103.75 ft Total Depth: 113.75 ft Initial Depth to Water: 74.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 108.75 ft Estimated Total Volume Pumped: 11020 ml Flow Cell Volume: 90 ml Final Flow Rate: 145 ml/min Final Draw Down: 5.65 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/20/2023 9:51 AM	00:00	6.25 pH	15.12 °C	59.96 µS/cm	7.29 mg/L	4.31 NTU	149.7 mV	76.92 ft	0.03 PSU	145.00 ml/min
2/20/2023 9:55 AM	04:00	6.24 pH	15.35 °C	60.41 µS/cm	7.26 mg/L	3.97 NTU	126.8 mV	77.16 ft	0.03 PSU	145.00 ml/min
2/20/2023 9:59 AM	08:00	6.21 pH	15.62 °C	59.69 µS/cm	7.32 mg/L	2.85 NTU	117.4 mV	77.47 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:03 AM	12:00	6.18 pH	15.77 °C	58.45 µS/cm	7.38 mg/L	2.66 NTU	112.1 mV	77.72 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:07 AM	16:00	6.18 pH	16.15 °C	56.78 µS/cm	7.47 mg/L	2.17 NTU	108.7 mV	77.98 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:11 AM	20:00	6.16 pH	16.38 °C	53.83 µS/cm	7.60 mg/L	2.06 NTU	107.6 mV	78.23 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:15 AM	24:00	6.12 pH	16.56 °C	52.04 µS/cm	7.74 mg/L	2.56 NTU	107.3 mV	78.43 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:19 AM	28:00	6.07 pH	16.64 °C	49.80 µS/cm	7.91 mg/L	1.86 NTU	107.7 mV	78.61 ft	0.03 PSU	145.00 ml/min
2/20/2023 10:23 AM	32:00	6.02 pH	16.81 °C	48.37 µS/cm	7.99 mg/L	1.93 NTU	108.5 mV	78.78 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:27 AM	36:00	5.99 pH	16.94 °C	46.60 µS/cm	8.12 mg/L	1.89 NTU	108.5 mV	78.92 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:31 AM	40:00	5.96 pH	16.92 °C	44.55 µS/cm	8.21 mg/L	1.79 NTU	108.8 mV	79.06 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:35 AM	44:00	5.99 pH	16.32 °C	42.76 µS/cm	8.43 mg/L	1.78 NTU	108.5 mV	79.22 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:39 AM	48:00	5.94 pH	16.61 °C	41.05 µS/cm	8.47 mg/L	1.83 NTU	109.5 mV	79.35 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:43 AM	52:00	5.92 pH	16.56 °C	40.17 µS/cm	8.61 mg/L	2.01 NTU	109.4 mV	79.48 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:47 AM	56:00	5.88 pH	16.87 °C	39.22 µS/cm	8.61 mg/L	2.10 NTU	109.8 mV	79.61 ft	0.02 PSU	145.00 ml/min

2/20/2023 10:51 AM	01:00:00	5.85 pH	16.96 °C	38.25 µS/cm	8.63 mg/L	1.84 NTU	109.9 mV	79.73 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:55 AM	01:04:00	5.84 pH	16.74 °C	37.24 µS/cm	8.72 mg/L	1.58 NTU	109.2 mV	79.84 ft	0.02 PSU	145.00 ml/min
2/20/2023 10:59 AM	01:08:00	5.83 pH	16.60 °C	36.62 µS/cm	8.81 mg/L	1.32 NTU	109.3 mV	79.97 ft	0.02 PSU	145.00 ml/min
2/20/2023 11:03 AM	01:12:00	5.81 pH	16.59 °C	35.75 µS/cm	8.89 mg/L	1.47 NTU	108.3 mV	80.06 ft	0.02 PSU	145.00 ml/min
2/20/2023 11:07 AM	01:16:00	5.78 pH	16.65 °C	35.05 µS/cm	8.91 mg/L	1.43 NTU	108.4 mV	80.16 ft	0.02 PSU	145.00 ml/min

Samples

Sample ID:	Description:
GWC-5	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 11:04:36 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 61.81 ft Total Depth: 71.81 ft Initial Depth to Water: 30.34 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 66.81 ft Estimated Total Volume Pumped: 13200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 11:04 AM	00:00	6.72 pH	15.13 °C	198.53 µS/cm	6.80 mg/L	2.35 NTU	140.4 mV	30.34 ft	150.00 ml/min
2/20/2023 11:08 AM	04:00	5.98 pH	15.47 °C	83.58 µS/cm	7.54 mg/L	5.63 NTU	138.8 mV	30.34 ft	150.00 ml/min
2/20/2023 11:12 AM	08:00	5.41 pH	15.45 °C	63.96 µS/cm	7.64 mg/L	8.15 NTU	138.7 mV	30.34 ft	150.00 ml/min
2/20/2023 11:16 AM	12:00	5.15 pH	15.45 °C	57.66 µS/cm	7.68 mg/L	7.80 NTU	138.6 mV	30.34 ft	150.00 ml/min
2/20/2023 11:20 AM	16:00	5.03 pH	15.57 °C	55.19 µS/cm	7.68 mg/L	8.49 NTU	138.9 mV	30.34 ft	150.00 ml/min
2/20/2023 11:24 AM	20:00	4.99 pH	15.64 °C	53.92 µS/cm	7.68 mg/L	8.16 NTU	138.4 mV	30.34 ft	150.00 ml/min
2/20/2023 11:28 AM	24:00	4.96 pH	15.62 °C	52.21 µS/cm	7.68 mg/L	7.11 NTU	137.9 mV	30.34 ft	150.00 ml/min
2/20/2023 11:32 AM	28:00	5.09 pH	15.54 °C	51.28 µS/cm	7.70 mg/L	6.22 NTU	138.2 mV	30.34 ft	150.00 ml/min
2/20/2023 11:36 AM	32:00	5.08 pH	15.62 °C	51.33 µS/cm	7.69 mg/L	5.92 NTU	137.2 mV	30.34 ft	150.00 ml/min
2/20/2023 11:40 AM	36:00	5.08 pH	15.65 °C	51.53 µS/cm	7.69 mg/L	5.06 NTU	137.2 mV	30.34 ft	150.00 ml/min
2/20/2023 11:44 AM	40:00	5.08 pH	15.67 °C	52.55 µS/cm	7.67 mg/L	4.14 NTU	136.6 mV	30.34 ft	150.00 ml/min
2/20/2023 11:48 AM	44:00	5.09 pH	15.67 °C	54.13 µS/cm	7.67 mg/L	4.47 NTU	136.7 mV	30.34 ft	150.00 ml/min
2/20/2023 11:52 AM	48:00	4.99 pH	15.63 °C	57.95 µS/cm	7.65 mg/L	4.09 NTU	135.3 mV	30.34 ft	150.00 ml/min
2/20/2023 11:56 AM	52:00	5.06 pH	15.61 °C	63.06 µS/cm	7.65 mg/L	3.85 NTU	134.6 mV	30.34 ft	150.00 ml/min
2/20/2023 12:00 PM	56:00	5.13 pH	15.68 °C	69.74 µS/cm	7.65 mg/L	2.69 NTU	133.1 mV	30.34 ft	150.00 ml/min

2/20/2023 12:04 PM	01:00:00	5.20 pH	15.76 °C	75.60 µS/cm	7.63 mg/L	2.73 NTU	132.9 mV	30.34 ft	150.00 ml/min
2/20/2023 12:08 PM	01:04:00	5.25 pH	15.80 °C	80.82 µS/cm	7.62 mg/L	2.69 NTU	132.1 mV	30.34 ft	150.00 ml/min
2/20/2023 12:12 PM	01:08:00	5.28 pH	15.85 °C	84.75 µS/cm	7.61 mg/L	2.49 NTU	131.7 mV	30.34 ft	150.00 ml/min
2/20/2023 12:16 PM	01:12:00	5.31 pH	15.89 °C	87.43 µS/cm	7.62 mg/L	2.29 NTU	131.1 mV	30.34 ft	150.00 ml/min
2/20/2023 12:20 PM	01:16:00	5.34 pH	15.94 °C	90.20 µS/cm	7.63 mg/L	1.82 NTU	131.4 mV	30.34 ft	150.00 ml/min
2/20/2023 12:24 PM	01:20:00	5.36 pH	15.90 °C	92.01 µS/cm	7.63 mg/L	1.99 NTU	130.8 mV	30.34 ft	150.00 ml/min
2/20/2023 12:28 PM	01:24:00	5.38 pH	15.91 °C	93.59 µS/cm	7.64 mg/L	1.63 NTU	130.6 mV	30.34 ft	150.00 ml/min
2/20/2023 12:32 PM	01:28:00	5.39 pH	15.98 °C	95.00 µS/cm	7.63 mg/L	1.42 NTU	130.6 mV	30.34 ft	150.00 ml/min

Samples

Sample ID:	Description:
GWC-10R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 11:50:18 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-7Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107 ft Total Depth: 117 ft Initial Depth to Water: 52.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112 ft Estimated Total Volume Pumped: 7480 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/20/2023 11:50 AM	00:00	6.67 pH	16.07 °C	235.38 µS/cm	0.51 mg/L	0.91 NTU	8.4 mV	52.44 ft	0.13 PSU	170.00 ml/min
2/20/2023 11:54 AM	04:00	6.82 pH	16.16 °C	236.52 µS/cm	0.61 mg/L	1.76 NTU	23.3 mV	52.45 ft	0.13 PSU	170.00 ml/min
2/20/2023 11:58 AM	08:00	6.92 pH	16.27 °C	236.85 µS/cm	1.35 mg/L	3.28 NTU	24.5 mV	52.45 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:02 PM	12:00	6.98 pH	16.31 °C	235.43 µS/cm	2.27 mg/L	4.06 NTU	28.2 mV	52.46 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:06 PM	16:00	7.08 pH	16.35 °C	235.68 µS/cm	2.80 mg/L	4.55 NTU	28.2 mV	52.46 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:10 PM	20:00	7.16 pH	16.37 °C	236.01 µS/cm	3.12 mg/L	4.17 NTU	29.6 mV	52.46 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:14 PM	24:00	7.22 pH	16.42 °C	236.11 µS/cm	3.35 mg/L	4.60 NTU	29.9 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:18 PM	28:00	7.27 pH	16.44 °C	235.67 µS/cm	3.55 mg/L	4.45 NTU	30.3 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:22 PM	32:00	7.30 pH	16.47 °C	235.03 µS/cm	3.75 mg/L	4.01 NTU	30.1 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:26 PM	36:00	7.34 pH	16.52 °C	235.15 µS/cm	3.88 mg/L	4.36 NTU	30.0 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:30 PM	40:00	7.36 pH	16.52 °C	234.67 µS/cm	3.99 mg/L	4.39 NTU	29.6 mV	52.47 ft	0.13 PSU	170.00 ml/min
2/20/2023 12:34 PM	44:00	7.40 pH	16.67 °C	234.36 µS/cm	4.06 mg/L	4.00 NTU	28.1 mV	52.47 ft	0.12 PSU	170.00 ml/min

Samples

Sample ID:	Description:
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GWC-7Z

Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/20/2023 1:18:06 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-11 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.35 ft Total Depth: 47.35 ft Initial Depth to Water: 20.87 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 42.35 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 1:18 PM	00:00	5.83 pH	18.58 °C	103.20 µS/cm	4.56 mg/L	2.00 NTU	149.8 mV	20.87 ft	120.00 ml/min
2/20/2023 1:22 PM	04:00	5.54 pH	18.85 °C	83.55 µS/cm	4.18 mg/L	3.34 NTU	134.1 mV	20.87 ft	120.00 ml/min
2/20/2023 1:26 PM	08:00	5.48 pH	18.84 °C	81.30 µS/cm	4.22 mg/L	2.21 NTU	131.8 mV	20.87 ft	120.00 ml/min
2/20/2023 1:30 PM	12:00	5.48 pH	19.05 °C	81.97 µS/cm	4.23 mg/L	1.02 NTU	131.2 mV	20.87 ft	120.00 ml/min
2/20/2023 1:34 PM	16:00	5.49 pH	19.19 °C	83.61 µS/cm	4.27 mg/L	0.81 NTU	131.6 mV	20.87 ft	120.00 ml/min
2/20/2023 1:38 PM	20:00	5.52 pH	19.11 °C	86.05 µS/cm	4.32 mg/L	0.79 NTU	132.0 mV	20.87 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-11	Metals, Inorganics, Alkalinity, TDS
DUP-11	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 1:27:14 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-8Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.4 ft Total Depth: 76.4 ft Initial Depth to Water: 42.37 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.4 ft Estimated Total Volume Pumped: 8360 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.44 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/20/2023 1:27 PM	00:00	6.92 pH	16.69 °C	88.97 µS/cm	8.25 mg/L	2.09 NTU	58.0 mV	42.79 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:31 PM	04:00	6.76 pH	16.75 °C	90.07 µS/cm	8.26 mg/L	1.59 NTU	58.5 mV	42.80 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:35 PM	08:00	6.65 pH	16.82 °C	90.38 µS/cm	8.21 mg/L	1.23 NTU	58.9 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:39 PM	12:00	6.59 pH	16.83 °C	90.79 µS/cm	8.24 mg/L	1.05 NTU	58.6 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:43 PM	16:00	6.53 pH	16.70 °C	91.36 µS/cm	8.20 mg/L	1.09 NTU	59.5 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:47 PM	20:00	6.49 pH	16.73 °C	92.35 µS/cm	8.18 mg/L	1.14 NTU	59.8 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:51 PM	24:00	6.48 pH	16.72 °C	93.59 µS/cm	8.24 mg/L	1.33 NTU	59.7 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:55 PM	28:00	6.47 pH	16.77 °C	95.50 µS/cm	8.16 mg/L	1.33 NTU	59.8 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 1:59 PM	32:00	6.47 pH	16.70 °C	99.51 µS/cm	8.16 mg/L	1.44 NTU	59.6 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 2:03 PM	36:00	6.47 pH	16.82 °C	105.03 µS/cm	8.22 mg/L	1.56 NTU	59.5 mV	42.81 ft	0.05 PSU	110.00 ml/min
2/20/2023 2:07 PM	40:00	6.51 pH	16.69 °C	111.86 µS/cm	8.21 mg/L	1.50 NTU	59.0 mV	42.81 ft	0.06 PSU	110.00 ml/min
2/20/2023 2:11 PM	44:00	6.55 pH	16.76 °C	119.37 µS/cm	8.31 mg/L	1.57 NTU	58.7 mV	42.81 ft	0.06 PSU	110.00 ml/min
2/20/2023 2:15 PM	48:00	6.58 pH	16.83 °C	126.86 µS/cm	8.37 mg/L	1.44 NTU	58.6 mV	42.81 ft	0.07 PSU	110.00 ml/min
2/20/2023 2:19 PM	52:00	6.63 pH	16.93 °C	132.86 µS/cm	8.37 mg/L	1.42 NTU	58.2 mV	42.81 ft	0.07 PSU	110.00 ml/min
2/20/2023 2:23 PM	56:00	6.68 pH	16.75 °C	138.14 µS/cm	8.39 mg/L	1.44 NTU	57.8 mV	42.81 ft	0.07 PSU	110.00 ml/min

2/20/2023 2:27 PM	01:00:00	6.72 pH	16.92 °C	143.34 µS/cm	8.34 mg/L	1.50 NTU	57.8 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:31 PM	01:04:00	6.77 pH	17.01 °C	147.21 µS/cm	8.35 mg/L	1.40 NTU	57.7 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:35 PM	01:08:00	6.81 pH	17.01 °C	150.61 µS/cm	8.38 mg/L	1.47 NTU	57.3 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:39 PM	01:12:00	6.84 pH	16.92 °C	153.52 µS/cm	8.40 mg/L	1.45 NTU	57.2 mV	42.81 ft	0.08 PSU	110.00 ml/min
2/20/2023 2:43 PM	01:16:00	6.87 pH	16.96 °C	157.33 µS/cm	8.45 mg/L	1.35 NTU	57.2 mV	42.81 ft	0.08 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-8Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/20/2023 2:22:49 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-11R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 73.2 ft Total Depth: 83.2 ft Initial Depth to Water: 20.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 78.2 ft Estimated Total Volume Pumped: 4340 ml Flow Cell Volume: 90 ml Final Flow Rate: 155 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/20/2023 2:22 PM	00:00	6.57 pH	20.63 °C	293.84 µS/cm	1.73 mg/L	0.53 NTU	127.0 mV	20.76 ft	155.00 ml/min
2/20/2023 2:26 PM	04:00	6.86 pH	18.98 °C	296.43 µS/cm	4.61 mg/L	0.20 NTU	126.1 mV	20.76 ft	155.00 ml/min
2/20/2023 2:30 PM	08:00	7.03 pH	18.68 °C	298.65 µS/cm	5.44 mg/L	0.37 NTU	127.3 mV	20.76 ft	155.00 ml/min
2/20/2023 2:34 PM	12:00	7.10 pH	18.56 °C	299.96 µS/cm	5.60 mg/L	0.56 NTU	127.9 mV	20.76 ft	155.00 ml/min
2/20/2023 2:38 PM	16:00	7.14 pH	18.42 °C	300.41 µS/cm	5.68 mg/L	0.41 NTU	129.0 mV	20.76 ft	155.00 ml/min
2/20/2023 2:42 PM	20:00	7.17 pH	18.35 °C	300.61 µS/cm	5.78 mg/L	0.46 NTU	128.2 mV	20.76 ft	155.00 ml/min
2/20/2023 2:46 PM	24:00	7.19 pH	18.09 °C	299.88 µS/cm	5.85 mg/L	0.28 NTU	128.0 mV	20.76 ft	155.00 ml/min
2/20/2023 2:50 PM	28:00	7.20 pH	18.05 °C	300.15 µS/cm	5.91 mg/L	0.13 NTU	127.3 mV	20.76 ft	155.00 ml/min

Samples

Sample ID:	Description:
GWC-11R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/21/2023 9:05:40 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-8RR Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.83 ft Total Depth: 111.83 ft Initial Depth to Water: 42.19 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.83 ft Estimated Total Volume Pumped: 4400 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 9:05 AM	00:00	7.13 pH	15.66 °C	164.85 µS/cm	5.85 mg/L	1.00 NTU	134.0 mV	42.27 ft	0.09 PSU	110.00 ml/min
2/21/2023 9:09 AM	04:00	7.25 pH	15.66 °C	155.14 µS/cm	7.46 mg/L	1.57 NTU	103.7 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:13 AM	08:00	7.36 pH	15.66 °C	153.90 µS/cm	8.06 mg/L	1.77 NTU	90.2 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:17 AM	12:00	7.50 pH	15.74 °C	155.55 µS/cm	8.28 mg/L	2.20 NTU	84.1 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:21 AM	16:00	7.58 pH	15.74 °C	157.23 µS/cm	8.32 mg/L	1.79 NTU	80.1 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:25 AM	20:00	7.64 pH	15.71 °C	158.35 µS/cm	8.49 mg/L	1.35 NTU	78.2 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:29 AM	24:00	7.71 pH	15.79 °C	158.17 µS/cm	8.51 mg/L	1.18 NTU	76.5 mV	42.26 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:33 AM	28:00	7.76 pH	15.78 °C	158.29 µS/cm	8.61 mg/L	0.81 NTU	75.5 mV	42.27 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:37 AM	32:00	7.80 pH	15.77 °C	158.53 µS/cm	8.63 mg/L	0.89 NTU	74.0 mV	42.27 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:41 AM	36:00	7.84 pH	15.78 °C	158.73 µS/cm	8.67 mg/L	0.81 NTU	73.4 mV	42.27 ft	0.08 PSU	110.00 ml/min
2/21/2023 9:45 AM	40:00	7.88 pH	15.75 °C	159.02 µS/cm	8.64 mg/L	0.77 NTU	73.2 mV	42.27 ft	0.08 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-8RR	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/21/2023 10:29:12 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 67.16 ft Total Depth: 77.16 ft Initial Depth to Water: 37.68 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 72.16 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 10:29 AM	00:00	5.17 pH	16.38 °C	39.96 µS/cm	7.17 mg/L	0.07 NTU	109.4 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:33 AM	04:00	4.72 pH	16.43 °C	39.81 µS/cm	7.16 mg/L	0.03 NTU	97.8 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:37 AM	08:00	4.63 pH	16.47 °C	39.79 µS/cm	7.14 mg/L	0.09 NTU	95.4 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:41 AM	12:00	4.61 pH	16.47 °C	39.85 µS/cm	7.13 mg/L	0.02 NTU	94.3 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:45 AM	16:00	4.60 pH	16.47 °C	39.83 µS/cm	7.14 mg/L	0.01 NTU	92.9 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:49 AM	20:00	4.60 pH	16.51 °C	39.76 µS/cm	7.13 mg/L	0.02 NTU	92.2 mV	37.71 ft	0.02 PSU	160.00 ml/min
2/21/2023 10:53 AM	24:00	4.59 pH	16.56 °C	39.71 µS/cm	7.13 mg/L	0.01 NTU	91.3 mV	37.71 ft	0.02 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-9	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/21/2023 12:41:09 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 63.73 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 17600 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 30.9 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 5 L

Historically drawdown does not stabilize. Water had strong odor at the start of prepurging. DTW fell into screen interval. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 12:41 PM	00:00	7.29 pH	17.18 °C	435.09 µS/cm	1.33 mg/L	1.13 NTU	34.8 mV	71.06 ft	0.24 PSU	200.00 ml/min
2/21/2023 12:45 PM	04:00	7.34 pH	17.14 °C	433.48 µS/cm	1.23 mg/L	0.89 NTU	48.7 mV	71.95 ft	0.23 PSU	200.00 ml/min
2/21/2023 12:49 PM	08:00	7.36 pH	17.14 °C	433.15 µS/cm	1.12 mg/L	0.85 NTU	51.0 mV	73.13 ft	0.23 PSU	200.00 ml/min
2/21/2023 12:53 PM	12:00	7.35 pH	17.18 °C	433.23 µS/cm	1.01 mg/L	1.45 NTU	51.5 mV	74.22 ft	0.23 PSU	200.00 ml/min
2/21/2023 12:57 PM	16:00	7.38 pH	17.23 °C	433.30 µS/cm	0.95 mg/L	1.55 NTU	45.7 mV	75.48 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:01 PM	20:00	7.35 pH	17.23 °C	432.97 µS/cm	0.95 mg/L	2.09 NTU	43.9 mV	76.65 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:05 PM	24:00	7.33 pH	17.27 °C	433.35 µS/cm	0.96 mg/L	2.09 NTU	44.3 mV	77.82 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:09 PM	28:00	7.29 pH	17.27 °C	433.65 µS/cm	0.99 mg/L	1.86 NTU	45.9 mV	79.03 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:13 PM	32:00	7.27 pH	17.36 °C	433.28 µS/cm	1.04 mg/L	1.76 NTU	47.8 mV	80.08 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:17 PM	36:00	7.24 pH	17.32 °C	433.78 µS/cm	1.08 mg/L	1.89 NTU	50.0 mV	81.20 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:21 PM	40:00	7.21 pH	17.32 °C	433.88 µS/cm	1.12 mg/L	1.55 NTU	51.9 mV	82.38 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:25 PM	44:00	7.22 pH	17.36 °C	433.86 µS/cm	1.15 mg/L	1.75 NTU	52.5 mV	83.47 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:29 PM	48:00	7.21 pH	17.22 °C	434.13 µS/cm	1.19 mg/L	1.41 NTU	54.0 mV	84.54 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:33 PM	52:00	7.19 pH	17.34 °C	434.62 µS/cm	1.21 mg/L	1.30 NTU	55.3 mV	85.61 ft	0.23 PSU	200.00 ml/min

2/21/2023 1:37 PM	56:00	7.19 pH	17.32 °C	434.63 µS/cm	1.23 mg/L	1.37 NTU	56.5 mV	86.66 ft	0.23 PSU	200.00 ml/min
2/21/2023 1:41 PM	01:00:00	7.18 pH	17.34 °C	434.93 µS/cm	1.25 mg/L	1.22 NTU	56.9 mV	87.68 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:45 PM	01:04:00	7.16 pH	17.28 °C	436.10 µS/cm	1.32 mg/L	1.19 NTU	58.3 mV	88.71 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:49 PM	01:08:00	7.18 pH	17.27 °C	436.09 µS/cm	1.35 mg/L	1.23 NTU	57.2 mV	89.77 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:53 PM	01:12:00	7.19 pH	17.33 °C	435.98 µS/cm	1.36 mg/L	1.45 NTU	58.0 mV	90.75 ft	0.24 PSU	200.00 ml/min
2/21/2023 1:57 PM	01:16:00	7.18 pH	17.21 °C	436.86 µS/cm	1.39 mg/L	1.11 NTU	58.7 mV	91.73 ft	0.24 PSU	200.00 ml/min
2/21/2023 2:01 PM	01:20:00	7.18 pH	17.13 °C	437.70 µS/cm	1.44 mg/L	1.14 NTU	58.7 mV	92.69 ft	0.24 PSU	200.00 ml/min
2/21/2023 2:05 PM	01:24:00	7.19 pH	17.13 °C	438.14 µS/cm	1.48 mg/L	1.10 NTU	58.6 mV	93.60 ft	0.24 PSU	200.00 ml/min
2/21/2023 2:09 PM	01:28:00	7.18 pH	17.10 °C	438.41 µS/cm	1.51 mg/L	1.09 NTU	59.1 mV	94.63 ft	0.24 PSU	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 2/21/2023 2:37:19 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.03 ft Total Depth: 54.03 ft Initial Depth to Water: 20 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 49.03 ft Estimated Total Volume Pumped: 2773.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.61 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/21/2023 2:37 PM	00:00	6.25 pH	17.63 °C	107.86 µS/cm	0.29 mg/L	0.33 NTU	42.7 mV	20.52 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:41 PM	04:00	6.19 pH	17.50 °C	108.26 µS/cm	0.21 mg/L	0.43 NTU	46.6 mV	20.54 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:45 PM	08:00	6.16 pH	17.38 °C	108.85 µS/cm	0.20 mg/L	0.64 NTU	47.2 mV	20.56 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:46 PM	09:20	6.17 pH	17.36 °C	109.17 µS/cm	0.20 mg/L	0.64 NTU	46.8 mV	20.56 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:50 PM	13:20	6.16 pH	17.23 °C	110.12 µS/cm	0.21 mg/L	0.72 NTU	45.9 mV	20.58 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:54 PM	17:20	6.16 pH	17.13 °C	111.07 µS/cm	0.22 mg/L	0.90 NTU	45.7 mV	20.60 ft	0.06 PSU	130.00 ml/min
2/21/2023 2:58 PM	21:20	6.18 pH	17.09 °C	111.67 µS/cm	0.24 mg/L	0.87 NTU	43.9 mV	20.61 ft	0.06 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-12	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 9:45:48 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-15Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 64.9 ft Total Depth: 74.9 ft Initial Depth to Water: 38.17 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 69.9 ft Estimated Total Volume Pumped: 6240 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/22/2023 9:45 AM	00:00	6.97 pH	17.02 °C	237.36 µS/cm	7.09 mg/L	0.37 NTU	142.3 mV	38.17 ft	120.00 ml/min
2/22/2023 9:49 AM	04:00	7.14 pH	17.25 °C	234.70 µS/cm	7.18 mg/L	0.17 NTU	134.4 mV	38.27 ft	120.00 ml/min
2/22/2023 9:53 AM	08:00	7.28 pH	17.24 °C	231.71 µS/cm	7.04 mg/L	0.13 NTU	132.4 mV	38.31 ft	120.00 ml/min
2/22/2023 9:57 AM	12:00	7.37 pH	17.28 °C	231.62 µS/cm	6.93 mg/L	0.18 NTU	132.8 mV	38.36 ft	120.00 ml/min
2/22/2023 10:01 AM	16:00	7.42 pH	17.26 °C	231.24 µS/cm	6.91 mg/L	0.66 NTU	132.3 mV	38.42 ft	120.00 ml/min
2/22/2023 10:05 AM	20:00	7.45 pH	17.33 °C	231.32 µS/cm	6.84 mg/L	0.74 NTU	131.1 mV	38.44 ft	120.00 ml/min
2/22/2023 10:09 AM	24:00	7.47 pH	17.28 °C	231.63 µS/cm	6.81 mg/L	1.38 NTU	130.6 mV	38.45 ft	120.00 ml/min
2/22/2023 10:13 AM	28:00	7.48 pH	17.31 °C	231.91 µS/cm	6.79 mg/L	1.73 NTU	129.9 mV	38.45 ft	120.00 ml/min
2/22/2023 10:17 AM	32:00	7.48 pH	17.30 °C	232.62 µS/cm	6.78 mg/L	2.07 NTU	128.7 mV	38.46 ft	120.00 ml/min
2/22/2023 10:21 AM	36:00	7.49 pH	17.31 °C	233.03 µS/cm	6.74 mg/L	2.10 NTU	128.1 mV	38.46 ft	120.00 ml/min
2/22/2023 10:25 AM	40:00	7.49 pH	17.33 °C	233.10 µS/cm	6.73 mg/L	2.28 NTU	127.2 mV	38.46 ft	120.00 ml/min
2/22/2023 10:29 AM	44:00	7.49 pH	17.38 °C	232.57 µS/cm	6.72 mg/L	2.67 NTU	126.9 mV	38.46 ft	120.00 ml/min
2/22/2023 10:33 AM	48:00	7.49 pH	17.41 °C	232.51 µS/cm	6.71 mg/L	2.34 NTU	126.5 mV	38.46 ft	120.00 ml/min
2/22/2023 10:37 AM	52:00	7.49 pH	17.59 °C	232.17 µS/cm	6.69 mg/L	2.30 NTU	128.8 mV	38.46 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-15Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 10:01:18 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 94.48 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.27 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Complete evac on 2/21/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/22/2023 10:01 AM	00:00	7.17 pH	16.08 °C	432.36 µS/cm	3.74 mg/L	0.28 NTU	164.3 mV	94.75 ft	0.23 PSU	110.00 ml/min
2/22/2023 10:01 AM	00:20	7.16 pH	16.02 °C	436.32 µS/cm	3.71 mg/L		152.5 mV	94.75 ft	0.24 PSU	110.00 ml/min
2/22/2023 10:01 AM	00:40	7.15 pH	16.02 °C	437.13 µS/cm	3.69 mg/L		141.2 mV	94.75 ft	0.24 PSU	110.00 ml/min
2/22/2023 10:02 AM	01:00	7.15 pH	16.03 °C	438.79 µS/cm	3.63 mg/L		132.2 mV	94.75 ft	0.24 PSU	110.00 ml/min
2/22/2023 10:02 AM	01:20	7.15 pH	16.11 °C	438.94 µS/cm	3.51 mg/L	0.21 NTU	122.6 mV	94.75 ft	0.24 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-13RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 10:54:40 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 29.47 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 3520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/22/2023 10:54 AM	00:00	6.99 pH	17.72 °C	227.03 µS/cm	4.60 mg/L	11.70 NTU	51.2 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 10:58 AM	04:00	6.97 pH	17.99 °C	229.38 µS/cm	4.67 mg/L	11.54 NTU	57.3 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:02 AM	08:00	6.96 pH	18.26 °C	228.56 µS/cm	4.65 mg/L	8.90 NTU	58.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:06 AM	12:00	6.95 pH	18.30 °C	229.44 µS/cm	4.69 mg/L	7.70 NTU	59.5 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:10 AM	16:00	6.97 pH	18.11 °C	229.80 µS/cm	4.72 mg/L	6.02 NTU	59.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:14 AM	20:00	6.96 pH	18.05 °C	229.45 µS/cm	4.73 mg/L	5.55 NTU	60.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:18 AM	24:00	6.96 pH	18.26 °C	229.59 µS/cm	4.72 mg/L	4.19 NTU	61.1 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:22 AM	28:00	6.96 pH	18.04 °C	229.67 µS/cm	4.74 mg/L	3.83 NTU	61.6 mV	29.50 ft	0.12 PSU	110.00 ml/min
2/22/2023 11:26 AM	32:00	6.96 pH	18.12 °C	230.09 µS/cm	4.75 mg/L	3.42 NTU	62.0 mV	29.50 ft	0.12 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-13	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 11:33:06 AM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-15R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 87.5 ft Total Depth: 97.5 ft Initial Depth to Water: 38.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 92.5 ft Estimated Total Volume Pumped: 15120 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/22/2023 11:33 AM	00:00	7.22 pH	18.36 °C	308.22 µS/cm	3.46 mg/L	0.11 NTU	57.0 mV	38.36 ft	135.00 ml/min
2/22/2023 11:37 AM	04:00	7.15 pH	18.17 °C	352.86 µS/cm	2.25 mg/L	0.44 NTU	70.9 mV	38.38 ft	135.00 ml/min
2/22/2023 11:41 AM	08:00	7.23 pH	18.26 °C	374.96 µS/cm	2.90 mg/L	1.20 NTU	95.8 mV	38.40 ft	135.00 ml/min
2/22/2023 11:45 AM	12:00	7.26 pH	18.47 °C	375.84 µS/cm	3.01 mg/L	7.59 NTU	108.2 mV	38.40 ft	135.00 ml/min
2/22/2023 11:49 AM	16:00	7.27 pH	18.94 °C	376.47 µS/cm	2.98 mg/L	14.45 NTU	114.4 mV	38.40 ft	135.00 ml/min
2/22/2023 11:53 AM	20:00	7.27 pH	18.79 °C	380.84 µS/cm	2.96 mg/L	12.90 NTU	118.2 mV	38.40 ft	135.00 ml/min
2/22/2023 11:57 AM	24:00	7.27 pH	18.97 °C	379.52 µS/cm	2.85 mg/L	13.20 NTU	120.1 mV	38.40 ft	135.00 ml/min
2/22/2023 12:01 PM	28:00	7.27 pH	18.89 °C	377.68 µS/cm	2.76 mg/L	11.10 NTU	121.5 mV	38.40 ft	135.00 ml/min
2/22/2023 12:05 PM	32:00	7.28 pH	18.48 °C	376.88 µS/cm	2.76 mg/L	14.55 NTU	123.3 mV	38.40 ft	135.00 ml/min
2/22/2023 12:09 PM	36:00	7.28 pH	18.34 °C	373.78 µS/cm	2.77 mg/L	13.58 NTU	124.0 mV	38.40 ft	135.00 ml/min
2/22/2023 12:13 PM	40:00	7.29 pH	18.09 °C	371.20 µS/cm	2.78 mg/L	11.88 NTU	124.5 mV	38.40 ft	135.00 ml/min
2/22/2023 12:17 PM	44:00	7.29 pH	18.08 °C	368.36 µS/cm	2.79 mg/L	11.59 NTU	124.2 mV	38.40 ft	135.00 ml/min
2/22/2023 12:21 PM	48:00	7.29 pH	18.62 °C	366.98 µS/cm	2.76 mg/L	10.88 NTU	124.0 mV	38.40 ft	135.00 ml/min
2/22/2023 12:25 PM	52:00	7.29 pH	18.66 °C	365.37 µS/cm	2.76 mg/L	10.20 NTU	124.3 mV	38.40 ft	135.00 ml/min
2/22/2023 12:29 PM	56:00	7.29 pH	18.77 °C	362.16 µS/cm	2.74 mg/L	9.69 NTU	124.5 mV	38.40 ft	135.00 ml/min

2/22/2023 12:33 PM	01:00:00	7.30 pH	18.40 °C	359.82 µS/cm	2.76 mg/L	8.90 NTU	124.1 mV	38.40 ft	135.00 ml/min
2/22/2023 12:37 PM	01:04:00	7.30 pH	18.37 °C	356.89 µS/cm	2.77 mg/L	8.33 NTU	124.4 mV	38.40 ft	135.00 ml/min
2/22/2023 12:41 PM	01:08:00	7.30 pH	18.57 °C	352.82 µS/cm	2.82 mg/L	7.21 NTU	124.2 mV	38.40 ft	135.00 ml/min
2/22/2023 12:45 PM	01:12:00	7.30 pH	18.90 °C	350.76 µS/cm	2.80 mg/L	7.44 NTU	123.9 mV	38.40 ft	135.00 ml/min
2/22/2023 12:49 PM	01:16:00	7.31 pH	18.62 °C	346.08 µS/cm	2.81 mg/L	7.28 NTU	123.7 mV	38.40 ft	135.00 ml/min
2/22/2023 12:53 PM	01:20:00	7.30 pH	19.42 °C	342.83 µS/cm	2.79 mg/L	6.58 NTU	123.5 mV	38.40 ft	135.00 ml/min
2/22/2023 12:57 PM	01:24:00	7.31 pH	19.68 °C	338.39 µS/cm	2.77 mg/L	6.05 NTU	123.3 mV	38.40 ft	135.00 ml/min
2/22/2023 1:01 PM	01:28:00	7.31 pH	19.56 °C	336.83 µS/cm	2.79 mg/L	5.75 NTU	123.5 mV	38.40 ft	135.00 ml/min
2/22/2023 1:05 PM	01:32:00	7.31 pH	19.64 °C	336.69 µS/cm	2.80 mg/L	5.26 NTU	123.8 mV	38.40 ft	135.00 ml/min
2/22/2023 1:09 PM	01:36:00	7.32 pH	19.69 °C	335.48 µS/cm	2.76 mg/L	5.15 NTU	123.9 mV	38.40 ft	135.00 ml/min
2/22/2023 1:13 PM	01:40:00	7.32 pH	19.70 °C	335.27 µS/cm	2.78 mg/L	5.25 NTU	124.5 mV	38.40 ft	135.00 ml/min
2/22/2023 1:17 PM	01:44:00	7.33 pH	19.54 °C	336.27 µS/cm	2.78 mg/L	4.91 NTU	124.9 mV	38.40 ft	135.00 ml/min
2/22/2023 1:21 PM	01:48:00	7.33 pH	19.35 °C	333.70 µS/cm	2.81 mg/L	4.59 NTU	124.4 mV	38.40 ft	135.00 ml/min
2/22/2023 1:25 PM	01:52:00	7.32 pH	19.79 °C	333.44 µS/cm	2.80 mg/L	4.22 NTU	124.8 mV	38.40 ft	135.00 ml/min

Samples

Sample ID:	Description:
GWC-15R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/22/2023 12:32:48 PM

Project: Plant Bowen LF Cells 1&2 February 2023

Operator Name: William Laaker

Location Name: GWC-14Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.34 ft Total Depth: 76.34 ft Initial Depth to Water: 28.97 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.34 ft Estimated Total Volume Pumped: 3960 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 3.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/22/2023 12:32 PM	00:00	5.74 pH	19.25 °C	105.66 µS/cm	4.21 mg/L	0.02 NTU	77.2 mV	30.91 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:36 PM	04:00	5.73 pH	19.32 °C	109.84 µS/cm	4.31 mg/L	0.07 NTU	75.5 mV	31.03 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:40 PM	08:00	5.76 pH	19.36 °C	114.07 µS/cm	4.38 mg/L	0.12 NTU	75.4 mV	31.17 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:44 PM	12:00	5.81 pH	19.53 °C	119.52 µS/cm	4.45 mg/L	0.06 NTU	74.7 mV	31.32 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:48 PM	16:00	5.86 pH	19.28 °C	123.29 µS/cm	4.47 mg/L	0.09 NTU	74.2 mV	31.45 ft	0.06 PSU	110.00 ml/min
2/22/2023 12:52 PM	20:00	5.89 pH	19.50 °C	126.99 µS/cm	4.48 mg/L	0.10 NTU	74.6 mV	31.61 ft	0.07 PSU	110.00 ml/min
2/22/2023 12:56 PM	24:00	5.89 pH	19.68 °C	129.86 µS/cm	4.49 mg/L	0.07 NTU	74.4 mV	31.72 ft	0.07 PSU	110.00 ml/min
2/22/2023 1:00 PM	28:00	5.92 pH	19.55 °C	132.03 µS/cm	4.51 mg/L	0.10 NTU	74.3 mV	31.83 ft	0.07 PSU	110.00 ml/min
2/22/2023 1:04 PM	32:00	5.95 pH	19.50 °C	134.74 µS/cm	4.55 mg/L	0.08 NTU	74.4 mV	31.96 ft	0.07 PSU	110.00 ml/min
2/22/2023 1:08 PM	36:00	5.97 pH	19.47 °C	136.26 µS/cm	4.56 mg/L	0.08 NTU	74.4 mV	32.09 ft	0.07 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-14Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 10:03:36 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-36RA Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99 ft Total Depth: 109 ft Initial Depth to Water: 30.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104 ft Estimated Total Volume Pumped: 21120 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Unable to get pH into range

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/8/2023 10:03 AM	00:00	7.17 pH	16.21 °C	488.04 µS/cm	1.52 mg/L	2.53 NTU	166.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:07 AM	04:00	7.08 pH	16.61 °C	490.50 µS/cm	2.86 mg/L	8.19 NTU	151.5 mV	30.51 ft	110.00 ml/min
2/8/2023 10:11 AM	08:00	7.02 pH	16.66 °C	492.10 µS/cm	3.18 mg/L	12.30 NTU	146.9 mV	30.51 ft	110.00 ml/min
2/8/2023 10:15 AM	12:00	7.00 pH	16.70 °C	493.53 µS/cm	3.22 mg/L	16.50 NTU	142.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:19 AM	16:00	7.00 pH	16.78 °C	495.46 µS/cm	3.19 mg/L	16.70 NTU	141.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:23 AM	20:00	6.99 pH	16.79 °C	495.87 µS/cm	3.24 mg/L	15.70 NTU	138.1 mV	30.51 ft	110.00 ml/min
2/8/2023 10:27 AM	24:00	6.98 pH	16.85 °C	495.95 µS/cm	3.25 mg/L	16.60 NTU	137.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:31 AM	28:00	6.96 pH	17.01 °C	495.13 µS/cm	3.27 mg/L	13.10 NTU	131.7 mV	30.51 ft	110.00 ml/min
2/8/2023 10:35 AM	32:00	6.95 pH	17.15 °C	493.90 µS/cm	3.30 mg/L	12.20 NTU	131.3 mV	30.51 ft	110.00 ml/min
2/8/2023 10:39 AM	36:00	6.94 pH	17.15 °C	494.64 µS/cm	3.34 mg/L	11.30 NTU	128.4 mV	30.51 ft	110.00 ml/min
2/8/2023 10:43 AM	40:00	6.94 pH	17.07 °C	494.48 µS/cm	3.38 mg/L	15.05 NTU	127.0 mV	30.51 ft	110.00 ml/min
2/8/2023 10:47 AM	44:00	6.93 pH	16.96 °C	495.06 µS/cm	3.42 mg/L	13.93 NTU	127.1 mV	30.51 ft	110.00 ml/min
2/8/2023 10:51 AM	48:00	6.92 pH	16.94 °C	495.27 µS/cm	3.46 mg/L	11.00 NTU	126.8 mV	30.51 ft	110.00 ml/min
2/8/2023 10:55 AM	52:00	6.92 pH	16.92 °C	494.93 µS/cm	3.47 mg/L	14.25 NTU	124.9 mV	30.51 ft	110.00 ml/min
2/8/2023 10:59 AM	56:00	6.92 pH	16.95 °C	494.95 µS/cm	3.49 mg/L	11.98 NTU	124.7 mV	30.51 ft	110.00 ml/min

2/8/2023 11:03 AM	01:00:00	6.91 pH	16.97 °C	493.09 µS/cm	3.50 mg/L	14.35 NTU	124.3 mV	30.51 ft	110.00 ml/min
2/8/2023 11:07 AM	01:04:00	6.91 pH	16.96 °C	493.85 µS/cm	3.53 mg/L	13.10 NTU	124.5 mV	30.51 ft	110.00 ml/min
2/8/2023 11:11 AM	01:08:00	6.91 pH	16.97 °C	493.22 µS/cm	3.54 mg/L	12.76 NTU	123.9 mV	30.51 ft	110.00 ml/min
2/8/2023 11:15 AM	01:12:00	6.90 pH	16.97 °C	493.92 µS/cm	3.56 mg/L	12.45 NTU	122.7 mV	30.51 ft	110.00 ml/min
2/8/2023 11:19 AM	01:16:00	6.90 pH	16.95 °C	493.82 µS/cm	3.58 mg/L	10.30 NTU	122.4 mV	30.51 ft	110.00 ml/min
2/8/2023 11:23 AM	01:20:00	6.90 pH	16.94 °C	493.34 µS/cm	3.60 mg/L	11.14 NTU	122.2 mV	30.51 ft	110.00 ml/min
2/8/2023 11:27 AM	01:24:00	6.90 pH	17.02 °C	492.31 µS/cm	3.61 mg/L	10.46 NTU	121.5 mV	30.51 ft	110.00 ml/min
2/8/2023 11:31 AM	01:28:00	6.90 pH	17.07 °C	493.08 µS/cm	3.62 mg/L	10.27 NTU	121.3 mV	30.51 ft	110.00 ml/min
2/8/2023 11:35 AM	01:32:00	6.89 pH	17.21 °C	492.29 µS/cm	3.62 mg/L	9.71 NTU	120.9 mV	30.51 ft	110.00 ml/min
2/8/2023 11:39 AM	01:36:00	6.89 pH	17.33 °C	491.49 µS/cm	3.62 mg/L	9.32 NTU	120.8 mV	30.51 ft	110.00 ml/min
2/8/2023 11:43 AM	01:40:00	6.89 pH	17.28 °C	491.39 µS/cm	3.62 mg/L	10.00 NTU	120.2 mV	30.51 ft	110.00 ml/min
2/8/2023 11:47 AM	01:44:00	6.89 pH	17.35 °C	492.13 µS/cm	3.63 mg/L	9.38 NTU	120.4 mV	30.51 ft	110.00 ml/min
2/8/2023 11:51 AM	01:48:00	6.89 pH	17.33 °C	491.41 µS/cm	3.64 mg/L	9.06 NTU	120.7 mV	30.51 ft	110.00 ml/min
2/8/2023 11:55 AM	01:52:00	6.89 pH	17.37 °C	492.26 µS/cm	3.64 mg/L	8.98 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 11:59 AM	01:56:00	6.89 pH	17.51 °C	491.72 µS/cm	3.64 mg/L	8.24 NTU	119.7 mV	30.51 ft	110.00 ml/min
2/8/2023 12:03 PM	02:00:00	6.89 pH	17.59 °C	490.91 µS/cm	3.65 mg/L	8.08 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:07 PM	02:04:00	6.88 pH	17.66 °C	490.56 µS/cm	3.65 mg/L	7.91 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:11 PM	02:08:00	6.88 pH	17.61 °C	489.90 µS/cm	3.68 mg/L	7.93 NTU	120.1 mV	30.51 ft	110.00 ml/min
2/8/2023 12:15 PM	02:12:00	6.89 pH	17.55 °C	489.34 µS/cm	3.67 mg/L	7.55 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:19 PM	02:16:00	6.89 pH	17.51 °C	490.03 µS/cm	3.68 mg/L	7.54 NTU	120.1 mV	30.51 ft	110.00 ml/min
2/8/2023 12:23 PM	02:20:00	6.89 pH	17.72 °C	488.94 µS/cm	3.67 mg/L	6.74 NTU	119.7 mV	30.51 ft	110.00 ml/min
2/8/2023 12:27 PM	02:24:00	6.88 pH	18.05 °C	487.88 µS/cm	3.64 mg/L	6.82 NTU	119.8 mV	30.51 ft	110.00 ml/min
2/8/2023 12:31 PM	02:28:00	6.88 pH	18.22 °C	487.41 µS/cm	3.62 mg/L	6.45 NTU	119.8 mV	30.51 ft	110.00 ml/min
2/8/2023 12:35 PM	02:32:00	6.88 pH	18.36 °C	485.54 µS/cm	3.61 mg/L	6.26 NTU	120.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:39 PM	02:36:00	6.88 pH	18.60 °C	485.29 µS/cm	3.60 mg/L	6.03 NTU	120.2 mV	30.51 ft	110.00 ml/min
2/8/2023 12:43 PM	02:40:00	6.88 pH	18.74 °C	483.85 µS/cm	3.60 mg/L	5.92 NTU	120.3 mV	30.51 ft	110.00 ml/min
2/8/2023 12:47 PM	02:44:00	6.88 pH	18.80 °C	483.59 µS/cm	3.62 mg/L	5.78 NTU	121.0 mV	30.51 ft	110.00 ml/min
2/8/2023 12:51 PM	02:48:00	6.87 pH	18.84 °C	485.46 µS/cm	3.60 mg/L	5.67 NTU	121.5 mV	30.51 ft	110.00 ml/min
2/8/2023 12:55 PM	02:52:00	6.87 pH	18.75 °C	485.36 µS/cm	3.61 mg/L	5.52 NTU	121.6 mV	30.51 ft	110.00 ml/min

2/8/2023 12:59 PM	02:56:00	6.87 pH	18.80 °C	486.71 µS/cm	3.61 mg/L	5.39 NTU	121.9 mV	30.51 ft	110.00 ml/min
2/8/2023 1:03 PM	03:00:00	6.88 pH	18.57 °C	488.57 µS/cm	3.61 mg/L	5.12 NTU	122.3 mV	30.51 ft	110.00 ml/min
2/8/2023 1:07 PM	03:04:00	6.88 pH	18.66 °C	488.38 µS/cm	3.64 mg/L	4.96 NTU	122.9 mV	30.51 ft	110.00 ml/min
2/8/2023 1:11 PM	03:08:00	6.88 pH	18.93 °C	488.89 µS/cm	3.62 mg/L	4.50 NTU	123.3 mV	30.51 ft	110.00 ml/min
2/8/2023 1:15 PM	03:12:00	6.88 pH	18.99 °C	487.75 µS/cm	3.60 mg/L	4.33 NTU	123.6 mV	30.51 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWA-36RA	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 11:12:30 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWA-37 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.52 ft Total Depth: 107.52 ft Initial Depth to Water: 48.32 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.52 ft Estimated Total Volume Pumped: 11880 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 15.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 4 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/8/2023 11:12 AM	00:00	5.17 pH	17.00 °C	19.38 µS/cm	6.87 mg/L	0.37 NTU	136.8 mV	54.84 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:16 AM	04:00	5.15 pH	17.00 °C	19.43 µS/cm	6.83 mg/L	0.37 NTU	120.2 mV	55.51 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:20 AM	08:00	5.16 pH	17.00 °C	19.19 µS/cm	6.81 mg/L	0.07 NTU	115.0 mV	56.39 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:24 AM	12:00	5.18 pH	17.02 °C	19.25 µS/cm	6.76 mg/L	0.27 NTU	111.0 mV	57.28 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:28 AM	16:00	5.19 pH	17.10 °C	19.35 µS/cm	6.69 mg/L	0.09 NTU	107.5 mV	58.18 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:32 AM	20:00	5.19 pH	17.15 °C	19.54 µS/cm	6.62 mg/L	0.17 NTU	105.4 mV	59.07 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:36 AM	24:00	5.20 pH	17.23 °C	19.65 µS/cm	6.55 mg/L	0.13 NTU	103.8 mV	59.90 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:40 AM	28:00	5.22 pH	17.32 °C	19.77 µS/cm	6.46 mg/L	0.20 NTU	102.3 mV	60.71 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:44 AM	32:00	5.23 pH	17.30 °C	19.92 µS/cm	6.41 mg/L	0.14 NTU	100.6 mV	61.48 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:48 AM	36:00	5.22 pH	17.32 °C	20.06 µS/cm	6.34 mg/L	0.14 NTU	100.1 mV	62.29 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:52 AM	40:00	5.25 pH	17.36 °C	20.16 µS/cm	6.29 mg/L	0.14 NTU	99.0 mV	62.97 ft	0.01 PSU	200.00 ml/min
2/8/2023 11:56 AM	44:00	5.24 pH	17.48 °C	20.27 µS/cm	6.24 mg/L	0.20 NTU	97.9 mV	63.30 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:00 PM	48:00	5.24 pH	17.59 °C	20.32 µS/cm	6.23 mg/L	0.11 NTU	97.4 mV	63.42 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:04 PM	52:00	5.25 pH	17.72 °C	20.65 µS/cm	6.18 mg/L	0.19 NTU	97.1 mV	63.58 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:08 PM	56:00	5.27 pH	17.90 °C	20.78 µS/cm	6.14 mg/L	0.19 NTU	96.3 mV	63.74 ft	0.01 PSU	110.00 ml/min

2/8/2023 12:12 PM	01:00:00	5.27 pH	17.85 °C	21.00 µS/cm	6.16 mg/L	0.23 NTU	96.3 mV	63.90 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:16 PM	01:04:00	5.28 pH	17.85 °C	21.21 µS/cm	6.18 mg/L	0.11 NTU	96.5 mV	64.02 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:20 PM	01:08:00	5.29 pH	17.85 °C	21.28 µS/cm	6.21 mg/L	0.17 NTU	96.1 mV	64.15 ft	0.01 PSU	110.00 ml/min
2/8/2023 12:24 PM	01:12:00	5.30 pH	18.17 °C	21.39 µS/cm	6.23 mg/L	0.16 NTU	96.7 mV	64.27 ft	0.01 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-37	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 1:22:10 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWA-38 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 59.35 ft Total Depth: 69.35 ft Initial Depth to Water: 51.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 64.35 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 1.6 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/8/2023 1:22 PM	00:00	5.28 pH	19.78 °C	38.89 µS/cm	7.49 mg/L	0.20 NTU	85.0 mV	52.02 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:26 PM	04:00	5.25 pH	19.65 °C	37.92 µS/cm	7.48 mg/L	0.14 NTU	76.0 mV	52.16 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:30 PM	08:00	5.20 pH	19.55 °C	37.05 µS/cm	7.53 mg/L	0.18 NTU	73.5 mV	52.35 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:34 PM	12:00	5.19 pH	19.29 °C	36.27 µS/cm	7.52 mg/L	0.18 NTU	72.0 mV	52.50 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:38 PM	16:00	5.17 pH	19.41 °C	35.96 µS/cm	7.52 mg/L	0.18 NTU	71.0 mV	52.62 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:42 PM	20:00	5.15 pH	19.70 °C	35.25 µS/cm	7.55 mg/L	0.20 NTU	70.7 mV	52.71 ft	0.02 PSU	140.00 ml/min
2/8/2023 1:46 PM	24:00	5.13 pH	19.79 °C	34.83 µS/cm	7.49 mg/L	0.14 NTU	69.8 mV	52.80 ft	0.02 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-38	Metals, Inorganics, Alkalinity, TDS
DUP-6	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/8/2023 2:07:42 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-36A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 95.08 ft Total Depth: 105.08 ft Initial Depth to Water: 28.62 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 100.08 ft Estimated Total Volume Pumped: 6760 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/8/2023 2:07 PM	00:00	7.24 pH	18.22 °C	473.98 µS/cm	1.27 mg/L	5.98 NTU	70.1 mV	28.62 ft	150.00 ml/min
2/8/2023 2:11 PM	04:00	7.00 pH	17.92 °C	465.64 µS/cm	2.58 mg/L	3.58 NTU	93.8 mV	28.63 ft	150.00 ml/min
2/8/2023 2:15 PM	08:00	6.89 pH	17.69 °C	465.27 µS/cm	3.14 mg/L	1.58 NTU	108.5 mV	28.63 ft	150.00 ml/min
2/8/2023 2:19 PM	12:00	6.85 pH	17.60 °C	465.26 µS/cm	3.31 mg/L	1.37 NTU	116.1 mV	28.63 ft	150.00 ml/min
2/8/2023 2:23 PM	16:00	6.84 pH	17.64 °C	466.60 µS/cm	3.34 mg/L	2.31 NTU	118.5 mV	28.63 ft	150.00 ml/min
2/8/2023 2:27 PM	20:00	6.83 pH	17.86 °C	467.23 µS/cm	3.30 mg/L	4.59 NTU	120.1 mV	28.63 ft	150.00 ml/min
2/8/2023 2:31 PM	24:00	6.82 pH	17.73 °C	465.96 µS/cm	3.35 mg/L	6.16 NTU	121.2 mV	28.63 ft	130.00 ml/min
2/8/2023 2:35 PM	28:00	6.81 pH	17.89 °C	466.97 µS/cm	3.37 mg/L	5.48 NTU	120.9 mV	28.63 ft	130.00 ml/min
2/8/2023 2:39 PM	32:00	6.80 pH	17.99 °C	465.19 µS/cm	3.39 mg/L	6.26 NTU	121.0 mV	28.63 ft	130.00 ml/min
2/8/2023 2:43 PM	36:00	6.79 pH	17.95 °C	465.13 µS/cm	3.43 mg/L	6.27 NTU	121.5 mV	28.63 ft	100.00 ml/min
2/8/2023 2:47 PM	40:00	6.78 pH	17.89 °C	465.30 µS/cm	3.47 mg/L	6.77 NTU	121.8 mV	28.63 ft	100.00 ml/min
2/8/2023 2:51 PM	44:00	6.78 pH	17.98 °C	465.83 µS/cm	3.49 mg/L	4.92 NTU	121.3 mV	28.63 ft	100.00 ml/min
2/8/2023 2:55 PM	48:00	6.78 pH	17.95 °C	464.83 µS/cm	3.49 mg/L	4.79 NTU	121.4 mV	28.63 ft	100.00 ml/min
2/8/2023 2:59 PM	52:00	6.77 pH	18.23 °C	465.50 µS/cm	3.49 mg/L	4.73 NTU	121.7 mV	28.63 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWA-36A	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 10:26:15 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

<p>Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 78.79 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 9000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 10.24 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789301</p>
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Test Notes:

Prepurged 2 L

Historically, drawdown does not stabilize. DTW fell into screen interval. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 10:26 AM	00:00	7.13 pH	16.24 °C	624.02 µS/cm	4.75 mg/L	0.78 NTU	124.5 mV	81.51 ft	0.34 PSU	150.00 ml/min
2/9/2023 10:30 AM	04:00	7.15 pH	16.26 °C	631.16 µS/cm	4.55 mg/L	0.28 NTU	97.0 mV	81.83 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:34 AM	08:00	7.16 pH	16.28 °C	632.39 µS/cm	4.47 mg/L	0.35 NTU	83.4 mV	82.30 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:38 AM	12:00	7.17 pH	16.29 °C	633.65 µS/cm	4.48 mg/L	0.27 NTU	76.4 mV	82.75 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:42 AM	16:00	7.18 pH	16.29 °C	634.00 µS/cm	4.53 mg/L	0.13 NTU	72.5 mV	83.34 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:46 AM	20:00	7.18 pH	16.31 °C	634.18 µS/cm	4.59 mg/L	0.07 NTU	69.7 mV	83.88 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:50 AM	24:00	7.18 pH	16.37 °C	633.99 µS/cm	4.64 mg/L	0.14 NTU	68.5 mV	84.40 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:54 AM	28:00	7.20 pH	16.42 °C	633.55 µS/cm	4.68 mg/L	0.04 NTU	66.3 mV	84.92 ft	0.35 PSU	150.00 ml/min
2/9/2023 10:58 AM	32:00	7.20 pH	16.43 °C	633.16 µS/cm	4.72 mg/L	0.20 NTU	65.6 mV	85.50 ft	0.35 PSU	150.00 ml/min
2/9/2023 11:02 AM	36:00	7.21 pH	16.47 °C	632.47 µS/cm	4.82 mg/L	0.11 NTU	64.5 mV	86.04 ft	0.35 PSU	150.00 ml/min
2/9/2023 11:06 AM	40:00	7.22 pH	16.52 °C	630.04 µS/cm	5.04 mg/L	0.14 NTU	63.5 mV	86.60 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:10 AM	44:00	7.22 pH	16.59 °C	626.18 µS/cm	5.38 mg/L	0.19 NTU	63.1 mV	87.14 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:14 AM	48:00	7.22 pH	16.56 °C	621.63 µS/cm	5.79 mg/L	0.09 NTU	62.6 mV	87.67 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:18 AM	52:00	7.26 pH	16.56 °C	618.15 µS/cm	6.05 mg/L	0.13 NTU	60.9 mV	88.18 ft	0.34 PSU	150.00 ml/min
2/9/2023 11:22 AM	56:00	7.24 pH	16.52 °C	615.29 µS/cm	6.25 mg/L	0.02 NTU	61.5 mV	88.61 ft	0.34 PSU	150.00 ml/min

2/9/2023 11:26 AM	01:00:00	7.25 pH	16.55 °C	614.59 µS/cm	6.33 mg/L	0.01 NTU	61.0 mV	89.03 ft	0.34 PSU	150.00 ml/min
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Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 2/9/2023 10:54:23 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-22R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 109.6 ft Total Depth: 119.6 ft Initial Depth to Water: 62.6 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 114.6 ft Estimated Total Volume Pumped: 6720 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 10:54 AM	00:00	6.78 pH	16.59 °C	386.13 µS/cm	0.14 mg/L	1.18 NTU	-58.4 mV	62.60 ft	0.21 PSU	120.00 ml/min
2/9/2023 10:58 AM	04:00	6.85 pH	16.61 °C	385.92 µS/cm	0.13 mg/L	1.60 NTU	-67.1 mV	62.60 ft	0.21 PSU	120.00 ml/min
2/9/2023 11:02 AM	08:00	6.90 pH	16.64 °C	381.73 µS/cm	0.20 mg/L	0.48 NTU	-68.3 mV	62.60 ft	0.21 PSU	120.00 ml/min
2/9/2023 11:06 AM	12:00	6.93 pH	16.68 °C	373.67 µS/cm	0.55 mg/L	1.27 NTU	-63.9 mV	62.60 ft	0.20 PSU	120.00 ml/min
2/9/2023 11:10 AM	16:00	6.96 pH	16.73 °C	366.93 µS/cm	1.10 mg/L	0.58 NTU	-59.2 mV	62.60 ft	0.20 PSU	120.00 ml/min
2/9/2023 11:14 AM	20:00	6.99 pH	16.72 °C	359.97 µS/cm	1.72 mg/L	0.46 NTU	-55.3 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:18 AM	24:00	7.02 pH	16.73 °C	355.04 µS/cm	2.26 mg/L	0.50 NTU	-48.6 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:22 AM	28:00	7.02 pH	16.71 °C	350.72 µS/cm	2.67 mg/L	0.43 NTU	-42.9 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:26 AM	32:00	7.02 pH	16.72 °C	347.54 µS/cm	3.05 mg/L	0.42 NTU	-38.0 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:30 AM	36:00	7.03 pH	16.73 °C	345.21 µS/cm	3.40 mg/L	0.67 NTU	-34.4 mV	62.60 ft	0.19 PSU	120.00 ml/min
2/9/2023 11:34 AM	40:00	7.04 pH	16.74 °C	342.70 µS/cm	3.64 mg/L	0.49 NTU	-29.8 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:38 AM	44:00	7.05 pH	16.73 °C	341.48 µS/cm	3.78 mg/L	0.39 NTU	-27.0 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:42 AM	48:00	7.05 pH	16.77 °C	340.39 µS/cm	3.88 mg/L	0.40 NTU	-24.2 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:46 AM	52:00	7.05 pH	16.82 °C	339.65 µS/cm	3.96 mg/L	0.43 NTU	-21.7 mV	62.60 ft	0.18 PSU	120.00 ml/min
2/9/2023 11:50 AM	56:00	7.05 pH	16.83 °C	338.46 µS/cm	4.05 mg/L	0.34 NTU	-20.9 mV	62.60 ft	0.18 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-22R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 10:57:56 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.31 ft Total Depth: 80.31 ft Initial Depth to Water: 72.75 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.31 ft Estimated Total Volume Pumped: 2900 ml Flow Cell Volume: 90 ml Final Flow Rate: 145 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Water below screen, purged 3X well volume

Prepurge 16L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/9/2023 10:57 AM	00:00	6.50 pH	16.36 °C	217.73 µS/cm	7.22 mg/L	3.21 NTU	149.0 mV	72.75 ft	145.00 ml/min
2/9/2023 11:01 AM	04:00	6.56 pH	16.38 °C	222.29 µS/cm	7.19 mg/L	2.76 NTU	130.7 mV	72.75 ft	145.00 ml/min
2/9/2023 11:05 AM	08:00	6.60 pH	16.39 °C	226.55 µS/cm	7.18 mg/L	1.83 NTU	128.3 mV	72.75 ft	145.00 ml/min
2/9/2023 11:09 AM	12:00	6.63 pH	16.43 °C	229.20 µS/cm	7.16 mg/L	1.33 NTU	126.5 mV	72.75 ft	145.00 ml/min
2/9/2023 11:13 AM	16:00	6.66 pH	16.42 °C	231.28 µS/cm	7.15 mg/L	1.03 NTU	126.5 mV	72.75 ft	145.00 ml/min
2/9/2023 11:17 AM	20:00	6.68 pH	16.41 °C	233.14 µS/cm	7.14 mg/L	0.65 NTU	126.7 mV	72.75 ft	145.00 ml/min

Samples

Sample ID:	Description:
GWC-18	Metals, Inorganics, Alkalinity , TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 12:01:14 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-18R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.1 ft Total Depth: 140.1 ft Initial Depth to Water: 72.15 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.1 ft Estimated Total Volume Pumped: 9600 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/9/2023 12:01 PM	00:00	7.20 pH	16.49 °C	284.67 µS/cm	6.37 mg/L	3.83 NTU	143.9 mV	72.15 ft	120.00 ml/min
2/9/2023 12:05 PM	04:00	7.32 pH	16.48 °C	284.06 µS/cm	6.64 mg/L	5.36 NTU	125.2 mV	72.15 ft	120.00 ml/min
2/9/2023 12:09 PM	08:00	7.37 pH	16.52 °C	284.15 µS/cm	6.71 mg/L	5.09 NTU	121.7 mV	72.15 ft	120.00 ml/min
2/9/2023 12:13 PM	12:00	7.40 pH	16.51 °C	284.04 µS/cm	6.75 mg/L	6.76 NTU	120.2 mV	72.15 ft	120.00 ml/min
2/9/2023 12:17 PM	16:00	7.42 pH	16.48 °C	283.97 µS/cm	6.78 mg/L	7.12 NTU	119.7 mV	72.15 ft	120.00 ml/min
2/9/2023 12:21 PM	20:00	7.42 pH	16.47 °C	284.09 µS/cm	6.80 mg/L	7.93 NTU	119.4 mV	72.15 ft	120.00 ml/min
2/9/2023 12:25 PM	24:00	7.43 pH	16.48 °C	284.04 µS/cm	6.82 mg/L	7.84 NTU	119.4 mV	72.15 ft	120.00 ml/min
2/9/2023 12:29 PM	28:00	7.44 pH	16.47 °C	284.00 µS/cm	6.83 mg/L	7.73 NTU	118.8 mV	72.15 ft	120.00 ml/min
2/9/2023 12:33 PM	32:00	7.44 pH	16.44 °C	284.11 µS/cm	6.85 mg/L	7.68 NTU	119.0 mV	72.15 ft	120.00 ml/min
2/9/2023 12:37 PM	36:00	7.45 pH	16.42 °C	283.90 µS/cm	6.86 mg/L	7.32 NTU	118.9 mV	72.15 ft	120.00 ml/min
2/9/2023 12:41 PM	40:00	7.45 pH	16.48 °C	283.98 µS/cm	6.88 mg/L	7.66 NTU	118.9 mV	72.15 ft	120.00 ml/min
2/9/2023 12:45 PM	44:00	7.45 pH	16.43 °C	284.01 µS/cm	6.89 mg/L	6.88 NTU	118.6 mV	72.15 ft	120.00 ml/min
2/9/2023 12:49 PM	48:00	7.45 pH	16.48 °C	283.97 µS/cm	6.89 mg/L	6.55 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 12:53 PM	52:00	7.44 pH	16.52 °C	283.95 µS/cm	6.89 mg/L	6.43 NTU	118.6 mV	72.15 ft	120.00 ml/min
2/9/2023 12:57 PM	56:00	7.45 pH	16.49 °C	284.01 µS/cm	6.91 mg/L	6.07 NTU	118.5 mV	72.15 ft	120.00 ml/min

2/9/2023 1:01 PM	01:00:00	7.45 pH	16.48 °C	283.92 µS/cm	6.91 mg/L	5.87 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 1:05 PM	01:04:00	7.46 pH	16.43 °C	283.73 µS/cm	6.92 mg/L	5.79 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 1:09 PM	01:08:00	7.46 pH	16.46 °C	283.76 µS/cm	6.91 mg/L	5.03 NTU	118.4 mV	72.15 ft	120.00 ml/min
2/9/2023 1:13 PM	01:12:00	7.46 pH	16.47 °C	283.77 µS/cm	6.93 mg/L	4.65 NTU	118.1 mV	72.15 ft	120.00 ml/min
2/9/2023 1:17 PM	01:16:00	7.46 pH	16.44 °C	283.74 µS/cm	6.94 mg/L	4.17 NTU	118.2 mV	72.15 ft	120.00 ml/min
2/9/2023 1:21 PM	01:20:00	7.46 pH	16.43 °C	283.53 µS/cm	6.95 mg/L	3.99 NTU	118.3 mV	72.15 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-18R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 12:04:56 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 82.42 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 2000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.53 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 0.5 L

Historically, drawdown does not stabilize above screen. DTW fell into screen interval and below top of pump. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 12:04 PM	00:00	7.28 pH	16.80 °C	578.91 µS/cm	7.39 mg/L	0.74 NTU	62.7 mV	83.05 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:08 PM	04:00	7.17 pH	17.02 °C	582.51 µS/cm	7.40 mg/L	0.12 NTU	57.9 mV	83.22 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:12 PM	08:00	7.14 pH	16.98 °C	583.37 µS/cm	7.49 mg/L	0.08 NTU	57.3 mV	83.49 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:16 PM	12:00	7.14 pH	16.92 °C	584.02 µS/cm	7.51 mg/L	0.19 NTU	56.9 mV	83.69 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:20 PM	16:00	7.14 pH	16.92 °C	584.52 µS/cm	7.52 mg/L	0.19 NTU	56.2 mV	83.95 ft	0.32 PSU	100.00 ml/min
2/9/2023 12:24 PM	20:00	7.14 pH	16.87 °C	585.67 µS/cm	7.53 mg/L	0.29 NTU	56.1 mV		0.32 PSU	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 2/9/2023 1:04:22 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 37.86 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 2640 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 2.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 0.5 L

Historically, drawdown does not stabilize above screen. DTW fell into screen interval and below top of pump. Complete evac performed. Water had strong odor and organics.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 1:04 PM	00:00	6.93 pH	16.63 °C	898.07 µS/cm	1.62 mg/L	0.18 NTU	-16.1 mV	38.88 ft	0.50 PSU	110.00 ml/min
2/9/2023 1:08 PM	04:00	6.96 pH	16.78 °C	879.75 µS/cm	0.54 mg/L	0.34 NTU	-26.0 mV	39.28 ft	0.49 PSU	110.00 ml/min
2/9/2023 1:12 PM	08:00	6.99 pH	16.78 °C	871.29 µS/cm	0.32 mg/L	0.65 NTU	-33.4 mV	39.86 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:16 PM	12:00	6.99 pH	16.80 °C	868.36 µS/cm	0.22 mg/L	0.99 NTU	-39.5 mV	39.94 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:20 PM	16:00	6.96 pH	16.83 °C	871.06 µS/cm	0.16 mg/L	2.10 NTU	-46.2 mV	40.01 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:24 PM	20:00	6.95 pH	16.80 °C	873.08 µS/cm	0.13 mg/L	4.30 NTU	-49.0 mV	40.05 ft	0.48 PSU	110.00 ml/min
2/9/2023 1:28 PM	24:00	6.99 pH	16.78 °C	889.62 µS/cm	0.14 mg/L	2.69 NTU	-46.9 mV		0.49 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 2/9/2023 1:18:32 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-24R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.11 ft Total Depth: 40.11 ft Initial Depth to Water: 23.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 35.11 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.97 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2.5 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 1:18 PM	00:00	7.37 pH	16.73 °C	293.89 µS/cm	2.70 mg/L	0.29 NTU	26.3 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:22 PM	04:00	7.37 pH	16.57 °C	293.42 µS/cm	3.27 mg/L	0.81 NTU	6.8 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:26 PM	08:00	7.39 pH	16.55 °C	293.06 µS/cm	3.54 mg/L	0.26 NTU	1.7 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:30 PM	12:00	7.40 pH	16.54 °C	292.73 µS/cm	3.71 mg/L	0.43 NTU	-1.9 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:34 PM	16:00	7.42 pH	16.55 °C	292.34 µS/cm	3.86 mg/L	0.21 NTU	-2.5 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:38 PM	20:00	7.43 pH	16.55 °C	292.00 µS/cm	3.95 mg/L	0.29 NTU	-4.9 mV	24.48 ft	0.16 PSU	140.00 ml/min
2/9/2023 1:42 PM	24:00	7.44 pH	16.55 °C	292.14 µS/cm	3.95 mg/L	0.07 NTU	-6.1 mV	24.48 ft	0.16 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-24R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 2:08:30 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-19R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 136.6 ft Total Depth: 146.6 ft Initial Depth to Water: 75.95 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 141.6 ft Estimated Total Volume Pumped: 2000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

pH out of range

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/9/2023 2:08 PM	00:00	7.43 pH	17.30 °C	301.29 µS/cm	7.32 mg/L	1.37 NTU	133.6 mV	75.95 ft	100.00 ml/min
2/9/2023 2:12 PM	04:00	7.38 pH	17.24 °C	301.63 µS/cm	6.58 mg/L	2.19 NTU	121.1 mV	75.95 ft	100.00 ml/min
2/9/2023 2:16 PM	08:00	7.38 pH	17.22 °C	301.90 µS/cm	6.64 mg/L	0.41 NTU	119.4 mV	75.95 ft	100.00 ml/min
2/9/2023 2:20 PM	12:00	7.38 pH	17.22 °C	301.99 µS/cm	6.63 mg/L	0.09 NTU	118.5 mV	75.95 ft	100.00 ml/min
2/9/2023 2:24 PM	16:00	7.38 pH	17.21 °C	302.07 µS/cm	6.65 mg/L	0.04 NTU	118.4 mV	75.95 ft	100.00 ml/min
2/9/2023 2:28 PM	20:00	7.38 pH	17.20 °C	302.27 µS/cm	6.67 mg/L	0.02 NTU	118.3 mV	75.95 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-19R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/9/2023 2:08:31 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-21R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.59 ft Total Depth: 90.59 ft Initial Depth to Water: 70.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.59 ft Estimated Total Volume Pumped: 4620 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 5.25 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 2:08 PM	00:00	7.10 pH	17.09 °C	603.96 µS/cm	0.74 mg/L	1.25 NTU	20.6 mV	73.74 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:12 PM	04:00	7.10 pH	17.11 °C	602.34 µS/cm	0.50 mg/L	0.77 NTU	29.2 mV	73.96 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:16 PM	08:00	7.11 pH	17.11 °C	599.67 µS/cm	0.40 mg/L	0.19 NTU	31.6 mV	74.23 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:20 PM	12:00	7.11 pH	17.13 °C	599.51 µS/cm	0.41 mg/L	0.11 NTU	32.5 mV	74.50 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:24 PM	16:00	7.11 pH	17.14 °C	598.65 µS/cm	0.46 mg/L	0.10 NTU	34.1 mV	74.71 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:28 PM	20:00	7.11 pH	17.10 °C	598.42 µS/cm	0.53 mg/L	0.12 NTU	34.9 mV	74.92 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:32 PM	24:00	7.11 pH	17.09 °C	598.55 µS/cm	0.59 mg/L	0.13 NTU	35.9 mV	75.11 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:36 PM	28:00	7.12 pH	17.09 °C	600.58 µS/cm	0.65 mg/L	0.20 NTU	36.5 mV	75.27 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:40 PM	32:00	7.12 pH	17.09 °C	601.54 µS/cm	0.68 mg/L	0.15 NTU	36.6 mV	75.42 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:44 PM	36:00	7.12 pH	17.10 °C	602.76 µS/cm	0.72 mg/L	0.04 NTU	36.9 mV	75.56 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:48 PM	40:00	7.12 pH	17.10 °C	605.15 µS/cm	0.76 mg/L	0.23 NTU	37.0 mV	75.69 ft	0.33 PSU	105.00 ml/min
2/9/2023 2:52 PM	44:00	7.13 pH	17.01 °C	605.72 µS/cm	0.81 mg/L	0.12 NTU	37.4 mV	75.80 ft	0.33 PSU	105.00 ml/min

Samples

Sample ID:	Description:
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GWC-21R

Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 2/9/2023 2:36:20 PM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-25R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.97 ft Total Depth: 99.97 ft Initial Depth to Water: 22.5 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 94.97 ft Estimated Total Volume Pumped: 1920 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/9/2023 2:36 PM	00:00	7.46 pH	16.41 °C	320.53 µS/cm	6.34 mg/L	0.33 NTU	79.4 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:40 PM	04:00	7.47 pH	16.37 °C	319.95 µS/cm	6.54 mg/L	0.43 NTU	71.7 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:44 PM	08:00	7.50 pH	16.37 °C	320.15 µS/cm	6.65 mg/L	0.12 NTU	71.6 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:48 PM	12:00	7.50 pH	16.34 °C	320.03 µS/cm	6.68 mg/L	0.09 NTU	72.5 mV	22.50 ft	0.17 PSU	120.00 ml/min
2/9/2023 2:52 PM	16:00	7.51 pH	16.32 °C	320.26 µS/cm	6.70 mg/L	0.10 NTU	73.1 mV	22.50 ft	0.17 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-25R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 9:50:57 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 85.44 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.59 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Complete evac on 2/9/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/10/2023 9:50 AM	00:00	7.01 pH	13.27 °C	631.88 µS/cm	7.65 mg/L	0.28 NTU	155.6 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:51 AM	00:20	7.01 pH	13.45 °C	634.77 µS/cm	7.60 mg/L		140.4 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:51 AM	00:40	7.02 pH	13.61 °C	638.66 µS/cm	7.60 mg/L		127.3 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:51 AM	01:00	7.03 pH	13.78 °C	634.85 µS/cm	7.55 mg/L		113.9 mV	85.90 ft	0.35 PSU	120.00 ml/min
2/10/2023 9:52 AM	01:20	7.02 pH	13.90 °C	634.51 µS/cm	7.46 mg/L	0.12 NTU	103.4 mV	86.03 ft	0.35 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-16R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 9:57:10 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-20R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 77.47 ft Total Depth: 87.47 ft Initial Depth to Water: 70.25 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 82.47 ft Estimated Total Volume Pumped: 2600 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/10/2023 9:57 AM	00:00	7.16 pH	15.42 °C	334.80 µS/cm	7.81 mg/L	0.20 NTU	163.0 mV	70.25 ft	130.00 ml/min
2/10/2023 10:01 AM	04:00	7.25 pH	15.68 °C	314.52 µS/cm	7.37 mg/L	0.16 NTU	132.7 mV	70.25 ft	130.00 ml/min
2/10/2023 10:05 AM	08:00	7.30 pH	15.87 °C	307.97 µS/cm	7.29 mg/L	0.14 NTU	126.4 mV	70.26 ft	130.00 ml/min
2/10/2023 10:09 AM	12:00	7.32 pH	15.94 °C	305.46 µS/cm	7.28 mg/L	0.29 NTU	125.5 mV	70.27 ft	130.00 ml/min
2/10/2023 10:13 AM	16:00	7.33 pH	16.02 °C	308.09 µS/cm	7.22 mg/L	0.14 NTU	122.6 mV	70.27 ft	130.00 ml/min
2/10/2023 10:17 AM	20:00	7.34 pH	16.07 °C	313.45 µS/cm	7.13 mg/L	0.21 NTU	122.3 mV	70.27 ft	130.00 ml/min

Samples

Sample ID:	Description:
GWC-20R	Metals, Inorganics, Alkalinity, TDS
DUP-7	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 10:34:40 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 83.26 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Complete evac on 2/9/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/10/2023 10:34 AM	00:00	7.17 pH	15.21 °C	593.05 µS/cm	7.93 mg/L	0.24 NTU	88.1 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:35 AM	00:20	7.15 pH	15.22 °C	590.07 µS/cm	7.92 mg/L		76.6 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:35 AM	00:40	7.14 pH	15.23 °C	591.35 µS/cm	7.91 mg/L		70.4 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:35 AM	01:00	7.13 pH	15.25 °C	591.25 µS/cm	7.91 mg/L		66.5 mV	83.26 ft	0.32 PSU	110.00 ml/min
2/10/2023 10:36 AM	01:20	7.12 pH	15.26 °C	592.15 µS/cm	7.92 mg/L	0.24 NTU	64.8 mV	83.26 ft	0.32 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-17R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 11:16:15 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 38.13 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Complete evac on 2/9/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/10/2023 11:16 AM	00:00	7.03 pH	14.04 °C	914.09 µS/cm	0.79 mg/L	2.88 NTU	10.4 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:16 AM	00:20	7.02 pH	14.08 °C	916.72 µS/cm	0.80 mg/L		18.9 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:16 AM	00:40	7.01 pH	14.16 °C	916.46 µS/cm	0.81 mg/L		20.7 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:17 AM	01:00	7.01 pH	14.22 °C	915.06 µS/cm	0.81 mg/L		22.8 mV	38.13 ft	0.51 PSU	110.00 ml/min
2/10/2023 11:17 AM	01:20	7.01 pH	14.26 °C	915.13 µS/cm	0.81 mg/L	2.88 NTU	22.3 mV	38.13 ft	0.51 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-23R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/10/2023 11:58:43 AM

Project: Plant Bowen LF Cells 3&4 February 2023

Operator Name: William Laaker

Location Name: SPRING	Tubing Type: LDPE Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:
Spring Surface

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %
2/10/2023 11:58 AM	00:00	7.61 pH	14.03 °C	283.70 µS/cm	9.76 mg/L	4.45 NTU	85.2 mV		0.15 PSU
2/10/2023 11:59 AM	00:20	7.56 pH	14.22 °C	267.86 µS/cm	8.18 mg/L		75.8 mV		0.14 PSU
2/10/2023 11:59 AM	00:40	7.50 pH	14.36 °C	265.81 µS/cm	6.90 mg/L		68.7 mV		0.14 PSU
2/10/2023 11:59 AM	01:00	7.46 pH	14.49 °C	264.76 µS/cm	6.37 mg/L		63.6 mV		0.14 PSU
2/10/2023 12:00 PM	01:20	7.42 pH	14.58 °C	264.15 µS/cm	6.07 mg/L	4.45 NTU	60.7 mV		0.14 PSU

Samples

Sample ID:	Description:
SPRING	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 10:01:49 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-42 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 73.36 ft Total Depth: 84.36 ft Initial Depth to Water: 73.41 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 78.36 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/13/2023 10:01 AM	00:00	6.65 pH	15.04 °C	303.09 µS/cm	6.05 mg/L	8.27 NTU	165.3 mV	73.41 ft	120.00 ml/min
2/13/2023 10:05 AM	04:00	6.73 pH	15.45 °C	302.32 µS/cm	5.20 mg/L	11.41 NTU	134.4 mV	73.42 ft	120.00 ml/min
2/13/2023 10:09 AM	08:00	6.77 pH	15.61 °C	296.57 µS/cm	5.13 mg/L	10.63 NTU	125.8 mV	73.42 ft	120.00 ml/min
2/13/2023 10:13 AM	12:00	6.80 pH	15.78 °C	289.81 µS/cm	5.04 mg/L	8.67 NTU	118.8 mV	73.42 ft	120.00 ml/min
2/13/2023 10:17 AM	16:00	6.80 pH	15.85 °C	287.93 µS/cm	4.96 mg/L	6.07 NTU	116.9 mV	73.42 ft	120.00 ml/min
2/13/2023 10:21 AM	20:00	6.81 pH	15.80 °C	289.95 µS/cm	4.94 mg/L	5.55 NTU	115.6 mV	73.42 ft	120.00 ml/min
2/13/2023 10:25 AM	24:00	6.82 pH	15.90 °C	288.25 µS/cm	4.91 mg/L	4.37 NTU	115.5 mV	73.42 ft	120.00 ml/min
2/13/2023 10:29 AM	28:00	6.82 pH	15.95 °C	289.88 µS/cm	4.92 mg/L	3.81 NTU	115.0 mV	73.42 ft	120.00 ml/min
2/13/2023 10:33 AM	32:00	6.83 pH	16.01 °C	289.22 µS/cm	4.94 mg/L	2.84 NTU	114.8 mV	73.42 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWA-42	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 10:56:34 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-39Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107.54 ft Total Depth: 117.54 ft Initial Depth to Water: 63.53 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112.54 ft Estimated Total Volume Pumped: 15660 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0.29 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/13/2023 10:56 AM	00:00	6.04 pH	14.16 °C	43.43 µS/cm	7.56 mg/L	3.05 NTU	121.7 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:00 AM	04:00	5.84 pH	14.22 °C	41.15 µS/cm	7.72 mg/L	2.81 NTU	97.8 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:04 AM	08:00	5.72 pH	14.23 °C	41.00 µS/cm	7.87 mg/L	2.19 NTU	86.5 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:08 AM	12:00	5.67 pH	14.28 °C	41.99 µS/cm	7.97 mg/L	1.63 NTU	80.1 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:12 AM	16:00	5.65 pH	14.34 °C	44.25 µS/cm	8.08 mg/L	1.35 NTU	73.9 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:16 AM	20:00	5.67 pH	14.34 °C	46.74 µS/cm	8.14 mg/L	1.05 NTU	73.5 mV	63.82 ft	0.02 PSU	135.00 ml/min
2/13/2023 11:20 AM	24:00	5.70 pH	14.41 °C	49.81 µS/cm	8.20 mg/L	0.91 NTU	69.1 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:24 AM	28:00	5.74 pH	14.43 °C	52.91 µS/cm	8.26 mg/L	0.86 NTU	67.5 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:28 AM	32:00	5.77 pH	14.48 °C	56.23 µS/cm	8.28 mg/L	0.78 NTU	66.2 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:32 AM	36:00	5.81 pH	14.43 °C	59.66 µS/cm	8.32 mg/L	0.77 NTU	64.6 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:36 AM	40:00	5.86 pH	14.52 °C	63.11 µS/cm	8.35 mg/L	0.71 NTU	64.4 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:40 AM	44:00	5.90 pH	14.54 °C	66.79 µS/cm	8.36 mg/L	0.68 NTU	62.6 mV	63.82 ft	0.03 PSU	135.00 ml/min
2/13/2023 11:44 AM	48:00	5.93 pH	14.49 °C	70.46 µS/cm	8.37 mg/L	0.73 NTU	62.1 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 11:48 AM	52:00	5.98 pH	14.50 °C	73.94 µS/cm	8.39 mg/L	0.58 NTU	61.0 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 11:52 AM	56:00	6.00 pH	14.54 °C	77.86 µS/cm	8.39 mg/L	0.57 NTU	60.5 mV	63.82 ft	0.04 PSU	135.00 ml/min

2/13/2023 11:56 AM	01:00:00	6.04 pH	14.57 °C	81.53 µS/cm	8.39 mg/L	0.61 NTU	60.0 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 12:00 PM	01:04:00	6.05 pH	14.62 °C	85.17 µS/cm	8.40 mg/L	0.56 NTU	59.9 mV	63.82 ft	0.04 PSU	135.00 ml/min
2/13/2023 12:04 PM	01:08:00	6.10 pH	14.69 °C	89.00 µS/cm	8.39 mg/L	0.57 NTU	58.9 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:08 PM	01:12:00	6.13 pH	14.67 °C	92.82 µS/cm	8.36 mg/L	0.53 NTU	58.5 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:12 PM	01:16:00	6.14 pH	14.72 °C	96.43 µS/cm	8.37 mg/L	0.56 NTU	58.1 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:16 PM	01:20:00	6.16 pH	14.78 °C	100.05 µS/cm	8.34 mg/L	0.52 NTU	57.7 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:20 PM	01:24:00	6.19 pH	14.94 °C	103.38 µS/cm	8.32 mg/L	0.45 NTU	57.6 mV	63.82 ft	0.05 PSU	135.00 ml/min
2/13/2023 12:24 PM	01:28:00	6.20 pH	15.14 °C	106.70 µS/cm	8.29 mg/L	0.51 NTU	57.3 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:28 PM	01:32:00	6.23 pH	15.03 °C	110.06 µS/cm	8.29 mg/L	0.49 NTU	56.4 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:32 PM	01:36:00	6.26 pH	15.03 °C	113.20 µS/cm	8.28 mg/L	0.55 NTU	56.3 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:36 PM	01:40:00	6.28 pH	15.00 °C	116.74 µS/cm	8.26 mg/L	0.47 NTU	55.9 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:40 PM	01:44:00	6.29 pH	15.08 °C	119.33 µS/cm	8.26 mg/L	0.50 NTU	56.0 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:44 PM	01:48:00	6.32 pH	15.12 °C	122.35 µS/cm	8.24 mg/L	0.52 NTU	55.7 mV	63.82 ft	0.06 PSU	135.00 ml/min
2/13/2023 12:48 PM	01:52:00	6.34 pH	15.07 °C	125.24 µS/cm	8.23 mg/L	0.50 NTU	55.6 mV	63.82 ft	0.07 PSU	135.00 ml/min
2/13/2023 12:52 PM	01:56:00	6.35 pH	15.03 °C	128.19 µS/cm	8.21 mg/L	0.44 NTU	55.4 mV	63.82 ft	0.07 PSU	135.00 ml/min

Samples

Sample ID:	Description:
GWA-39Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 11:46:58 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-41R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 121.05 ft Total Depth: 131.05 ft Initial Depth to Water: 76.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 126.05 ft Estimated Total Volume Pumped: 3240 ml Flow Cell Volume: 90 ml Final Flow Rate: 135 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/13/2023 11:46 AM	00:00	6.90 pH	16.39 °C	346.13 µS/cm	5.94 mg/L	2.29 NTU	57.5 mV	76.30 ft	135.00 ml/min
2/13/2023 11:50 AM	04:00	6.64 pH	16.57 °C	313.65 µS/cm	1.73 mg/L	1.93 NTU	36.8 mV	76.30 ft	135.00 ml/min
2/13/2023 11:54 AM	08:00	6.51 pH	16.63 °C	292.06 µS/cm	0.62 mg/L	1.92 NTU	25.5 mV	76.30 ft	135.00 ml/min
2/13/2023 11:58 AM	12:00	6.48 pH	16.71 °C	285.90 µS/cm	0.36 mg/L	2.25 NTU	20.9 mV	76.30 ft	135.00 ml/min
2/13/2023 12:02 PM	16:00	6.46 pH	16.81 °C	284.32 µS/cm	0.29 mg/L	1.14 NTU	20.1 mV	76.30 ft	135.00 ml/min
2/13/2023 12:06 PM	20:00	6.45 pH	16.97 °C	283.48 µS/cm	0.26 mg/L	1.01 NTU	17.9 mV	76.30 ft	135.00 ml/min
2/13/2023 12:10 PM	24:00	6.45 pH	16.97 °C	282.69 µS/cm	0.23 mg/L	1.00 NTU	20.0 mV	76.30 ft	135.00 ml/min

Samples

Sample ID:	Description:
GWA-41R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 1:29:24 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-41 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 92.5 ft Total Depth: 102.5 ft Initial Depth to Water: 75.42 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 97.5 ft Estimated Total Volume Pumped: 9200 ml Flow Cell Volume: 90 ml Final Flow Rate: 115 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/13/2023 1:29 PM	00:00	6.12 pH	17.73 °C	99.23 µS/cm	6.36 mg/L	0.53 NTU	87.7 mV	75.42 ft	115.00 ml/min
2/13/2023 1:33 PM	04:00	5.79 pH	17.60 °C	81.39 µS/cm	6.67 mg/L	0.47 NTU	103.7 mV	75.42 ft	115.00 ml/min
2/13/2023 1:37 PM	08:00	5.65 pH	17.51 °C	77.76 µS/cm	6.79 mg/L	0.66 NTU	108.8 mV	75.42 ft	115.00 ml/min
2/13/2023 1:41 PM	12:00	5.57 pH	17.46 °C	76.97 µS/cm	6.74 mg/L	0.93 NTU	111.7 mV	75.42 ft	115.00 ml/min
2/13/2023 1:45 PM	16:00	5.55 pH	17.48 °C	79.54 µS/cm	6.71 mg/L	0.79 NTU	112.4 mV	75.42 ft	115.00 ml/min
2/13/2023 1:49 PM	20:00	5.58 pH	17.42 °C	88.08 µS/cm	6.59 mg/L	0.84 NTU	111.8 mV	75.42 ft	115.00 ml/min
2/13/2023 1:53 PM	24:00	5.63 pH	17.39 °C	100.26 µS/cm	6.48 mg/L	0.71 NTU	109.5 mV	75.42 ft	115.00 ml/min
2/13/2023 1:57 PM	28:00	5.71 pH	17.38 °C	113.95 µS/cm	6.39 mg/L	0.53 NTU	106.3 mV	75.42 ft	115.00 ml/min
2/13/2023 2:01 PM	32:00	5.78 pH	17.42 °C	127.82 µS/cm	6.30 mg/L	0.51 NTU	104.8 mV	75.42 ft	115.00 ml/min
2/13/2023 2:05 PM	36:00	5.84 pH	17.45 °C	143.42 µS/cm	6.22 mg/L	0.47 NTU	103.8 mV	75.42 ft	115.00 ml/min
2/13/2023 2:09 PM	40:00	5.90 pH	17.42 °C	158.23 µS/cm	6.21 mg/L	0.60 NTU	104.2 mV	75.42 ft	115.00 ml/min
2/13/2023 2:13 PM	44:00	5.97 pH	17.45 °C	175.12 µS/cm	6.17 mg/L	0.55 NTU	104.5 mV	75.42 ft	115.00 ml/min
2/13/2023 2:17 PM	48:00	6.02 pH	17.37 °C	187.03 µS/cm	6.17 mg/L	0.50 NTU	105.9 mV	75.42 ft	115.00 ml/min
2/13/2023 2:21 PM	52:00	6.06 pH	17.40 °C	198.70 µS/cm	6.14 mg/L	0.41 NTU	107.2 mV	75.42 ft	115.00 ml/min
2/13/2023 2:25 PM	56:00	6.10 pH	17.37 °C	209.59 µS/cm	6.08 mg/L	0.55 NTU	108.2 mV	75.42 ft	115.00 ml/min

2/13/2023 2:29 PM	01:00:00	6.13 pH	17.42 °C	218.84 µS/cm	6.08 mg/L	0.36 NTU	109.6 mV	75.42 ft	115.00 ml/min
2/13/2023 2:33 PM	01:04:00	6.17 pH	17.41 °C	228.14 µS/cm	6.08 mg/L	0.36 NTU	110.4 mV	75.42 ft	115.00 ml/min
2/13/2023 2:37 PM	01:08:00	6.19 pH	17.36 °C	232.16 µS/cm	6.04 mg/L	0.36 NTU	111.5 mV	75.42 ft	115.00 ml/min
2/13/2023 2:41 PM	01:12:00	6.21 pH	17.40 °C	237.91 µS/cm	6.05 mg/L	0.37 NTU	112.1 mV	75.42 ft	115.00 ml/min
2/13/2023 2:45 PM	01:16:00	6.23 pH	17.35 °C	241.69 µS/cm	6.06 mg/L	0.32 NTU	112.6 mV	75.42 ft	115.00 ml/min
2/13/2023 2:49 PM	01:20:00	6.25 pH	17.38 °C	246.43 µS/cm	6.03 mg/L	0.26 NTU	113.6 mV	75.42 ft	115.00 ml/min

Samples

Sample ID:	Description:
GWA-41	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 1:57:15 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-40 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 145.02 ft Total Depth: 155.02 ft Initial Depth to Water: 66.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 150.02 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/13/2023 1:57 PM	00:00	6.81 pH	17.45 °C	167.04 µS/cm	6.88 mg/L	0.28 NTU	52.6 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:01 PM	04:00	6.83 pH	17.45 °C	166.86 µS/cm	8.53 mg/L	0.82 NTU	51.3 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:05 PM	08:00	6.85 pH	17.45 °C	168.39 µS/cm	8.81 mg/L	0.06 NTU	52.0 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:09 PM	12:00	6.89 pH	17.47 °C	169.29 µS/cm	8.97 mg/L	0.29 NTU	51.3 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:13 PM	16:00	6.91 pH	17.50 °C	170.86 µS/cm	9.05 mg/L	0.89 NTU	51.1 mV	66.41 ft	0.09 PSU	150.00 ml/min
2/13/2023 2:17 PM	20:00	6.94 pH	17.51 °C	173.49 µS/cm	9.12 mg/L	0.28 NTU	50.9 mV	66.41 ft	0.09 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-40	Metals, Inorganics, Alkalinity, TDS
DUP-8	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/13/2023 3:19:45 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-43R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 104.58 ft Total Depth: 114.58 ft Initial Depth to Water: 49.11 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 109.58 ft Estimated Total Volume Pumped: 6240 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/13/2023 3:19 PM	00:00	7.59 pH	16.89 °C	273.59 µS/cm	7.40 mg/L	0.44 NTU	43.0 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:23 PM	04:00	7.67 pH	16.65 °C	275.41 µS/cm	7.46 mg/L	0.51 NTU	46.0 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:27 PM	08:00	7.72 pH	16.58 °C	275.14 µS/cm	7.54 mg/L	0.82 NTU	46.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:31 PM	12:00	7.75 pH	16.51 °C	274.52 µS/cm	7.57 mg/L	1.29 NTU	47.2 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:35 PM	16:00	7.78 pH	16.49 °C	274.29 µS/cm	7.64 mg/L	2.14 NTU	46.9 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:39 PM	20:00	7.79 pH	16.47 °C	274.12 µS/cm	7.69 mg/L	3.11 NTU	47.4 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:43 PM	24:00	7.80 pH	16.41 °C	273.92 µS/cm	7.71 mg/L	3.77 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:47 PM	28:00	7.81 pH	16.33 °C	273.49 µS/cm	7.75 mg/L	4.07 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:51 PM	32:00	7.81 pH	16.28 °C	273.17 µS/cm	7.78 mg/L	4.31 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:55 PM	36:00	7.81 pH	16.23 °C	273.45 µS/cm	7.83 mg/L	4.74 NTU	47.7 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 3:59 PM	40:00	7.82 pH	16.20 °C	273.17 µS/cm	7.85 mg/L	4.65 NTU	47.8 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 4:03 PM	44:00	7.82 pH	16.16 °C	272.89 µS/cm	7.85 mg/L	4.68 NTU	47.6 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 4:07 PM	48:00	7.82 pH	16.11 °C	272.83 µS/cm	7.87 mg/L	4.63 NTU	47.7 mV	49.21 ft	0.15 PSU	120.00 ml/min
2/13/2023 4:11 PM	52:00	7.82 pH	16.11 °C	272.74 µS/cm	7.87 mg/L	4.62 NTU	47.7 mV	49.21 ft	0.15 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-43R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 9:56:22 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWA-43 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.53 ft Total Depth: 92.53 ft Initial Depth to Water: 48.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.53 ft Estimated Total Volume Pumped: 12000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.26 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Pumped additional time for pH to come into range with no effect.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 9:56 AM	00:00	6.07 pH	14.94 °C	32.49 µS/cm	7.07 mg/L	1.27 NTU	138.0 mV	49.24 ft	0.02 PSU	200.00 ml/min
2/14/2023 10:00 AM	04:00	5.53 pH	15.25 °C	28.64 µS/cm	7.20 mg/L	3.64 NTU	106.4 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:04 AM	08:00	5.24 pH	15.32 °C	26.28 µS/cm	7.43 mg/L	5.72 NTU	87.4 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:08 AM	12:00	5.13 pH	15.38 °C	24.63 µS/cm	7.53 mg/L	4.87 NTU	78.2 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:12 AM	16:00	5.11 pH	15.44 °C	24.13 µS/cm	7.58 mg/L	3.77 NTU	71.7 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:16 AM	20:00	5.11 pH	15.54 °C	23.63 µS/cm	7.60 mg/L	3.15 NTU	69.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:20 AM	24:00	5.10 pH	15.53 °C	23.41 µS/cm	7.62 mg/L	2.31 NTU	67.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:24 AM	28:00	5.10 pH	15.75 °C	23.48 µS/cm	7.62 mg/L	1.81 NTU	65.6 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:28 AM	32:00	5.09 pH	15.89 °C	23.57 µS/cm	7.62 mg/L	1.43 NTU	65.1 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:32 AM	36:00	5.12 pH	15.66 °C	23.77 µS/cm	7.61 mg/L	1.07 NTU	63.7 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:36 AM	40:00	5.12 pH	15.71 °C	23.98 µS/cm	7.64 mg/L	0.87 NTU	63.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:40 AM	44:00	5.19 pH	15.75 °C	24.71 µS/cm	7.64 mg/L	0.93 NTU	60.9 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:44 AM	48:00	5.19 pH	15.98 °C	24.55 µS/cm	7.63 mg/L	0.71 NTU	61.0 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:48 AM	52:00	5.20 pH	16.23 °C	24.88 µS/cm	7.59 mg/L	0.69 NTU	60.5 mV	49.24 ft	0.01 PSU	200.00 ml/min
2/14/2023 10:52 AM	56:00	5.23 pH	15.98 °C	25.56 µS/cm	7.63 mg/L	1.03 NTU	59.9 mV	49.24 ft	0.01 PSU	200.00 ml/min

2/14/2023 10:56 AM	01:00:00	5.24 pH	16.06 °C	25.99 µS/cm	7.61 mg/L	1.01 NTU	59.6 mV	49.24 ft	0.01 PSU	200.00 ml/min
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Samples

Sample ID:	Description:
GWA-43	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 10:16:58 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWA-39RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.07 ft Total Depth: 140.07 ft Initial Depth to Water: 68.05 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 97.5 ft Estimated Total Volume Pumped: 65120 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 57.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 5.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/14/2023 10:16 AM	00:00	7.37 pH	15.13 °C	307.47 µS/cm	0.28 mg/L	1.41 NTU	83.0 mV	68.05 ft	300.00 ml/min
2/14/2023 10:20 AM	04:00	7.36 pH	15.07 °C	303.81 µS/cm	0.77 mg/L	1.34 NTU	76.9 mV	69.50 ft	300.00 ml/min
2/14/2023 10:24 AM	08:00	7.34 pH	15.08 °C	296.77 µS/cm	1.84 mg/L	1.91 NTU	75.6 mV	70.08 ft	300.00 ml/min
2/14/2023 10:28 AM	12:00	7.31 pH	15.10 °C	295.31 µS/cm	2.26 mg/L	1.47 NTU	74.8 mV	72.36 ft	300.00 ml/min
2/14/2023 10:32 AM	16:00	7.30 pH	15.07 °C	295.63 µS/cm	2.40 mg/L	1.39 NTU	73.1 mV	73.71 ft	300.00 ml/min
2/14/2023 10:36 AM	20:00	7.29 pH	15.06 °C	294.65 µS/cm	2.50 mg/L	2.02 NTU	71.9 mV	75.00 ft	300.00 ml/min
2/14/2023 10:40 AM	24:00	7.29 pH	15.13 °C	294.44 µS/cm	2.53 mg/L	1.58 NTU	70.7 mV	76.45 ft	300.00 ml/min
2/14/2023 10:44 AM	28:00	7.29 pH	15.17 °C	295.40 µS/cm	2.57 mg/L	1.93 NTU	67.9 mV	77.73 ft	300.00 ml/min
2/14/2023 10:48 AM	32:00	7.29 pH	15.18 °C	295.09 µS/cm	2.59 mg/L	1.77 NTU	67.1 mV	79.10 ft	300.00 ml/min
2/14/2023 10:52 AM	36:00	7.29 pH	15.22 °C	295.45 µS/cm	2.62 mg/L	2.18 NTU	66.8 mV	80.38 ft	300.00 ml/min
2/14/2023 10:56 AM	40:00	7.29 pH	15.18 °C	296.61 µS/cm	2.63 mg/L	1.72 NTU	64.9 mV	81.58 ft	300.00 ml/min
2/14/2023 11:00 AM	44:00	7.29 pH	15.20 °C	296.59 µS/cm	2.64 mg/L	1.33 NTU	63.8 mV	82.88 ft	300.00 ml/min
2/14/2023 11:04 AM	48:00	7.29 pH	15.21 °C	296.46 µS/cm	2.67 mg/L	1.76 NTU	64.1 mV	84.10 ft	300.00 ml/min
2/14/2023 11:08 AM	52:00	7.29 pH	15.26 °C	297.04 µS/cm	2.66 mg/L	1.32 NTU	64.9 mV	85.28 ft	300.00 ml/min
2/14/2023 11:12 AM	56:00	7.30 pH	15.31 °C	297.47 µS/cm	2.65 mg/L	1.17 NTU	65.7 mV	86.54 ft	300.00 ml/min

2/14/2023 11:16 AM	01:00:00	7.30 pH	15.31 °C	297.55 µS/cm	2.69 mg/L	1.02 NTU	68.5 mV	87.72 ft	300.00 ml/min
2/14/2023 11:20 AM	01:04:00	7.31 pH	15.31 °C	297.72 µS/cm	2.69 mg/L	1.06 NTU	69.4 mV	88.88 ft	300.00 ml/min
2/14/2023 11:24 AM	01:08:00	7.31 pH	15.31 °C	298.03 µS/cm	2.70 mg/L	1.01 NTU	68.8 mV	90.10 ft	300.00 ml/min
2/14/2023 11:28 AM	01:12:00	7.31 pH	15.31 °C	298.72 µS/cm	2.71 mg/L	1.33 NTU	66.3 mV	91.23 ft	300.00 ml/min
2/14/2023 11:32 AM	01:16:00	7.31 pH	15.34 °C	298.84 µS/cm	2.73 mg/L	1.23 NTU	68.0 mV	92.40 ft	300.00 ml/min
2/14/2023 11:36 AM	01:20:00	7.32 pH	15.34 °C	299.70 µS/cm	2.75 mg/L	1.01 NTU	70.0 mV	93.51 ft	300.00 ml/min
2/14/2023 11:40 AM	01:24:00	7.33 pH	15.33 °C	301.37 µS/cm	2.70 mg/L	1.23 NTU	66.6 mV	94.60 ft	300.00 ml/min
2/14/2023 11:44 AM	01:28:00	7.33 pH	15.33 °C	300.17 µS/cm	2.69 mg/L	1.40 NTU	66.0 mV	95.80 ft	300.00 ml/min
2/14/2023 11:48 AM	01:32:00	7.33 pH	15.32 °C	300.44 µS/cm	2.67 mg/L	1.09 NTU	65.4 mV	96.87 ft	300.00 ml/min
2/14/2023 11:52 AM	01:36:00	7.33 pH	15.35 °C	301.04 µS/cm	2.63 mg/L	1.88 NTU	64.7 mV	97.91 ft	300.00 ml/min
2/14/2023 11:56 AM	01:40:00	7.34 pH	15.36 °C	300.78 µS/cm	2.63 mg/L	1.76 NTU	64.7 mV	98.95 ft	300.00 ml/min
2/14/2023 12:00 PM	01:44:00	7.34 pH	15.40 °C	300.41 µS/cm	2.65 mg/L	0.92 NTU	66.2 mV	100.07 ft	300.00 ml/min
2/14/2023 12:04 PM	01:48:00	7.34 pH	15.42 °C	301.74 µS/cm	2.63 mg/L	1.07 NTU	65.9 mV	101.06 ft	300.00 ml/min
2/14/2023 12:08 PM	01:52:00	7.35 pH	15.48 °C	301.42 µS/cm	2.69 mg/L	1.01 NTU	67.8 mV	102.07 ft	300.00 ml/min
2/14/2023 12:12 PM	01:56:00	7.35 pH	15.58 °C	301.52 µS/cm	2.72 mg/L	1.35 NTU	69.4 mV	103.13 ft	300.00 ml/min
2/14/2023 12:16 PM	02:00:00	7.35 pH	15.57 °C	301.48 µS/cm	2.75 mg/L	1.13 NTU	72.5 mV	104.11 ft	300.00 ml/min
2/14/2023 12:20 PM	02:04:00	7.36 pH	15.60 °C	301.24 µS/cm	2.82 mg/L	1.09 NTU	74.6 mV	105.16 ft	300.00 ml/min
2/14/2023 12:24 PM	02:08:00	7.36 pH	15.67 °C	301.14 µS/cm	2.87 mg/L	1.02 NTU	77.3 mV	106.13 ft	300.00 ml/min
2/14/2023 12:28 PM	02:12:00	7.36 pH	15.66 °C	301.33 µS/cm	2.94 mg/L	1.57 NTU	79.7 mV	107.06 ft	300.00 ml/min
2/14/2023 12:32 PM	02:16:00	7.37 pH	15.67 °C	301.67 µS/cm	3.01 mg/L	1.20 NTU	82.5 mV	108.10 ft	300.00 ml/min
2/14/2023 12:36 PM	02:20:00	7.37 pH	15.67 °C	301.51 µS/cm	3.03 mg/L	1.00 NTU	83.9 mV	109.09 ft	300.00 ml/min
2/14/2023 12:40 PM	02:24:00	7.37 pH	15.67 °C	301.64 µS/cm	3.10 mg/L	1.37 NTU	85.2 mV	110.02 ft	300.00 ml/min
2/14/2023 12:44 PM	02:28:00	7.38 pH	15.68 °C	302.40 µS/cm	3.14 mg/L	0.99 NTU	86.7 mV	111.01 ft	300.00 ml/min
2/14/2023 12:48 PM	02:32:00	7.38 pH	15.71 °C	301.82 µS/cm	3.19 mg/L	0.93 NTU	87.3 mV	111.90 ft	300.00 ml/min
2/14/2023 12:52 PM	02:36:00	7.38 pH	15.72 °C	302.43 µS/cm	3.22 mg/L	0.94 NTU	88.2 mV	112.87 ft	300.00 ml/min
2/14/2023 12:56 PM	02:40:00	7.39 pH	15.70 °C	302.80 µS/cm	3.27 mg/L	1.28 NTU	89.1 mV	113.70 ft	310.00 ml/min
2/14/2023 1:00 PM	02:44:00	7.39 pH	15.72 °C	303.32 µS/cm	3.29 mg/L	0.89 NTU	88.8 mV	114.62 ft	350.00 ml/min
2/14/2023 1:04 PM	02:48:00	7.39 pH	15.72 °C	303.74 µS/cm	3.35 mg/L	0.87 NTU	88.8 mV	115.89 ft	350.00 ml/min
2/14/2023 1:08 PM	02:52:00	7.38 pH	15.76 °C	305.35 µS/cm	3.40 mg/L	1.15 NTU	90.4 mV	117.08 ft	350.00 ml/min

2/14/2023 1:12 PM	02:56:00	7.38 pH	15.73 °C	305.67 µS/cm	3.41 mg/L	1.23 NTU	91.1 mV	118.10 ft	350.00 ml/min
2/14/2023 1:16 PM	03:00:00	7.39 pH	15.76 °C	306.59 µS/cm	3.40 mg/L	1.24 NTU	90.4 mV	119.00 ft	350.00 ml/min
2/14/2023 1:20 PM	03:04:00	7.40 pH	15.76 °C	308.21 µS/cm	3.40 mg/L	1.08 NTU	91.0 mV	119.98 ft	330.00 ml/min
2/14/2023 1:24 PM	03:08:00	7.40 pH	15.76 °C	306.67 µS/cm	3.42 mg/L	0.95 NTU	91.1 mV	120.73 ft	330.00 ml/min
2/14/2023 1:28 PM	03:12:00	7.41 pH	15.94 °C	307.37 µS/cm	3.42 mg/L	1.19 NTU	91.8 mV	121.41 ft	300.00 ml/min
2/14/2023 1:32 PM	03:16:00	7.41 pH	15.85 °C	306.84 µS/cm	3.44 mg/L	1.34 NTU	91.6 mV	122.05 ft	280.00 ml/min
2/14/2023 1:36 PM	03:20:00	7.41 pH	15.79 °C	308.76 µS/cm	3.44 mg/L	1.47 NTU	92.1 mV	122.83 ft	270.00 ml/min
2/14/2023 1:40 PM	03:24:00	7.41 pH	15.78 °C	308.47 µS/cm	3.47 mg/L	0.83 NTU	92.4 mV	123.72 ft	270.00 ml/min
2/14/2023 1:44 PM	03:28:00	7.41 pH	15.78 °C	309.96 µS/cm	3.47 mg/L	1.48 NTU	91.7 mV	124.72 ft	110.00 ml/min
2/14/2023 1:48 PM	03:32:00	7.42 pH	15.89 °C	310.82 µS/cm	3.47 mg/L	1.14 NTU	92.0 mV	124.81 ft	110.00 ml/min
2/14/2023 1:52 PM	03:36:00	7.42 pH	15.89 °C	311.84 µS/cm	3.48 mg/L	1.04 NTU	92.9 mV	124.91 ft	110.00 ml/min
2/14/2023 1:56 PM	03:40:00	7.45 pH	15.85 °C	300.91 µS/cm	3.46 mg/L	0.49 NTU	87.2 mV	125.00 ft	110.00 ml/min
2/14/2023 2:00 PM	03:44:00	7.48 pH	15.90 °C	298.10 µS/cm	3.48 mg/L	0.37 NTU	85.7 mV	125.09 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWA-39RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 11:44:02 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-49R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 126.8 ft Total Depth: 136.8 ft Initial Depth to Water: 53.34 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 131.8 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: -0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 11:44 AM	00:00	6.95 pH	16.87 °C	256.74 µS/cm	4.22 mg/L	0.18 NTU	46.4 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 11:48 AM	04:00	7.17 pH	16.83 °C	253.67 µS/cm	4.85 mg/L	0.02 NTU	44.6 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 11:52 AM	08:00	7.33 pH	16.93 °C	254.11 µS/cm	4.95 mg/L	0.13 NTU	43.7 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 11:56 AM	12:00	7.44 pH	17.01 °C	254.52 µS/cm	5.07 mg/L	0.05 NTU	43.7 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 12:00 PM	16:00	7.57 pH	17.01 °C	254.46 µS/cm	5.16 mg/L	0.09 NTU	42.2 mV	53.35 ft	0.14 PSU	150.00 ml/min
2/14/2023 12:04 PM	20:00	7.62 pH	17.01 °C	252.52 µS/cm	5.38 mg/L	0.04 NTU	42.4 mV	53.34 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:08 PM	24:00	7.67 pH	17.09 °C	248.61 µS/cm	5.97 mg/L	0.03 NTU	42.4 mV	53.34 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:12 PM	28:00	7.69 pH	17.48 °C	247.80 µS/cm	6.17 mg/L	0.06 NTU	42.6 mV	53.33 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:16 PM	32:00	7.72 pH	17.49 °C	247.18 µS/cm	6.27 mg/L	0.01 NTU	42.4 mV	53.32 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:20 PM	36:00	7.75 pH	17.63 °C	246.08 µS/cm	6.44 mg/L	0.08 NTU	42.1 mV	53.32 ft	0.13 PSU	150.00 ml/min
2/14/2023 12:24 PM	40:00	7.75 pH	17.62 °C	244.72 µS/cm	6.60 mg/L	0.02 NTU	42.8 mV	53.32 ft	0.13 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-49R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 12:54:26 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-49Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 85.2 ft Total Depth: 95.2 ft Initial Depth to Water: 52.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 90.2 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 12:54 PM	00:00	6.92 pH	18.36 °C	22.90 µS/cm	6.72 mg/L	0.76 NTU	59.0 mV	53.26 ft	0.01 PSU	150.00 ml/min
2/14/2023 12:58 PM	04:00	6.19 pH	18.08 °C	23.35 µS/cm	7.13 mg/L	0.78 NTU	54.7 mV	53.38 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:02 PM	08:00	5.66 pH	18.31 °C	23.62 µS/cm	7.18 mg/L	1.56 NTU	54.6 mV	53.47 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:06 PM	12:00	5.36 pH	18.34 °C	23.67 µS/cm	7.20 mg/L	1.59 NTU	54.7 mV	53.55 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:10 PM	16:00	5.23 pH	18.51 °C	23.72 µS/cm	7.19 mg/L	2.00 NTU	54.6 mV	53.61 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:14 PM	20:00	5.18 pH	18.59 °C	23.61 µS/cm	7.15 mg/L	2.27 NTU	54.8 mV	53.66 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:18 PM	24:00	5.16 pH	18.68 °C	23.67 µS/cm	7.15 mg/L	2.26 NTU	54.8 mV	53.70 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:22 PM	28:00	5.15 pH	18.70 °C	23.75 µS/cm	7.17 mg/L	1.88 NTU	55.0 mV	53.72 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:26 PM	32:00	5.14 pH	18.79 °C	23.86 µS/cm	7.19 mg/L	1.94 NTU	55.1 mV	53.74 ft	0.01 PSU	150.00 ml/min
2/14/2023 1:30 PM	36:00	5.15 pH	18.71 °C	23.68 µS/cm	7.20 mg/L	1.82 NTU	54.8 mV	53.76 ft	0.01 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-49Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:24:33 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Kevin Stephenson

Location Name: GWC-44 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 81.1 ft Total Depth: 91.1 ft Initial Depth to Water: 49.09 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 86.1 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.3 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 1:24 PM	00:00	3.93 pH	18.70 °C	139.61 µS/cm	3.78 mg/L	1.43 NTU	142.3 mV	49.24 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:28 PM	04:00	3.94 pH	18.74 °C	139.74 µS/cm	3.76 mg/L	0.65 NTU	135.8 mV	49.24 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:32 PM	08:00	3.93 pH	18.76 °C	138.68 µS/cm	3.74 mg/L	0.68 NTU	130.8 mV	49.26 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:36 PM	12:00	3.95 pH	18.69 °C	138.39 µS/cm	3.74 mg/L	0.90 NTU	126.0 mV	49.28 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:40 PM	16:00	3.94 pH	18.60 °C	138.36 µS/cm	3.75 mg/L	0.43 NTU	124.1 mV	49.28 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:44 PM	20:00	3.94 pH	18.66 °C	138.41 µS/cm	3.74 mg/L	0.61 NTU	122.0 mV	49.30 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:48 PM	24:00	3.92 pH	18.73 °C	138.02 µS/cm	3.73 mg/L	0.34 NTU	120.3 mV	49.31 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:52 PM	28:00	3.94 pH	18.54 °C	138.44 µS/cm	3.76 mg/L	0.28 NTU	118.3 mV	49.33 ft	0.07 PSU	120.00 ml/min
2/14/2023 1:56 PM	32:00	3.94 pH	18.47 °C	138.23 µS/cm	3.75 mg/L	0.44 NTU	116.8 mV	49.35 ft	0.07 PSU	120.00 ml/min
2/14/2023 2:00 PM	36:00	3.94 pH	18.41 °C	138.30 µS/cm	3.76 mg/L	0.26 NTU	115.2 mV	49.36 ft	0.07 PSU	120.00 ml/min
2/14/2023 2:04 PM	40:00	3.95 pH	18.36 °C	138.09 µS/cm	3.76 mg/L	0.46 NTU	113.9 mV	49.39 ft	0.07 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-44	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/14/2023 2:22:41 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-46R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.01 ft Total Depth: 59.01 ft Initial Depth to Water: 36.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.01 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.45 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/14/2023 2:22 PM	00:00	7.10 pH	19.44 °C	420.66 µS/cm	6.95 mg/L	0.10 NTU	39.9 mV	37.38 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:26 PM	04:00	7.26 pH	19.35 °C	422.09 µS/cm	6.94 mg/L	0.05 NTU	43.2 mV	37.51 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:30 PM	08:00	7.35 pH	19.22 °C	422.38 µS/cm	6.92 mg/L	0.06 NTU	44.6 mV	37.64 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:34 PM	12:00	7.40 pH	19.27 °C	422.63 µS/cm	6.92 mg/L	0.07 NTU	45.3 mV	37.70 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:38 PM	16:00	7.45 pH	19.24 °C	422.02 µS/cm	6.90 mg/L	0.10 NTU	45.4 mV	37.76 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:42 PM	20:00	7.47 pH	19.16 °C	421.45 µS/cm	6.86 mg/L	0.13 NTU	46.1 mV	37.79 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:46 PM	24:00	7.48 pH	19.29 °C	423.16 µS/cm	6.81 mg/L	0.06 NTU	46.8 mV	37.80 ft	0.23 PSU	120.00 ml/min
2/14/2023 2:50 PM	28:00	7.49 pH	19.27 °C	420.90 µS/cm	6.72 mg/L	0.05 NTU	47.0 mV	37.81 ft	0.23 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-46R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:48:14 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-45 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.55 ft Total Depth: 67.55 ft Initial Depth to Water: 39.12 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.55 ft Estimated Total Volume Pumped: 8160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 3.89 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/15/2023 9:48 AM	00:00	5.04 pH	15.20 °C	31.43 µS/cm	6.12 mg/L	0.35 NTU	196.6 mV	39.12 ft	120.00 ml/min
2/15/2023 9:52 AM	04:00	4.46 pH	15.62 °C	27.59 µS/cm	5.75 mg/L	0.95 NTU	205.4 mV	39.60 ft	120.00 ml/min
2/15/2023 9:56 AM	08:00	4.37 pH	15.76 °C	26.73 µS/cm	5.71 mg/L	1.57 NTU	205.1 mV	40.02 ft	120.00 ml/min
2/15/2023 10:00 AM	12:00	4.33 pH	15.76 °C	26.94 µS/cm	5.63 mg/L	1.69 NTU	200.9 mV	40.36 ft	120.00 ml/min
2/15/2023 10:04 AM	16:00	4.29 pH	15.72 °C	26.25 µS/cm	5.60 mg/L	1.44 NTU	197.6 mV	40.65 ft	120.00 ml/min
2/15/2023 10:08 AM	20:00	4.30 pH	15.81 °C	25.92 µS/cm	5.57 mg/L	1.10 NTU	193.3 mV	40.95 ft	120.00 ml/min
2/15/2023 10:12 AM	24:00	4.27 pH	15.76 °C	25.72 µS/cm	5.58 mg/L	1.03 NTU	188.0 mV	41.15 ft	120.00 ml/min
2/15/2023 10:16 AM	28:00	4.27 pH	15.72 °C	25.56 µS/cm	5.61 mg/L	0.73 NTU	184.5 mV	41.39 ft	120.00 ml/min
2/15/2023 10:20 AM	32:00	4.26 pH	15.78 °C	25.50 µS/cm	5.64 mg/L	0.61 NTU	180.2 mV	41.65 ft	120.00 ml/min
2/15/2023 10:24 AM	36:00	4.27 pH	15.85 °C	25.48 µS/cm	5.65 mg/L	0.34 NTU	177.0 mV	41.86 ft	120.00 ml/min
2/15/2023 10:28 AM	40:00	4.24 pH	15.82 °C	25.51 µS/cm	5.67 mg/L	0.37 NTU	176.0 mV	42.01 ft	120.00 ml/min
2/15/2023 10:32 AM	44:00	4.23 pH	15.85 °C	25.51 µS/cm	5.68 mg/L	0.40 NTU	173.5 mV	42.21 ft	120.00 ml/min
2/15/2023 10:36 AM	48:00	4.25 pH	15.85 °C	25.55 µS/cm	5.70 mg/L	0.18 NTU	170.9 mV	42.35 ft	120.00 ml/min
2/15/2023 10:40 AM	52:00	4.24 pH	15.88 °C	25.52 µS/cm	5.71 mg/L	0.31 NTU	168.6 mV	42.50 ft	120.00 ml/min
2/15/2023 10:44 AM	56:00	4.25 pH	15.83 °C	25.44 µS/cm	5.72 mg/L	0.13 NTU	168.3 mV	42.66 ft	120.00 ml/min

2/15/2023 10:48 AM	01:00:00	4.25 pH	15.85 °C	25.46 µS/cm	5.73 mg/L	0.20 NTU	166.8 mV	42.78 ft	120.00 ml/min
2/15/2023 10:52 AM	01:04:00	4.25 pH	15.86 °C	25.53 µS/cm	5.74 mg/L	0.06 NTU	166.1 mV	42.89 ft	120.00 ml/min
2/15/2023 10:56 AM	01:08:00	4.26 pH	15.86 °C	25.45 µS/cm	5.75 mg/L	0.05 NTU	163.8 mV	43.01 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-45	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:53:04 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-47 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.63 ft Total Depth: 67.63 ft Initial Depth to Water: 37.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.63 ft Estimated Total Volume Pumped: 2080 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/15/2023 9:53 AM	00:00	7.14 pH	15.60 °C	202.31 µS/cm	3.46 mg/L	1.94 NTU	138.5 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 9:57 AM	04:00	7.16 pH	15.68 °C	200.59 µS/cm	3.25 mg/L	1.24 NTU	105.0 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 10:01 AM	08:00	7.16 pH	15.75 °C	200.28 µS/cm	3.16 mg/L	0.95 NTU	87.3 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 10:05 AM	12:00	7.16 pH	15.75 °C	200.22 µS/cm	3.15 mg/L	0.70 NTU	78.5 mV	38.03 ft	0.11 PSU	130.00 ml/min
2/15/2023 10:09 AM	16:00	7.20 pH	15.78 °C	199.74 µS/cm	3.12 mg/L	0.58 NTU	72.6 mV	38.03 ft	0.11 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-47	Metals, Inorganics, Alkalinity, TDS
DUP-9	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 10:51:07 AM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-47R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.55 ft Total Depth: 84.55 ft Initial Depth to Water: 38.02 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.55 ft Estimated Total Volume Pumped: 7920 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 5.14 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Lowered pump rate to 120 mL/min at 24:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/15/2023 10:51 AM	00:00	7.18 pH	15.97 °C	298.01 µS/cm	2.98 mg/L	0.02 NTU	66.6 mV	39.93 ft	0.16 PSU	150.00 ml/min
2/15/2023 10:55 AM	04:00	7.13 pH	16.11 °C	280.97 µS/cm	1.80 mg/L	0.06 NTU	63.8 mV	40.39 ft	0.15 PSU	150.00 ml/min
2/15/2023 10:59 AM	08:00	7.03 pH	16.14 °C	272.37 µS/cm	1.45 mg/L	0.14 NTU	62.9 mV	40.39 ft	0.15 PSU	150.00 ml/min
2/15/2023 11:03 AM	12:00	6.97 pH	16.16 °C	270.41 µS/cm	1.54 mg/L	0.71 NTU	62.4 mV	41.51 ft	0.14 PSU	150.00 ml/min
2/15/2023 11:07 AM	16:00	6.98 pH	16.14 °C	268.45 µS/cm	1.67 mg/L	0.92 NTU	60.3 mV	41.92 ft	0.14 PSU	150.00 ml/min
2/15/2023 11:11 AM	20:00	6.99 pH	16.14 °C	266.74 µS/cm	1.85 mg/L	1.02 NTU	60.1 mV	42.33 ft	0.14 PSU	150.00 ml/min
2/15/2023 11:15 AM	24:00	7.02 pH	16.00 °C	265.66 µS/cm	2.01 mg/L	0.54 NTU	59.5 mV	42.54 ft	0.14 PSU	120.00 ml/min
2/15/2023 11:19 AM	28:00	7.04 pH	15.96 °C	266.93 µS/cm	2.18 mg/L	0.57 NTU	59.1 mV	42.65 ft	0.14 PSU	120.00 ml/min
2/15/2023 11:23 AM	32:00	7.07 pH	15.93 °C	271.57 µS/cm	2.51 mg/L	0.71 NTU	58.7 mV	42.75 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:27 AM	36:00	7.12 pH	15.91 °C	273.56 µS/cm	2.87 mg/L	0.26 NTU	58.7 mV	42.83 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:31 AM	40:00	7.17 pH	15.93 °C	275.85 µS/cm	3.09 mg/L	0.40 NTU	58.6 mV	42.90 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:35 AM	44:00	7.24 pH	15.93 °C	277.56 µS/cm	3.32 mg/L	0.37 NTU	57.9 mV	42.95 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:39 AM	48:00	7.29 pH	15.97 °C	278.35 µS/cm	3.44 mg/L	0.31 NTU	58.0 mV	43.00 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:43 AM	52:00	7.33 pH	15.96 °C	279.64 µS/cm	3.57 mg/L	0.31 NTU	57.8 mV	43.06 ft	0.15 PSU	120.00 ml/min
2/15/2023 11:47 AM	56:00	7.36 pH	15.93 °C	281.12 µS/cm	3.66 mg/L	0.35 NTU	57.7 mV	43.11 ft	0.15 PSU	120.00 ml/min

2/15/2023 11:51 AM	01:00:00	7.38 pH	15.92 °C	282.63 µS/cm	3.76 mg/L	0.30 NTU	57.6 mV	43.16 ft	0.15 PSU	120.00 ml/min
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Samples

Sample ID:	Description:
GWC-47R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:34:59 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: Meredith Duncan

Location Name: GWC-45R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 120.12 ft Total Depth: 130.12 ft Initial Depth to Water: 48.81 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 125.12 ft Estimated Total Volume Pumped: 3520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
2/15/2023 12:34 PM	00:00	6.16 pH	14.29 °C	349.48 µS/cm	8.74 mg/L	1.14 NTU	140.3 mV	48.81 ft	110.00 ml/min
2/15/2023 12:38 PM	04:00	6.29 pH	15.42 °C	350.84 µS/cm	2.09 mg/L	0.10 NTU	72.3 mV	48.81 ft	110.00 ml/min
2/15/2023 12:42 PM	08:00	6.37 pH	15.58 °C	361.22 µS/cm	1.51 mg/L	0.22 NTU	72.8 mV	48.81 ft	110.00 ml/min
2/15/2023 12:46 PM	12:00	6.50 pH	15.58 °C	380.52 µS/cm	3.36 mg/L	0.02 NTU	88.5 mV	48.81 ft	110.00 ml/min
2/15/2023 12:50 PM	16:00	6.59 pH	15.62 °C	388.61 µS/cm	4.25 mg/L	0.06 NTU	101.8 mV	48.81 ft	110.00 ml/min
2/15/2023 12:54 PM	20:00	6.64 pH	15.63 °C	390.95 µS/cm	4.50 mg/L	0.01 NTU	108.7 mV	48.81 ft	110.00 ml/min
2/15/2023 12:58 PM	24:00	6.68 pH	15.55 °C	391.34 µS/cm	4.57 mg/L	0.30 NTU	111.4 mV	48.81 ft	110.00 ml/min
2/15/2023 1:02 PM	28:00	6.70 pH	15.60 °C	391.65 µS/cm	4.61 mg/L	0.11 NTU	112.5 mV	48.81 ft	110.00 ml/min
2/15/2023 1:06 PM	32:00	6.71 pH	15.62 °C	392.57 µS/cm	4.65 mg/L	0.08 NTU	113.3 mV	48.81 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWC-45R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:57:21 PM

Project: Plant Bowen LF Cells 9&10 February 2023

Operator Name: William Laaker

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 34.92 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.12 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
2/15/2023 12:57 PM	00:00	4.75 pH	15.85 °C	55.58 µS/cm	3.57 mg/L	0.07 NTU	83.8 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:01 PM	04:00	4.70 pH	15.93 °C	56.32 µS/cm	3.54 mg/L	0.09 NTU	75.6 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:05 PM	08:00	4.70 pH	15.93 °C	56.39 µS/cm	3.48 mg/L	0.10 NTU	74.4 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:09 PM	12:00	4.67 pH	15.93 °C	56.22 µS/cm	3.37 mg/L	0.25 NTU	74.8 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:13 PM	16:00	4.69 pH	15.98 °C	55.65 µS/cm	3.34 mg/L	0.24 NTU	73.1 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:17 PM	20:00	4.70 pH	16.07 °C	54.85 µS/cm	3.36 mg/L	0.16 NTU	73.0 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:21 PM	24:00	4.71 pH	16.06 °C	54.23 µS/cm	3.38 mg/L	0.13 NTU	72.7 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:25 PM	28:00	4.73 pH	16.11 °C	53.67 µS/cm	3.41 mg/L	0.14 NTU	72.4 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:29 PM	32:00	4.75 pH	16.07 °C	53.42 µS/cm	3.48 mg/L	0.12 NTU	72.3 mV	35.04 ft	0.03 PSU	150.00 ml/min
2/15/2023 1:33 PM	36:00	4.75 pH	16.03 °C	53.58 µS/cm	3.57 mg/L	0.08 NTU	72.5 mV	35.04 ft	0.03 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-48	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 3/16/2023 11:17:19 AM

Project: Plant Bowen LF Cells 9&10 March 2023 Resample

Operator Name: William Laaker

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 34.13 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 6600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurged 1 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
3/16/2023 11:17 AM	00:00	4.39 pH	17.54 °C	59.92 µS/cm	3.49 mg/L	0.15 NTU	160.8 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:21 AM	04:00	4.38 pH	17.63 °C	60.57 µS/cm	3.54 mg/L	0.19 NTU	133.7 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:25 AM	08:00	4.39 pH	17.72 °C	60.63 µS/cm	3.42 mg/L	0.03 NTU	122.2 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:29 AM	12:00	4.42 pH	17.72 °C	60.21 µS/cm	3.36 mg/L	0.06 NTU	115.2 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:33 AM	16:00	4.43 pH	17.69 °C	59.70 µS/cm	3.33 mg/L	0.11 NTU	111.1 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:37 AM	20:00	4.43 pH	17.73 °C	58.82 µS/cm	3.31 mg/L	0.01 NTU	108.4 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:41 AM	24:00	4.44 pH	17.83 °C	57.57 µS/cm	3.30 mg/L	0.01 NTU	106.6 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:45 AM	28:00	4.48 pH	17.89 °C	56.90 µS/cm	3.34 mg/L	0.07 NTU	103.9 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:49 AM	32:00	4.49 pH	17.81 °C	56.43 µS/cm	3.42 mg/L	0.02 NTU	103.0 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:53 AM	36:00	4.52 pH	17.84 °C	56.51 µS/cm	3.49 mg/L	0.15 NTU	101.8 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 11:57 AM	40:00	4.55 pH	17.91 °C	56.67 µS/cm	3.58 mg/L	0.03 NTU	100.6 mV	34.26 ft	0.03 PSU	150.00 ml/min
3/16/2023 12:01 PM	44:00	4.55 pH	17.99 °C	57.08 µS/cm	3.67 mg/L	0.01 NTU	100.7 mV	34.26 ft	0.03 PSU	150.00 ml/min

Samples

Sample ID:	Description:
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GWC-48	Mercury, Chloride
FD-01	Mercury, Chloride

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 4/11/2023 9:12:52 AM

Project: Plant Bowen LF Cells 1&2 April 2023 Resample

Operator Name: Meredith Duncan

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 30.7 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 4840 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
4/11/2023 9:12 AM	00:00	6.84 pH	13.50 °C	239.71 µS/cm	3.92 mg/L	1.17 NTU	48.7 mV	30.70 ft	110.00 ml/min
4/11/2023 9:16 AM	04:00	6.74 pH	14.38 °C	227.58 µS/cm	2.55 mg/L	1.10 NTU	27.0 mV	30.71 ft	110.00 ml/min
4/11/2023 9:20 AM	08:00	6.71 pH	14.63 °C	221.51 µS/cm	3.86 mg/L	0.69 NTU	56.0 mV	30.71 ft	110.00 ml/min
4/11/2023 9:24 AM	12:00	6.68 pH	14.78 °C	221.64 µS/cm	4.31 mg/L	0.45 NTU	69.7 mV	30.71 ft	110.00 ml/min
4/11/2023 9:28 AM	16:00	6.67 pH	14.86 °C	223.10 µS/cm	4.49 mg/L	0.87 NTU	76.0 mV	30.71 ft	110.00 ml/min
4/11/2023 9:32 AM	20:00	6.66 pH	14.92 °C	222.85 µS/cm	4.51 mg/L	0.66 NTU	76.7 mV	30.71 ft	110.00 ml/min
4/11/2023 9:36 AM	24:00	6.67 pH	14.98 °C	223.35 µS/cm	4.53 mg/L	0.50 NTU	79.5 mV	30.71 ft	110.00 ml/min
4/11/2023 9:40 AM	28:00	6.67 pH	15.00 °C	223.75 µS/cm	4.57 mg/L	0.54 NTU	80.2 mV	30.71 ft	110.00 ml/min
4/11/2023 9:44 AM	32:00	6.68 pH	15.04 °C	223.25 µS/cm	4.58 mg/L	0.82 NTU	81.6 mV	30.71 ft	110.00 ml/min
4/11/2023 9:48 AM	36:00	6.68 pH	15.08 °C	223.47 µS/cm	4.60 mg/L	0.92 NTU	82.5 mV	30.71 ft	110.00 ml/min
4/11/2023 9:52 AM	40:00	6.68 pH	15.07 °C	223.58 µS/cm	4.61 mg/L	0.51 NTU	83.3 mV	30.71 ft	110.00 ml/min
4/11/2023 9:56 AM	44:00	6.69 pH	15.06 °C	223.36 µS/cm	4.62 mg/L	0.33 NTU	84.1 mV	30.71 ft	110.00 ml/min

Samples

Sample ID:	Description:
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GWC-13	TDS
FD-02	TDS

Created using VuSitu from In-Situ, Inc.

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/8/23	Time (Calibration): 0830	Time (Mid-day Check): 1530
AguaToni SN: 893479	Turbidity Meter Type: la motte		SN: 9453-4417
Project: Bowen LF	Weather Conditions: 56° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				96.02	
Specific Conductance (µS/cm)	22250153 11/23	14.05	4490	4482.6	
pH (4)	22250153 11/23	14.04	4	3.92	
pH (7)	2216893 11/23	14.17	7	6.84	
pH (10)	21320202 12/23	14.23	10	9.97	
ORP (mV)	21390144 11/23	14.28	228	239	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.58	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Field Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.33	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	24.26	7	7.18	±0.1 SU	Yes	No	
Mid-Day pH (10) check	23.75	10	10.11	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 2/8/23	Time (Calibration): 8:20	Time (Mid-day Check): 15:05
Equipment SN: 789301	Turbidity Meter Type: LaMotte 2020	Lot: 7042-3818	
Project: Feb 2023 LF Semi	Weather Conditions: 70°/50° cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Spt, 100% water saturated air sat)				101.97	
Specific Conductance (µS/cm)	22250153 11/23	11.98	4490	4509.3	
pH (4)	22250153 11/23	12.07	4	3.88	
pH (7)	2216893 11/23	11.94	7	6.93	
pH (10)	21320202 12/23	11.89	10	10.02	
ORP (mV)	21390144 11/23	11.89	228	221.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.01	±0.1 NTU	Yes No	
Turbidity 1 NTU	1	0.81	±0.1 NTU	Yes No	
Turbidity 10 NTU	10	9.85	±0.1 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	19.14	4	4.06	±0.1 SU	Yes No	
Mid-Day pH (7) check	19.38	7	7.13	±0.1 SU	Yes No	
Mid-Day pH (10) check	20.33	10	10.12	±0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Karin Stojanovic</u>	Date: <u>2/19/23</u>	Time (Calibration): <u>10:16</u>	Time (Mid-day Check): <u>15:12</u>
App/Trail SN: <u>789317</u>	Turbidity Meter Type: <u>Lumette 2020</u>	SN: <u>2020-0320</u>	
Project: <u>Boon LF Sampling</u>	Weather Conditions: <u>55°/32°, 60%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				<u>98.79</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>16.55</u>	4490	<u>4189.1</u>	
pH (4)	22250153 11/23	<u>16.64</u>	4	<u>4.05</u>	
pH (7)	2216893 11/23	<u>16.57</u>	7	<u>7.04</u>	
pH (10)	21320202 12/23	<u>16.54</u>	10	<u>10.16</u>	
ORP (mV)	21390144 11/23	<u>16.50</u>	228	<u>218.2</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	<u>0.04</u>	±0.3 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU	1	<u>0.99</u>	±0.3 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU	10	<u>9.61</u>	±0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	<u>16.64</u>	4	<u>4.13</u>	±0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check	<u>16.50</u>	7	<u>7.26</u>	±0.1 SU	<input type="radio"/> Yes <input checked="" type="radio"/> No	
Mid-Day pH (10) check	<u>16.57</u>	10	<u>10.26</u>	±0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/9/23	Time (Calibration): 0830	Time (Mid-Day Check): 1458
Asset/Trailer SN: 893479	Turbidity Meter Type: la motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 60° rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				101.34	
Specific Conductance (µS/cm)	22250153 11/23	16.35	4490	4775.9	
pH (4)	22250153 11/23	16.38	4	3.93	
pH (7)	2216893 11/23	16.10	7	6.89	
pH (10)	21320202 12/23	15.85	10	10.01	
ORP (mV)	21390144 11/23	15.95	228	240.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.55	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.73	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	17.77	7	7.15	±0.1 SU	Yes	No	
Mid-Day pH (10) check	17.95	10	10.22	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lusk</u>	Date: <u>2/9/23</u>	Time (Collection): <u>8:38</u>	Time (Mid-day Check): <u>15:20</u>
Agency/ID: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Feb 2023 LF Semi</u>	Weather Conditions: <u>66°/44° cloudy 70% rain</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(Eq. 100% water saturated air cal)</small>				<u>99.52</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>14.90</u>	<u>4490</u>	<u>4531.1</u>	
pH (4)	<u>22250153 11/23</u>	<u>14.99</u>	<u>4</u>	<u>4.04</u>	
pH (7)	<u>2216893 11/23</u>	<u>15.21</u>	<u>7</u>	<u>7.09</u>	
pH (10)	<u>21320202 12/23</u>	<u>15.23</u>	<u>10</u>	<u>10.11</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>15.14</u>	<u>228</u>	<u>220.0</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 1 NTU	<u>0</u>	<u>0.01</u>	<u>±0.1 NTU</u>	Yes	No	
Turbidity 1 NTU	<u>1</u>	<u>0.92</u>	<u>±0.5 NTU</u>	Yes	No	
Turbidity 10 NTU	<u>10</u>	<u>9.82</u>	<u>±0.1 NTU</u>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>18.08</u>	<u>4</u>	<u>4.11</u>	<u>±0.1 SU</u>	Yes	No	
Mid-Day pH (7) check	<u>17.30</u>	<u>7</u>	<u>7.11</u>	<u>±0.1 SU</u>	Yes	No	
Mid-Day pH (10) check	<u>17.71</u>	<u>10</u>	<u>10.10</u>	<u>±0.1 SU</u>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/10/23	Time (Calibration): 0830	Time (Mid-day Check): 1255
Asset/Trail SN: 893479	Turbidity Meter Type: la motte	SN: 2068-0320	
Project: Bowen LF	Weather Conditions: 47° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				99.13	
Specific Conductance (µS/cm)	22250153 11/23	10.93	4490	4468.1	
pH (4)	22250153 11/23	11.00	4	3.93	
pH (7)	2216893 11/23	11.71	7	6.91	
pH (10)	21320202 12/23	12.22	10	9.97	
ORP (mV)	21390144 11/23	12.60	228	247	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.93	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.99	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.26	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	14.45	7	7.21	±0.1 SU	Yes	No	
Mid-Day pH (10) check	14.72	10	10.22	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Locker</u>	Date: <u>2/10/23</u>	Time (Calibration): <u>8:36</u>	Time (Mid-Day Check): <u>12:45</u>
App/Trail ID: <u>T59301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3815</u>	
From: <u>Feb 2023 LF Seint</u>	Weather Conditions: <u>58°/45° sunny</u>		

Calibration Log

	Standard Lot #/ Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.37	
Specific Conductance (µS/cm)	22250153 11/23	12.95	4490	4428.5	
pH (4)	22250153 11/23	13.13	4	4.04	
pH (7)	2216893 11/23	10.64	7	7.13	
pH (10)	21320202 12/23	10.42	10	10.25	
ORP (mV)	21390144 11/23	10.64	228	232.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.73	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.32	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	14.25	7	7.08	±0.1 SU	Yes	No	
Mid-Day pH (10) check	14.53	10	10.16	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/13/23	Time (Calibration): 0830	Time (Mid-day Check): 1515
Appt/Trcl SN: 893479	Turbidity Meter Type: la Motte	ID: 9453-4417	
Project: Bowen LF	Weather Conditions: 35' Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				94.35	
Specific Conductance (µS/cm)	22250153 11/23	3.79	4490	4374.5	
pH (4)	22250153 11/23	3.96	4	3.92	
pH (7)	2216893 11/23	3.05	7	6.95	
pH (10)	21320202 12/23	3.50	10	10.13	
ORP (mV)	21390144 11/23	3.87	228	263.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.99	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	16.21	4	4.05	±0.1 SU	Yes	No	
Mid-Day pH (7) check	16.25	7	6.93	±0.1 SU	Yes	No	
Mid-Day pH (10) check	17.06	10	9.97	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Loucker</u>	Date: <u>2/13/23</u>	Time of Calibration: <u>8:40</u>	Time (Middle Check): <u>16:47</u>
Serialized ID: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Feb 2023 LF Semi</u>	Weather Conditions: <u>62°/32° sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				102.82	
Specific Conductance (µS/cm)	22250153 11/23	12.80	4490	4480.1	
pH (4)	22250153 11/23	12.95	4	4.03	
pH (7)	2216893 11/23	12.49	7	7.01	
pH (10)	21320202 12/23	12.53	10	10.013	
ORP (mV)	21390144 11/23	12.35	228	227.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.93	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.04	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.73	4	4.13	±0.1 SD	Yes	No	
Mid-Day pH (7) check	17.10	7	7.21	±0.1 SD	Yes	No	
Mid-Day pH (10) check	16.20	10	10.21	±0.1 SD	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>2/14/23</u>	Time (Calibration): <u>10:02</u>	Time (Mid-day Check): <u>15:44</u>
AquaTroll SN: <u>78317</u>	Turbidity Meter Type: <u>Lanette 202 D</u>	SN: <u>2068-0320</u>	
Project: <u>Basin LE Sewermain</u>	Weather Conditions: <u>68°/54°/10%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eq. 100% water saturated air sat)				100.69	
Specific Conductance (µS/cm)	22250153 11/23	5.25°	4490	4.09	
pH (4)	22250153 11/23	5.58°	4	3387.6	
pH (7)	2216893 11/23	6.31	7	7.19	
pH (10)	21320202 12/23	6.30	10	10.51	
ORP (mV)	21390144 11/23	6.29	228	256.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	-0.01	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	1.30	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	9.57	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	5.03	4	4.11	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	6.43	7	7.17	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	6.68	10	10.13	±0.1 SU	<input type="radio"/> Yes	<input checked="" type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/14/23	Time (Calibration): 0830	Time (Mid-day Check): 1525
Age/Infl SN: 893479	Turbidity Meter Type: la motte		SN: 9453-4417
Project: Bowen LF	Weather Conditions: 38° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (ppt, 100% water saturated air sat)				110.13	
Specific Conductance (µS/cm)	22250153 11/23	6.70	4490	4514.3	
pH (4)	22250153 11/23	6.74	4	4.02	
pH (7)	2216893 11/23	7.18	7	7.06	
pH (10)	21320202 12/23	7.56	10	10.05	
ORP (mV)	21390144 11/23	7.24	228	247.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.84	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.59	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.32	4	4.10	±0.1 SU	Yes	No	
Mid-Day pH (7) check	14.60	7	6.99	±0.1 SU	Yes	No	
Mid-Day pH (10) check	15.31	10	10.15	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lauber</u>	Date: <u>2/14/23</u>	Time of Calibration: <u>8:43</u>	Time (Midday Check): <u>15:15</u>
Asset/Tool ID: <u>789301</u>	Factory Model Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Event: <u>Feb 2023 LF Scint</u>	Weather Conditions: <u>69°/32° sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Tps. 100% water saturated at cal)				103.33	
Specific Conductance (µS/cm)	22250153 11/23	8.95	4490	4393.9	
pH (4)	22250153 11/23	8.94	4	4.02	
pH (7)	2216893 11/23	8.12	7	7.12	
pH (10)	21320202 12/23	6.68	10	10.20	
ORP (mV)	21390144 11/23	7.01	228	233.8	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.74	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.87	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.89	4	4.12	±0.1 SU	Yes	No	
Mid-Day pH (7) check	19.15	7	7.18	±0.1 SU	Yes	No	
Mid-Day pH (10) check	22.02	10	10.21	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/15/23	Time (Calibration): 0830	Time (Mid-day Check): 1525
Apq/Troll SN: 893479	Turbidity Meter Type: la motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 55° Rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (opt. 100% water saturated air sat)				101.17	
Specific Conductance (µS/cm)	22250153 11/23	13.56	4490	4648	
pH (4)	22250153 11/23	13.63	4	3.88	
pH (7)	2216893 11/23	13.82	7	7.14	
pH (10)	21320202 12/23	13.78	10	10.01	
ORP (mV)	21390144 11/23	13.73	228	241.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.81	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.98	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Field Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	15.56	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	15.41	7	7.21	±0.1 SU	Yes	No	
Mid-Day pH (10) check	15.40	10	10.34	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lacher</u>	Date: <u>8/2/15/23</u>	Time of Calibration: <u>8:30</u>	Time (Mid-day Check): <u>15:25</u>
Asset/ID #: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Fen 2023 LF Semi</u>	Weather Conditions: <u>63°/54° cloudy 50% rain</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (2pt, 100% water saturated air sat)				95.53	
Specific Conductance (µS/cm)	22250153 11/23	15.20	4490	4723.0	
pH (4)	22250153 11/23	15.24	4	4.05	
pH (7)	2216893 11/23	15.46	7	7.06	
pH (10)	21320202 12/23	15.48	10	10.09	
ORP (mV)	21390144 11/23	15.40	228	213.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.91	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.72	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	16.00	4	4.11	±0.1 SU	Yes	No	
Mid-Day pH (7) check	15.53	7	7.17	±0.1 SU	Yes	No	
Mid-Day pH (10) check	15.44	10	10.21	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/16/23	Time (Calibration): 0830	Time (Mid-day Check): 1530
AgarTrak SN: 893479	Turbidity Meter Type: la Motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 61° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eq. 100% water saturated air cal)				98.02	
Specific Conductance (µS/cm)	22250153 11/23	14.05	4490	4416.2	
pH (4)	22250153 11/23	14.13	4	4.05	
pH (7)	2216893 11/23	14.07	7	7.00	
pH (10)	21320202 12/23	14.04	10	10.03	
ORP (mV)	21390144 11/23	14.86	228	227.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.94	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.51	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	18.49	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	18.86	7	7.16	±0.1 SU	Yes	No	
Mid-Day pH (10) check	19.51	10	10.14	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Engineer: <u>William Leaker</u>	Date: <u>2/16/23</u>	Time of Calibration: <u>10:27</u>	Time (Mid-Day Check): <u>15:50</u>
Asset/Tool SN: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Feb. 2023 LF Semi</u>	Weather Conditions: <u>72°/54° cloudy 50% rain</u>		

Calibration Log

	Standard Lot# / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eg. 100% water saturated air sat)				100.31	
Specific Conductance (µS/cm)	22250153 11/23	15.72	4490	4443.2	
pH (4)	22250153 11/23	15.98	4	4.01	
pH (7)	2216893 11/23	15.44	7	7.04	
pH (10)	21320202 12/23	15.56	10	10.03	
ORP (mV)	21390144 11/23	15.76	228	228.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.85	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.75	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	19.79	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	19.77	7	7.17	±0.1 SU	Yes	No	
Mid-Day pH (10) check	20.45	10	10.20	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <i>Meredith Duncan</i>	Date: <i>2/17/23</i>	Time (Calibration): <i>0830</i>	Time (Mid-Day Check): <i>1330</i>
Asset/Tool SN: <i>893479</i>	Turbidity Meter Type: <i>la motte</i>	SN: <i>9453-4417</i>	
Project: <i>Bowen LF</i>	Weather Conditions: <i>48° Cloudy</i>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air sat)				<i>101.01</i>	
Specific Conductance (µS/cm)	<i>22250153 11/23</i>	<i>16.03</i>	<i>4490</i>	<i>4610.01</i>	<i>4610.01</i>
pH (4)	<i>22250153 11/23</i>	<i>16.06</i>	<i>4</i>	<i>3.91</i>	
pH (7)	<i>2216893 11/23</i>	<i>16.57</i>	<i>7</i>	<i>6.91</i>	
pH (10)	<i>21320202 12/23</i>	<i>16.68</i>	<i>10</i>	<i>9.98</i>	
ORP (mV)	<i>21390144 11/23</i>	<i>16.48</i>	<i>228</i>	<i>224.1</i>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<i>0</i>	<i>0.00</i>	<i>±0.5 NTU</i>	Yes	No	
Turbidity 1 NTU	<i>1</i>	<i>0.84</i>	<i>±0.5 NTU</i>	Yes	No	
Turbidity 10 NTU	<i>10</i>	<i>9.83</i>	<i>±0.5 NTU</i>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<i>12.73</i>	<i>4</i>	<i>4.12</i>	<i>±0.1 SU</i>	Yes	No	
Mid-Day pH (7) check	<i>12.53</i>	<i>7</i>	<i>7.16</i>	<i>±0.1 SU</i>	Yes	No	
Mid-Day pH (10) check	<i>11.72</i>	<i>10</i>	<i>10.23</i>	<i>±0.1 SU</i>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lacker</u>	Date: <u>2/17/23</u>	Time (Calibration): <u>8:55</u>	Time (Mid-day Check): <u>11:55</u>
Asset/ID #: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>		
Project: <u>Feb 2023 LF Semi</u>	Weather Conditions: <u>77°/54° cloudy 50% rain</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				<u>46.02</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>16.48</u>	<u>4490</u>	<u>4591.2</u>	
pH (4)	<u>22250153 11/23</u>	<u>16.52</u>	<u>4</u>	<u>4.08</u>	
pH (7)	<u>2216893 11/23</u>	<u>16.60</u>	<u>7</u>	<u>7.14</u>	
pH (10)	<u>21320202 12/23</u>	<u>16.51</u>	<u>10</u>	<u>10.22</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>15.29</u>	<u>228</u>	<u>222.0</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<u>0</u>	<u>0.00</u>	<u>±0.1 NTU</u>	Yes	No	
Turbidity 1 NTU	<u>1</u>	<u>0.88</u>	<u>±0.1 NTU</u>	Yes	No	
Turbidity 10 NTU	<u>10</u>	<u>9.90</u>	<u>±0.1 NTU</u>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>13.42</u>	<u>4</u>	<u>4.08</u>	<u>±0.1 SU</u>	Yes	No	
Mid-Day pH (7) check	<u>11.79</u>	<u>7</u>	<u>7.14</u>	<u>±0.1 SU</u>	Yes	No	
Mid-Day pH (10) check	<u>11.24</u>	<u>10</u>	<u>10.21</u>	<u>±0.1 SU</u>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/20/23	Time (Calibration): 0830	Time (Mid-day Check): 0810
Appt/Tool SN: 893479	Turbidity Meter Type: La Motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 46° Sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 99% water saturated air cal)				101.53	
Specific Conductance (µS/cm)	22250153 11/23	9.57	4490	4322.1	
pH (4)	22250153 11/23	9.43	4	3.90	
pH (7)	2216893 11/23	8.86	7	6.93	
pH (10)	21320202 12/23	8.62	10	10.06	
ORP (mV)	21390144 11/23	9.33	228	238.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.12	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.50	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	18.35	4	4.19	±0.1 SU	Yes	No	
Mid-Day pH (7) check	18.56	7	7.17	±0.1 SU	Yes	No	
Mid-Day pH (10) check	19.94	10	10.19	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Loaker</u>	Date: <u>2/20/23</u>	Time (Calibration): <u>8:35</u>	Time (MSD-400 Check): <u>15:10</u>
Asset/ID #: <u>789301</u>	Calibration Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
Project: <u>Feb. 2023 LF Semi</u>	Weather Conditions: <u>71°/39° sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(Eq. 100% water saturated air sat)</small>				106.26	
Specific Conductance (µS/cm)	22250153 11/23	13.68	4490	4333.7	
pH (4)	22250153 11/23	13.81	4	3.97	
pH (7)	2216893 11/23	12.41	7	7.03	
pH (10)	21520202 12/23	12.26	10	10.11	
ORP (mV)	21390144 11/23	12.71	228	234.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.01	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10 9.71	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	17.60	4	4.17	±0.1 SU	Yes	No	
Mid-Day pH (7) check	18.65	7	7.15	±0.1 SU	Yes	No	
Mid-Day pH (10) check	18.97	10	10.15	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 2/21/23	Time (Calibration): 8:15	Time (Mid-day Check): 15:45
Equipment SN: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
Project: Feb. 2023 LF Semi	Weather Conditions: 71°/61° cloudy 40% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air sat)				93.59	
Specific Conductance (uS/cm)	22250153 11/23	17.54	4490	4633.9	
pH (4)	22250153 11/23	17.61	4	4.07	
pH (7)	2216893 11/23	17.81	7	7.09	
pH (10)	21320202 12/23	17.96	10	10.13	
ORP (mV)	21390144 11/23	17.99	228	215.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.91	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.71	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid Day pH (4) check	21.24	4	4.08	±0.1 SU	Yes	No	
Mid Day pH (7) check	20.48	7	7.18	±0.1 SU	Yes	No	
Mid Day pH (10) check	19.49	10	10.22	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 2/22/23	Time (Calibration): 0830	Time (Mid-day Check): 1351
ApexTroll SN: 893479	Turbidity Meter Type: la motte	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 60° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air cal)				99.67	
Specific Conductance (µS/cm)	22250153 11/23	17.06	4490	4622.3	
pH (4)	22250153 11/23	17.14	4	3.75	
pH (7)	2216893 11/23	16.94	7	6.67	
pH (10)	21320202 12/23	16.81	10	9.81	
ORP (mV)	21390144 11/23	17.15	228	239.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.06	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.13	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	22.05	4	4.12	±0.1 SU	Yes	No	
Mid-Day pH (7) check	21.83	7	7.18	±0.1 SU	Yes	No	
Mid-Day pH (10) check	22.8	10	10.17	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lanker	Date: 2/22/23	Time (Calibration): 8:30	Time (Mid-Day Check): 13:30
Agg/Trk#N: 789301	Turbidity Meter Type: LaMotte 2020	SN: 7042-3818	
From: Feb 2023 LF Semi	Weather/Conditions: 79°/59° cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (3pt, 100% water saturated air sat)				102.97	
Specific Conductance (µS/cm)	22250153 11/23	17.00	4490	4481.0	
pH (4)	22250153 11/23	17.19	4	4.03	
pH (7)	2216893 11/23	17.49	7	7.06	
pH (10)	21320202 12/23	17.54	10	10.09	
ORP (mV)	21390144 11/23	17.52	228	227.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.99	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.86	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	23.79	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	23.28	7	7.08	±0.1 SU	Yes	No	
Mid-Day pH (10) check	23.96	10	10.10	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Louber</u>	Date: <u>3/16/23</u>	Time (Calibration): <u>10:35</u>	Time (Mid-Day Check): <u>12:35</u>
Equipment SN: <u>789301</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>7042-3818</u>	
From: <u>March 2023 LF Re-Sample</u>	Weather Conditions: <u>68°/30° sunny</u>		
Calibration Log			

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air sat)				103.97	
Specific Conductance (µS/cm)	22250153 11/23	15.57	4490	3935.2	
pH (4)	22250153 11/23	15.80	4	4.23	
pH (7)	2216893 11/23	15.79	7	7.03	
pH (10)	21320202 12/23	15.60	10	10.33	
ORP (mV)	21390144 11/23	15.80	228	211.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.04	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.84	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	19.91	4	4.07	±0.1 SU	Yes	No	
Mid-Day pH (7) check	19.75	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	20.11	10	10.12	±0.1 SU	Yes	No	

Field Technician: Meredith Duncan	Date: 4/11/23	Time (Calibration): 0830	Time (Mid-day Check): 1030
ApnaTest SN: 893479	Turbidity Meter Type: la Motte	SN: 2068-0320	
Project: Bowen Resample 4/23	Weather Conditions: 41°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				99.32	
Specific Conductance (µS/cm)	22250153 11/23	14.16	4490	4989.1	
pH (4)	22250153 11/23	14.46	4	4.01	
pH (7)	2216893 11/23	14.25	7	7.05	
pH (10)	21320202 12/23	13.85	10	10.12	
ORP (mV)	21390144 11/23	13.46	228	251.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.92	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.56	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Field Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	14.72	4	4.11	±0.3 SU	Yes	No	
Mid-Day pH (7) check	14.80	7	7.18	±0.3 SU	Yes	No	
Mid-Day pH (10) check	15.10	10	10.12	±0.3 SU	Yes	No	

Low-Flow Test Report:

Test Date / Time: 7/25/2023 9:55:04 AM
Project: Plant Bowen LF Cells 9&10 July 2023
Operator Name: William Laaker

Location Name: GWA-43 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.53 ft Total Depth: 92.53 ft Initial Depth to Water: 55.97 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.53 ft Estimated Total Volume Pumped: 5600 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.23 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Ant debris in water at the start of pumping.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/25/2023 9:55 AM	00:00	5.34 pH	18.24 °C	28.47 µS/cm	7.04 mg/L	7.17 NTU	96.0 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 9:59 AM	04:00	4.86 pH	18.04 °C	25.98 µS/cm	7.41 mg/L	6.64 NTU	94.7 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 10:03 AM	08:00	4.74 pH	17.92 °C	25.16 µS/cm	7.54 mg/L	5.05 NTU	94.6 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 10:07 AM	12:00	4.68 pH	18.02 °C	24.46 µS/cm	7.63 mg/L	4.58 NTU	94.7 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 10:11 AM	16:00	4.64 pH	17.88 °C	23.90 µS/cm	7.78 mg/L	3.37 NTU	96.5 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 10:15 AM	20:00	4.62 pH	17.88 °C	23.84 µS/cm	7.83 mg/L	3.03 NTU	96.8 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 10:19 AM	24:00	4.62 pH	17.95 °C	23.96 µS/cm	7.86 mg/L	2.95 NTU	97.1 mV	56.20 ft	0.01 PSU	200.00 ml/min
7/25/2023 10:23 AM	28:00	4.64 pH	17.88 °C	24.22 µS/cm	7.94 mg/L	2.18 NTU	97.0 mV	56.20 ft	0.01 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWA-43	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/25/2023 10:52:55 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Meredith Duncan

<p>Location Name: GWA-39RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.07 ft Total Depth: 140.07 ft Initial Depth to Water: 67.25 ft</p>	<p>Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 135.07 ft Estimated Total Volume Pumped: 46000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 52.35 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 893479</p>
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Test Notes:

Prepurged 9L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/25/2023 10:52 AM	00:00	7.03 pH	17.69 °C	287.66 µS/cm	0.35 mg/L	1.81 NTU	73.4 mV	78.66 ft	0.14 PSU	140.00 ml/min
7/25/2023 10:56 AM	04:00	7.02 pH	17.79 °C	288.22 µS/cm	0.37 mg/L	0.79 NTU	78.5 mV	79.30 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:00 AM	08:00	7.01 pH	17.77 °C	288.65 µS/cm	0.40 mg/L	0.92 NTU	77.0 mV	79.91 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:04 AM	12:00	7.01 pH	17.77 °C	289.32 µS/cm	0.43 mg/L	1.05 NTU	73.2 mV	80.55 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:08 AM	16:00	7.00 pH	17.96 °C	289.94 µS/cm	0.46 mg/L	1.84 NTU	69.5 mV	80.91 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:12 AM	20:00	6.99 pH	17.91 °C	289.73 µS/cm	0.48 mg/L	1.04 NTU	67.6 mV	81.95 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:16 AM	24:00	6.99 pH	18.02 °C	289.10 µS/cm	0.50 mg/L	0.86 NTU	62.8 mV	82.50 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:20 AM	28:00	6.98 pH	18.04 °C	289.59 µS/cm	0.56 mg/L	1.04 NTU	61.2 mV	83.25 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:24 AM	32:00	6.98 pH	17.95 °C	290.41 µS/cm	0.59 mg/L	1.10 NTU	58.9 mV	83.78 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:28 AM	36:00	6.97 pH	17.95 °C	291.09 µS/cm	0.63 mg/L	0.78 NTU	57.1 mV	84.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:32 AM	40:00	6.97 pH	18.04 °C	290.41 µS/cm	0.66 mg/L	1.55 NTU	57.3 mV	84.96 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:36 AM	44:00	6.97 pH	18.26 °C	290.20 µS/cm	0.71 mg/L	1.53 NTU	55.9 mV	85.55 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:40 AM	48:00	6.97 pH	18.13 °C	290.03 µS/cm	0.78 mg/L	0.83 NTU	56.9 mV	86.12 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:44 AM	52:00	6.97 pH	18.18 °C	289.99 µS/cm	0.86 mg/L	0.63 NTU	60.5 mV	86.70 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:48 AM	56:00	6.97 pH	18.24 °C	290.56 µS/cm	0.92 mg/L	1.07 NTU	60.2 mV	87.32 ft	0.14 PSU	140.00 ml/min

7/25/2023 11:52 AM	01:00:00	6.98 pH	18.35 °C	289.81 µS/cm	0.97 mg/L	1.55 NTU	62.0 mV	87.85 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:56 AM	01:04:00	6.98 pH	18.50 °C	289.55 µS/cm	1.03 mg/L	1.15 NTU	62.9 mV	88.40 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:00 PM	01:08:00	6.99 pH	18.23 °C	290.04 µS/cm	1.10 mg/L	1.28 NTU	64.7 mV	88.95 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:04 PM	01:12:00	6.99 pH	18.22 °C	290.41 µS/cm	1.18 mg/L	1.34 NTU	66.5 mV	89.45 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:08 PM	01:16:00	7.00 pH	18.30 °C	289.92 µS/cm	1.23 mg/L	1.23 NTU	66.7 mV	90.01 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:12 PM	01:20:00	7.00 pH	18.22 °C	290.20 µS/cm	1.25 mg/L	1.16 NTU	68.1 mV	90.55 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:16 PM	01:24:00	7.00 pH	18.44 °C	290.30 µS/cm	1.30 mg/L	0.89 NTU	69.7 mV	91.10 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:20 PM	01:28:00	7.01 pH	18.44 °C	290.64 µS/cm	1.31 mg/L	1.21 NTU	68.9 mV	91.61 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:24 PM	01:32:00	7.01 pH	18.35 °C	290.38 µS/cm	1.29 mg/L	1.16 NTU	69.3 mV	92.08 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:28 PM	01:36:00	7.02 pH	18.30 °C	289.85 µS/cm	1.44 mg/L	0.95 NTU	70.8 mV	92.55 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:32 PM	01:40:00	7.02 pH	18.33 °C	290.40 µS/cm	1.44 mg/L	1.23 NTU	70.2 mV	93.11 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:36 PM	01:44:00	7.02 pH	18.33 °C	290.60 µS/cm	1.43 mg/L	1.09 NTU	68.6 mV	93.62 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:40 PM	01:48:00	7.02 pH	18.43 °C	290.18 µS/cm	1.49 mg/L	1.22 NTU	69.3 mV	94.10 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:44 PM	01:52:00	7.02 pH	18.46 °C	289.96 µS/cm	1.51 mg/L	1.17 NTU	71.1 mV	94.65 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:48 PM	01:56:00	7.02 pH	18.55 °C	289.93 µS/cm	1.49 mg/L	1.00 NTU	69.4 mV	95.10 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:52 PM	02:00:00	7.02 pH	18.56 °C	289.45 µS/cm	1.57 mg/L	0.87 NTU	71.7 mV	95.65 ft	0.14 PSU	140.00 ml/min
7/25/2023 12:56 PM	02:04:00	7.02 pH	18.74 °C	290.64 µS/cm	1.59 mg/L	0.93 NTU	70.4 mV	96.05 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:00 PM	02:08:00	7.02 pH	19.06 °C	289.54 µS/cm	1.57 mg/L	0.98 NTU	69.7 mV	96.55 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:04 PM	02:12:00	7.03 pH	18.89 °C	287.93 µS/cm	1.59 mg/L	0.88 NTU	72.5 mV	97.00 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:08 PM	02:16:00	7.04 pH	18.63 °C	288.63 µS/cm	1.63 mg/L	1.48 NTU	73.1 mV	97.50 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:12 PM	02:20:00	7.04 pH	18.75 °C	290.22 µS/cm	1.61 mg/L	1.07 NTU	72.0 mV	97.99 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:16 PM	02:24:00	7.04 pH	18.88 °C	289.79 µS/cm	1.74 mg/L	1.39 NTU	74.5 mV	98.40 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:20 PM	02:28:00	7.05 pH	18.73 °C	288.74 µS/cm	1.73 mg/L	1.39 NTU	74.5 mV	98.89 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:24 PM	02:32:00	7.05 pH	18.75 °C	289.63 µS/cm	1.74 mg/L	1.01 NTU	76.0 mV	99.25 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:28 PM	02:36:00	7.05 pH	18.66 °C	288.18 µS/cm	1.78 mg/L	0.97 NTU	76.7 mV	99.70 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:32 PM	02:40:00	7.05 pH	18.67 °C	289.76 µS/cm	1.81 mg/L	1.09 NTU	76.7 mV	100.15 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:36 PM	02:44:00	7.06 pH	18.76 °C	288.63 µS/cm	1.86 mg/L	0.85 NTU	82.0 mV	100.59 ft	0.14 PSU	140.00 ml/min
7/25/2023 1:40 PM	02:48:00	7.06 pH	18.62 °C	288.75 µS/cm	1.91 mg/L	0.95 NTU	81.5 mV	101.00 ft	0.14 PSU	190.00 ml/min
7/25/2023 1:44 PM	02:52:00	7.08 pH	18.23 °C	287.54 µS/cm	1.92 mg/L	0.97 NTU	83.9 mV	101.70 ft	0.14 PSU	190.00 ml/min

7/25/2023 1:48 PM	02:56:00	7.06 pH	18.04 °C	287.49 µS/cm	1.89 mg/L	1.12 NTU	88.3 mV	102.31 ft	0.14 PSU	200.00 ml/min
7/25/2023 1:52 PM	03:00:00	7.07 pH	17.55 °C	288.26 µS/cm	1.95 mg/L	1.17 NTU	92.7 mV	103.20 ft	0.14 PSU	200.00 ml/min
7/25/2023 1:56 PM	03:04:00	7.05 pH	17.55 °C	287.42 µS/cm	1.99 mg/L	1.21 NTU	97.2 mV	104.18 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:00 PM	03:08:00	7.05 pH	17.64 °C	289.25 µS/cm	2.03 mg/L	1.16 NTU	97.1 mV	105.20 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:04 PM	03:12:00	7.05 pH	17.59 °C	289.61 µS/cm	2.05 mg/L	1.23 NTU	98.4 mV	106.10 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:08 PM	03:16:00	7.05 pH	17.82 °C	290.56 µS/cm	2.09 mg/L	1.19 NTU	99.2 mV	106.99 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:12 PM	03:20:00	7.06 pH	17.64 °C	290.42 µS/cm	2.11 mg/L	1.43 NTU	100.4 mV	107.83 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:16 PM	03:24:00	7.06 pH	17.75 °C	290.32 µS/cm	2.14 mg/L	1.75 NTU	101.7 mV	108.70 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:20 PM	03:28:00	7.07 pH	17.51 °C	289.99 µS/cm	2.18 mg/L	1.35 NTU	105.4 mV	109.57 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:24 PM	03:32:00	7.07 pH	17.55 °C	291.04 µS/cm	2.24 mg/L	1.23 NTU	106.2 mV	110.43 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:28 PM	03:36:00	7.07 pH	17.55 °C	290.73 µS/cm	2.26 mg/L	1.47 NTU	108.1 mV	111.20 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:32 PM	03:40:00	7.07 pH	17.75 °C	291.38 µS/cm	2.28 mg/L	1.34 NTU	108.6 mV	111.98 ft	0.14 PSU	200.00 ml/min
7/25/2023 2:36 PM	03:44:00	7.08 pH	17.69 °C	292.07 µS/cm	2.31 mg/L	1.14 NTU	110.6 mV	112.72 ft	0.14 PSU	220.00 ml/min
7/25/2023 2:40 PM	03:48:00	7.08 pH	17.53 °C	292.36 µS/cm	2.40 mg/L	1.56 NTU	113.4 mV	113.74 ft	0.14 PSU	220.00 ml/min
7/25/2023 2:44 PM	03:52:00	7.08 pH	17.46 °C	292.56 µS/cm	2.37 mg/L	1.45 NTU	115.2 mV	114.68 ft	0.14 PSU	220.00 ml/min
7/25/2023 2:48 PM	03:56:00	7.08 pH	17.52 °C	295.11 µS/cm	2.30 mg/L	1.53 NTU	114.4 mV	115.50 ft	0.14 PSU	100.00 ml/min
7/25/2023 2:52 PM	04:00:00	7.05 pH	18.22 °C	297.88 µS/cm	2.32 mg/L	1.69 NTU	112.5 mV	115.92 ft	0.14 PSU	100.00 ml/min
7/25/2023 2:56 PM	04:04:00	7.05 pH	19.59 °C	295.79 µS/cm	2.26 mg/L		113.5 mV		0.14 PSU	0.00 ml/min
7/25/2023 3:00 PM	04:08:00	7.04 pH	20.56 °C	295.46 µS/cm	2.23 mg/L		118.5 mV		0.14 PSU	0.00 ml/min
7/25/2023 3:04 PM	04:12:00	7.03 pH	21.47 °C	295.47 µS/cm	2.21 mg/L		119.6 mV		0.14 PSU	0.00 ml/min
7/25/2023 3:08 PM	04:16:00	7.02 pH	22.30 °C	295.94 µS/cm	2.25 mg/L		119.1 mV		0.14 PSU	0.00 ml/min
7/25/2023 3:12 PM	04:20:00	7.01 pH	23.06 °C	296.66 µS/cm	2.61 mg/L		63.2 mV		0.14 PSU	0.00 ml/min
7/25/2023 3:16 PM	04:24:00	7.07 pH	22.34 °C	287.01 µS/cm	2.36 mg/L	1.90 NTU	113.5 mV	113.73 ft	0.14 PSU	120.00 ml/min
7/25/2023 3:20 PM	04:28:00	7.14 pH	19.15 °C	285.80 µS/cm	2.53 mg/L	0.60 NTU	115.3 mV	114.00 ft	0.14 PSU	120.00 ml/min
7/25/2023 3:24 PM	04:32:00	7.18 pH	18.98 °C	289.42 µS/cm	2.67 mg/L	0.25 NTU	113.8 mV	114.31 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:28 PM	04:36:00	7.21 pH	18.02 °C	288.24 µS/cm	2.75 mg/L	0.63 NTU	118.2 mV	114.90 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:32 PM	04:40:00	7.20 pH	17.90 °C	289.93 µS/cm	2.68 mg/L	0.16 NTU	120.2 mV	115.60 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:36 PM	04:44:00	7.21 pH	17.97 °C	291.06 µS/cm	2.66 mg/L	0.35 NTU	120.5 mV	116.15 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:40 PM	04:48:00	7.22 pH	17.84 °C	290.56 µS/cm	2.64 mg/L	0.18 NTU	121.2 mV	116.72 ft	0.14 PSU	150.00 ml/min

7/25/2023 3:44 PM	04:52:00	7.21 pH	17.76 °C	289.82 µS/cm	2.63 mg/L	0.26 NTU	122.8 mV	117.31 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:48 PM	04:56:00	7.18 pH	17.75 °C	289.87 µS/cm	2.60 mg/L	0.65 NTU	126.9 mV	118.35 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:52 PM	05:00:00	7.16 pH	17.77 °C	290.81 µS/cm	2.61 mg/L	0.80 NTU	130.2 mV	118.81 ft	0.14 PSU	150.00 ml/min
7/25/2023 3:56 PM	05:04:00	7.15 pH	17.82 °C	292.13 µS/cm	2.60 mg/L	1.37 NTU	132.1 mV	119.00 ft	0.14 PSU	120.00 ml/min
7/25/2023 4:00 PM	05:08:00	7.13 pH	18.51 °C	293.02 µS/cm	2.65 mg/L	1.29 NTU	132.2 mV	119.16 ft	0.14 PSU	120.00 ml/min
7/25/2023 4:04 PM	05:12:00	7.12 pH	18.93 °C	291.63 µS/cm	2.71 mg/L	0.86 NTU	133.3 mV	119.32 ft	0.14 PSU	100.00 ml/min
7/25/2023 4:08 PM	05:16:00	7.16 pH	19.14 °C	288.44 µS/cm	2.99 mg/L	0.36 NTU	132.8 mV	119.40 ft	0.14 PSU	100.00 ml/min
7/25/2023 4:12 PM	05:20:00	7.17 pH	19.31 °C	287.52 µS/cm	3.04 mg/L	0.53 NTU	134.2 mV	119.48 ft	0.14 PSU	100.00 ml/min
7/25/2023 4:16 PM	05:24:00	7.19 pH	19.38 °C	286.63 µS/cm	3.16 mg/L	0.31 NTU	135.4 mV	119.60 ft	0.14 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWA-39RZ	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/25/2023 11:00:39 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWA-43R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 104.58 ft Total Depth: 114.58 ft Initial Depth to Water: 56.3 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 109.58 ft Estimated Total Volume Pumped: 9120 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Lowered pump rate at 40:00 to 110 mL/min to stabilize turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/25/2023 11:00 AM	00:00	6.74 pH	18.60 °C	291.62 µS/cm	7.63 mg/L	0.78 NTU	76.1 mV	56.37 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:04 AM	04:00	6.91 pH	18.60 °C	289.75 µS/cm	7.67 mg/L	1.40 NTU	79.1 mV	56.37 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:08 AM	08:00	7.03 pH	18.55 °C	287.37 µS/cm	7.60 mg/L	2.72 NTU	80.4 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:12 AM	12:00	7.11 pH	18.73 °C	288.21 µS/cm	7.65 mg/L	2.91 NTU	81.1 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:16 AM	16:00	7.17 pH	18.63 °C	287.50 µS/cm	7.58 mg/L	3.45 NTU	82.3 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:20 AM	20:00	7.22 pH	18.46 °C	287.45 µS/cm	7.56 mg/L	3.87 NTU	82.9 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:24 AM	24:00	7.25 pH	18.49 °C	287.56 µS/cm	7.66 mg/L	4.55 NTU	83.7 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:28 AM	28:00	7.26 pH	18.82 °C	288.09 µS/cm	7.98 mg/L	4.79 NTU	84.1 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:32 AM	32:00	7.27 pH	18.91 °C	287.61 µS/cm	7.83 mg/L	5.57 NTU	84.6 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:36 AM	36:00	7.28 pH	18.98 °C	287.25 µS/cm	7.70 mg/L	5.56 NTU	84.9 mV	56.38 ft	0.14 PSU	140.00 ml/min
7/25/2023 11:40 AM	40:00	7.29 pH	19.04 °C	287.19 µS/cm	7.60 mg/L	5.56 NTU	85.1 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 11:44 AM	44:00	7.29 pH	19.39 °C	287.47 µS/cm	7.40 mg/L	5.50 NTU	85.2 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 11:48 AM	48:00	7.29 pH	19.36 °C	287.08 µS/cm	7.47 mg/L	5.35 NTU	85.3 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 11:52 AM	52:00	7.30 pH	19.31 °C	286.20 µS/cm	7.81 mg/L	5.53 NTU	86.3 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 11:56 AM	56:00	7.30 pH	19.39 °C	286.11 µS/cm	7.77 mg/L	5.44 NTU	87.1 mV	56.38 ft	0.14 PSU	110.00 ml/min

7/25/2023 12:00 PM	01:00:00	7.30 pH	19.11 °C	286.14 µS/cm	7.57 mg/L	5.46 NTU	87.4 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 12:04 PM	01:04:00	7.31 pH	19.27 °C	286.71 µS/cm	7.50 mg/L	4.91 NTU	88.2 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 12:08 PM	01:08:00	7.31 pH	19.09 °C	285.55 µS/cm	7.62 mg/L	4.94 NTU	89.0 mV	56.38 ft	0.14 PSU	110.00 ml/min
7/25/2023 12:12 PM	01:12:00	7.31 pH	19.18 °C	286.23 µS/cm	7.58 mg/L	4.70 NTU	88.9 mV	56.38 ft	0.14 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-43R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/25/2023 1:13:01 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWA-41 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 92.5 ft Total Depth: 102.5 ft Initial Depth to Water: 82.67 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 97.5 ft Estimated Total Volume Pumped: 13200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/25/2023 1:13 PM	00:00	5.91 pH	20.03 °C	52.88 µS/cm	8.42 mg/L	0.95 NTU	107.4 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:17 PM	04:00	5.50 pH	20.07 °C	43.40 µS/cm	8.32 mg/L	1.46 NTU	111.6 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:21 PM	08:00	5.20 pH	20.11 °C	38.09 µS/cm	8.19 mg/L	1.74 NTU	113.1 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:25 PM	12:00	5.03 pH	19.97 °C	34.92 µS/cm	8.02 mg/L	1.52 NTU	114.2 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:29 PM	16:00	4.95 pH	19.86 °C	34.55 µS/cm	8.00 mg/L	1.55 NTU	113.0 mV	82.73 ft	0.01 PSU	150.00 ml/min
7/25/2023 1:33 PM	20:00	4.91 pH	19.88 °C	34.88 µS/cm	8.02 mg/L	1.32 NTU	112.7 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:37 PM	24:00	4.93 pH	19.97 °C	37.58 µS/cm	8.07 mg/L	1.03 NTU	111.1 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:41 PM	28:00	4.99 pH	20.06 °C	42.25 µS/cm	8.13 mg/L	1.18 NTU	109.8 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:45 PM	32:00	5.05 pH	20.04 °C	47.16 µS/cm	8.17 mg/L	0.86 NTU	108.9 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:49 PM	36:00	5.11 pH	19.97 °C	51.31 µS/cm	8.25 mg/L	0.82 NTU	108.4 mV	82.73 ft	0.02 PSU	150.00 ml/min
7/25/2023 1:53 PM	40:00	5.18 pH	19.76 °C	56.81 µS/cm	8.27 mg/L	0.85 NTU	108.0 mV	82.73 ft	0.03 PSU	150.00 ml/min
7/25/2023 1:57 PM	44:00	5.24 pH	19.93 °C	62.06 µS/cm	8.36 mg/L	0.87 NTU	107.5 mV	82.73 ft	0.03 PSU	150.00 ml/min
7/25/2023 2:01 PM	48:00	5.29 pH	20.04 °C	66.36 µS/cm	8.39 mg/L	0.66 NTU	107.5 mV	82.73 ft	0.03 PSU	150.00 ml/min
7/25/2023 2:05 PM	52:00	5.33 pH	20.17 °C	70.82 µS/cm	8.41 mg/L	0.60 NTU	107.2 mV	82.73 ft	0.03 PSU	150.00 ml/min
7/25/2023 2:09 PM	56:00	5.37 pH	20.29 °C	74.30 µS/cm	8.44 mg/L	0.66 NTU	107.3 mV	82.73 ft	0.03 PSU	150.00 ml/min

7/25/2023 2:13 PM	01:00:00	5.42 pH	20.14 °C	77.96 µS/cm	8.44 mg/L	0.72 NTU	108.1 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:17 PM	01:04:00	5.44 pH	20.20 °C	80.74 µS/cm	8.47 mg/L	0.77 NTU	108.3 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:21 PM	01:08:00	5.46 pH	20.29 °C	82.79 µS/cm	8.54 mg/L	0.44 NTU	108.7 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:25 PM	01:12:00	5.49 pH	20.29 °C	85.79 µS/cm	8.54 mg/L	0.49 NTU	109.4 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:29 PM	01:16:00	5.51 pH	20.20 °C	88.50 µS/cm	8.59 mg/L	0.67 NTU	110.1 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:33 PM	01:20:00	5.54 pH	20.23 °C	90.09 µS/cm	8.55 mg/L	0.59 NTU	110.4 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:37 PM	01:24:00	5.56 pH	20.15 °C	91.87 µS/cm	8.52 mg/L	0.46 NTU	110.9 mV	82.73 ft	0.04 PSU	150.00 ml/min
7/25/2023 2:41 PM	01:28:00	5.58 pH	20.10 °C	92.90 µS/cm	8.55 mg/L	0.21 NTU	111.9 mV	82.73 ft	0.04 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-41	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/25/2023 3:18:56 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWA-41R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 121.05 ft Total Depth: 131.05 ft Initial Depth to Water: 83.43 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 126.05 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/25/2023 3:18 PM	00:00	6.28 pH	20.19 °C	283.36 µS/cm	0.58 mg/L	0.42 NTU	70.4 mV	83.61 ft	0.14 PSU	140.00 ml/min
7/25/2023 3:22 PM	04:00	6.25 pH	20.27 °C	279.25 µS/cm	0.44 mg/L	0.51 NTU	70.5 mV	83.61 ft	0.13 PSU	140.00 ml/min
7/25/2023 3:26 PM	08:00	6.23 pH	19.93 °C	278.89 µS/cm	0.36 mg/L	0.33 NTU	69.6 mV	83.61 ft	0.13 PSU	140.00 ml/min
7/25/2023 3:30 PM	12:00	6.20 pH	20.11 °C	281.67 µS/cm	0.31 mg/L	0.27 NTU	67.8 mV	83.61 ft	0.14 PSU	140.00 ml/min
7/25/2023 3:34 PM	16:00	6.19 pH	20.18 °C	288.59 µS/cm	0.28 mg/L	0.27 NTU	65.8 mV	83.61 ft	0.14 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-41R	Metals, Inorganics, Alkalinity, TDS
FD-01	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 9:41:48 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Meredith Duncan

Location Name: GWA-39Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107.54 ft Total Depth: 117.54 ft Initial Depth to Water: 68.95 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112.54 ft Estimated Total Volume Pumped: 15120 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.34 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/26/2023 9:41 AM	00:00	6.29 pH	17.77 °C	61.73 µS/cm	7.60 mg/L	0.30 NTU	176.2 mV	69.13 ft	0.03 PSU	140.00 ml/min
7/26/2023 9:45 AM	04:00	5.98 pH	17.63 °C	48.22 µS/cm	8.02 mg/L	0.27 NTU	179.3 mV	69.25 ft	0.02 PSU	140.00 ml/min
7/26/2023 9:49 AM	08:00	5.66 pH	17.82 °C	42.58 µS/cm	8.19 mg/L	0.31 NTU	181.7 mV	69.26 ft	0.02 PSU	140.00 ml/min
7/26/2023 9:53 AM	12:00	5.45 pH	17.75 °C	40.81 µS/cm	8.25 mg/L	0.23 NTU	182.7 mV	69.28 ft	0.02 PSU	140.00 ml/min
7/26/2023 9:57 AM	16:00	5.33 pH	17.86 °C	40.94 µS/cm	8.28 mg/L	0.50 NTU	183.3 mV	69.28 ft	0.02 PSU	140.00 ml/min
7/26/2023 10:01 AM	20:00	5.28 pH	17.84 °C	42.80 µS/cm	8.26 mg/L	0.40 NTU	182.9 mV	69.28 ft	0.02 PSU	140.00 ml/min
7/26/2023 10:05 AM	24:00	5.27 pH	17.82 °C	45.84 µS/cm	8.26 mg/L	0.10 NTU	183.2 mV	69.28 ft	0.02 PSU	140.00 ml/min
7/26/2023 10:09 AM	28:00	5.29 pH	17.73 °C	49.73 µS/cm	8.30 mg/L	0.20 NTU	182.7 mV	69.28 ft	0.02 PSU	140.00 ml/min
7/26/2023 10:13 AM	32:00	5.32 pH	17.73 °C	53.84 µS/cm	8.28 mg/L	0.21 NTU	181.8 mV	69.28 ft	0.02 PSU	140.00 ml/min
7/26/2023 10:17 AM	36:00	5.36 pH	17.72 °C	57.91 µS/cm	8.27 mg/L	0.04 NTU	181.4 mV	69.28 ft	0.03 PSU	140.00 ml/min
7/26/2023 10:21 AM	40:00	5.40 pH	17.71 °C	61.69 µS/cm	8.23 mg/L	0.18 NTU	180.4 mV	69.29 ft	0.03 PSU	140.00 ml/min
7/26/2023 10:25 AM	44:00	5.44 pH	17.76 °C	65.50 µS/cm	8.24 mg/L	0.13 NTU	180.3 mV	69.29 ft	0.03 PSU	140.00 ml/min
7/26/2023 10:29 AM	48:00	5.47 pH	17.82 °C	69.00 µS/cm	8.34 mg/L	0.29 NTU	179.9 mV	69.29 ft	0.03 PSU	140.00 ml/min
7/26/2023 10:33 AM	52:00	5.49 pH	17.91 °C	72.38 µS/cm	8.32 mg/L	0.34 NTU	179.4 mV	69.29 ft	0.03 PSU	140.00 ml/min
7/26/2023 10:37 AM	56:00	5.52 pH	18.00 °C	75.47 µS/cm	8.31 mg/L	0.04 NTU	179.1 mV	69.29 ft	0.03 PSU	140.00 ml/min

7/26/2023 10:41 AM	01:00:00	5.54 pH	18.04 °C	78.49 µS/cm	8.28 mg/L	0.06 NTU	178.9 mV	69.29 ft	0.04 PSU	140.00 ml/min
7/26/2023 10:45 AM	01:04:00	5.56 pH	18.09 °C	81.40 µS/cm	8.27 mg/L	0.12 NTU	178.6 mV	69.29 ft	0.04 PSU	140.00 ml/min
7/26/2023 10:49 AM	01:08:00	5.59 pH	17.91 °C	84.16 µS/cm	8.26 mg/L	0.09 NTU	178.6 mV	69.29 ft	0.04 PSU	140.00 ml/min
7/26/2023 10:53 AM	01:12:00	5.61 pH	18.04 °C	87.82 µS/cm	8.26 mg/L	0.05 NTU	178.3 mV	69.29 ft	0.04 PSU	140.00 ml/min
7/26/2023 10:57 AM	01:16:00	5.63 pH	18.13 °C	90.68 µS/cm	8.21 mg/L	0.07 NTU	178.1 mV	69.29 ft	0.04 PSU	140.00 ml/min
7/26/2023 11:01 AM	01:20:00	5.65 pH	18.28 °C	93.98 µS/cm	8.18 mg/L	0.23 NTU	178.0 mV	69.29 ft	0.04 PSU	140.00 ml/min
7/26/2023 11:05 AM	01:24:00	5.67 pH	18.50 °C	96.56 µS/cm	8.11 mg/L	0.18 NTU	177.7 mV	69.29 ft	0.05 PSU	140.00 ml/min
7/26/2023 11:09 AM	01:28:00	5.69 pH	18.66 °C	99.27 µS/cm	8.09 mg/L	0.09 NTU	177.9 mV	69.29 ft	0.05 PSU	140.00 ml/min
7/26/2023 11:13 AM	01:32:00	5.71 pH	18.44 °C	102.59 µS/cm	8.13 mg/L	0.10 NTU	177.7 mV	69.29 ft	0.05 PSU	140.00 ml/min
7/26/2023 11:17 AM	01:36:00	5.73 pH	18.32 °C	105.16 µS/cm	8.15 mg/L	0.06 NTU	177.7 mV	69.29 ft	0.05 PSU	140.00 ml/min
7/26/2023 11:21 AM	01:40:00	5.74 pH	18.22 °C	107.93 µS/cm	8.15 mg/L	0.12 NTU	177.8 mV	69.29 ft	0.05 PSU	140.00 ml/min
7/26/2023 11:25 AM	01:44:00	5.75 pH	18.34 °C	110.39 µS/cm	8.13 mg/L	0.16 NTU	176.3 mV	69.29 ft	0.05 PSU	140.00 ml/min
7/26/2023 11:29 AM	01:48:00	5.77 pH	18.28 °C	112.52 µS/cm	8.08 mg/L	0.08 NTU	176.4 mV	69.29 ft	0.05 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-39Z	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 11:58:17 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Kevin Stephenson

Location Name: GWC-45 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.55 ft Total Depth: 67.55 ft Initial Depth to Water: 45.78 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.55 ft Estimated Total Volume Pumped: 4320 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 3.59 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/26/2023 11:58 AM	00:00	4.65 pH	22.47 °C	25.85 µS/cm	5.60 mg/L	0.52 NTU	151.2 mV	48.08 ft	0.01 PSU	160.00 ml/min
7/26/2023 12:02 PM	04:00	4.30 pH	21.09 °C	25.32 µS/cm	5.32 mg/L	0.60 NTU	146.4 mV	48.31 ft	0.01 PSU	160.00 ml/min
7/26/2023 12:06 PM	08:00	4.26 pH	21.00 °C	25.19 µS/cm	5.06 mg/L	0.59 NTU	135.3 mV	48.88 ft	0.01 PSU	160.00 ml/min
7/26/2023 12:10 PM	12:00	4.23 pH	21.06 °C	25.63 µS/cm	5.10 mg/L	0.40 NTU	131.9 mV	48.88 ft	0.01 PSU	120.00 ml/min
7/26/2023 12:14 PM	16:00	4.23 pH	21.93 °C	25.46 µS/cm	4.90 mg/L	0.52 NTU	130.4 mV	49.94 ft	0.01 PSU	120.00 ml/min
7/26/2023 12:18 PM	20:00	4.23 pH	21.73 °C	25.42 µS/cm	4.89 mg/L	0.50 NTU	129.9 mV	49.07 ft	0.01 PSU	120.00 ml/min
7/26/2023 12:22 PM	24:00	4.21 pH	21.77 °C	25.65 µS/cm	5.11 mg/L	0.45 NTU	130.5 mV	49.21 ft	0.01 PSU	120.00 ml/min
7/26/2023 12:26 PM	28:00	4.20 pH	21.80 °C	25.83 µS/cm	5.24 mg/L	0.52 NTU	131.1 mV	49.27 ft	0.01 PSU	120.00 ml/min
7/26/2023 12:30 PM	32:00	4.19 pH	21.82 °C	25.67 µS/cm	5.36 mg/L	0.41 NTU	132.5 mV	49.37 ft	0.01 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-45	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 12:29:18 PM
Project: Plant Bowen LF Cells 9&10 July 2023
Operator Name: Meredith Duncan

Location Name: GWA-40 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 145.02 ft Total Depth: 155.02 ft Initial Depth to Water: 72.8 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 150.02 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/26/2023 12:29 PM	00:00	6.64 pH	21.20 °C	211.77 µS/cm	6.27 mg/L	0.44 NTU	158.0 mV	72.80 ft	0.10 PSU	150.00 ml/min
7/26/2023 12:33 PM	04:00	6.55 pH	20.58 °C	188.08 µS/cm	7.25 mg/L	0.09 NTU	162.1 mV	72.80 ft	0.09 PSU	150.00 ml/min
7/26/2023 12:37 PM	08:00	6.52 pH	20.40 °C	163.26 µS/cm	8.34 mg/L	0.42 NTU	164.5 mV	72.80 ft	0.08 PSU	150.00 ml/min
7/26/2023 12:41 PM	12:00	6.49 pH	20.40 °C	159.26 µS/cm	8.47 mg/L	1.01 NTU	165.7 mV	72.80 ft	0.08 PSU	150.00 ml/min
7/26/2023 12:45 PM	16:00	6.46 pH	20.45 °C	161.14 µS/cm	8.72 mg/L	0.37 NTU	165.7 mV	72.80 ft	0.08 PSU	150.00 ml/min
7/26/2023 12:49 PM	20:00	6.46 pH	20.53 °C	159.61 µS/cm	8.69 mg/L	0.34 NTU	166.3 mV	72.80 ft	0.08 PSU	150.00 ml/min
7/26/2023 12:53 PM	24:00	6.46 pH	20.55 °C	159.48 µS/cm	8.60 mg/L	0.14 NTU	166.7 mV	72.80 ft	0.08 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-40	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 1:05:44 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWC-44 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 81.1 ft Total Depth: 91.1 ft Initial Depth to Water: 56.64 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 86.1 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/26/2023 1:05 PM	00:00	4.16 pH	20.60 °C	57.33 µS/cm	5.72 mg/L	0.16 NTU	146.8 mV	56.80 ft	0.03 PSU	140.00 ml/min
7/26/2023 1:09 PM	04:00	4.14 pH	20.49 °C	56.49 µS/cm	5.72 mg/L	0.19 NTU	146.4 mV	56.80 ft	0.03 PSU	140.00 ml/min
7/26/2023 1:13 PM	08:00	4.11 pH	20.68 °C	56.51 µS/cm	5.71 mg/L	0.10 NTU	146.8 mV	56.80 ft	0.03 PSU	140.00 ml/min
7/26/2023 1:17 PM	12:00	4.08 pH	20.64 °C	56.64 µS/cm	5.75 mg/L	0.20 NTU	147.5 mV	56.81 ft	0.03 PSU	140.00 ml/min
7/26/2023 1:21 PM	16:00	4.08 pH	20.78 °C	57.01 µS/cm	5.68 mg/L	0.10 NTU	147.2 mV	56.82 ft	0.03 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-44	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 1:40:49 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Kevin Stephenson

Location Name: GWC-45R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 120.12 ft Total Depth: 130.12 ft Initial Depth to Water: 52.93 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 125.12 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/26/2023 1:40 PM	00:00	6.41 pH	23.92 °C	361.26 µS/cm	3.71 mg/L	0.47 NTU	97.7 mV	53.01 ft	0.17 PSU	140.00 ml/min
7/26/2023 1:44 PM	04:00	6.67 pH	22.47 °C	363.00 µS/cm	4.09 mg/L	0.55 NTU	95.4 mV	53.01 ft	0.18 PSU	140.00 ml/min
7/26/2023 1:48 PM	08:00	6.78 pH	22.47 °C	363.13 µS/cm	4.18 mg/L	0.57 NTU	95.8 mV	53.01 ft	0.18 PSU	140.00 ml/min
7/26/2023 1:52 PM	12:00	6.84 pH	22.07 °C	363.35 µS/cm	4.25 mg/L	0.45 NTU	97.1 mV	53.01 ft	0.18 PSU	140.00 ml/min
7/26/2023 1:56 PM	16:00	6.87 pH	22.04 °C	363.32 µS/cm	4.29 mg/L	0.47 NTU	97.7 mV	53.01 ft	0.18 PSU	140.00 ml/min
7/26/2023 2:00 PM	20:00	6.89 pH	22.26 °C	363.17 µS/cm	4.31 mg/L	0.50 NTU	98.5 mV	53.01 ft	0.18 PSU	140.00 ml/min
7/26/2023 2:04 PM	24:00	6.92 pH	21.97 °C	362.94 µS/cm	4.32 mg/L	0.43 NTU	99.3 mV	53.01 ft	0.18 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-45R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 2:17:22 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWC-46R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.01 ft Total Depth: 59.01 ft Initial Depth to Water: 40.81 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.01 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.41 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/26/2023 2:17 PM	00:00	6.93 pH	20.75 °C	386.50 µS/cm	7.86 mg/L	0.19 NTU	120.7 mV	42.06 ft	0.19 PSU	120.00 ml/min
7/26/2023 2:21 PM	04:00	7.02 pH	20.59 °C	386.06 µS/cm	7.83 mg/L	0.23 NTU	123.7 mV	42.11 ft	0.19 PSU	120.00 ml/min
7/26/2023 2:25 PM	08:00	7.09 pH	20.38 °C	385.63 µS/cm	7.81 mg/L	0.17 NTU	124.7 mV	42.11 ft	0.19 PSU	120.00 ml/min
7/26/2023 2:29 PM	12:00	7.13 pH	20.29 °C	386.79 µS/cm	7.82 mg/L	0.20 NTU	125.4 mV	42.17 ft	0.19 PSU	120.00 ml/min
7/26/2023 2:33 PM	16:00	7.15 pH	20.29 °C	387.79 µS/cm	7.84 mg/L	0.08 NTU	125.7 mV	42.20 ft	0.19 PSU	120.00 ml/min
7/26/2023 2:37 PM	20:00	7.17 pH	20.52 °C	388.59 µS/cm	7.82 mg/L	0.18 NTU	125.5 mV	42.20 ft	0.19 PSU	120.00 ml/min
7/26/2023 2:41 PM	24:00	7.18 pH	20.51 °C	386.69 µS/cm	7.72 mg/L	0.12 NTU	125.9 mV	42.22 ft	0.19 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-46R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 2:28:09 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Meredith Duncan

Location Name: GWA-42 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.36 ft Total Depth: 84.36 ft Initial Depth to Water: 79.5 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.36 ft Estimated Total Volume Pumped: 5600 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 11L

Water level in screed, purged 3 well volumes

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/26/2023 2:28 PM	00:00	6.86 pH	18.41 °C	273.35 µS/cm	4.89 mg/L	0.28 NTU	137.8 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:32 PM	04:00	6.86 pH	20.17 °C	272.49 µS/cm	4.77 mg/L	0.86 NTU	153.5 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:36 PM	08:00	6.87 pH	20.18 °C	271.59 µS/cm	4.72 mg/L	3.59 NTU	158.6 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:40 PM	12:00	6.87 pH	20.36 °C	272.56 µS/cm	4.75 mg/L	4.48 NTU	161.0 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:44 PM	16:00	6.88 pH	20.74 °C	272.90 µS/cm	4.76 mg/L	4.38 NTU	161.4 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:48 PM	20:00	6.90 pH	20.98 °C	271.82 µS/cm	4.72 mg/L	4.12 NTU	162.0 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:52 PM	24:00	6.90 pH	21.07 °C	272.90 µS/cm	4.75 mg/L	3.84 NTU	162.6 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 2:56 PM	28:00	6.91 pH	21.18 °C	272.04 µS/cm	4.73 mg/L	4.27 NTU	162.7 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 3:00 PM	32:00	6.91 pH	21.15 °C	272.13 µS/cm	4.74 mg/L	3.88 NTU	162.7 mV	79.55 ft	0.13 PSU	140 ml/min
7/26/2023 3:04 PM	36:00	6.92 pH	21.11 °C	272.04 µS/cm	4.72 mg/L	3.57 NTU	163.1 mV	79.55 ft	0.13 PSU	140 ml/min

Samples

Sample ID:	Description:
GWA-42	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/26/2023 3:30:27 PM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 39.03 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 2560 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/26/2023 3:30 PM	00:00	4.28 pH	20.69 °C	68.22 µS/cm	3.37 mg/L	0.19 NTU	130.6 mV	39.16 ft	0.03 PSU	160.00 ml/min
7/26/2023 3:34 PM	04:00	4.29 pH	20.74 °C	68.14 µS/cm	3.33 mg/L	0.02 NTU	131.6 mV	39.16 ft	0.03 PSU	160.00 ml/min
7/26/2023 3:38 PM	08:00	4.29 pH	20.73 °C	67.80 µS/cm	3.35 mg/L	0.04 NTU	132.4 mV	39.16 ft	0.03 PSU	160.00 ml/min
7/26/2023 3:42 PM	12:00	4.30 pH	20.61 °C	66.97 µS/cm	3.37 mg/L	0.12 NTU	133.1 mV	39.16 ft	0.03 PSU	160.00 ml/min
7/26/2023 3:46 PM	16:00	4.31 pH	20.62 °C	65.87 µS/cm	3.40 mg/L	0.10 NTU	133.4 mV	39.16 ft	0.03 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-48	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/27/2023 9:41:53 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-47R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.55 ft Total Depth: 84.55 ft Initial Depth to Water: 42.02 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.55 ft Estimated Total Volume Pumped: 9600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 7.98 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/27/2023 9:41 AM	00:00	6.89 pH	20.68 °C	298.30 µS/cm	2.49 mg/L	0.34 NTU	159.9 mV	44.05 ft	0.14 PSU	150.00 ml/min
7/27/2023 9:45 AM	04:00	6.97 pH	20.24 °C	291.26 µS/cm	2.44 mg/L	0.76 NTU	154.7 mV	44.80 ft	0.14 PSU	150.00 ml/min
7/27/2023 9:49 AM	08:00	6.95 pH	20.20 °C	283.72 µS/cm	2.13 mg/L	1.31 NTU	158.0 mV	45.65 ft	0.14 PSU	150.00 ml/min
7/27/2023 9:53 AM	12:00	6.86 pH	20.18 °C	279.21 µS/cm	1.86 mg/L	0.35 NTU	161.3 mV	46.36 ft	0.13 PSU	150.00 ml/min
7/27/2023 9:57 AM	16:00	6.79 pH	20.22 °C	276.83 µS/cm	1.84 mg/L	0.44 NTU	162.9 mV	46.91 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:01 AM	20:00	6.75 pH	20.27 °C	276.38 µS/cm	1.96 mg/L	0.86 NTU	163.5 mV	47.45 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:05 AM	24:00	6.75 pH	20.11 °C	276.12 µS/cm	2.11 mg/L	0.74 NTU	164.4 mV	47.90 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:09 AM	28:00	6.76 pH	20.27 °C	275.72 µS/cm	2.30 mg/L	0.68 NTU	164.2 mV	48.30 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:13 AM	32:00	6.78 pH	20.13 °C	275.36 µS/cm	2.46 mg/L	1.02 NTU	164.5 mV	48.70 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:17 AM	36:00	6.80 pH	20.31 °C	276.43 µS/cm	2.63 mg/L	1.09 NTU	164.7 mV	49.00 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:21 AM	40:00	6.82 pH	20.45 °C	277.84 µS/cm	2.80 mg/L	0.94 NTU	164.5 mV	49.25 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:25 AM	44:00	6.85 pH	20.45 °C	278.89 µS/cm	2.97 mg/L	0.57 NTU	164.7 mV	49.40 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:29 AM	48:00	6.88 pH	20.52 °C	280.51 µS/cm	3.14 mg/L	0.23 NTU	165.1 mV	49.60 ft	0.13 PSU	150.00 ml/min
7/27/2023 10:33 AM	52:00	6.91 pH	20.62 °C	283.18 µS/cm	3.32 mg/L	0.67 NTU	165.3 mV	49.70 ft	0.14 PSU	150.00 ml/min
7/27/2023 10:37 AM	56:00	6.95 pH	20.65 °C	283.67 µS/cm	3.43 mg/L	0.26 NTU	165.5 mV	49.80 ft	0.14 PSU	150.00 ml/min

7/27/2023 10:41 AM	01:00:00	6.99 pH	20.80 °C	284.70 µS/cm	3.55 mg/L	0.59 NTU	166.0 mV	49.88 ft	0.14 PSU	150.00 ml/min
7/27/2023 10:45 AM	01:04:00	7.03 pH	20.58 °C	286.64 µS/cm	3.68 mg/L	0.43 NTU	166.4 mV	50.00 ft	0.14 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-47R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/27/2023 9:48:19 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: William Laaker

Location Name: GWC-49R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 126.8 ft Total Depth: 136.8 ft Initial Depth to Water: 57.71 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 131.8 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/27/2023 9:48 AM	00:00	7.25 pH	20.75 °C	241.90 µS/cm	5.55 mg/L	0.08 NTU	114.7 mV	57.72 ft	0.12 PSU	150.00 ml/min
7/27/2023 9:52 AM	04:00	7.33 pH	20.70 °C	242.98 µS/cm	5.59 mg/L	0.12 NTU	116.9 mV	57.72 ft	0.12 PSU	150.00 ml/min
7/27/2023 9:56 AM	08:00	7.38 pH	20.65 °C	242.47 µS/cm	5.65 mg/L	0.23 NTU	117.1 mV	57.72 ft	0.12 PSU	150.00 ml/min
7/27/2023 10:00 AM	12:00	7.41 pH	20.64 °C	242.27 µS/cm	5.75 mg/L	0.28 NTU	118.5 mV	57.72 ft	0.12 PSU	150.00 ml/min
7/27/2023 10:04 AM	16:00	7.43 pH	20.58 °C	240.98 µS/cm	5.81 mg/L	0.18 NTU	119.7 mV	57.72 ft	0.12 PSU	150.00 ml/min
7/27/2023 10:08 AM	20:00	7.44 pH	20.60 °C	240.67 µS/cm	6.40 mg/L	0.16 NTU	119.7 mV	57.72 ft	0.12 PSU	150.00 ml/min
7/27/2023 10:12 AM	24:00	7.45 pH	20.20 °C	240.14 µS/cm	6.73 mg/L	0.23 NTU	120.5 mV	57.72 ft	0.11 PSU	150.00 ml/min
7/27/2023 10:16 AM	28:00	7.45 pH	20.29 °C	238.91 µS/cm	6.99 mg/L	0.14 NTU	121.4 mV	57.72 ft	0.11 PSU	150.00 ml/min
7/27/2023 10:20 AM	32:00	7.45 pH	20.37 °C	237.87 µS/cm	7.18 mg/L	0.22 NTU	122.4 mV	57.72 ft	0.11 PSU	150.00 ml/min
7/27/2023 10:24 AM	36:00	7.45 pH	20.47 °C	237.46 µS/cm	7.23 mg/L	0.21 NTU	122.6 mV	57.72 ft	0.11 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-49R	Metals, Inorganics, Alkalinity, TDS
FD-02	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/27/2023 10:32:16 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Kevin Stephenson

Location Name: GWA-1 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 141.8 ft Total Depth: 151.8 ft Initial Depth to Water: 86.4 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 146.8 ft Estimated Total Volume Pumped: 5280 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 11.18 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 12 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/27/2023 10:32 AM	00:00	6.75 pH	20.42 °C	292.40 µS/cm	1.03 mg/L	3.36 NTU	166.9 mV	96.94 ft	0.14 PSU	120.00 ml/min
7/27/2023 10:36 AM	04:00	6.82 pH	20.27 °C	295.79 µS/cm	0.98 mg/L	3.21 NTU	143.7 mV	97.03 ft	0.14 PSU	120.00 ml/min
7/27/2023 10:40 AM	08:00	6.88 pH	20.23 °C	296.25 µS/cm	0.89 mg/L	2.51 NTU	122.9 mV	97.09 ft	0.14 PSU	120.00 ml/min
7/27/2023 10:44 AM	12:00	6.93 pH	20.15 °C	298.07 µS/cm	0.87 mg/L	2.53 NTU	107.8 mV	97.13 ft	0.14 PSU	120.00 ml/min
7/27/2023 10:48 AM	16:00	6.97 pH	20.70 °C	296.46 µS/cm	0.90 mg/L	2.30 NTU	98.2 mV	97.21 ft	0.14 PSU	120.00 ml/min
7/27/2023 10:52 AM	20:00	7.00 pH	20.61 °C	295.52 µS/cm	1.00 mg/L	2.68 NTU	92.4 mV	97.27 ft	0.14 PSU	120.00 ml/min
7/27/2023 10:56 AM	24:00	7.02 pH	20.51 °C	297.22 µS/cm	1.14 mg/L	2.61 NTU	88.3 mV	97.34 ft	0.14 PSU	120.00 ml/min
7/27/2023 11:00 AM	28:00	7.03 pH	20.58 °C	297.43 µS/cm	1.26 mg/L	2.19 NTU	85.4 mV	97.40 ft	0.14 PSU	120.00 ml/min
7/27/2023 11:04 AM	32:00	7.06 pH	20.59 °C	296.65 µS/cm	1.35 mg/L	2.10 NTU	82.8 mV	97.44 ft	0.14 PSU	120.00 ml/min
7/27/2023 11:08 AM	36:00	7.06 pH	20.82 °C	297.41 µS/cm	1.44 mg/L	2.14 NTU	80.5 mV	97.50 ft	0.14 PSU	120.00 ml/min
7/27/2023 11:12 AM	40:00	7.07 pH	20.97 °C	296.39 µS/cm	1.52 mg/L	2.50 NTU	78.5 mV	97.53 ft	0.14 PSU	120.00 ml/min
7/27/2023 11:16 AM	44:00	7.08 pH	20.92 °C	297.40 µS/cm	1.58 mg/L	2.13 NTU	76.7 mV	97.58 ft	0.14 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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GWA-1	Metals, Inorganics, Alkalinity, TDS
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 7/27/2023 11:09:39 AM
Project: Plant Bowen LF Cells 9&10 July 2023
Operator Name: William Laaker

Location Name: GWC-49Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 85.2 ft Total Depth: 95.2 ft Initial Depth to Water: 57 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 90.2 ft Estimated Total Volume Pumped: 4200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 1.24 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/27/2023 11:09 AM	00:00	4.95 pH	20.82 °C	21.98 µS/cm	7.74 mg/L	0.25 NTU	157.9 mV	57.95 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:13 AM	04:00	4.61 pH	20.65 °C	21.69 µS/cm	7.74 mg/L	0.25 NTU	155.1 mV	58.01 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:17 AM	08:00	4.63 pH	20.74 °C	21.66 µS/cm	7.77 mg/L	0.41 NTU	154.6 mV	58.07 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:21 AM	12:00	4.55 pH	20.60 °C	21.53 µS/cm	7.80 mg/L	0.33 NTU	154.3 mV	58.11 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:25 AM	16:00	4.50 pH	20.69 °C	21.64 µS/cm	7.85 mg/L	0.42 NTU	153.9 mV	58.15 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:29 AM	20:00	4.48 pH	20.69 °C	21.70 µS/cm	7.82 mg/L	0.36 NTU	153.3 mV	58.19 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:33 AM	24:00	4.47 pH	20.51 °C	21.67 µS/cm	7.89 mg/L	0.39 NTU	153.0 mV	58.22 ft	0.01 PSU	150.00 ml/min
7/27/2023 11:37 AM	28:00	4.47 pH	20.38 °C	21.56 µS/cm	7.88 mg/L	0.33 NTU	152.5 mV	58.24 ft	0.01 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-49Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/27/2023 11:28:46 AM

Project: Plant Bowen LF Cells 9&10 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-47 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 57.63 ft Total Depth: 67.63 ft Initial Depth to Water: 41.87 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 62.63 ft Estimated Total Volume Pumped: 2000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/27/2023 11:28 AM	00:00	6.83 pH	23.93 °C	199.23 µS/cm	3.34 mg/L	1.73 NTU	146.3 mV	41.90 ft	0.09 PSU	100.00 ml/min
7/27/2023 11:32 AM	04:00	6.79 pH	23.84 °C	198.65 µS/cm	3.13 mg/L	1.40 NTU	153.9 mV	41.90 ft	0.09 PSU	100.00 ml/min
7/27/2023 11:36 AM	08:00	6.76 pH	23.82 °C	198.18 µS/cm	3.01 mg/L	1.37 NTU	156.7 mV	41.90 ft	0.09 PSU	100.00 ml/min
7/27/2023 11:40 AM	12:00	6.75 pH	23.98 °C	198.22 µS/cm	2.95 mg/L	0.88 NTU	158.3 mV	41.90 ft	0.09 PSU	100.00 ml/min
7/27/2023 11:44 AM	16:00	6.73 pH	24.03 °C	198.36 µS/cm	2.92 mg/L	0.63 NTU	158.6 mV	41.90 ft	0.09 PSU	100.00 ml/min
7/27/2023 11:48 AM	20:00	6.73 pH	24.16 °C	198.33 µS/cm	2.91 mg/L	0.58 NTU	159.3 mV	41.90 ft	0.09 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-47	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/27/2023 12:33:10 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Kevin Stephenson

Location Name: GWA-2R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.4 ft Total Depth: 107.4 ft Initial Depth to Water: 82.05 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.4 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.42 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/27/2023 12:33 PM	00:00	6.60 pH	20.62 °C	287.53 µS/cm	0.59 mg/L	0.69 NTU	38.0 mV	83.26 ft	0.14 PSU	120.00 ml/min
7/27/2023 12:37 PM	04:00	6.60 pH	20.23 °C	282.02 µS/cm	0.44 mg/L	0.57 NTU	23.4 mV	83.36 ft	0.14 PSU	120.00 ml/min
7/27/2023 12:41 PM	08:00	6.58 pH	20.27 °C	274.03 µS/cm	0.37 mg/L	1.02 NTU	27.1 mV	83.41 ft	0.13 PSU	120.00 ml/min
7/27/2023 12:45 PM	12:00	6.54 pH	20.18 °C	265.79 µS/cm	0.31 mg/L	0.64 NTU	32.3 mV	83.43 ft	0.13 PSU	120.00 ml/min
7/27/2023 12:49 PM	16:00	6.52 pH	20.05 °C	261.32 µS/cm	0.29 mg/L	0.60 NTU	36.9 mV	83.43 ft	0.13 PSU	120.00 ml/min
7/27/2023 12:53 PM	20:00	6.50 pH	20.05 °C	257.60 µS/cm	0.28 mg/L	0.53 NTU	40.7 mV	83.44 ft	0.12 PSU	120.00 ml/min
7/27/2023 12:57 PM	24:00	6.49 pH	19.97 °C	252.95 µS/cm	0.31 mg/L	0.50 NTU	44.0 mV	83.47 ft	0.12 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-2R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/27/2023 12:39:45 PM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: William Laaker

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.74 ft Total Depth: 120.74 ft Initial Depth to Water: 87.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.74 ft Estimated Total Volume Pumped: 15360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 23.32 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Historically, drawdown does not stabilize above screen. Drawdown did not stabilize. Water level drew into screen interval.

Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/27/2023 12:39 PM	00:00	6.42 pH	18.15 °C	483.04 µS/cm	0.56 mg/L	0.80 NTU	77.4 mV	91.84 ft	0.23 PSU	300.00 ml/min
7/27/2023 12:43 PM	04:00	6.56 pH	18.06 °C	474.58 µS/cm	0.23 mg/L	0.14 NTU	78.7 mV	93.08 ft	0.23 PSU	300.00 ml/min
7/27/2023 12:47 PM	08:00	6.63 pH	17.88 °C	444.34 µS/cm	0.87 mg/L	0.06 NTU	83.6 mV	94.99 ft	0.22 PSU	300.00 ml/min
7/27/2023 12:51 PM	12:00	6.63 pH	17.97 °C	432.10 µS/cm	1.51 mg/L	0.03 NTU	88.5 mV	96.76 ft	0.21 PSU	300.00 ml/min
7/27/2023 12:55 PM	16:00	6.64 pH	18.06 °C	427.99 µS/cm	2.08 mg/L	0.04 NTU	93.4 mV	98.53 ft	0.21 PSU	300.00 ml/min
7/27/2023 12:59 PM	20:00	6.65 pH	18.11 °C	428.19 µS/cm	2.53 mg/L	0.40 NTU	97.0 mV	100.26 ft	0.21 PSU	300.00 ml/min
7/27/2023 1:03 PM	24:00	6.66 pH	17.97 °C	427.78 µS/cm	2.84 mg/L	0.05 NTU	100.2 mV	101.97 ft	0.21 PSU	300.00 ml/min
7/27/2023 1:07 PM	28:00	6.67 pH	17.88 °C	427.54 µS/cm	3.08 mg/L	0.04 NTU	102.5 mV	103.67 ft	0.21 PSU	300.00 ml/min
7/27/2023 1:11 PM	32:00	6.68 pH	17.64 °C	427.29 µS/cm	3.29 mg/L	0.09 NTU	104.7 mV	105.33 ft	0.21 PSU	300.00 ml/min
7/27/2023 1:15 PM	36:00	6.68 pH	17.76 °C	429.60 µS/cm	3.46 mg/L	0.05 NTU	106.1 mV	106.99 ft	0.21 PSU	300.00 ml/min
7/27/2023 1:19 PM	40:00	6.65 pH	19.24 °C	432.44 µS/cm	3.53 mg/L	0.07 NTU	106.3 mV	108.13 ft	0.21 PSU	140.00 ml/min
7/27/2023 1:23 PM	44:00	6.67 pH	19.18 °C	429.41 µS/cm	3.49 mg/L	0.04 NTU	107.8 mV	108.90 ft	0.21 PSU	140.00 ml/min
7/27/2023 1:27 PM	48:00	6.67 pH	19.09 °C	431.28 µS/cm	3.54 mg/L	0.05 NTU	108.6 mV	109.58 ft	0.21 PSU	140.00 ml/min
7/27/2023 1:31 PM	52:00	6.68 pH	19.22 °C	431.53 µS/cm	3.48 mg/L	0.03 NTU	109.6 mV	110.30 ft	0.21 PSU	140.00 ml/min

7/27/2023 1:35 PM	56:00	6.68 pH	19.30 °C	432.21 µS/cm	3.52 mg/L	0.04 NTU	110.3 mV	110.55 ft	0.21 PSU	140.00 ml/min
7/27/2023 1:39 PM	01:00:00	6.69 pH	19.43 °C	432.92 µS/cm	3.49 mg/L	0.06 NTU	111.2 mV	110.70 ft	0.21 PSU	140.00 ml/min
7/27/2023 1:43 PM	01:04:00	6.70 pH	19.16 °C	430.65 µS/cm	3.52 mg/L	0.05 NTU	112.5 mV	110.83 ft	0.21 PSU	140.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 7/27/2023 2:40:28 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Kevin Stephenson

Location Name: GWA-2 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 144.25 ft Total Depth: 154.25 ft Initial Depth to Water: 82.09 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 149.25 ft Estimated Total Volume Pumped: 16000 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 6 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/27/2023 2:40 PM	00:00	5.12 pH	18.71 °C	28.58 µS/cm	5.68 mg/L	0.81 NTU	119.8 mV	82.19 ft	0.01 PSU	200.00 ml/min
7/27/2023 2:44 PM	04:00	5.06 pH	18.73 °C	33.78 µS/cm	5.69 mg/L	0.84 NTU	120.6 mV	82.19 ft	0.01 PSU	200.00 ml/min
7/27/2023 2:48 PM	08:00	5.10 pH	18.40 °C	44.12 µS/cm	5.75 mg/L	1.16 NTU	120.4 mV	82.19 ft	0.02 PSU	200.00 ml/min
7/27/2023 2:52 PM	12:00	5.18 pH	18.46 °C	55.45 µS/cm	5.78 mg/L	1.48 NTU	119.9 mV	82.19 ft	0.03 PSU	200.00 ml/min
7/27/2023 2:56 PM	16:00	5.26 pH	18.54 °C	66.21 µS/cm	5.78 mg/L	0.87 NTU	119.7 mV	82.20 ft	0.03 PSU	200.00 ml/min
7/27/2023 3:00 PM	20:00	5.34 pH	18.59 °C	76.75 µS/cm	5.78 mg/L	0.84 NTU	119.4 mV	82.20 ft	0.04 PSU	200.00 ml/min
7/27/2023 3:04 PM	24:00	5.42 pH	18.80 °C	90.06 µS/cm	5.79 mg/L	1.09 NTU	119.1 mV	82.20 ft	0.04 PSU	200.00 ml/min
7/27/2023 3:08 PM	28:00	5.50 pH	18.79 °C	102.66 µS/cm	5.74 mg/L	1.17 NTU	119.0 mV	82.20 ft	0.05 PSU	200.00 ml/min
7/27/2023 3:12 PM	32:00	5.58 pH	18.54 °C	117.56 µS/cm	5.77 mg/L	0.86 NTU	118.7 mV	82.20 ft	0.06 PSU	200.00 ml/min
7/27/2023 3:16 PM	36:00	5.64 pH	18.50 °C	133.16 µS/cm	5.80 mg/L	0.95 NTU	118.6 mV	82.20 ft	0.06 PSU	200.00 ml/min
7/27/2023 3:20 PM	40:00	5.71 pH	18.52 °C	143.90 µS/cm	5.81 mg/L	1.03 NTU	118.3 mV	82.20 ft	0.07 PSU	200.00 ml/min
7/27/2023 3:24 PM	44:00	5.76 pH	18.42 °C	155.90 µS/cm	5.85 mg/L	1.05 NTU	118.3 mV	82.20 ft	0.07 PSU	200.00 ml/min
7/27/2023 3:28 PM	48:00	5.81 pH	18.64 °C	166.10 µS/cm	5.89 mg/L	0.80 NTU	118.0 mV	82.20 ft	0.08 PSU	200.00 ml/min
7/27/2023 3:32 PM	52:00	5.85 pH	18.77 °C	175.73 µS/cm	5.96 mg/L	0.84 NTU	117.9 mV	82.20 ft	0.08 PSU	200.00 ml/min
7/27/2023 3:36 PM	56:00	5.90 pH	18.70 °C	184.66 µS/cm	5.98 mg/L	0.90 NTU	118.1 mV	82.20 ft	0.09 PSU	200.00 ml/min

7/27/2023 3:40 PM	01:00:00	5.93 pH	18.72 °C	190.05 µS/cm	6.01 mg/L	0.92 NTU	118.0 mV	82.20 ft	0.09 PSU	200.00 ml/min
7/27/2023 3:44 PM	01:04:00	5.96 pH	18.56 °C	197.04 µS/cm	6.06 mg/L	0.91 NTU	118.1 mV	82.20 ft	0.09 PSU	200.00 ml/min
7/27/2023 3:48 PM	01:08:00	5.98 pH	18.82 °C	204.72 µS/cm	6.12 mg/L	1.03 NTU	118.1 mV	82.20 ft	0.10 PSU	200.00 ml/min
7/27/2023 3:52 PM	01:12:00	6.01 pH	18.85 °C	209.62 µS/cm	6.14 mg/L	0.88 NTU	118.0 mV	82.20 ft	0.10 PSU	200.00 ml/min
7/27/2023 3:56 PM	01:16:00	6.03 pH	18.85 °C	214.72 µS/cm	6.16 mg/L	0.82 NTU	118.4 mV	82.20 ft	0.10 PSU	200.00 ml/min
7/27/2023 4:00 PM	01:20:00	6.06 pH	18.57 °C	219.34 µS/cm	6.18 mg/L	0.85 NTU	118.4 mV	82.20 ft	0.10 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWA-2	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/28/2023 9:10:43 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWA-4RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 110.74 ft Total Depth: 120.74 ft Initial Depth to Water: 105.37 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 115.74 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.63 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepured 0.25 L

Complete evac performed on 7/27/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/28/2023 9:10 AM	00:00	6.93 pH	20.33 °C	434.88 µS/cm	4.94 mg/L	0.23 NTU	152.1 mV	106.00 ft	0.21 PSU	110.00 ml/min
7/28/2023 9:11 AM	00:20	6.94 pH	20.15 °C	423.53 µS/cm	4.93 mg/L		148.9 mV	106.00 ft	0.21 PSU	110.00 ml/min
7/28/2023 9:11 AM	00:40	6.93 pH	20.02 °C	422.69 µS/cm	4.91 mg/L		147.9 mV	106.00 ft	0.20 PSU	110.00 ml/min
7/28/2023 9:11 AM	01:00	6.93 pH	19.87 °C	423.48 µS/cm	4.88 mg/L		146.5 mV	106.00 ft	0.21 PSU	110.00 ml/min
7/28/2023 9:12 AM	01:20	6.93 pH	19.78 °C	423.37 µS/cm	4.84 mg/L	0.05 NTU	145.8 mV	106.00 ft	0.21 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-4RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/28/2023 9:42:00 AM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-5 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 103.75 ft Total Depth: 113.75 ft Initial Depth to Water: 80.45 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 108.75 ft Estimated Total Volume Pumped: 6760 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 5.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 5.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/28/2023 9:42 AM	00:00	5.58 pH	18.37 °C	38.54 µS/cm	7.78 mg/L	2.87 NTU	184.9 mV	84.00 ft	0.02 PSU	130.00 ml/min
7/28/2023 9:46 AM	04:00	5.55 pH	18.57 °C	38.04 µS/cm	7.75 mg/L	2.18 NTU	184.5 mV	84.12 ft	0.02 PSU	130.00 ml/min
7/28/2023 9:50 AM	08:00	5.50 pH	18.54 °C	36.20 µS/cm	7.78 mg/L	1.98 NTU	184.9 mV	84.30 ft	0.02 PSU	130.00 ml/min
7/28/2023 9:54 AM	12:00	5.44 pH	18.66 °C	35.08 µS/cm	7.86 mg/L	2.18 NTU	185.0 mV	84.45 ft	0.02 PSU	130.00 ml/min
7/28/2023 9:58 AM	16:00	5.40 pH	18.71 °C	34.07 µS/cm	8.09 mg/L	1.99 NTU	185.1 mV	84.60 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:02 AM	20:00	5.34 pH	18.71 °C	32.90 µS/cm	8.21 mg/L	1.51 NTU	186.0 mV	84.72 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:06 AM	24:00	5.29 pH	18.75 °C	31.98 µS/cm	8.27 mg/L	1.45 NTU	186.7 mV	84.82 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:10 AM	28:00	5.25 pH	18.81 °C	30.94 µS/cm	8.35 mg/L	1.27 NTU	187.2 mV	84.97 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:14 AM	32:00	5.22 pH	18.84 °C	30.23 µS/cm	8.43 mg/L	1.38 NTU	187.5 mV	85.06 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:18 AM	36:00	5.17 pH	19.01 °C	29.46 µS/cm	8.47 mg/L	1.21 NTU	188.8 mV	85.17 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:22 AM	40:00	5.14 pH	19.28 °C	28.78 µS/cm	8.55 mg/L	1.46 NTU	189.6 mV	85.25 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:26 AM	44:00	5.11 pH	19.60 °C	28.35 µS/cm	8.44 mg/L	1.28 NTU	190.6 mV	85.35 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:30 AM	48:00	5.09 pH	19.60 °C	28.02 µS/cm	8.58 mg/L	1.41 NTU	191.9 mV	85.43 ft	0.01 PSU	130.00 ml/min
7/28/2023 10:34 AM	52:00	5.06 pH	19.75 °C	27.45 µS/cm	8.55 mg/L	0.94 NTU	193.0 mV	85.51 ft	0.01 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-5	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/28/2023 9:58:14 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWA-50 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 86.73 ft Total Depth: 96.73 ft Initial Depth to Water: 61.49 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 91.73 ft Estimated Total Volume Pumped: 9800 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 12.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Lowered pump rate to 110 mL/min at 32:00 to stabilize drawdown.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/28/2023 9:58 AM	00:00	5.62 pH	17.62 °C	16.75 µS/cm	8.11 mg/L	0.01 NTU	169.8 mV	66.42 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:02 AM	04:00	5.26 pH	17.64 °C	16.64 µS/cm	8.16 mg/L	0.20 NTU	167.1 mV	67.07 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:06 AM	08:00	5.00 pH	17.71 °C	16.60 µS/cm	8.16 mg/L	0.16 NTU	165.8 mV	68.04 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:10 AM	12:00	4.81 pH	17.70 °C	16.66 µS/cm	8.11 mg/L	0.29 NTU	165.3 mV	68.96 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:14 AM	16:00	4.72 pH	17.74 °C	16.84 µS/cm	8.04 mg/L	0.18 NTU	164.4 mV	69.83 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:18 AM	20:00	4.67 pH	17.66 °C	17.03 µS/cm	8.04 mg/L	0.12 NTU	163.6 mV	70.66 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:22 AM	24:00	4.64 pH	17.79 °C	17.20 µS/cm	7.99 mg/L	0.01 NTU	162.9 mV	71.47 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:26 AM	28:00	4.64 pH	17.75 °C	17.36 µS/cm	7.92 mg/L	0.03 NTU	162.0 mV	72.22 ft	0.01 PSU	210.00 ml/min
7/28/2023 10:30 AM	32:00	4.63 pH	18.59 °C	17.57 µS/cm	7.87 mg/L	0.07 NTU	161.5 mV	72.56 ft	0.01 PSU	110.00 ml/min
7/28/2023 10:34 AM	36:00	4.62 pH	18.77 °C	17.60 µS/cm	7.81 mg/L	0.15 NTU	160.9 mV	72.77 ft	0.01 PSU	110.00 ml/min
7/28/2023 10:38 AM	40:00	4.62 pH	18.83 °C	17.80 µS/cm	7.77 mg/L	0.19 NTU	160.5 mV	72.92 ft	0.01 PSU	110.00 ml/min
7/28/2023 10:42 AM	44:00	4.64 pH	18.95 °C	18.25 µS/cm	7.68 mg/L	0.14 NTU	159.8 mV	73.16 ft	0.01 PSU	110.00 ml/min
7/28/2023 10:46 AM	48:00	4.65 pH	19.17 °C	18.73 µS/cm	7.55 mg/L	0.01 NTU	159.6 mV	73.28 ft	0.01 PSU	110.00 ml/min
7/28/2023 10:50 AM	52:00	4.66 pH	19.27 °C	19.06 µS/cm	7.48 mg/L	0.06 NTU	159.5 mV	73.35 ft	0.01 PSU	110.00 ml/min
7/28/2023 10:54 AM	56:00	4.66 pH	19.30 °C	19.19 µS/cm	7.41 mg/L	0.13 NTU	159.7 mV	73.43 ft	0.01 PSU	110.00 ml/min

7/28/2023 10:58 AM	01:00:00	4.66 pH	19.34 °C	19.37 µS/cm	7.37 mg/L	0.10 NTU	159.3 mV	73.50 ft	0.01 PSU	110.00 ml/min
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Samples

Sample ID:	Description:
GWA-50	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/28/2023 11:35:53 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-6RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.8 ft Total Depth: 112.8 ft Initial Depth to Water: 78.71 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 107.8 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/28/2023 11:35 AM	00:00	5.70 pH	22.85 °C	93.51 µS/cm	7.79 mg/L	3.14 NTU	169.7 mV	78.72 ft	0.04 PSU	100.00 ml/min
7/28/2023 11:39 AM	04:00	5.81 pH	21.65 °C	97.17 µS/cm	6.91 mg/L	2.09 NTU	170.5 mV	78.73 ft	0.05 PSU	100.00 ml/min
7/28/2023 11:43 AM	08:00	5.92 pH	21.42 °C	95.53 µS/cm	6.58 mg/L	2.64 NTU	171.3 mV	78.73 ft	0.04 PSU	100.00 ml/min
7/28/2023 11:47 AM	12:00	6.00 pH	21.47 °C	93.53 µS/cm	6.75 mg/L	0.94 NTU	171.9 mV	78.73 ft	0.04 PSU	100.00 ml/min
7/28/2023 11:51 AM	16:00	6.07 pH	21.11 °C	92.42 µS/cm	6.85 mg/L	1.43 NTU	172.4 mV	78.73 ft	0.04 PSU	100.00 ml/min
7/28/2023 11:55 AM	20:00	6.12 pH	21.07 °C	92.18 µS/cm	7.05 mg/L	0.77 NTU	172.9 mV	78.73 ft	0.04 PSU	100.00 ml/min
7/28/2023 11:59 AM	24:00	6.17 pH	21.30 °C	91.90 µS/cm	7.14 mg/L	1.26 NTU	173.3 mV	78.73 ft	0.04 PSU	100.00 ml/min
7/28/2023 12:03 PM	28:00	6.20 pH	21.29 °C	91.77 µS/cm	7.23 mg/L	0.95 NTU	173.7 mV	78.73 ft	0.04 PSU	100.00 ml/min
7/28/2023 12:07 PM	32:00	6.22 pH	21.38 °C	91.65 µS/cm	7.27 mg/L	0.66 NTU	174.2 mV	78.73 ft	0.04 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-6RZ	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/28/2023 11:39:14 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWA-50R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 135.53 ft Total Depth: 145.53 ft Initial Depth to Water: 77.33 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 140.53 ft Estimated Total Volume Pumped: 1920 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/28/2023 11:39 AM	00:00	4.33 pH	19.26 °C	14.62 µS/cm	10.69 mg/L	0.25 NTU	165.1 mV	77.38 ft	0.01 PSU	120.00 ml/min
7/28/2023 11:43 AM	04:00	4.29 pH	19.05 °C	14.56 µS/cm	10.84 mg/L	0.26 NTU	164.2 mV	77.38 ft	0.01 PSU	120.00 ml/min
7/28/2023 11:47 AM	08:00	4.28 pH	19.08 °C	14.52 µS/cm	10.72 mg/L	0.14 NTU	164.1 mV	77.38 ft	0.01 PSU	120.00 ml/min
7/28/2023 11:51 AM	12:00	4.25 pH	19.06 °C	14.55 µS/cm	10.77 mg/L	0.25 NTU	165.2 mV	77.38 ft	0.01 PSU	120.00 ml/min
7/28/2023 11:55 AM	16:00	4.24 pH	19.35 °C	14.55 µS/cm	10.79 mg/L	0.23 NTU	166.0 mV	77.38 ft	0.01 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-50R	Metals, Inorganics, Alkalinity, TDS
FD-03	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 9:48:18 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-6 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.37 ft Total Depth: 111.37 ft Initial Depth to Water: 75.16 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.37 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/31/2023 9:48 AM	00:00	6.76 pH	19.19 °C	134.35 µS/cm	6.35 mg/L	0.78 NTU	181.8 mV	75.33 ft	0.06 PSU	120.00 ml/min
7/31/2023 9:52 AM	04:00	6.75 pH	18.79 °C	134.24 µS/cm	6.60 mg/L	0.89 NTU	177.1 mV	75.34 ft	0.06 PSU	120.00 ml/min
7/31/2023 9:56 AM	08:00	6.77 pH	18.75 °C	135.58 µS/cm	6.83 mg/L	0.95 NTU	176.1 mV	75.35 ft	0.06 PSU	120.00 ml/min
7/31/2023 10:00 AM	12:00	6.80 pH	18.80 °C	135.54 µS/cm	6.87 mg/L	1.07 NTU	175.6 mV	75.35 ft	0.06 PSU	120.00 ml/min
7/31/2023 10:04 AM	16:00	6.83 pH	18.86 °C	137.13 µS/cm	6.91 mg/L	1.00 NTU	175.3 mV	75.35 ft	0.06 PSU	120.00 ml/min
7/31/2023 10:08 AM	20:00	6.86 pH	18.89 °C	138.42 µS/cm	6.97 mg/L	1.00 NTU	175.0 mV	75.35 ft	0.07 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-6	Metals, inorganics, Alkalinity, TDS
FD-04	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 10:00:01 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWC-9 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 67.16 ft Total Depth: 77.16 ft Initial Depth to Water: 43.12 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 72.16 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/31/2023 10:00 AM	00:00	4.79 pH	18.72 °C	59.76 µS/cm	6.20 mg/L	1.35 NTU	148.4 mV	43.13 ft	0.03 PSU	150.00 ml/min
7/31/2023 10:04 AM	04:00	5.20 pH	18.61 °C	90.06 µS/cm	6.35 mg/L	1.32 NTU	141.3 mV	43.13 ft	0.04 PSU	150.00 ml/min
7/31/2023 10:08 AM	08:00	5.32 pH	18.60 °C	97.05 µS/cm	6.40 mg/L	0.78 NTU	139.1 mV	43.13 ft	0.05 PSU	150.00 ml/min
7/31/2023 10:12 AM	12:00	5.34 pH	18.69 °C	99.26 µS/cm	6.40 mg/L	0.58 NTU	138.7 mV	43.13 ft	0.05 PSU	150.00 ml/min
7/31/2023 10:16 AM	16:00	5.36 pH	18.55 °C	101.28 µS/cm	6.42 mg/L	0.64 NTU	138.2 mV	43.13 ft	0.05 PSU	150.00 ml/min
7/31/2023 10:20 AM	20:00	5.37 pH	18.59 °C	104.00 µS/cm	6.43 mg/L	0.57 NTU	138.0 mV	43.13 ft	0.05 PSU	150.00 ml/min
7/31/2023 10:24 AM	24:00	5.38 pH	18.60 °C	106.05 µS/cm	6.42 mg/L	0.51 NTU	137.9 mV	43.13 ft	0.05 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-9	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 12:47:50 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-8RR Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 101.83 ft Total Depth: 111.83 ft Initial Depth to Water: 49.31 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 106.83 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.07 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/31/2023 12:47 PM	00:00	6.84 pH	20.26 °C	171.47 µS/cm	3.30 mg/L	1.63 NTU	135.1 mV	49.35 ft	0.08 PSU	100.00 ml/min
7/31/2023 12:51 PM	04:00	6.99 pH	19.72 °C	187.45 µS/cm	6.77 mg/L	1.24 NTU	144.4 mV	49.36 ft	0.09 PSU	100.00 ml/min
7/31/2023 12:55 PM	08:00	7.17 pH	19.33 °C	189.56 µS/cm	7.42 mg/L	1.09 NTU	150.6 mV	49.36 ft	0.09 PSU	100.00 ml/min
7/31/2023 12:59 PM	12:00	7.27 pH	19.16 °C	192.08 µS/cm	7.72 mg/L	1.69 NTU	153.6 mV	49.37 ft	0.09 PSU	100.00 ml/min
7/31/2023 1:03 PM	16:00	7.35 pH	19.01 °C	192.37 µS/cm	7.93 mg/L	1.07 NTU	156.5 mV	49.37 ft	0.09 PSU	100.00 ml/min
7/31/2023 1:07 PM	20:00	7.39 pH	19.42 °C	194.89 µS/cm	8.16 mg/L	1.56 NTU	157.7 mV	49.37 ft	0.09 PSU	100.00 ml/min
7/31/2023 1:11 PM	24:00	7.42 pH	19.50 °C	195.14 µS/cm	8.26 mg/L	1.24 NTU	158.5 mV	49.38 ft	0.09 PSU	100.00 ml/min
7/31/2023 1:15 PM	28:00	7.45 pH	19.11 °C	194.67 µS/cm	8.37 mg/L	1.76 NTU	159.8 mV	49.38 ft	0.09 PSU	100.00 ml/min
7/31/2023 1:19 PM	32:00	7.47 pH	19.02 °C	195.23 µS/cm	8.42 mg/L	1.50 NTU	160.4 mV	49.38 ft	0.09 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-8RR	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 11:21:34 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-7Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 107 ft Total Depth: 117 ft Initial Depth to Water: 60.6 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 112 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/31/2023 11:21 AM	00:00	6.77 pH	20.67 °C	224.15 µS/cm	4.22 mg/L	1.76 NTU	88.7 mV	60.05 ft	0.11 PSU	120.00 ml/min
7/31/2023 11:25 AM	04:00	6.61 pH	19.96 °C	228.67 µS/cm	1.56 mg/L	1.44 NTU	79.2 mV	60.05 ft	0.11 PSU	120.00 ml/min
7/31/2023 11:29 AM	08:00	6.53 pH	19.98 °C	228.16 µS/cm	0.70 mg/L	1.33 NTU	69.5 mV	60.10 ft	0.11 PSU	120.00 ml/min
7/31/2023 11:33 AM	12:00	6.50 pH	20.02 °C	228.38 µS/cm	0.38 mg/L	0.66 NTU	63.1 mV	60.13 ft	0.11 PSU	120.00 ml/min
7/31/2023 11:37 AM	16:00	6.49 pH	20.45 °C	228.37 µS/cm	0.28 mg/L	0.98 NTU	56.5 mV	60.15 ft	0.11 PSU	120.00 ml/min
7/31/2023 11:41 AM	20:00	6.52 pH	18.98 °C	224.69 µS/cm	0.22 mg/L	1.07 NTU	57.3 mV	60.16 ft	0.11 PSU	120.00 ml/min
7/31/2023 11:45 AM	24:00	6.52 pH	18.49 °C	226.43 µS/cm	0.25 mg/L	0.99 NTU	51.9 mV	60.16 ft	0.11 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-7Z	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 1:54:26 PM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: William Laaker

Location Name: GWC-10 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 61.81 ft Total Depth: 71.81 ft Initial Depth to Water: 36.36 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 66.81 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/31/2023 1:54 PM	00:00	6.42 pH	18.97 °C	271.33 µS/cm	7.76 mg/L	1.05 NTU	113.6 mV	36.38 ft	0.13 PSU	160.00 ml/min
7/31/2023 1:58 PM	04:00	6.45 pH	18.63 °C	282.25 µS/cm	7.71 mg/L	1.66 NTU	120.1 mV	36.38 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:02 PM	08:00	6.48 pH	18.63 °C	289.83 µS/cm	7.65 mg/L	2.25 NTU	122.3 mV	36.38 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:06 PM	12:00	6.52 pH	18.44 °C	293.59 µS/cm	7.61 mg/L	2.62 NTU	123.6 mV	36.38 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:10 PM	16:00	6.55 pH	18.47 °C	292.85 µS/cm	7.57 mg/L	2.46 NTU	124.7 mV	36.38 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:14 PM	20:00	6.58 pH	18.31 °C	291.67 µS/cm	7.57 mg/L	2.10 NTU	125.8 mV	36.38 ft	0.14 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-10	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 2:08:19 PM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-8Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.4 ft Total Depth: 76.4 ft Initial Depth to Water: 49.51 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.4 ft Estimated Total Volume Pumped: 11440 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
7/31/2023 2:08 PM	00:00	6.84 pH	20.99 °C	87.07 µS/cm	7.43 mg/L	0.90 NTU	149.3 mV	49.88 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:12 PM	04:00	6.50 pH	20.63 °C	88.48 µS/cm	7.37 mg/L	1.38 NTU	155.6 mV	49.91 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:16 PM	08:00	6.29 pH	20.13 °C	82.94 µS/cm	7.19 mg/L	1.25 NTU	159.5 mV	49.92 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:20 PM	12:00	6.13 pH	20.27 °C	82.65 µS/cm	7.26 mg/L	1.17 NTU	162.4 mV	49.92 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:24 PM	16:00	6.03 pH	20.27 °C	83.22 µS/cm	7.41 mg/L	0.72 NTU	163.7 mV	49.93 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:28 PM	20:00	5.97 pH	19.87 °C	82.92 µS/cm	7.39 mg/L	0.84 NTU	165.4 mV	49.94 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:32 PM	24:00	5.93 pH	19.30 °C	83.34 µS/cm	7.42 mg/L	0.68 NTU	166.6 mV	49.95 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:36 PM	28:00	5.90 pH	19.12 °C	85.04 µS/cm	7.44 mg/L	0.89 NTU	167.0 mV	49.96 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:40 PM	32:00	5.89 pH	19.64 °C	88.59 µS/cm	7.51 mg/L	0.76 NTU	167.3 mV	49.98 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:44 PM	36:00	5.89 pH	19.69 °C	93.99 µS/cm	7.46 mg/L	0.90 NTU	167.7 mV	50.00 ft	0.04 PSU	130.00 ml/min
7/31/2023 2:48 PM	40:00	5.91 pH	19.34 °C	102.05 µS/cm	7.49 mg/L	0.62 NTU	167.6 mV	50.00 ft	0.05 PSU	130.00 ml/min
7/31/2023 2:52 PM	44:00	5.96 pH	19.24 °C	110.53 µS/cm	7.47 mg/L	0.52 NTU	167.7 mV	50.00 ft	0.05 PSU	130.00 ml/min
7/31/2023 2:56 PM	48:00	6.00 pH	19.29 °C	120.38 µS/cm	7.92 mg/L	0.55 NTU	167.6 mV	50.00 ft	0.06 PSU	130.00 ml/min
7/31/2023 3:00 PM	52:00	6.07 pH	19.37 °C	127.92 µS/cm	7.70 mg/L	0.47 NTU	167.3 mV	50.00 ft	0.06 PSU	130.00 ml/min
7/31/2023 3:04 PM	56:00	6.12 pH	19.69 °C	135.35 µS/cm	7.59 mg/L	0.85 NTU	167.1 mV	50.00 ft	0.06 PSU	130.00 ml/min

7/31/2023 3:08 PM	01:00:00	6.18 pH	19.69 °C	141.05 µS/cm	7.79 mg/L	0.55 NTU	167.2 mV	50.00 ft	0.07 PSU	130.00 ml/min
7/31/2023 3:12 PM	01:04:00	6.23 pH	19.88 °C	146.55 µS/cm	7.85 mg/L	0.74 NTU	166.9 mV	50.01 ft	0.07 PSU	130.00 ml/min
7/31/2023 3:16 PM	01:08:00	6.29 pH	19.84 °C	150.36 µS/cm	7.52 mg/L	0.71 NTU	166.9 mV	50.01 ft	0.07 PSU	130.00 ml/min
7/31/2023 3:20 PM	01:12:00	6.35 pH	19.45 °C	153.78 µS/cm	7.69 mg/L	0.66 NTU	167.1 mV	50.01 ft	0.07 PSU	130.00 ml/min
7/31/2023 3:24 PM	01:16:00	6.40 pH	19.55 °C	156.60 µS/cm	7.57 mg/L	0.61 NTU	167.1 mV	50.01 ft	0.07 PSU	130.00 ml/min
7/31/2023 3:28 PM	01:20:00	6.45 pH	19.42 °C	159.86 µS/cm	7.83 mg/L	0.80 NTU	166.9 mV	50.01 ft	0.08 PSU	130.00 ml/min
7/31/2023 3:32 PM	01:24:00	6.48 pH	19.64 °C	162.95 µS/cm	7.72 mg/L	0.95 NTU	167.0 mV	50.01 ft	0.08 PSU	130.00 ml/min
7/31/2023 3:36 PM	01:28:00	6.52 pH	19.65 °C	164.61 µS/cm	7.80 mg/L	0.72 NTU	166.9 mV	50.01 ft	0.08 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-8Z	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 7/31/2023 2:43:56 PM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: William Laaker

Location Name: GWC-10R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 90.2 ft Total Depth: 100.2 ft Initial Depth to Water: 36.41 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 95.2 ft Estimated Total Volume Pumped: 6400 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
7/31/2023 2:43 PM	00:00	6.85 pH	18.01 °C	298.87 µS/cm	2.99 mg/L	9.57 NTU	90.6 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:47 PM	04:00	6.92 pH	17.97 °C	292.33 µS/cm	3.69 mg/L	6.39 NTU	99.3 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:51 PM	08:00	6.98 pH	17.70 °C	291.67 µS/cm	4.28 mg/L	5.02 NTU	103.5 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:55 PM	12:00	7.01 pH	17.78 °C	291.65 µS/cm	4.78 mg/L	4.35 NTU	105.1 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 2:59 PM	16:00	7.04 pH	18.01 °C	291.12 µS/cm	5.19 mg/L	3.20 NTU	107.4 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 3:03 PM	20:00	7.07 pH	18.06 °C	289.77 µS/cm	5.59 mg/L	2.36 NTU	109.1 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 3:07 PM	24:00	7.10 pH	18.06 °C	288.26 µS/cm	5.93 mg/L	1.70 NTU	110.1 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 3:11 PM	28:00	7.11 pH	18.21 °C	287.48 µS/cm	6.23 mg/L	1.56 NTU	111.7 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 3:15 PM	32:00	7.14 pH	18.11 °C	284.99 µS/cm	6.40 mg/L	1.47 NTU	113.4 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 3:19 PM	36:00	7.16 pH	17.97 °C	284.83 µS/cm	6.69 mg/L	1.21 NTU	114.0 mV	36.43 ft	0.14 PSU	160.00 ml/min
7/31/2023 3:23 PM	40:00	7.16 pH	18.23 °C	285.64 µS/cm	6.81 mg/L	1.09 NTU	114.7 mV	36.43 ft	0.14 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-10R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/1/2023 10:06:35 AM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-11R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 73.2 ft Total Depth: 83.2 ft Initial Depth to Water: 26.15 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 78.2 ft Estimated Total Volume Pumped: 4480 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/1/2023 10:06 AM	00:00	6.84 pH	19.70 °C	274.84 µS/cm	3.36 mg/L	0.54 NTU	152.7 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:10 AM	04:00	6.97 pH	19.54 °C	269.56 µS/cm	4.97 mg/L	0.55 NTU	160.6 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:14 AM	08:00	7.06 pH	19.99 °C	267.88 µS/cm	5.23 mg/L	0.92 NTU	163.9 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:18 AM	12:00	7.14 pH	20.12 °C	268.66 µS/cm	5.42 mg/L	0.60 NTU	165.6 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:22 AM	16:00	7.20 pH	20.37 °C	270.13 µS/cm	5.50 mg/L	0.78 NTU	167.0 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:26 AM	20:00	7.24 pH	20.27 °C	271.73 µS/cm	5.54 mg/L	0.59 NTU	168.3 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:30 AM	24:00	7.27 pH	20.47 °C	271.80 µS/cm	5.58 mg/L	0.87 NTU	168.7 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:34 AM	28:00	7.28 pH	21.07 °C	269.56 µS/cm	5.51 mg/L	1.03 NTU	168.9 mV	26.18 ft	0.13 PSU	140.00 ml/min
8/1/2023 10:38 AM	32:00	7.30 pH	21.36 °C	270.03 µS/cm	5.56 mg/L	0.74 NTU	169.3 mV	26.18 ft	0.13 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-11R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/1/2023 10:41:28 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 68.29 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 14400 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 26.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 5 L

Well historically does not stabilize drawdown. DTW fell into screen interval. Full evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/1/2023 10:41 AM	00:00	7.25 pH	18.33 °C	421.28 µS/cm	1.64 mg/L	0.36 NTU	96.6 mV	76.02 ft	0.20 PSU	200.00 ml/min
8/1/2023 10:45 AM	04:00	7.25 pH	18.35 °C	425.00 µS/cm	1.77 mg/L	0.44 NTU	107.5 mV	76.78 ft	0.21 PSU	200.00 ml/min
8/1/2023 10:49 AM	08:00	7.25 pH	18.42 °C	425.07 µS/cm	1.92 mg/L	0.55 NTU	110.2 mV	77.88 ft	0.21 PSU	200.00 ml/min
8/1/2023 10:53 AM	12:00	7.23 pH	18.35 °C	426.00 µS/cm	2.11 mg/L	0.33 NTU	111.4 mV	78.99 ft	0.21 PSU	200.00 ml/min
8/1/2023 10:57 AM	16:00	7.22 pH	18.37 °C	425.62 µS/cm	2.37 mg/L	0.61 NTU	111.5 mV	80.08 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:01 AM	20:00	7.19 pH	18.28 °C	425.31 µS/cm	2.70 mg/L	0.75 NTU	112.3 mV	81.22 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:05 AM	24:00	7.16 pH	18.44 °C	425.96 µS/cm	3.05 mg/L	0.69 NTU	112.6 mV	82.38 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:09 AM	28:00	7.13 pH	18.60 °C	426.39 µS/cm	3.35 mg/L	0.58 NTU	113.0 mV	83.37 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:13 AM	32:00	7.11 pH	18.64 °C	426.05 µS/cm	3.57 mg/L	0.73 NTU	112.6 mV	84.48 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:17 AM	36:00	7.09 pH	18.63 °C	425.82 µS/cm	3.71 mg/L	0.81 NTU	112.2 mV	85.51 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:21 AM	40:00	7.07 pH	18.77 °C	427.18 µS/cm	3.89 mg/L	0.48 NTU	111.9 mV	86.52 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:25 AM	44:00	7.07 pH	18.72 °C	427.07 µS/cm	3.98 mg/L	0.72 NTU	112.7 mV	87.51 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:29 AM	48:00	7.06 pH	18.70 °C	428.12 µS/cm	4.09 mg/L	0.27 NTU	112.9 mV	88.50 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:33 AM	52:00	7.04 pH	19.00 °C	429.87 µS/cm	4.18 mg/L	0.29 NTU	113.0 mV	89.46 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:37 AM	56:00	7.04 pH	19.09 °C	428.77 µS/cm	4.22 mg/L	0.58 NTU	112.8 mV	90.53 ft	0.21 PSU	200.00 ml/min

8/1/2023 11:41 AM	01:00:00	7.03 pH	19.26 °C	428.50 µS/cm	4.27 mg/L	0.32 NTU	113.0 mV	91.42 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:45 AM	01:04:00	7.03 pH	19.22 °C	430.10 µS/cm	4.33 mg/L	0.31 NTU	113.3 mV	92.35 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:49 AM	01:08:00	7.03 pH	19.19 °C	430.40 µS/cm	4.39 mg/L	0.33 NTU	113.8 mV	93.34 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:53 AM	01:12:00	7.02 pH	19.27 °C	431.12 µS/cm	4.44 mg/L	0.43 NTU	113.9 mV	94.31 ft	0.21 PSU	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/1/2023 10:41:28 AM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 68.29 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 14400 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 26.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 5 L

Well historically does not stabilize drawdown. DTW fell into screen interval. Full evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/1/2023 10:41 AM	00:00	7.25 pH	18.33 °C	421.28 µS/cm	1.64 mg/L	0.36 NTU	96.6 mV	76.02 ft	0.20 PSU	200.00 ml/min
8/1/2023 10:45 AM	04:00	7.25 pH	18.35 °C	425.00 µS/cm	1.77 mg/L	0.44 NTU	107.5 mV	76.78 ft	0.21 PSU	200.00 ml/min
8/1/2023 10:49 AM	08:00	7.25 pH	18.42 °C	425.07 µS/cm	1.92 mg/L	0.55 NTU	110.2 mV	77.88 ft	0.21 PSU	200.00 ml/min
8/1/2023 10:53 AM	12:00	7.23 pH	18.35 °C	426.00 µS/cm	2.11 mg/L	0.33 NTU	111.4 mV	78.99 ft	0.21 PSU	200.00 ml/min
8/1/2023 10:57 AM	16:00	7.22 pH	18.37 °C	425.62 µS/cm	2.37 mg/L	0.61 NTU	111.5 mV	80.08 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:01 AM	20:00	7.19 pH	18.28 °C	425.31 µS/cm	2.70 mg/L	0.75 NTU	112.3 mV	81.22 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:05 AM	24:00	7.16 pH	18.44 °C	425.96 µS/cm	3.05 mg/L	0.69 NTU	112.6 mV	82.38 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:09 AM	28:00	7.13 pH	18.60 °C	426.39 µS/cm	3.35 mg/L	0.58 NTU	113.0 mV	83.37 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:13 AM	32:00	7.11 pH	18.64 °C	426.05 µS/cm	3.57 mg/L	0.73 NTU	112.6 mV	84.48 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:17 AM	36:00	7.09 pH	18.63 °C	425.82 µS/cm	3.71 mg/L	0.81 NTU	112.2 mV	85.51 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:21 AM	40:00	7.07 pH	18.77 °C	427.18 µS/cm	3.89 mg/L	0.48 NTU	111.9 mV	86.52 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:25 AM	44:00	7.07 pH	18.72 °C	427.07 µS/cm	3.98 mg/L	0.72 NTU	112.7 mV	87.51 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:29 AM	48:00	7.06 pH	18.70 °C	428.12 µS/cm	4.09 mg/L	0.27 NTU	112.9 mV	88.50 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:33 AM	52:00	7.04 pH	19.00 °C	429.87 µS/cm	4.18 mg/L	0.29 NTU	113.0 mV	89.46 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:37 AM	56:00	7.04 pH	19.09 °C	428.77 µS/cm	4.22 mg/L	0.58 NTU	112.8 mV	90.53 ft	0.21 PSU	200.00 ml/min

8/1/2023 11:41 AM	01:00:00	7.03 pH	19.26 °C	428.50 µS/cm	4.27 mg/L	0.32 NTU	113.0 mV	91.42 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:45 AM	01:04:00	7.03 pH	19.22 °C	430.10 µS/cm	4.33 mg/L	0.31 NTU	113.3 mV	92.35 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:49 AM	01:08:00	7.03 pH	19.19 °C	430.40 µS/cm	4.39 mg/L	0.33 NTU	113.8 mV	93.34 ft	0.21 PSU	200.00 ml/min
8/1/2023 11:53 AM	01:12:00	7.02 pH	19.27 °C	431.12 µS/cm	4.44 mg/L	0.43 NTU	113.9 mV	94.31 ft	0.21 PSU	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/1/2023 11:18:24 AM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: Kevin Stephenson

Location Name: GWA-3A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.27 ft Total Depth: 140.27 ft Initial Depth to Water: 79.79 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.27 ft Estimated Total Volume Pumped: 17600 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 8 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/1/2023 11:18 AM	00:00	7.37 pH	18.92 °C	217.50 µS/cm	8.64 mg/L	20.60 NTU	174.9 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:22 AM	04:00	7.46 pH	18.62 °C	219.19 µS/cm	9.48 mg/L	18.30 NTU	168.0 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:26 AM	08:00	7.52 pH	18.74 °C	218.84 µS/cm	9.74 mg/L	17.50 NTU	161.9 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:30 AM	12:00	7.57 pH	18.74 °C	218.43 µS/cm	9.54 mg/L	14.10 NTU	157.0 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:34 AM	16:00	7.60 pH	18.63 °C	218.47 µS/cm	9.69 mg/L	13.40 NTU	153.0 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:38 AM	20:00	7.61 pH	18.72 °C	218.65 µS/cm	9.47 mg/L	12.00 NTU	149.4 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:42 AM	24:00	7.63 pH	18.78 °C	218.58 µS/cm	9.60 mg/L	11.50 NTU	145.8 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:46 AM	28:00	7.64 pH	18.75 °C	217.35 µS/cm	9.54 mg/L	10.37 NTU	143.2 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:50 AM	32:00	7.65 pH	18.69 °C	218.41 µS/cm	9.57 mg/L	10.31 NTU	140.2 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:54 AM	36:00	7.65 pH	18.84 °C	217.68 µS/cm	9.50 mg/L	9.16 NTU	138.0 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 11:58 AM	40:00	7.66 pH	18.88 °C	217.37 µS/cm	9.55 mg/L	7.58 NTU	135.9 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:02 PM	44:00	7.67 pH	18.80 °C	218.24 µS/cm	9.46 mg/L	8.14 NTU	133.8 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:06 PM	48:00	7.67 pH	18.93 °C	218.57 µS/cm	9.43 mg/L	7.58 NTU	132.0 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:10 PM	52:00	7.67 pH	18.95 °C	218.08 µS/cm	9.37 mg/L	7.00 NTU	130.6 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:14 PM	56:00	7.68 pH	19.02 °C	217.69 µS/cm	9.42 mg/L	7.31 NTU	129.1 mV	79.85 ft	0.10 PSU	200.00 ml/min

8/1/2023 12:18 PM	01:00:00	7.65 pH	19.74 °C	219.08 µS/cm	9.22 mg/L	6.56 NTU	127.4 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:22 PM	01:04:00	7.66 pH	19.87 °C	217.63 µS/cm	9.16 mg/L	6.42 NTU	126.7 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:26 PM	01:08:00	7.66 pH	19.58 °C	217.43 µS/cm	9.29 mg/L	5.83 NTU	125.8 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:30 PM	01:12:00	7.67 pH	19.44 °C	217.03 µS/cm	9.21 mg/L	4.85 NTU	124.9 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:34 PM	01:16:00	7.66 pH	19.56 °C	218.05 µS/cm	9.35 mg/L	4.04 NTU	124.0 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:38 PM	01:20:00	7.67 pH	19.76 °C	217.71 µS/cm	9.10 mg/L	3.81 NTU	123.4 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:42 PM	01:24:00	7.67 pH	19.57 °C	216.88 µS/cm	9.23 mg/L	3.75 NTU	122.8 mV	79.85 ft	0.10 PSU	200.00 ml/min
8/1/2023 12:46 PM	01:28:00	7.66 pH	19.54 °C	217.32 µS/cm	9.30 mg/L	3.47 NTU	122.4 mV	79.85 ft	0.10 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWA-3A	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/1/2023 11:22:47 AM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-11 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.35 ft Total Depth: 47.35 ft Initial Depth to Water: 26.27 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 32.35 ft Estimated Total Volume Pumped: 8640 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/1/2023 11:22 AM	00:00	6.40 pH	20.34 °C	78.90 µS/cm	4.21 mg/L	1.25 NTU	169.7 mV	26.30 ft	0.04 PSU	120.00 ml/min
8/1/2023 11:26 AM	04:00	6.09 pH	19.78 °C	84.22 µS/cm	4.12 mg/L	1.20 NTU	170.1 mV	26.30 ft	0.04 PSU	120.00 ml/min
8/1/2023 11:30 AM	08:00	5.96 pH	19.55 °C	89.55 µS/cm	4.08 mg/L	0.65 NTU	172.8 mV	26.30 ft	0.04 PSU	120.00 ml/min
8/1/2023 11:34 AM	12:00	5.90 pH	19.46 °C	93.54 µS/cm	4.06 mg/L	0.71 NTU	174.5 mV	26.30 ft	0.04 PSU	120.00 ml/min
8/1/2023 11:38 AM	16:00	5.88 pH	19.51 °C	96.26 µS/cm	4.00 mg/L	0.63 NTU	175.4 mV	26.30 ft	0.04 PSU	120.00 ml/min
8/1/2023 11:42 AM	20:00	5.88 pH	19.46 °C	99.60 µS/cm	3.72 mg/L	0.81 NTU	176.2 mV	26.30 ft	0.05 PSU	120.00 ml/min
8/1/2023 11:46 AM	24:00	5.89 pH	19.42 °C	105.46 µS/cm	3.65 mg/L	0.68 NTU	176.7 mV	26.30 ft	0.05 PSU	120.00 ml/min
8/1/2023 11:50 AM	28:00	5.93 pH	19.53 °C	115.97 µS/cm	3.72 mg/L	0.81 NTU	170.2 mV	26.30 ft	0.05 PSU	120.00 ml/min
8/1/2023 11:54 AM	32:00	6.01 pH	19.64 °C	131.87 µS/cm	3.98 mg/L	0.91 NTU	157.7 mV	26.30 ft	0.06 PSU	120.00 ml/min
8/1/2023 11:58 AM	36:00	6.11 pH	19.65 °C	147.49 µS/cm	4.29 mg/L	0.88 NTU	153.8 mV	26.30 ft	0.07 PSU	120.00 ml/min
8/1/2023 12:02 PM	40:00	6.21 pH	19.68 °C	161.99 µS/cm	4.54 mg/L	1.01 NTU	150.3 mV	26.30 ft	0.08 PSU	120.00 ml/min
8/1/2023 12:06 PM	44:00	6.32 pH	19.40 °C	171.53 µS/cm	4.72 mg/L	0.84 NTU	145.4 mV	26.30 ft	0.08 PSU	120.00 ml/min
8/1/2023 12:10 PM	48:00	6.40 pH	19.24 °C	179.06 µS/cm	4.84 mg/L	0.91 NTU	143.4 mV	26.30 ft	0.09 PSU	120.00 ml/min
8/1/2023 12:14 PM	52:00	6.47 pH	19.33 °C	187.11 µS/cm	4.96 mg/L	0.75 NTU	141.4 mV	26.30 ft	0.09 PSU	120.00 ml/min
8/1/2023 12:18 PM	56:00	6.53 pH	19.31 °C	191.26 µS/cm	5.00 mg/L	0.71 NTU	142.4 mV	26.30 ft	0.09 PSU	120.00 ml/min

8/1/2023 12:22 PM	01:00:00	6.58 pH	19.30 °C	195.85 µS/cm	5.08 mg/L	0.71 NTU	143.4 mV	26.30 ft	0.09 PSU	120.00 ml/min
8/1/2023 12:26 PM	01:04:00	6.63 pH	19.31 °C	198.72 µS/cm	5.12 mg/L	0.66 NTU	144.6 mV	26.30 ft	0.09 PSU	120.00 ml/min
8/1/2023 12:30 PM	01:08:00	6.68 pH	19.24 °C	200.92 µS/cm	5.16 mg/L	0.87 NTU	145.5 mV	26.30 ft	0.10 PSU	120.00 ml/min
8/1/2023 12:34 PM	01:12:00	6.71 pH	19.33 °C	203.74 µS/cm	5.18 mg/L	0.71 NTU	146.4 mV	26.30 ft	0.10 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-11	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/1/2023 12:40:05 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWC-13 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 74.8 ft Total Depth: 84.8 ft Initial Depth to Water: 34.87 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.8 ft Estimated Total Volume Pumped: 1760 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/1/2023 12:40 PM	00:00	6.79 pH	21.24 °C	274.28 µS/cm	4.05 mg/L	2.16 NTU	104.7 mV	34.90 ft	0.13 PSU	110.00 ml/min
8/1/2023 12:44 PM	04:00	6.79 pH	20.91 °C	274.93 µS/cm	4.07 mg/L	1.78 NTU	114.0 mV	34.90 ft	0.13 PSU	110.00 ml/min
8/1/2023 12:48 PM	08:00	6.79 pH	21.00 °C	277.32 µS/cm	4.11 mg/L	1.38 NTU	117.1 mV	34.90 ft	0.13 PSU	110.00 ml/min
8/1/2023 12:52 PM	12:00	6.78 pH	20.98 °C	278.61 µS/cm	4.10 mg/L	1.12 NTU	119.0 mV	34.90 ft	0.13 PSU	110.00 ml/min
8/1/2023 12:56 PM	16:00	6.77 pH	21.09 °C	282.57 µS/cm	4.12 mg/L	0.93 NTU	120.3 mV	34.90 ft	0.14 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-13	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/1/2023 2:02:08 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-12 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 44.03 ft Total Depth: 54.03 ft Initial Depth to Water: 25.39 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 49.03 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.75 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
 Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/1/2023 2:02 PM	00:00	6.00 pH	21.20 °C	100.87 µS/cm	1.69 mg/L	7.36 NTU	90.4 mV	25.95 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:06 PM	04:00	5.72 pH	20.16 °C	106.68 µS/cm	1.12 mg/L	6.97 NTU	92.6 mV	26.07 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:10 PM	08:00	5.58 pH	20.05 °C	110.56 µS/cm	0.34 mg/L	9.91 NTU	93.4 mV	26.10 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:14 PM	12:00	5.51 pH	19.87 °C	110.95 µS/cm	0.18 mg/L	5.68 NTU	94.4 mV	26.13 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:18 PM	16:00	5.49 pH	19.65 °C	111.62 µS/cm	0.15 mg/L	5.02 NTU	93.7 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:22 PM	20:00	5.47 pH	19.55 °C	111.85 µS/cm	0.14 mg/L	3.89 NTU	93.6 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:26 PM	24:00	5.46 pH	19.43 °C	112.06 µS/cm	0.14 mg/L	3.03 NTU	94.0 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:30 PM	28:00	5.45 pH	19.30 °C	112.12 µS/cm	0.14 mg/L	4.07 NTU	92.9 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:34 PM	32:00	5.45 pH	19.47 °C	111.96 µS/cm	0.14 mg/L	2.77 NTU	93.0 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:38 PM	36:00	5.45 pH	19.11 °C	112.50 µS/cm	0.14 mg/L	1.33 NTU	94.0 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:42 PM	40:00	5.46 pH	19.20 °C	112.16 µS/cm	0.14 mg/L	1.39 NTU	93.3 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:46 PM	44:00	5.46 pH	19.25 °C	112.01 µS/cm	0.14 mg/L	1.12 NTU	93.6 mV	26.14 ft	0.05 PSU	150.00 ml/min
8/1/2023 2:50 PM	48:00	5.45 pH	19.33 °C	112.29 µS/cm	0.14 mg/L	1.11 NTU	93.4 mV	26.14 ft	0.05 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-12	Metals, inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/1/2023 2:15:08 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWC-15Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 64.9 ft Total Depth: 74.9 ft Initial Depth to Water: 43.22 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 69.9 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.85 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/1/2023 2:15 PM	00:00	7.34 pH	21.28 °C	228.80 µS/cm	7.61 mg/L	0.20 NTU	110.4 mV	44.03 ft	0.11 PSU	150.00 ml/min
8/1/2023 2:19 PM	04:00	7.37 pH	21.27 °C	228.42 µS/cm	7.58 mg/L	0.47 NTU	120.2 mV	44.05 ft	0.11 PSU	150.00 ml/min
8/1/2023 2:23 PM	08:00	7.39 pH	21.27 °C	229.84 µS/cm	7.59 mg/L	0.82 NTU	123.1 mV	44.07 ft	0.11 PSU	150.00 ml/min
8/1/2023 2:27 PM	12:00	7.40 pH	21.32 °C	230.03 µS/cm	7.54 mg/L	0.77 NTU	125.5 mV	44.07 ft	0.11 PSU	150.00 ml/min
8/1/2023 2:31 PM	16:00	7.41 pH	21.16 °C	229.90 µS/cm	7.50 mg/L	0.73 NTU	127.2 mV	44.07 ft	0.11 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-15Z	Metals, Inorganics, Alkalinity, TDS
FD-05	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/1/2023 2:24:06 PM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: Kevin Stephenson

Location Name: GWC-14Z Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 66.34 ft Total Depth: 76.34 ft Initial Depth to Water: 34.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 71.34 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 2.88 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 4 liter.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/1/2023 2:24 PM	00:00	5.34 pH	23.05 °C	106.73 µS/cm	4.28 mg/L	0.22 NTU	125.5 mV	36.62 ft	0.05 PSU	120.00 ml/min
8/1/2023 2:28 PM	04:00	5.40 pH	22.60 °C	109.59 µS/cm	4.30 mg/L	0.52 NTU	125.3 mV	36.74 ft	0.05 PSU	120.00 ml/min
8/1/2023 2:32 PM	08:00	5.43 pH	22.34 °C	113.65 µS/cm	4.42 mg/L	0.30 NTU	125.6 mV	36.85 ft	0.05 PSU	120.00 ml/min
8/1/2023 2:36 PM	12:00	5.48 pH	21.94 °C	115.25 µS/cm	4.40 mg/L	0.31 NTU	125.8 mV	36.92 ft	0.05 PSU	120.00 ml/min
8/1/2023 2:40 PM	16:00	5.52 pH	21.64 °C	117.60 µS/cm	4.45 mg/L	0.16 NTU	125.9 mV	36.97 ft	0.06 PSU	120.00 ml/min
8/1/2023 2:44 PM	20:00	5.55 pH	22.21 °C	119.45 µS/cm	4.45 mg/L	0.44 NTU	125.4 mV	37.03 ft	0.06 PSU	120.00 ml/min
8/1/2023 2:48 PM	24:00	5.57 pH	22.41 °C	121.27 µS/cm	4.46 mg/L	0.07 NTU	125.4 mV	37.08 ft	0.06 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-14Z	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/2/2023 9:48:21 AM
Project: Plant Bowen LF Cells 1&2 July 2023
Operator Name: William Laaker

Location Name: GWC-13RZ Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 94.3 ft Total Depth: 104.3 ft Initial Depth to Water: 94.11 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 99.3 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.49 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/1/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/2/2023 9:48 AM	00:00	6.95 pH	23.69 °C	421.17 µS/cm	4.60 mg/L	0.11 NTU	177.4 mV	94.60 ft	0.20 PSU	120.00 ml/min
8/2/2023 9:48 AM	00:20	6.96 pH	23.06 °C	428.93 µS/cm	4.78 mg/L		171.6 mV	94.60 ft	0.21 PSU	120.00 ml/min
8/2/2023 9:49 AM	00:40	6.97 pH	22.67 °C	426.61 µS/cm	4.89 mg/L		165.7 mV	94.60 ft	0.21 PSU	120.00 ml/min
8/2/2023 9:49 AM	01:00	6.97 pH	22.40 °C	427.90 µS/cm	4.97 mg/L		160.4 mV	94.60 ft	0.21 PSU	120.00 ml/min
8/2/2023 9:49 AM	01:20	6.97 pH	22.22 °C	429.26 µS/cm	5.04 mg/L	0.11 NTU	156.4 mV	94.60 ft	0.21 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-13RZ	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/2/2023 9:51:11 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Meredith Duncan

Location Name: GWA-36A Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 95.1 ft Total Depth: 105.1 ft Initial Depth to Water: 34.24 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 100.1 ft Estimated Total Volume Pumped: 4400 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
 Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/2/2023 9:51 AM	00:00	6.85 pH	21.19 °C	423.91 µS/cm	2.17 mg/L	9.23 NTU	171.4 mV	34.25 ft	0.21 PSU	110.00 ml/min
8/2/2023 9:55 AM	04:00	6.89 pH	20.92 °C	381.25 µS/cm	3.32 mg/L	15.90 NTU	164.9 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 9:59 AM	08:00	6.86 pH	20.77 °C	374.51 µS/cm	3.57 mg/L	11.20 NTU	162.7 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:03 AM	12:00	6.85 pH	20.67 °C	370.40 µS/cm	3.69 mg/L	6.94 NTU	161.8 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:07 AM	16:00	6.84 pH	20.47 °C	370.54 µS/cm	3.76 mg/L	6.57 NTU	161.8 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:11 AM	20:00	6.83 pH	20.43 °C	371.39 µS/cm	3.81 mg/L	5.77 NTU	162.6 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:15 AM	24:00	6.84 pH	20.27 °C	373.26 µS/cm	3.87 mg/L	4.25 NTU	162.7 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:19 AM	28:00	6.84 pH	20.35 °C	374.60 µS/cm	3.89 mg/L	3.59 NTU	162.3 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:23 AM	32:00	6.83 pH	20.45 °C	375.64 µS/cm	3.89 mg/L	3.03 NTU	162.9 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:27 AM	36:00	6.84 pH	20.57 °C	376.12 µS/cm	3.89 mg/L	2.46 NTU	162.8 mV	34.25 ft	0.18 PSU	110.00 ml/min
8/2/2023 10:31 AM	40:00	6.84 pH	20.49 °C	377.24 µS/cm	3.93 mg/L	2.28 NTU	163.3 mV	34.25 ft	0.18 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-36A	Metals, inorganics, Alkalinity, TDS

FD-06

Metals, inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/2/2023 10:56:04 AM

Project: Plant Bowen LF Cells 1&2 July 2023

Operator Name: William Laaker

Location Name: GWC-15R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 87.5 ft Total Depth: 97.5 ft Initial Depth to Water: 43.61 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 92.5 ft Estimated Total Volume Pumped: 4560 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.34 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Pump rate slipped between 12:00 and 20:00; raised back to 120 mL/min at 24:00.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/2/2023 10:56 AM	00:00	7.13 pH	21.14 °C	294.54 µS/cm	4.13 mg/L	4.96 NTU	95.3 mV	43.92 ft	0.14 PSU	120.00 ml/min
8/2/2023 11:00 AM	04:00	7.15 pH	21.51 °C	295.67 µS/cm	4.25 mg/L	5.84 NTU	109.8 mV	43.92 ft	0.14 PSU	120.00 ml/min
8/2/2023 11:04 AM	08:00	7.16 pH	21.85 °C	297.25 µS/cm	4.38 mg/L	6.41 NTU	113.5 mV	43.92 ft	0.14 PSU	120.00 ml/min
8/2/2023 11:08 AM	12:00	7.17 pH	22.06 °C	298.90 µS/cm	4.45 mg/L	6.15 NTU	116.4 mV	43.91 ft	0.14 PSU	100.00 ml/min
8/2/2023 11:12 AM	16:00	7.17 pH	22.21 °C	300.93 µS/cm	4.49 mg/L	5.98 NTU	118.4 mV	43.90 ft	0.14 PSU	100.00 ml/min
8/2/2023 11:16 AM	20:00	7.16 pH	22.92 °C	303.69 µS/cm	4.50 mg/L	5.53 NTU	118.6 mV	43.85 ft	0.15 PSU	100.00 ml/min
8/2/2023 11:20 AM	24:00	7.19 pH	22.32 °C	304.50 µS/cm	4.45 mg/L	5.08 NTU	120.6 mV	43.90 ft	0.15 PSU	120.00 ml/min
8/2/2023 11:24 AM	28:00	7.18 pH	22.37 °C	307.08 µS/cm	4.43 mg/L	4.61 NTU	121.3 mV	43.90 ft	0.15 PSU	120.00 ml/min
8/2/2023 11:28 AM	32:00	7.18 pH	22.57 °C	307.84 µS/cm	4.42 mg/L	4.21 NTU	122.5 mV	43.90 ft	0.15 PSU	120.00 ml/min
8/2/2023 11:32 AM	36:00	7.21 pH	21.49 °C	305.59 µS/cm	4.44 mg/L	3.24 NTU	124.1 mV	43.92 ft	0.15 PSU	120.00 ml/min
8/2/2023 11:36 AM	40:00	7.23 pH	20.87 °C	301.97 µS/cm	4.41 mg/L	3.22 NTU	125.2 mV	43.95 ft	0.15 PSU	120.00 ml/min

Samples

Sample ID:	Description:
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GWC-15R

Metals, Inorganics, Alkalinity, TDS

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/2/2023 11:00:32 AM

Project: Plant Bowen LF Cells 3&4 July 2023

Operator Name: Kevin Stephenson

Location Name: GWA-37 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 97.52 ft Total Depth: 107.52 ft Initial Depth to Water: 51.69 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 102.52 ft Estimated Total Volume Pumped: 3520 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 17.85 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 13 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/2/2023 11:00 AM	00:00	6.79 pH	21.72 °C	21.32 µS/cm	5.13 mg/L	0.58 NTU	191.8 mV	68.44 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:04 AM	04:00	5.16 pH	20.66 °C	20.69 µS/cm	5.29 mg/L	0.66 NTU	188.1 mV	68.63 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:08 AM	08:00	4.76 pH	20.58 °C	20.19 µS/cm	5.32 mg/L	0.65 NTU	188.3 mV	68.82 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:12 AM	12:00	4.72 pH	20.73 °C	20.20 µS/cm	5.40 mg/L	0.85 NTU	189.8 mV	68.97 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:16 AM	16:00	4.71 pH	20.88 °C	20.38 µS/cm	5.48 mg/L	0.74 NTU	188.1 mV	69.13 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:20 AM	20:00	4.69 pH	21.00 °C	20.61 µS/cm	5.51 mg/L	0.47 NTU	187.1 mV	69.25 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:24 AM	24:00	4.71 pH	20.96 °C	20.51 µS/cm	5.56 mg/L	0.77 NTU	184.5 mV	69.36 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:28 AM	28:00	4.72 pH	20.92 °C	20.61 µS/cm	5.63 mg/L	0.91 NTU	182.7 mV	69.45 ft	0.01 PSU	110.00 ml/min
8/2/2023 11:32 AM	32:00	4.69 pH	21.11 °C	20.61 µS/cm	5.61 mg/L	0.60 NTU	183.1 mV	69.54 ft	0.01 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-37	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/2/2023 11:47:26 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Meredith Duncan

Location Name: GWA-36RA Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 100.28 ft Total Depth: 110.28 ft Initial Depth to Water: 35.63 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 105.28 ft Estimated Total Volume Pumped: 25520 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
 Prepurged 3.5L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/2/2023 11:47 AM	00:00	6.93 pH	21.73 °C	385.36 µS/cm	3.48 mg/L	29.20 NTU	153.7 mV	35.65 ft	0.19 PSU	100.00 ml/min
8/2/2023 11:51 AM	04:00	6.92 pH	21.45 °C	381.29 µS/cm	3.52 mg/L	27.80 NTU	161.9 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 11:55 AM	08:00	6.91 pH	21.60 °C	379.43 µS/cm	3.55 mg/L	28.00 NTU	164.7 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 11:59 AM	12:00	6.89 pH	21.56 °C	378.45 µS/cm	3.60 mg/L	27.00 NTU	166.1 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:03 PM	16:00	6.88 pH	21.48 °C	375.52 µS/cm	3.64 mg/L	25.20 NTU	167.2 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:07 PM	20:00	6.87 pH	21.12 °C	373.65 µS/cm	3.71 mg/L	21.90 NTU	168.3 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:11 PM	24:00	6.86 pH	21.20 °C	373.17 µS/cm	3.75 mg/L	20.20 NTU	169.1 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:15 PM	28:00	6.84 pH	21.56 °C	371.70 µS/cm	3.76 mg/L	18.80 NTU	169.2 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:19 PM	32:00	6.83 pH	21.61 °C	370.05 µS/cm	3.82 mg/L	18.70 NTU	169.7 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:23 PM	36:00	6.82 pH	21.69 °C	369.24 µS/cm	3.81 mg/L	17.40 NTU	170.3 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:27 PM	40:00	6.81 pH	21.53 °C	369.06 µS/cm	3.85 mg/L	15.90 NTU	170.7 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:31 PM	44:00	6.81 pH	21.43 °C	368.08 µS/cm	3.88 mg/L	16.50 NTU	171.3 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:35 PM	48:00	6.81 pH	21.07 °C	365.10 µS/cm	3.90 mg/L	10.13 NTU	172.2 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:39 PM	52:00	6.80 pH	20.90 °C	365.58 µS/cm	3.95 mg/L	14.10 NTU	172.4 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:43 PM	56:00	6.79 pH	21.11 °C	365.82 µS/cm	3.98 mg/L	14.60 NTU	172.5 mV	35.65 ft	0.18 PSU	100.00 ml/min

8/2/2023 12:47 PM	01:00:00	6.79 pH	20.86 °C	363.95 µS/cm	3.98 mg/L	15.70 NTU	173.2 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:51 PM	01:04:00	6.80 pH	20.61 °C	363.99 µS/cm	4.01 mg/L	15.60 NTU	173.4 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:55 PM	01:08:00	6.79 pH	20.76 °C	364.39 µS/cm	4.01 mg/L	16.70 NTU	173.6 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 12:59 PM	01:12:00	6.78 pH	21.16 °C	363.06 µS/cm	4.01 mg/L	16.30 NTU	173.5 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 1:03 PM	01:16:00	6.79 pH	20.87 °C	361.49 µS/cm	4.02 mg/L	18.00 NTU	174.0 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:07 PM	01:20:00	6.78 pH	20.73 °C	362.80 µS/cm	4.06 mg/L	16.60 NTU	174.2 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 1:11 PM	01:24:00	6.78 pH	20.80 °C	362.64 µS/cm	4.09 mg/L	17.10 NTU	174.5 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 1:15 PM	01:28:00	6.77 pH	20.85 °C	362.05 µS/cm	4.09 mg/L	14.50 NTU	174.7 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:19 PM	01:32:00	6.77 pH	20.96 °C	363.15 µS/cm	4.09 mg/L	14.50 NTU	174.9 mV	35.65 ft	0.18 PSU	100.00 ml/min
8/2/2023 1:23 PM	01:36:00	6.76 pH	21.24 °C	361.89 µS/cm	4.11 mg/L	14.20 NTU	175.1 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:27 PM	01:40:00	6.76 pH	21.34 °C	359.94 µS/cm	4.08 mg/L	13.80 NTU	175.4 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:31 PM	01:44:00	6.75 pH	21.52 °C	361.33 µS/cm	4.13 mg/L	14.00 NTU	175.7 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:35 PM	01:48:00	6.75 pH	21.71 °C	359.60 µS/cm	4.10 mg/L	11.60 NTU	176.2 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:39 PM	01:52:00	6.75 pH	21.60 °C	358.72 µS/cm	4.09 mg/L	11.90 NTU	176.7 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:43 PM	01:56:00	6.75 pH	21.75 °C	358.64 µS/cm	4.07 mg/L	11.60 NTU	177.3 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:47 PM	02:00:00	6.75 pH	21.71 °C	359.06 µS/cm	4.08 mg/L	11.70 NTU	177.8 mV	35.65 ft	0.17 PSU	100.00 ml/min
8/2/2023 1:51 PM	02:04:00	6.76 pH	21.02 °C	358.66 µS/cm	4.17 mg/L	11.20 NTU	179.1 mV	35.65 ft	0.17 PSU	160.00 ml/min
8/2/2023 1:55 PM	02:08:00	6.76 pH	20.80 °C	359.29 µS/cm	4.20 mg/L	12.60 NTU	179.8 mV	35.65 ft	0.17 PSU	160.00 ml/min
8/2/2023 1:59 PM	02:12:00	6.76 pH	20.67 °C	359.59 µS/cm	4.22 mg/L	17.20 NTU	180.5 mV	35.65 ft	0.17 PSU	160.00 ml/min
8/2/2023 2:03 PM	02:16:00	6.76 pH	20.36 °C	359.11 µS/cm	4.22 mg/L	22.60 NTU	181.2 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:07 PM	02:20:00	6.77 pH	19.94 °C	359.37 µS/cm	4.28 mg/L	26.00 NTU	181.9 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:11 PM	02:24:00	6.77 pH	19.73 °C	360.49 µS/cm	4.32 mg/L	35.30 NTU	181.8 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:15 PM	02:28:00	6.78 pH	20.10 °C	362.40 µS/cm	4.23 mg/L	38.90 NTU	181.8 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:19 PM	02:32:00	6.79 pH	20.14 °C	361.91 µS/cm	4.22 mg/L	42.30 NTU	182.2 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:23 PM	02:36:00	6.78 pH	20.09 °C	359.23 µS/cm	4.25 mg/L	48.10 NTU	182.8 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:27 PM	02:40:00	6.79 pH	19.67 °C	359.89 µS/cm	4.26 mg/L	44.40 NTU	183.2 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:31 PM	02:44:00	6.78 pH	19.78 °C	359.88 µS/cm	4.25 mg/L	49.80 NTU	183.0 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:35 PM	02:48:00	6.78 pH	19.69 °C	358.85 µS/cm	4.24 mg/L	56.60 NTU	183.1 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:39 PM	02:52:00	6.78 pH	19.53 °C	359.35 µS/cm	4.28 mg/L	55.10 NTU	183.0 mV	35.65 ft	0.17 PSU	200.00 ml/min

8/2/2023 2:43 PM	02:56:00	6.77 pH	19.60 °C	358.52 µS/cm	4.27 mg/L	53.90 NTU	182.7 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:47 PM	03:00:00	6.76 pH	19.85 °C	358.21 µS/cm	4.29 mg/L	48.90 NTU	182.7 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:51 PM	03:04:00	6.77 pH	19.65 °C	357.28 µS/cm	4.28 mg/L	50.10 NTU	183.2 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:55 PM	03:08:00	6.76 pH	19.64 °C	357.95 µS/cm	4.30 mg/L	48.00 NTU	183.3 mV	35.65 ft	0.17 PSU	200.00 ml/min
8/2/2023 2:59 PM	03:12:00	6.76 pH	19.62 °C	357.02 µS/cm	4.32 mg/L	52.70 NTU	183.7 mV	35.65 ft	0.17 PSU	200.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/2/2023 12:46:59 PM

Project: Plant Bowen LF Cells 3&4 July 2023

Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 40.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 2100 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 0.35 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 0.25 L

Drawdown historically does not stabilize above screen interval. DTW started in screen. Organic debris and strong odor with purge water. DTW was below top of pump by start of trolling. Full evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/2/2023 12:46 PM	00:00	6.74 pH	23.38 °C	894.12 µS/cm	4.50 mg/L	0.67 NTU	45.1 mV	40.90 ft	0.44 PSU	105.00 ml/min
8/2/2023 12:50 PM	04:00	6.74 pH	20.88 °C	932.39 µS/cm	2.27 mg/L	0.54 NTU	25.7 mV		0.46 PSU	105.00 ml/min
8/2/2023 12:54 PM	08:00	6.73 pH	20.38 °C	949.60 µS/cm	0.93 mg/L	0.74 NTU	2.3 mV		0.47 PSU	105.00 ml/min
8/2/2023 12:58 PM	12:00	6.68 pH	20.13 °C	952.65 µS/cm	0.44 mg/L	0.61 NTU	-31.7 mV		0.47 PSU	105.00 ml/min
8/2/2023 1:02 PM	16:00	6.62 pH	19.80 °C	959.49 µS/cm	0.27 mg/L	0.78 NTU	-50.8 mV		0.48 PSU	105.00 ml/min
8/2/2023 1:06 PM	20:00	6.60 pH	19.49 °C	957.52 µS/cm	0.21 mg/L	0.39 NTU	-62.2 mV		0.48 PSU	105.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/2/2023 1:04:27 PM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Kevin Stephenson

Location Name: GWA-38 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 59.35 ft Total Depth: 69.35 ft Initial Depth to Water: 52.85 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 64.35 ft Estimated Total Volume Pumped: 2880 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 1.52 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/2/2023 1:04 PM	00:00	4.58 pH	26.17 °C	32.74 µS/cm	6.20 mg/L	0.14 NTU	159.8 mV	53.89 ft	0.01 PSU	120.00 ml/min
8/2/2023 1:08 PM	04:00	4.43 pH	22.45 °C	33.98 µS/cm	6.85 mg/L	0.03 NTU	159.7 mV	53.98 ft	0.01 PSU	120.00 ml/min
8/2/2023 1:12 PM	08:00	4.41 pH	22.30 °C	33.46 µS/cm	6.94 mg/L	0.11 NTU	156.6 mV	54.08 ft	0.01 PSU	120.00 ml/min
8/2/2023 1:16 PM	12:00	4.42 pH	22.26 °C	33.07 µS/cm	6.98 mg/L	0.22 NTU	153.5 mV	54.19 ft	0.01 PSU	120.00 ml/min
8/2/2023 1:20 PM	16:00	4.43 pH	22.34 °C	32.54 µS/cm	6.94 mg/L	0.17 NTU	151.1 mV	54.27 ft	0.01 PSU	120.00 ml/min
8/2/2023 1:24 PM	20:00	4.41 pH	22.88 °C	32.17 µS/cm	6.93 mg/L	0.10 NTU	149.9 mV	54.33 ft	0.01 PSU	120.00 ml/min
8/2/2023 1:28 PM	24:00	4.41 pH	23.00 °C	31.93 µS/cm	6.90 mg/L	0.13 NTU	149.0 mV	54.37 ft	0.01 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWA-38	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/2/2023 3:28:07 PM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: William Laaker

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 83.62 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 1600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 1.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 0.5 L

Drawdown historically does not stabilize above screen interval. DTW fell into screen. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/2/2023 3:28 PM	00:00	6.98 pH	22.52 °C	581.16 µS/cm	7.52 mg/L	0.22 NTU	81.1 mV	84.40 ft	0.28 PSU	100.00 ml/min
8/2/2023 3:32 PM	04:00	6.92 pH	22.07 °C	581.25 µS/cm	7.62 mg/L	0.10 NTU	94.8 mV	84.70 ft	0.28 PSU	100.00 ml/min
8/2/2023 3:36 PM	08:00	6.89 pH	21.67 °C	579.55 µS/cm	7.52 mg/L	0.03 NTU	98.8 mV		0.28 PSU	100.00 ml/min
8/2/2023 3:40 PM	12:00	6.88 pH	21.77 °C	580.52 µS/cm	7.54 mg/L	0.04 NTU	102.1 mV		0.28 PSU	100.00 ml/min
8/2/2023 3:44 PM	16:00	6.86 pH	22.07 °C	581.32 µS/cm	7.52 mg/L	0.02 NTU	104.7 mV		0.28 PSU	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/3/2023 9:45:09 AM
Project: Plant Bowen LF Cells 3&4 August 2023
Operator Name: Meredith Duncan

Location Name: GWC-25R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 89.97 ft Total Depth: 99.97 ft Initial Depth to Water: 25.22 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 94.97 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/3/2023 9:45 AM	00:00	7.10 pH	19.15 °C	311.47 µS/cm	2.29 mg/L	0.03 NTU	187.5 mV	25.29 ft	0.15 PSU	200.00 ml/min
8/3/2023 9:49 AM	04:00	7.07 pH	18.09 °C	316.09 µS/cm	5.13 mg/L	1.25 NTU	177.2 mV	25.27 ft	0.15 PSU	200.00 ml/min
8/3/2023 9:53 AM	08:00	7.11 pH	17.91 °C	315.41 µS/cm	5.73 mg/L	1.44 NTU	175.2 mV	25.27 ft	0.15 PSU	200.00 ml/min
8/3/2023 9:57 AM	12:00	7.16 pH	17.80 °C	315.17 µS/cm	6.04 mg/L	0.07 NTU	173.4 mV	25.28 ft	0.15 PSU	200.00 ml/min
8/3/2023 10:01 AM	16:00	7.21 pH	17.81 °C	315.39 µS/cm	6.23 mg/L	1.04 NTU	173.0 mV	25.28 ft	0.15 PSU	200.00 ml/min
8/3/2023 10:05 AM	20:00	7.24 pH	17.82 °C	315.53 µS/cm	6.31 mg/L	0.57 NTU	172.9 mV	25.28 ft	0.15 PSU	200.00 ml/min
8/3/2023 10:09 AM	24:00	7.26 pH	17.91 °C	316.94 µS/cm	6.36 mg/L	0.17 NTU	172.7 mV	25.28 ft	0.15 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWC-25R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 9:56:38 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: William Laaker

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 40.9 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 140 ml Flow Cell Volume: 90 ml Final Flow Rate: 105 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/2/23. DTW started below top of pump.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/3/2023 9:56 AM	00:00	6.88 pH	19.71 °C	913.59 µS/cm	2.00 mg/L	4.52 NTU	11.0 mV	40.90 ft	0.45 PSU	105.00 ml/min
8/3/2023 9:56 AM	00:20	6.88 pH	19.66 °C	929.51 µS/cm	2.00 mg/L		20.3 mV		0.46 PSU	105.00 ml/min
8/3/2023 9:57 AM	00:40	6.88 pH	19.62 °C	928.43 µS/cm	2.01 mg/L		25.7 mV		0.46 PSU	105.00 ml/min
8/3/2023 9:57 AM	01:00	6.88 pH	19.54 °C	929.09 µS/cm	2.04 mg/L		25.3 mV		0.46 PSU	105.00 ml/min
8/3/2023 9:57 AM	01:20	6.88 pH	19.52 °C	927.49 µS/cm	2.05 mg/L	4.03 NTU	27.4 mV		0.46 PSU	105.00 ml/min

Samples

Sample ID:	Description:
GWC-23R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 10:59:55 AM

Project: Plant Bowen LF Cells 3&4 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-24R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 30.11 ft Total Depth: 40.11 ft Initial Depth to Water: 26.1 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 35.11 ft Estimated Total Volume Pumped: 4320 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.7 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/3/2023 10:59 AM	00:00	7.08 pH	21.74 °C	284.41 µS/cm	5.35 mg/L	2.24 NTU	151.7 mV	26.55 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:03 AM	04:00	7.01 pH	20.00 °C	289.98 µS/cm	3.00 mg/L	0.39 NTU	159.4 mV	26.70 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:07 AM	08:00	7.01 pH	19.78 °C	289.82 µS/cm	2.61 mg/L	0.31 NTU	162.8 mV	26.76 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:11 AM	12:00	7.03 pH	19.64 °C	289.93 µS/cm	2.87 mg/L	0.59 NTU	130.4 mV	26.77 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:15 AM	16:00	7.04 pH	19.62 °C	289.18 µS/cm	3.14 mg/L	0.30 NTU	112.3 mV	26.78 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:19 AM	20:00	7.04 pH	19.69 °C	288.89 µS/cm	3.36 mg/L	0.16 NTU	103.2 mV	26.78 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:23 AM	24:00	7.03 pH	19.77 °C	288.20 µS/cm	3.50 mg/L	0.09 NTU	92.2 mV	26.80 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:27 AM	28:00	7.03 pH	19.86 °C	288.20 µS/cm	3.65 mg/L	0.12 NTU	84.0 mV	26.80 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:31 AM	32:00	7.02 pH	19.78 °C	288.02 µS/cm	3.67 mg/L	0.08 NTU	75.5 mV	26.80 ft	0.14 PSU	120.00 ml/min
8/3/2023 11:35 AM	36:00	7.02 pH	19.87 °C	287.51 µS/cm	3.83 mg/L	0.05 NTU	75.9 mV	26.80 ft	0.14 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-24R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 11:02:45 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Kevin Stephenson

Location Name: GWA-36RA Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 100.28 ft Total Depth: 110.28 ft Initial Depth to Water: 35.53 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 105.28 ft Estimated Total Volume Pumped: 3360 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 6 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/3/2023 11:02 AM	00:00	6.80 pH	20.99 °C	367.67 µS/cm	4.29 mg/L	6.35 NTU	192.1 mV	35.54 ft	0.18 PSU	140.00 ml/min
8/3/2023 11:06 AM	04:00	6.86 pH	20.34 °C	368.55 µS/cm	4.37 mg/L	5.70 NTU	179.1 mV	35.54 ft	0.18 PSU	140.00 ml/min
8/3/2023 11:10 AM	08:00	6.89 pH	20.37 °C	366.21 µS/cm	4.36 mg/L	4.66 NTU	171.3 mV	35.54 ft	0.18 PSU	140.00 ml/min
8/3/2023 11:14 AM	12:00	6.90 pH	20.34 °C	366.04 µS/cm	4.37 mg/L	4.55 NTU	165.7 mV	35.55 ft	0.18 PSU	140.00 ml/min
8/3/2023 11:18 AM	16:00	6.91 pH	20.42 °C	364.90 µS/cm	4.35 mg/L	4.40 NTU	161.3 mV	35.55 ft	0.18 PSU	140.00 ml/min
8/3/2023 11:22 AM	20:00	6.91 pH	20.39 °C	364.57 µS/cm	4.38 mg/L	4.38 NTU	157.3 mV	35.55 ft	0.18 PSU	140.00 ml/min
8/3/2023 11:26 AM	24:00	6.91 pH	20.40 °C	364.45 µS/cm	4.39 mg/L	4.40 NTU	154.0 mV	35.56 ft	0.18 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWA-36RA	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 11:48:42 AM

Project: Plant Bowen LF Cells 3&4 July 2023

Operator Name: William Laaker

Location Name: GWC-17R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.93 ft Total Depth: 92.93 ft Initial Depth to Water: 84.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.93 ft Estimated Total Volume Pumped: 133.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.5 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/2/23. DTW fell below top of pump.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/3/2023 11:48 AM	00:00	7.02 pH	24.62 °C	556.43 µS/cm	7.02 mg/L	0.09 NTU	91.6 mV	84.70 ft	0.27 PSU	100.00 ml/min
8/3/2023 11:49 AM	00:20	7.01 pH	24.00 °C	559.40 µS/cm	7.05 mg/L		101.9 mV		0.27 PSU	100.00 ml/min
8/3/2023 11:49 AM	00:40	6.99 pH	23.59 °C	560.57 µS/cm	7.11 mg/L		107.3 mV		0.27 PSU	100.00 ml/min
8/3/2023 11:49 AM	01:00	6.97 pH	23.32 °C	562.65 µS/cm	7.20 mg/L		108.4 mV		0.28 PSU	100.00 ml/min
8/3/2023 11:50 AM	01:20	6.96 pH	23.14 °C	564.82 µS/cm	7.27 mg/L	0.09 NTU	110.7 mV		0.28 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-17R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 12:48:40 PM

Project: Plant Bowen LF Cells 3&4 July 2023

Operator Name: William Laaker

Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 78.73 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 7920 ml Flow Cell Volume: 90 ml Final Flow Rate: 180 ml/min Final Draw Down: 9.96 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Drawdown historically does not stabilize above the screen. DTW fell into screen interval. Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/3/2023 12:48 PM	00:00	6.80 pH	18.82 °C	550.94 µS/cm	5.23 mg/L	0.06 NTU	114.6 mV	81.73 ft	0.27 PSU	180.00 ml/min
8/3/2023 12:52 PM	04:00	6.77 pH	18.82 °C	546.87 µS/cm	5.32 mg/L	0.04 NTU	120.2 mV	82.11 ft	0.27 PSU	180.00 ml/min
8/3/2023 12:56 PM	08:00	6.74 pH	18.91 °C	543.20 µS/cm	5.42 mg/L	0.12 NTU	121.0 mV	82.75 ft	0.27 PSU	180.00 ml/min
8/3/2023 1:00 PM	12:00	6.73 pH	18.97 °C	540.45 µS/cm	5.57 mg/L	0.08 NTU	121.2 mV	83.39 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:04 PM	16:00	6.71 pH	18.98 °C	536.40 µS/cm	5.75 mg/L	0.07 NTU	121.9 mV	84.10 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:08 PM	20:00	6.70 pH	18.89 °C	533.97 µS/cm	5.79 mg/L	0.14 NTU	122.7 mV	84.75 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:12 PM	24:00	6.69 pH	18.95 °C	533.26 µS/cm	5.81 mg/L	0.14 NTU	123.1 mV	85.46 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:16 PM	28:00	6.69 pH	18.87 °C	530.41 µS/cm	5.84 mg/L	0.21 NTU	124.3 mV	86.12 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:20 PM	32:00	6.68 pH	18.77 °C	528.09 µS/cm	5.85 mg/L	0.32 NTU	124.9 mV	86.80 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:24 PM	36:00	6.68 pH	18.78 °C	528.84 µS/cm	5.87 mg/L	0.01 NTU	125.5 mV	87.46 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:28 PM	40:00	6.67 pH	18.77 °C	529.35 µS/cm	5.89 mg/L	0.03 NTU	126.1 mV	88.12 ft	0.26 PSU	180.00 ml/min
8/3/2023 1:32 PM	44:00	6.67 pH	18.94 °C	527.85 µS/cm	5.85 mg/L	0.23 NTU	126.3 mV	88.69 ft	0.26 PSU	180.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/3/2023 12:59:52 PM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-22R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 109.6 ft Total Depth: 119.6 ft Initial Depth to Water: 65.13 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 114.6 ft Estimated Total Volume Pumped: 8400 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
 Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/3/2023 12:59 PM	00:00	6.34 pH	21.78 °C	348.82 µS/cm	0.48 mg/L	0.19 NTU	38.7 mV	65.14 ft	0.17 PSU	140.00 ml/min
8/3/2023 1:03 PM	04:00	6.21 pH	20.76 °C	375.37 µS/cm	0.13 mg/L	0.21 NTU	-1.9 mV	65.14 ft	0.18 PSU	140.00 ml/min
8/3/2023 1:07 PM	08:00	6.22 pH	20.42 °C	370.71 µS/cm	0.10 mg/L	0.76 NTU	-5.5 mV	65.14 ft	0.18 PSU	140.00 ml/min
8/3/2023 1:11 PM	12:00	6.25 pH	20.29 °C	365.98 µS/cm	0.10 mg/L	0.62 NTU	0.4 mV	65.14 ft	0.18 PSU	140.00 ml/min
8/3/2023 1:15 PM	16:00	6.29 pH	20.11 °C	358.63 µS/cm	0.22 mg/L	0.51 NTU	0.3 mV	65.14 ft	0.17 PSU	140.00 ml/min
8/3/2023 1:19 PM	20:00	6.34 pH	19.95 °C	350.76 µS/cm	0.68 mg/L	1.09 NTU	3.5 mV	65.14 ft	0.17 PSU	140.00 ml/min
8/3/2023 1:23 PM	24:00	6.40 pH	19.79 °C	341.77 µS/cm	1.26 mg/L	0.85 NTU	11.0 mV	65.14 ft	0.16 PSU	140.00 ml/min
8/3/2023 1:27 PM	28:00	6.45 pH	19.78 °C	333.32 µS/cm	1.89 mg/L	0.74 NTU	18.1 mV	65.14 ft	0.16 PSU	140.00 ml/min
8/3/2023 1:31 PM	32:00	6.49 pH	19.96 °C	326.92 µS/cm	2.31 mg/L	0.61 NTU	25.6 mV	65.14 ft	0.16 PSU	140.00 ml/min
8/3/2023 1:35 PM	36:00	6.52 pH	20.05 °C	323.88 µS/cm	2.54 mg/L	0.58 NTU	30.2 mV	65.14 ft	0.16 PSU	140.00 ml/min
8/3/2023 1:39 PM	40:00	6.55 pH	19.69 °C	320.63 µS/cm	2.84 mg/L	0.51 NTU	36.8 mV	65.14 ft	0.15 PSU	140.00 ml/min
8/3/2023 1:43 PM	44:00	6.58 pH	19.64 °C	318.91 µS/cm	3.08 mg/L	0.41 NTU	40.9 mV	65.14 ft	0.15 PSU	140.00 ml/min
8/3/2023 1:47 PM	48:00	6.60 pH	20.19 °C	316.31 µS/cm	3.29 mg/L	0.26 NTU	39.4 mV	65.15 ft	0.15 PSU	140.00 ml/min
8/3/2023 1:51 PM	52:00	6.62 pH	19.96 °C	315.84 µS/cm	3.41 mg/L	0.32 NTU	43.3 mV	65.15 ft	0.15 PSU	140.00 ml/min
8/3/2023 1:55 PM	56:00	6.62 pH	19.73 °C	317.06 µS/cm	3.39 mg/L	0.21 NTU	47.5 mV	65.15 ft	0.15 PSU	140.00 ml/min

8/3/2023 1:59 PM	01:00:00	6.62 pH	20.14 °C	316.03 µS/cm	3.39 mg/L	0.10 NTU	48.0 mV	65.15 ft	0.15 PSU	140.00 ml/min
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Samples

Sample ID:	Description:
GWC-22R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 2:50:29 PM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: William Laaker

Location Name: GWC-18 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 70.31 ft Total Depth: 80.31 ft Initial Depth to Water: 74.5 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 79.31 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepured 11 L

DTW started in screen interval. Three well volume method utilized (11 L).

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/3/2023 2:50 PM	00:00	6.20 pH	18.70 °C	159.84 µS/cm	7.76 mg/L	0.11 NTU	125.4 mV	74.55 ft	0.08 PSU	200.00 ml/min
8/3/2023 2:54 PM	04:00	6.20 pH	18.63 °C	159.61 µS/cm	7.71 mg/L	0.27 NTU	130.8 mV	74.55 ft	0.08 PSU	200.00 ml/min
8/3/2023 2:58 PM	08:00	6.20 pH	18.64 °C	160.37 µS/cm	7.71 mg/L	0.15 NTU	131.9 mV	74.55 ft	0.08 PSU	200.00 ml/min
8/3/2023 3:02 PM	12:00	6.19 pH	18.64 °C	161.50 µS/cm	7.74 mg/L	0.21 NTU	132.7 mV	74.55 ft	0.08 PSU	200.00 ml/min
8/3/2023 3:06 PM	16:00	6.19 pH	18.64 °C	161.88 µS/cm	7.73 mg/L	0.18 NTU	133.7 mV	74.55 ft	0.08 PSU	200.00 ml/min

Samples

Sample ID:	Description:
GWC-18	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/3/2023 2:50:43 PM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Kevin Stephenson

Location Name: GWC-20R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 77.47 ft Total Depth: 87.47 ft Initial Depth to Water: 72.1 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 82.47 ft Estimated Total Volume Pumped: 4320 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.16 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 1 liter.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/3/2023 2:50 PM	00:00	7.18 pH	22.31 °C	332.11 µS/cm	7.02 mg/L	0.25 NTU	118.8 mV	72.26 ft	0.16 PSU	120.00 ml/min
8/3/2023 2:54 PM	04:00	7.31 pH	20.83 °C	324.34 µS/cm	6.79 mg/L	0.07 NTU	116.1 mV	72.26 ft	0.16 PSU	120.00 ml/min
8/3/2023 2:58 PM	08:00	7.37 pH	20.44 °C	320.75 µS/cm	6.63 mg/L	0.14 NTU	115.4 mV	72.26 ft	0.15 PSU	120.00 ml/min
8/3/2023 3:02 PM	12:00	7.41 pH	20.38 °C	319.96 µS/cm	6.51 mg/L	0.08 NTU	115.2 mV	72.26 ft	0.15 PSU	120.00 ml/min
8/3/2023 3:06 PM	16:00	7.41 pH	20.30 °C	324.99 µS/cm	6.47 mg/L	0.07 NTU	115.0 mV	72.26 ft	0.16 PSU	120.00 ml/min
8/3/2023 3:10 PM	20:00	7.40 pH	20.35 °C	332.72 µS/cm	6.42 mg/L	0.09 NTU	115.2 mV	72.26 ft	0.16 PSU	120.00 ml/min
8/3/2023 3:14 PM	24:00	7.37 pH	20.13 °C	342.58 µS/cm	6.46 mg/L	0.07 NTU	115.3 mV	72.26 ft	0.17 PSU	120.00 ml/min
8/3/2023 3:18 PM	28:00	7.33 pH	20.26 °C	353.43 µS/cm	6.50 mg/L	0.12 NTU	115.3 mV	72.26 ft	0.17 PSU	120.00 ml/min
8/3/2023 3:22 PM	32:00	7.30 pH	20.32 °C	362.04 µS/cm	6.52 mg/L	0.08 NTU	115.4 mV	72.26 ft	0.17 PSU	120.00 ml/min
8/3/2023 3:26 PM	36:00	7.27 pH	20.29 °C	371.98 µS/cm	6.51 mg/L	0.11 NTU	115.7 mV	72.26 ft	0.18 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-20R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/4/2023 9:20:40 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: Meredith Duncan

Location Name: GWC-21R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 80.59 ft Total Depth: 90.59 ft Initial Depth to Water: 72.63 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 85.59 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.72 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:
Prepurged 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/4/2023 9:20 AM	00:00	6.83 pH	19.06 °C	572.90 µS/cm	4.07 mg/L	1.00 NTU	172.5 mV	74.55 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:24 AM	04:00	6.81 pH	19.42 °C	568.61 µS/cm	3.99 mg/L	0.82 NTU	168.1 mV	74.75 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:28 AM	08:00	6.80 pH	19.58 °C	569.30 µS/cm	4.01 mg/L	0.81 NTU	168.4 mV	75.00 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:32 AM	12:00	6.78 pH	19.69 °C	570.00 µS/cm	4.06 mg/L	0.58 NTU	169.1 mV	75.20 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:36 AM	16:00	6.77 pH	19.82 °C	570.01 µS/cm	4.13 mg/L	0.64 NTU	169.6 mV	75.35 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:40 AM	20:00	6.76 pH	19.82 °C	569.08 µS/cm	4.24 mg/L	0.66 NTU	170.2 mV	75.57 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:44 AM	24:00	6.76 pH	19.79 °C	569.59 µS/cm	4.39 mg/L	0.98 NTU	170.9 mV	75.78 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:48 AM	28:00	6.75 pH	19.87 °C	569.40 µS/cm	4.55 mg/L	0.64 NTU	171.0 mV	75.90 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:52 AM	32:00	6.74 pH	19.87 °C	569.07 µS/cm	4.71 mg/L	0.70 NTU	171.3 mV	76.06 ft	0.28 PSU	100.00 ml/min
8/4/2023 9:56 AM	36:00	6.73 pH	19.86 °C	569.32 µS/cm	4.87 mg/L	0.53 NTU	171.5 mV	76.20 ft	0.28 PSU	100.00 ml/min
8/4/2023 10:00 AM	40:00	6.73 pH	19.91 °C	569.31 µS/cm	5.00 mg/L	0.52 NTU	171.8 mV	76.35 ft	0.28 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-21R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/4/2023 9:56:34 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: William Laaker

Location Name: GWC-16R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 88.12 ft Total Depth: 98.12 ft Initial Depth to Water: 85.84 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 93.12 ft Estimated Total Volume Pumped: 160 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.81 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/3/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/4/2023 9:56 AM	00:00	6.81 pH	20.48 °C	532.62 µS/cm	6.81 mg/L	0.05 NTU	170.8 mV	86.53 ft	0.26 PSU	120.00 ml/min
8/4/2023 9:56 AM	00:20	6.82 pH	20.28 °C	529.27 µS/cm	6.84 mg/L		165.8 mV		0.26 PSU	120.00 ml/min
8/4/2023 9:57 AM	00:40	6.82 pH	20.03 °C	525.09 µS/cm	6.84 mg/L		161.3 mV		0.26 PSU	120.00 ml/min
8/4/2023 9:57 AM	01:00	6.82 pH	19.84 °C	528.78 µS/cm	6.86 mg/L		158.0 mV		0.26 PSU	120.00 ml/min
8/4/2023 9:57 AM	01:20	6.82 pH	19.67 °C	531.21 µS/cm	6.83 mg/L	0.03 NTU	155.7 mV	86.65 ft	0.26 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-16R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/4/2023 10:52:17 AM
Project: Plant Bowen LF Cells 3&4 July 2023
Operator Name: William Laaker

Location Name: GWC-18R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 130.1 ft Total Depth: 140.1 ft Initial Depth to Water: 84.08 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 135.1 ft Estimated Total Volume Pumped: 2240 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:
Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/4/2023 10:52 AM	00:00	7.39 pH	18.95 °C	283.11 µS/cm	7.23 mg/L	0.31 NTU	123.3 mV	84.11 ft	0.14 PSU	140.00 ml/min
8/4/2023 10:56 AM	04:00	7.39 pH	19.00 °C	282.88 µS/cm	7.23 mg/L	0.29 NTU	129.3 mV	84.11 ft	0.14 PSU	140.00 ml/min
8/4/2023 11:00 AM	08:00	7.40 pH	18.95 °C	282.31 µS/cm	7.17 mg/L	0.32 NTU	131.1 mV	84.11 ft	0.14 PSU	140.00 ml/min
8/4/2023 11:04 AM	12:00	7.39 pH	19.03 °C	282.97 µS/cm	7.23 mg/L	0.20 NTU	131.4 mV	84.11 ft	0.14 PSU	140.00 ml/min
8/4/2023 11:08 AM	16:00	7.39 pH	19.24 °C	282.78 µS/cm	7.20 mg/L	0.14 NTU	131.7 mV	84.11 ft	0.14 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-18R	Metals, Inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/4/2023 11:01:31 AM

Project: Plant Bowen LF Cells 3&4 July 2023

Operator Name: Meredith Duncan

Location Name: GWC-19R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 136.6 ft Total Depth: 146.6 ft Initial Depth to Water: 78.05 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 141.6 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/4/2023 11:01 AM	00:00	7.39 pH	23.71 °C	288.58 µS/cm	7.76 mg/L	2.00 NTU	170.8 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:05 AM	04:00	7.28 pH	20.67 °C	296.22 µS/cm	6.29 mg/L	0.95 NTU	171.0 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:09 AM	08:00	7.25 pH	20.35 °C	294.64 µS/cm	6.30 mg/L	1.20 NTU	173.1 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:13 AM	12:00	7.23 pH	20.18 °C	295.84 µS/cm	6.41 mg/L	0.70 NTU	174.2 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:17 AM	16:00	7.22 pH	20.40 °C	294.57 µS/cm	6.38 mg/L	0.90 NTU	174.9 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:21 AM	20:00	7.21 pH	20.40 °C	295.19 µS/cm	6.37 mg/L	1.02 NTU	175.3 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:25 AM	24:00	7.20 pH	20.69 °C	295.70 µS/cm	6.39 mg/L	0.78 NTU	175.7 mV	78.05 ft	0.14 PSU	100.00 ml/min
8/4/2023 11:29 AM	28:00	7.20 pH	20.46 °C	295.11 µS/cm	6.39 mg/L	0.76 NTU	176.2 mV	78.05 ft	0.14 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-19R	Metals, inorganics, Alkalinity, TDS

Low-Flow Test Report:

Test Date / Time: 8/7/2023 10:22:40 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 35.6 ft Total Depth: 45.6 ft Initial Depth to Water: 25.05 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 40.6 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/7/2023 10:22 AM	00:00	6.65 pH	20.22 °C	310.79 µS/cm	5.34 mg/L	5.10 NTU	172.9 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:26 AM	04:00	6.90 pH	19.86 °C	308.79 µS/cm	5.31 mg/L	9.40 NTU	159.6 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:30 AM	08:00	7.05 pH	19.67 °C	306.16 µS/cm	5.22 mg/L	8.70 NTU	158.4 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:34 AM	12:00	7.16 pH	19.83 °C	306.03 µS/cm	5.16 mg/L	7.49 NTU	156.2 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:38 AM	16:00	7.23 pH	19.96 °C	308.17 µS/cm	5.08 mg/L	7.19 NTU	156.5 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:42 AM	20:00	7.28 pH	19.78 °C	308.08 µS/cm	5.06 mg/L	5.66 NTU	157.1 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:46 AM	24:00	7.31 pH	20.00 °C	309.48 µS/cm	5.03 mg/L	4.87 NTU	156.4 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:50 AM	28:00	7.33 pH	20.05 °C	310.21 µS/cm	5.02 mg/L	3.94 NTU	156.8 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:54 AM	32:00	7.34 pH	20.53 °C	311.36 µS/cm	4.98 mg/L	3.72 NTU	157.6 mV	25.08 ft	0.15 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-27	Metals, App IV Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 10:56:10 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.7 ft Total Depth: 61.7 ft Initial Depth to Water: 28.42 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 56.7 ft Estimated Total Volume Pumped: 3640 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Fine white flaky sediment in water at the start of pumping.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 10:56 AM	00:00	7.09 pH	22.76 °C	278.39 µS/cm	0.82 mg/L	2.92 NTU	166.1 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:00 AM	04:00	7.26 pH	21.67 °C	276.46 µS/cm	0.45 mg/L	2.41 NTU	123.1 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:04 AM	08:00	7.34 pH	21.76 °C	277.48 µS/cm	0.42 mg/L	2.32 NTU	113.5 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:08 AM	12:00	7.40 pH	21.63 °C	279.00 µS/cm	0.42 mg/L	1.64 NTU	110.4 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:12 AM	16:00	7.44 pH	21.85 °C	276.25 µS/cm	0.42 mg/L	1.48 NTU	109.3 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:16 AM	20:00	7.46 pH	21.40 °C	279.71 µS/cm	0.46 mg/L	1.50 NTU	109.2 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:20 AM	24:00	7.46 pH	21.33 °C	281.87 µS/cm	0.48 mg/L	1.70 NTU	108.7 mV	28.43 ft	0.14 PSU	130.00 ml/min
8/7/2023 11:24 AM	28:00	7.48 pH	21.22 °C	279.84 µS/cm	0.49 mg/L	1.44 NTU	108.5 mV	28.43 ft	0.13 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-29	Metals, Inorganics, Alkalinity, TDS, Radium
FD-01	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 11:15:02 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Kevin Stephenson

Location Name: GWC-26 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.88 ft Total Depth: 41.88 ft Initial Depth to Water: 24.96 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 36.88 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 11:15 AM	00:00	7.17 pH	22.16 °C	315.27 µS/cm	5.24 mg/L	0.19 NTU	219.7 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:19 AM	04:00	7.29 pH	21.88 °C	315.99 µS/cm	5.20 mg/L	0.07 NTU	211.8 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:23 AM	08:00	7.35 pH	21.80 °C	315.77 µS/cm	5.15 mg/L	0.31 NTU	205.3 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:27 AM	12:00	7.40 pH	21.63 °C	316.74 µS/cm	5.10 mg/L	0.66 NTU	200.5 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:31 AM	16:00	7.41 pH	21.98 °C	319.11 µS/cm	4.97 mg/L	0.14 NTU	196.6 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:35 AM	20:00	7.41 pH	22.47 °C	322.46 µS/cm	4.78 mg/L	0.03 NTU	193.5 mV	24.98 ft	0.16 PSU	160.00 ml/min
8/7/2023 11:39 AM	24:00	7.41 pH	22.39 °C	328.49 µS/cm	4.63 mg/L	0.02 NTU	190.8 mV	24.98 ft	0.16 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-26	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 12:24:57 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-27R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.44 ft Total Depth: 92.44 ft Initial Depth to Water: 25.08 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 87.44 ft Estimated Total Volume Pumped: 12037.417 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.52 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/7/2023 12:24 PM	00:00	7.10 pH	25.67 °C	336.17 µS/cm	0.41 mg/L	4.49 NTU	-33.9 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:28 PM	04:00	7.10 pH	25.55 °C	336.53 µS/cm	0.39 mg/L	3.18 NTU	-39.9 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:32 PM	08:00	7.09 pH	25.88 °C	337.80 µS/cm	0.42 mg/L	2.43 NTU	-49.7 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:36 PM	12:00	7.09 pH	26.06 °C	332.39 µS/cm	0.49 mg/L	1.92 NTU	-55.3 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:40 PM	16:00	7.10 pH	26.11 °C	324.18 µS/cm	0.62 mg/L	1.81 NTU	-54.3 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:44 PM	20:00	7.08 pH	25.79 °C	321.32 µS/cm	0.78 mg/L	7.95 NTU	-48.6 mV	25.45 ft	0.15 PSU	100.00 ml/min
8/7/2023 12:48 PM	24:00	7.06 pH	25.43 °C	321.99 µS/cm	0.92 mg/L	4.62 NTU	-47.3 mV	25.48 ft	0.15 PSU	115.00 ml/min
8/7/2023 12:50 PM	25:43	7.06 pH	25.67 °C	321.80 µS/cm	0.95 mg/L	4.62 NTU	-107.8 mV	25.48 ft	0.15 PSU	115.00 ml/min
8/7/2023 12:54 PM	29:43	7.06 pH	25.34 °C	318.77 µS/cm	1.05 mg/L	6.82 NTU	-41.9 mV	25.48 ft	0.15 PSU	115.00 ml/min
8/7/2023 12:58 PM	33:43	7.06 pH	25.41 °C	318.76 µS/cm	1.19 mg/L	5.77 NTU	-41.3 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:02 PM	37:43	7.06 pH	25.46 °C	317.15 µS/cm	1.31 mg/L	5.43 NTU	-37.8 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:06 PM	41:43	7.08 pH	24.81 °C	314.55 µS/cm	1.50 mg/L	8.91 NTU	-34.9 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:10 PM	45:43	7.09 pH	25.08 °C	314.50 µS/cm	1.54 mg/L	3.86 NTU	-29.7 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:14 PM	49:43	7.10 pH	25.24 °C	313.29 µS/cm	1.62 mg/L	3.17 NTU	-32.3 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:18 PM	53:43	7.13 pH	24.92 °C	310.90 µS/cm	1.74 mg/L	2.77 NTU	-30.8 mV	25.52 ft	0.15 PSU	115.00 ml/min

8/7/2023 1:22 PM	57:43	7.13 pH	24.71 °C	310.42 µS/cm	1.84 mg/L	3.76 NTU	-25.4 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:26 PM	01:01:43	7.14 pH	24.44 °C	307.88 µS/cm	1.95 mg/L	7.51 NTU	-18.5 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:30 PM	01:05:43	7.14 pH	24.22 °C	306.72 µS/cm	2.03 mg/L	8.51 NTU	-17.1 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:34 PM	01:09:43	7.13 pH	24.51 °C	305.67 µS/cm	2.18 mg/L	6.70 NTU	-10.8 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:38 PM	01:13:43	7.12 pH	24.61 °C	305.49 µS/cm	2.28 mg/L	7.51 NTU	-10.3 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:42 PM	01:17:43	7.13 pH	24.18 °C	302.86 µS/cm	2.36 mg/L	6.68 NTU	-4.4 mV	25.53 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:46 PM	01:21:43	7.11 pH	24.45 °C	303.93 µS/cm	2.43 mg/L	8.45 NTU	-2.8 mV	25.53 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:50 PM	01:25:43	7.11 pH	24.50 °C	301.33 µS/cm	2.53 mg/L	7.20 NTU	-0.6 mV	25.53 ft	0.14 PSU	115.00 ml/min
8/7/2023 1:54 PM	01:29:43	7.17 pH	24.75 °C	301.19 µS/cm	3.13 mg/L	4.58 NTU	5.1 mV	25.55 ft	0.14 PSU	130.00 ml/min
8/7/2023 1:58 PM	01:33:43	7.17 pH	24.11 °C	301.89 µS/cm	2.89 mg/L	1.47 NTU	6.6 mV	25.60 ft	0.15 PSU	130.00 ml/min
8/7/2023 2:02 PM	01:37:43	7.15 pH	24.09 °C	302.65 µS/cm	2.74 mg/L	1.62 NTU	4.8 mV	25.60 ft	0.15 PSU	130.00 ml/min
8/7/2023 2:06 PM	01:41:43	7.15 pH	24.12 °C	300.29 µS/cm	2.94 mg/L	1.60 NTU	12.5 mV	25.60 ft	0.14 PSU	130.00 ml/min
8/7/2023 2:10 PM	01:45:43	7.18 pH	24.07 °C	298.30 µS/cm	2.99 mg/L	0.85 NTU	16.3 mV	25.60 ft	0.14 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-27R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 1:23:38 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWA-34R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 91.4 ft Total Depth: 101.4 ft Initial Depth to Water: 21.2 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 96.4 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 1:23 PM	00:00	6.66 pH	23.55 °C	366.21 µS/cm	0.48 mg/L	5.36 NTU	59.4 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:27 PM	04:00	6.52 pH	22.43 °C	371.84 µS/cm	0.28 mg/L	5.25 NTU	53.3 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:31 PM	08:00	6.47 pH	22.28 °C	371.82 µS/cm	0.22 mg/L	7.59 NTU	46.7 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:35 PM	12:00	6.46 pH	22.15 °C	370.65 µS/cm	0.20 mg/L	1.81 NTU	41.3 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:39 PM	16:00	6.46 pH	22.34 °C	371.87 µS/cm	0.19 mg/L	3.39 NTU	36.7 mV	21.26 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:43 PM	20:00	6.45 pH	21.94 °C	371.54 µS/cm	0.18 mg/L	3.16 NTU	33.6 mV	21.26 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:47 PM	24:00	6.45 pH	22.07 °C	370.95 µS/cm	0.17 mg/L	3.29 NTU	30.2 mV	21.26 ft	0.18 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-34R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 1:34:27 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Kevin Stephenson

Location Name: GWA-34 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.36 ft Total Depth: 68.36 ft Initial Depth to Water: 21.45 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 63.36 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 3 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 1:34 PM	00:00	6.10 pH	24.87 °C	196.41 µS/cm	0.16 mg/L	7.40 NTU	68.0 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:38 PM	04:00	6.08 pH	25.02 °C	198.12 µS/cm	0.15 mg/L	6.43 NTU	71.0 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:42 PM	08:00	6.10 pH	23.61 °C	196.32 µS/cm	0.14 mg/L	5.49 NTU	73.6 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:46 PM	12:00	6.08 pH	24.23 °C	198.57 µS/cm	0.13 mg/L	4.25 NTU	72.0 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:50 PM	16:00	6.08 pH	24.82 °C	198.45 µS/cm	0.12 mg/L	3.95 NTU	70.1 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:54 PM	20:00	6.07 pH	25.07 °C	197.77 µS/cm	0.12 mg/L	3.49 NTU	69.0 mV	21.49 ft	0.09 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWA-34	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2023 9:50:44 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWA-33R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.75 ft Total Depth: 112.75 ft Initial Depth to Water: 23.85 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 107.75 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/8/2023 9:50 AM	00:00	7.21 pH	19.97 °C	250.30 µS/cm	3.03 mg/L	5.96 NTU	154.8 mV	23.85 ft	0.12 PSU	150.00 ml/min
8/8/2023 9:54 AM	04:00	7.31 pH	19.82 °C	253.28 µS/cm	2.98 mg/L	8.31 NTU	145.5 mV	23.85 ft	0.12 PSU	150.00 ml/min
8/8/2023 9:58 AM	08:00	7.37 pH	19.65 °C	252.31 µS/cm	2.90 mg/L	8.63 NTU	145.7 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:02 AM	12:00	7.40 pH	19.55 °C	250.92 µS/cm	2.87 mg/L	7.39 NTU	147.3 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:06 AM	16:00	7.40 pH	19.66 °C	252.84 µS/cm	2.84 mg/L	6.64 NTU	147.9 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:10 AM	20:00	7.41 pH	20.03 °C	251.83 µS/cm	2.80 mg/L	5.79 NTU	149.3 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:14 AM	24:00	7.42 pH	19.73 °C	249.30 µS/cm	2.77 mg/L	3.95 NTU	150.7 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:18 AM	28:00	7.42 pH	19.55 °C	251.49 µS/cm	2.75 mg/L	4.46 NTU	151.7 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:22 AM	32:00	7.42 pH	19.79 °C	251.15 µS/cm	2.70 mg/L	3.91 NTU	152.8 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:26 AM	36:00	7.41 pH	19.85 °C	251.23 µS/cm	2.68 mg/L	2.80 NTU	153.3 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:30 AM	40:00	7.40 pH	20.06 °C	250.73 µS/cm	2.64 mg/L	2.29 NTU	153.3 mV	23.86 ft	0.12 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-33R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2023 10:32:42 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-28 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.33 ft Total Depth: 47.33 ft Initial Depth to Water: 24.14 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 42.33 ft Estimated Total Volume Pumped: 4840 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 4.36 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/8/2023 10:32 AM	00:00	7.29 pH	21.27 °C	282.23 µS/cm	1.34 mg/L	4.75 NTU	104.9 mV	26.91 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:36 AM	04:00	7.30 pH	21.12 °C	284.35 µS/cm	1.15 mg/L	3.30 NTU	113.7 mV	27.11 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:40 AM	08:00	7.30 pH	21.17 °C	289.29 µS/cm	0.88 mg/L	5.09 NTU	114.5 mV	27.37 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:44 AM	12:00	7.31 pH	21.15 °C	294.34 µS/cm	0.78 mg/L	5.81 NTU	115.8 mV	27.59 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:48 AM	16:00	7.31 pH	21.27 °C	302.14 µS/cm	0.65 mg/L	4.68 NTU	115.4 mV	27.77 ft	0.15 PSU	110.00 ml/min
8/8/2023 10:52 AM	20:00	7.32 pH	21.20 °C	307.40 µS/cm	0.64 mg/L	4.40 NTU	115.5 mV	27.93 ft	0.15 PSU	110.00 ml/min
8/8/2023 10:56 AM	24:00	7.32 pH	21.14 °C	313.99 µS/cm	0.60 mg/L	6.07 NTU	115.1 mV	28.07 ft	0.15 PSU	110.00 ml/min
8/8/2023 11:00 AM	28:00	7.31 pH	21.13 °C	323.69 µS/cm	0.59 mg/L	3.05 NTU	113.3 mV	28.19 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:04 AM	32:00	7.30 pH	21.32 °C	330.74 µS/cm	0.54 mg/L	2.18 NTU	109.4 mV	28.29 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:08 AM	36:00	7.30 pH	21.30 °C	339.15 µS/cm	0.51 mg/L	4.18 NTU	107.9 mV	28.37 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:12 AM	40:00	7.29 pH	21.36 °C	341.23 µS/cm	0.48 mg/L	4.05 NTU	105.5 mV	28.44 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:16 AM	44:00	7.30 pH	21.62 °C	346.14 µS/cm	0.44 mg/L	3.46 NTU	106.4 mV	28.50 ft	0.17 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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GWC-28

Metals, Inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2023 12:01:59 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWA-57 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.17 ft Total Depth: 81.17 ft Initial Depth to Water: 23.57 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 76.17 ft Estimated Total Volume Pumped: 15240 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.27 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/8/2023 12:01 PM	00:00	7.41 pH	21.39 °C	309.18 µS/cm	0.38 mg/L	2.32 NTU	84.5 mV	23.78 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:05 PM	04:00	7.41 pH	21.11 °C	312.06 µS/cm	0.27 mg/L	1.91 NTU	76.2 mV	23.79 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:09 PM	08:00	7.42 pH	20.76 °C	311.24 µS/cm	0.22 mg/L	2.52 NTU	66.4 mV	23.80 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:13 PM	12:00	7.43 pH	20.62 °C	310.83 µS/cm	0.19 mg/L	3.03 NTU	49.6 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:17 PM	16:00	7.43 pH	20.40 °C	312.19 µS/cm	0.18 mg/L	3.23 NTU	34.8 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:21 PM	20:00	7.40 pH	20.40 °C	317.79 µS/cm	0.17 mg/L	3.05 NTU	17.1 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:25 PM	24:00	7.35 pH	20.62 °C	318.54 µS/cm	0.16 mg/L	4.17 NTU	3.5 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:29 PM	28:00	7.33 pH	20.66 °C	319.47 µS/cm	0.15 mg/L	3.47 NTU	-2.6 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:33 PM	32:00	7.31 pH	20.98 °C	320.75 µS/cm	0.16 mg/L	4.38 NTU	-6.1 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:37 PM	36:00	7.31 pH	20.94 °C	319.01 µS/cm	0.15 mg/L	4.54 NTU	-10.1 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:41 PM	40:00	7.32 pH	20.62 °C	317.26 µS/cm	0.15 mg/L	4.28 NTU	-6.9 mV	23.81 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:45 PM	44:00	7.32 pH	20.42 °C	320.48 µS/cm	0.14 mg/L	3.58 NTU	-9.3 mV	23.82 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:49 PM	48:00	7.32 pH	20.54 °C	319.35 µS/cm	0.13 mg/L	4.37 NTU	-13.7 mV	23.82 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:53 PM	52:00	7.32 pH	20.64 °C	316.93 µS/cm	0.13 mg/L	4.76 NTU	-13.7 mV	23.82 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:57 PM	56:00	7.32 pH	20.36 °C	316.52 µS/cm	0.12 mg/L	5.18 NTU	-15.3 mV	23.82 ft	0.15 PSU	150.00 ml/min

8/8/2023 1:01 PM	01:00:00	7.33 pH	20.01 °C	318.49 µS/cm	0.11 mg/L	5.21 NTU	-15.8 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:05 PM	01:04:00	7.33 pH	20.02 °C	316.76 µS/cm	0.10 mg/L	4.59 NTU	-12.8 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:09 PM	01:08:00	7.33 pH	19.87 °C	318.35 µS/cm	0.10 mg/L	4.54 NTU	-16.6 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:13 PM	01:12:00	7.32 pH	20.00 °C	318.46 µS/cm	0.10 mg/L	5.03 NTU	-18.9 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:17 PM	01:16:00	7.32 pH	20.55 °C	319.17 µS/cm	0.10 mg/L	5.27 NTU	-21.3 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:21 PM	01:20:00	7.32 pH	20.40 °C	316.17 µS/cm	0.09 mg/L	4.44 NTU	-23.0 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:25 PM	01:24:00	7.32 pH	20.49 °C	317.52 µS/cm	0.09 mg/L	4.06 NTU	-25.3 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:29 PM	01:28:00	7.32 pH	20.50 °C	316.67 µS/cm	0.09 mg/L	4.49 NTU	-24.5 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:33 PM	01:32:00	7.32 pH	20.94 °C	318.78 µS/cm	0.09 mg/L	5.66 NTU	-31.5 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:37 PM	01:36:00	7.33 pH	21.02 °C	316.81 µS/cm	0.08 mg/L	5.41 NTU	-29.6 mV	23.84 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:41 PM	01:40:00	7.33 pH	20.73 °C	318.31 µS/cm	0.08 mg/L	4.66 NTU	-25.1 mV	23.84 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:45 PM	01:44:00	7.34 pH	20.64 °C	317.78 µS/cm	0.08 mg/L	3.54 NTU	-25.5 mV	23.84 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:49 PM	01:48:00	7.34 pH	20.46 °C	316.69 µS/cm	0.08 mg/L	2.76 NTU	-25.4 mV	23.84 ft	0.15 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-57	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2023 1:55:21 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 34.11 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 6920 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 7.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Lowered pump rate to 110 mL/min at 16:00 in attempt to stabilize drawdown and lower turbidity. DTW fell into screen interval.

Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/8/2023 1:55 PM	00:00	7.25 pH	19.98 °C	367.77 µS/cm	8.75 mg/L	9.10 NTU	100.6 mV	36.90 ft	0.18 PSU	130.00 ml/min
8/8/2023 1:59 PM	04:00	7.29 pH	19.84 °C	368.70 µS/cm	9.08 mg/L	7.80 NTU	110.2 mV	37.22 ft	0.18 PSU	130.00 ml/min
8/8/2023 2:03 PM	08:00	7.33 pH	19.76 °C	371.04 µS/cm	9.15 mg/L	6.24 NTU	113.6 mV	37.68 ft	0.18 PSU	130.00 ml/min
8/8/2023 2:07 PM	12:00	7.36 pH	19.69 °C	372.52 µS/cm	9.05 mg/L	6.06 NTU	115.8 mV	38.11 ft	0.18 PSU	130.00 ml/min
8/8/2023 2:11 PM	16:00	7.37 pH	20.09 °C	375.69 µS/cm	8.99 mg/L	5.59 NTU	117.3 mV	38.49 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:15 PM	20:00	7.39 pH	20.03 °C	375.64 µS/cm	8.71 mg/L	5.31 NTU	118.5 mV	38.83 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:19 PM	24:00	7.38 pH	20.11 °C	377.74 µS/cm	8.53 mg/L	4.99 NTU	119.7 mV	39.14 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:23 PM	28:00	7.39 pH	20.03 °C	379.60 µS/cm	8.40 mg/L	4.62 NTU	120.4 mV	39.44 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:27 PM	32:00	7.38 pH	19.93 °C	381.66 µS/cm	8.34 mg/L	4.22 NTU	121.7 mV	39.73 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:31 PM	36:00	7.38 pH	19.93 °C	382.47 µS/cm	8.22 mg/L	4.22 NTU	122.2 mV	40.00 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:35 PM	40:00	7.39 pH	19.95 °C	382.82 µS/cm	8.06 mg/L	4.09 NTU	122.5 mV	40.27 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:39 PM	44:00	7.38 pH	19.91 °C	383.38 µS/cm	7.97 mg/L	3.58 NTU	123.2 mV	40.54 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:43 PM	48:00	7.38 pH	20.02 °C	384.65 µS/cm	7.85 mg/L	3.59 NTU	123.7 mV	40.80 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:47 PM	52:00	7.37 pH	20.02 °C	386.81 µS/cm	7.74 mg/L	3.28 NTU	124.2 mV	41.06 ft	0.19 PSU	110.00 ml/min

8/8/2023 2:51 PM	56:00	7.36 pH	19.98 °C	387.72 μS/cm	7.60 mg/L	2.87 NTU	124.3 mV	41.16 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:55 PM	01:00:00	7.35 pH	19.93 °C	389.31 μS/cm	7.53 mg/L	2.46 NTU	125.1 mV	41.28 ft	0.19 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/9/2023 9:49:54 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 34.1 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.63 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/8/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/9/2023 9:49 AM	00:00	7.19 pH	19.18 °C	371.77 µS/cm	7.84 mg/L	0.64 NTU	181.2 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:50 AM	00:20	7.19 pH	19.12 °C	370.93 µS/cm	7.78 mg/L		175.6 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:50 AM	00:40	7.20 pH	19.00 °C	368.58 µS/cm	7.68 mg/L		170.3 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:50 AM	01:00	7.21 pH	18.95 °C	367.40 µS/cm	7.58 mg/L		165.9 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:51 AM	01:20	7.21 pH	18.86 °C	364.08 µS/cm	7.46 mg/L	0.64 NTU	162.5 mV	34.73 ft	0.18 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-30	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/9/2023 9:52:04 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-31R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.9 ft Total Depth: 108.9 ft Initial Depth to Water: 32.35 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 103.9 ft Estimated Total Volume Pumped: 10880 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 9:52 AM	00:00	7.01 pH	17.85 °C	324.15 µS/cm	4.05 mg/L	11.40 NTU	177.9 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 9:56 AM	04:00	7.02 pH	17.59 °C	328.01 µS/cm	3.77 mg/L	43.80 NTU	171.4 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:00 AM	08:00	7.04 pH	17.53 °C	334.34 µS/cm	3.56 mg/L	30.30 NTU	169.5 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:04 AM	12:00	7.05 pH	17.55 °C	338.34 µS/cm	3.36 mg/L	25.10 NTU	166.5 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:08 AM	16:00	7.06 pH	17.59 °C	338.04 µS/cm	3.32 mg/L	17.30 NTU	164.7 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:12 AM	20:00	7.07 pH	17.55 °C	339.27 µS/cm	3.16 mg/L	13.50 NTU	164.3 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:16 AM	24:00	7.07 pH	17.60 °C	339.46 µS/cm	3.04 mg/L	12.20 NTU	164.1 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:20 AM	28:00	7.07 pH	17.64 °C	339.37 µS/cm	3.02 mg/L	10.66 NTU	164.1 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:24 AM	32:00	7.07 pH	17.70 °C	338.54 µS/cm	2.99 mg/L	10.06 NTU	164.1 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:28 AM	36:00	7.07 pH	17.68 °C	338.78 µS/cm	2.96 mg/L	8.31 NTU	164.5 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:32 AM	40:00	7.07 pH	17.82 °C	338.74 µS/cm	2.96 mg/L	7.56 NTU	165.0 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:36 AM	44:00	7.07 pH	17.81 °C	338.39 µS/cm	2.95 mg/L	6.57 NTU	165.2 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:40 AM	48:00	7.07 pH	17.75 °C	338.57 µS/cm	3.00 mg/L	5.14 NTU	165.7 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:44 AM	52:00	7.07 pH	17.82 °C	337.80 µS/cm	3.02 mg/L	5.60 NTU	166.0 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:48 AM	56:00	7.08 pH	17.68 °C	337.31 µS/cm	3.03 mg/L	4.57 NTU	166.5 mV	32.35 ft	0.16 PSU	170.00 ml/min

8/9/2023 10:52 AM	01:00:00	7.08 pH	17.69 °C	337.68 μS/cm	3.02 mg/L	3.98 NTU	166.8 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:56 AM	01:04:00	7.08 pH	17.73 °C	336.96 μS/cm	3.05 mg/L	3.58 NTU	166.9 mV	32.35 ft	0.16 PSU	170.00 ml/min

Samples

Sample ID:	Description:
GWC-31R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/9/2023 11:49:58 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

<p>Location Name: GWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.2 ft Total Depth: 70.2 ft Initial Depth to Water: 32.41 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 65.2 ft Estimated Total Volume Pumped: 6560 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 893479</p>
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Test Notes:
Prepurged 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 11:49 AM	00:00	7.00 pH	20.06 °C	330.96 µS/cm	0.68 mg/L	38.70 NTU	-34.7 mV	32.41 ft	0.16 PSU	110.00 ml/min
8/9/2023 11:53 AM	04:00	6.98 pH	19.93 °C	334.65 µS/cm	0.52 mg/L	32.40 NTU	-69.7 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 11:57 AM	08:00	6.95 pH	18.86 °C	333.53 µS/cm	0.17 mg/L	26.60 NTU	-87.4 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:01 PM	12:00	6.92 pH	18.76 °C	335.65 µS/cm	0.14 mg/L	20.00 NTU	-93.4 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:05 PM	16:00	6.91 pH	18.54 °C	336.13 µS/cm	0.15 mg/L	13.10 NTU	-96.9 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:09 PM	20:00	6.91 pH	18.36 °C	336.68 µS/cm	0.12 mg/L	9.76 NTU	-97.1 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:13 PM	24:00	6.91 pH	18.35 °C	336.73 µS/cm	0.12 mg/L	7.12 NTU	-100.9 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:17 PM	28:00	6.91 pH	18.40 °C	337.54 µS/cm	0.12 mg/L	5.18 NTU	-104.9 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:21 PM	32:00	6.92 pH	18.62 °C	337.48 µS/cm	0.12 mg/L	4.57 NTU	-105.7 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:25 PM	36:00	6.93 pH	18.38 °C	337.50 µS/cm	0.11 mg/L	3.53 NTU	-107.2 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:29 PM	40:00	6.93 pH	18.40 °C	338.85 µS/cm	0.11 mg/L	2.25 NTU	-108.7 mV	32.41 ft	0.16 PSU	170.00 ml/min

Samples

Sample ID:	Description:
GWC-31	Metals, inorganics, Alkalinity, TDS, Radium

FD-02

Metals, inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 12:40:03 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 28.03 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 49520 ml Flow Cell Volume: 90 ml Final Flow Rate: 0 ml/min Final Draw Down: 68.69 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 8 L

Lowered pump rate to 100 mL/min at 3:12:00 in attempt to stabilize drawdown. At 3:52:00, MP50 died just short of the screen interval. MD to return to finish complete evac of well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/9/2023 12:40 PM	00:00	7.24 pH	18.20 °C	303.73 µS/cm	2.29 mg/L	1.96 NTU	124.0 mV	40.96 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:44 PM	04:00	7.24 pH	18.36 °C	303.50 µS/cm	2.28 mg/L	1.86 NTU	123.4 mV	41.73 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:48 PM	08:00	7.23 pH	18.20 °C	303.69 µS/cm	2.30 mg/L	1.93 NTU	122.6 mV	42.88 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:52 PM	12:00	7.23 pH	18.15 °C	303.36 µS/cm	2.32 mg/L	2.09 NTU	121.8 mV	44.01 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:56 PM	16:00	7.23 pH	18.26 °C	304.59 µS/cm	2.29 mg/L	1.73 NTU	119.7 mV	45.16 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:00 PM	20:00	7.24 pH	18.24 °C	303.56 µS/cm	2.32 mg/L	1.61 NTU	118.9 mV	46.38 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:04 PM	24:00	7.24 pH	18.15 °C	303.09 µS/cm	2.35 mg/L	1.70 NTU	119.7 mV	47.54 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:08 PM	28:00	7.23 pH	18.17 °C	304.94 µS/cm	2.40 mg/L	1.56 NTU	119.9 mV	48.63 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:12 PM	32:00	7.24 pH	18.18 °C	304.85 µS/cm	2.47 mg/L	1.70 NTU	120.1 mV	49.80 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:16 PM	36:00	7.24 pH	18.24 °C	305.11 µS/cm	2.53 mg/L	1.63 NTU	120.3 mV	50.84 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:20 PM	40:00	7.24 pH	18.12 °C	305.46 µS/cm	2.55 mg/L	1.59 NTU	120.0 mV	51.94 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:24 PM	44:00	7.24 pH	18.27 °C	306.56 µS/cm	2.58 mg/L	1.52 NTU	120.0 mV	53.02 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:28 PM	48:00	7.24 pH	18.38 °C	306.24 µS/cm	2.65 mg/L	1.13 NTU	119.4 mV	54.19 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:32 PM	52:00	7.24 pH	18.33 °C	305.98 µS/cm	2.76 mg/L	1.11 NTU	119.5 mV	55.26 ft	0.15 PSU	210.00 ml/min

8/9/2023 1:36 PM	56:00	7.24 pH	18.28 °C	305.69 µS/cm	2.86 mg/L	1.02 NTU	120.0 mV	56.30 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:40 PM	01:00:00	7.24 pH	18.33 °C	306.73 µS/cm	2.94 mg/L	1.48 NTU	120.3 mV	57.33 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:44 PM	01:04:00	7.24 pH	18.41 °C	306.31 µS/cm	3.00 mg/L	0.97 NTU	120.4 mV	58.35 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:48 PM	01:08:00	7.24 pH	18.36 °C	307.16 µS/cm	3.07 mg/L	0.98 NTU	120.9 mV	59.35 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:52 PM	01:12:00	7.25 pH	18.07 °C	307.46 µS/cm	3.11 mg/L	1.41 NTU	120.6 mV	60.47 ft	0.15 PSU	250.00 ml/min
8/9/2023 1:56 PM	01:16:00	7.25 pH	17.94 °C	307.21 µS/cm	3.21 mg/L	1.42 NTU	120.7 mV	61.78 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:00 PM	01:20:00	7.25 pH	18.08 °C	307.64 µS/cm	3.24 mg/L	1.35 NTU	120.6 mV	63.03 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:04 PM	01:24:00	7.25 pH	18.22 °C	308.16 µS/cm	3.21 mg/L	0.97 NTU	120.0 mV	64.30 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:08 PM	01:28:00	7.24 pH	18.19 °C	308.96 µS/cm	3.24 mg/L	0.59 NTU	120.2 mV	65.55 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:12 PM	01:32:00	7.24 pH	18.64 °C	310.28 µS/cm	3.22 mg/L	1.05 NTU	119.9 mV	66.81 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:16 PM	01:36:00	7.24 pH	18.41 °C	311.79 µS/cm	3.19 mg/L	1.72 NTU	121.2 mV	68.13 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:20 PM	01:40:00	7.24 pH	18.59 °C	311.79 µS/cm	3.18 mg/L	1.74 NTU	121.7 mV	69.30 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:24 PM	01:44:00	7.25 pH	18.46 °C	311.81 µS/cm	3.15 mg/L	1.10 NTU	120.9 mV	70.53 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:28 PM	01:48:00	7.24 pH	18.60 °C	312.17 µS/cm	3.14 mg/L	1.20 NTU	121.0 mV	71.81 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:32 PM	01:52:00	7.25 pH	18.42 °C	311.08 µS/cm	3.10 mg/L	1.07 NTU	121.5 mV	73.02 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:36 PM	01:56:00	7.25 pH	18.37 °C	312.55 µS/cm	3.07 mg/L	1.19 NTU	121.5 mV	74.21 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:40 PM	02:00:00	7.26 pH	18.02 °C	313.14 µS/cm	3.04 mg/L	0.58 NTU	121.4 mV	75.40 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:44 PM	02:04:00	7.26 pH	18.11 °C	313.90 µS/cm	3.01 mg/L	1.14 NTU	121.6 mV	76.56 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:48 PM	02:08:00	7.26 pH	18.06 °C	313.94 µS/cm	3.00 mg/L	1.12 NTU	122.1 mV	77.70 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:52 PM	02:12:00	7.26 pH	18.17 °C	314.61 µS/cm	2.97 mg/L	0.71 NTU	122.0 mV	78.92 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:56 PM	02:16:00	7.25 pH	18.43 °C	316.41 µS/cm	2.96 mg/L	0.78 NTU	121.3 mV	80.04 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:00 PM	02:20:00	7.26 pH	18.28 °C	315.68 µS/cm	2.91 mg/L	0.85 NTU	121.2 mV	81.15 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:04 PM	02:24:00	7.27 pH	18.06 °C	315.56 µS/cm	2.87 mg/L	0.77 NTU	121.6 mV	82.25 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:08 PM	02:28:00	7.26 pH	18.38 °C	316.50 µS/cm	2.86 mg/L	1.02 NTU	121.0 mV	83.33 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:12 PM	02:32:00	7.27 pH	18.33 °C	317.39 µS/cm	2.84 mg/L	1.04 NTU	121.8 mV	84.40 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:16 PM	02:36:00	7.26 pH	18.42 °C	319.34 µS/cm	2.89 mg/L	1.44 NTU	122.2 mV	85.46 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:20 PM	02:40:00	7.26 pH	19.01 °C	319.60 µS/cm	2.87 mg/L	1.64 NTU	121.6 mV	86.50 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:24 PM	02:44:00	7.28 pH	18.69 °C	317.38 µS/cm	2.86 mg/L	1.21 NTU	121.7 mV	87.53 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:28 PM	02:48:00	7.27 pH	18.79 °C	320.17 µS/cm	2.87 mg/L	1.33 NTU	121.6 mV	88.58 ft	0.15 PSU	250.00 ml/min

8/9/2023 3:32 PM	02:52:00	7.28 pH	18.89 °C	322.35 µS/cm	2.84 mg/L	1.52 NTU	121.2 mV	89.57 ft	0.16 PSU	250.00 ml/min
8/9/2023 3:36 PM	02:56:00	7.28 pH	19.21 °C	321.71 µS/cm	2.86 mg/L	1.70 NTU	121.4 mV	90.53 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:40 PM	03:00:00	7.29 pH	19.31 °C	320.29 µS/cm	2.88 mg/L	1.35 NTU	121.1 mV	91.52 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:44 PM	03:04:00	7.28 pH	19.44 °C	319.79 µS/cm	2.99 mg/L	1.58 NTU	120.4 mV	92.40 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:48 PM	03:08:00	7.29 pH	19.22 °C	317.71 µS/cm	2.99 mg/L	1.58 NTU	120.7 mV	93.30 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:52 PM	03:12:00	7.26 pH	19.88 °C	322.33 µS/cm	3.05 mg/L	1.06 NTU	120.9 mV	93.92 ft	0.16 PSU	100.00 ml/min
8/9/2023 3:56 PM	03:16:00	7.26 pH	20.64 °C	321.03 µS/cm	3.04 mg/L	1.68 NTU	119.9 mV	94.15 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:00 PM	03:20:00	7.25 pH	21.37 °C	320.55 µS/cm	3.11 mg/L	1.73 NTU	117.7 mV	94.41 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:04 PM	03:24:00	7.26 pH	21.46 °C	321.21 µS/cm	3.17 mg/L	1.25 NTU	116.6 mV	94.68 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:08 PM	03:28:00	7.27 pH	21.98 °C	321.57 µS/cm	3.17 mg/L	1.82 NTU	115.0 mV	94.93 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:12 PM	03:32:00	7.28 pH	21.95 °C	320.59 µS/cm	3.20 mg/L	0.69 NTU	114.5 mV	95.21 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:16 PM	03:36:00	7.27 pH	22.43 °C	318.71 µS/cm	3.22 mg/L	1.04 NTU	114.0 mV	95.47 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:20 PM	03:40:00	7.27 pH	22.25 °C	319.12 µS/cm	3.28 mg/L	1.11 NTU	113.8 mV	95.72 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:24 PM	03:44:00	7.29 pH	21.45 °C	317.08 µS/cm	3.36 mg/L	1.17 NTU	114.5 mV	96.00 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:28 PM	03:48:00	7.28 pH	21.87 °C	317.77 µS/cm	3.35 mg/L	0.98 NTU	114.9 mV	96.31 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:32 PM	03:52:00	7.30 pH	21.13 °C	315.87 µS/cm	3.33 mg/L	1.16 NTU	116.1 mV	96.65 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:36 PM	03:56:00	7.26 pH	21.31 °C	318.00 µS/cm	3.39 mg/L	1.45 NTU	116.0 mV	96.72 ft	0.15 PSU	0.00 ml/min
8/9/2023 4:40 PM	04:00:00	7.22 pH	23.56 °C	320.92 µS/cm	3.36 mg/L		115.9 mV		0.15 PSU	0.00 ml/min
8/9/2023 4:44 PM	04:04:00	7.20 pH	25.04 °C	321.71 µS/cm	3.33 mg/L		116.2 mV		0.15 PSU	0.00 ml/min
8/9/2023 4:48 PM	04:08:00	7.19 pH	26.10 °C	321.99 µS/cm	3.33 mg/L		116.5 mV		0.15 PSU	0.00 ml/min
8/9/2023 4:52 PM	04:12:00	7.18 pH	26.97 °C	322.20 µS/cm	3.32 mg/L		116.9 mV		0.16 PSU	0.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/9/2023 2:46:19 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.66 ft Total Depth: 62.66 ft Initial Depth to Water: 41.45 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.66 ft Estimated Total Volume Pumped: 5760 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 4.6 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 2:46 PM	00:00	6.81 pH	20.59 °C	456.37 µS/cm	0.41 mg/L	2.18 NTU	-13.4 mV	43.70 ft	0.22 PSU	120.00 ml/min
8/9/2023 2:50 PM	04:00	6.79 pH	20.53 °C	454.78 µS/cm	0.36 mg/L	1.93 NTU	-37.0 mV	44.02 ft	0.22 PSU	120.00 ml/min
8/9/2023 2:54 PM	08:00	6.84 pH	20.40 °C	451.91 µS/cm	0.32 mg/L	1.49 NTU	-36.4 mV	44.26 ft	0.22 PSU	120.00 ml/min
8/9/2023 2:58 PM	12:00	6.84 pH	20.49 °C	451.22 µS/cm	0.30 mg/L	1.06 NTU	-35.9 mV	44.54 ft	0.22 PSU	120.00 ml/min
8/9/2023 3:02 PM	16:00	6.84 pH	20.47 °C	446.89 µS/cm	0.28 mg/L	1.39 NTU	-35.1 mV	44.75 ft	0.22 PSU	120.00 ml/min
8/9/2023 3:06 PM	20:00	6.81 pH	20.42 °C	444.81 µS/cm	0.28 mg/L	1.21 NTU	-38.1 mV	44.99 ft	0.22 PSU	120.00 ml/min
8/9/2023 3:10 PM	24:00	6.86 pH	21.07 °C	440.91 µS/cm	0.27 mg/L	0.30 NTU	-42.7 mV	45.20 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:14 PM	28:00	6.84 pH	20.56 °C	435.44 µS/cm	0.27 mg/L	0.63 NTU	-36.9 mV	45.32 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:18 PM	32:00	6.83 pH	20.95 °C	434.35 µS/cm	0.28 mg/L	0.94 NTU	-41.8 mV	45.52 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:22 PM	36:00	6.83 pH	21.16 °C	435.39 µS/cm	0.28 mg/L	182.00 NTU	-42.5 mV	45.65 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:26 PM	40:00	6.80 pH	20.65 °C	432.59 µS/cm	0.32 mg/L	1.60 NTU	-35.6 mV	45.81 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:30 PM	44:00	6.81 pH	20.49 °C	432.34 µS/cm	0.38 mg/L	1.11 NTU	-35.0 mV	45.95 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:34 PM	48:00	6.85 pH	21.16 °C	429.80 µS/cm	0.48 mg/L	0.96 NTU	-37.2 mV	46.05 ft	0.21 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-32	Metals, inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 5:55:40 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 94.85 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 7760 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 4.87 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 1L

Complete evacuation initiated

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 5:55 PM	00:00	7.63 pH	21.21 °C	296.48 µS/cm	4.65 mg/L	0.32 NTU	108.8 mV	95.17 ft	0.14 PSU	140.00 ml/min
8/9/2023 5:59 PM	04:00	7.58 pH	19.70 °C	303.95 µS/cm	4.15 mg/L	0.63 NTU	133.5 mV	95.60 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:03 PM	08:00	7.57 pH	18.91 °C	309.02 µS/cm	3.54 mg/L	0.77 NTU	138.7 mV	96.09 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:07 PM	12:00	7.57 pH	18.71 °C	310.29 µS/cm	3.31 mg/L	0.07 NTU	140.1 mV	96.80 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:11 PM	16:00	7.56 pH	18.55 °C	310.14 µS/cm	3.27 mg/L	0.37 NTU	141.8 mV	97.36 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:15 PM	20:00	7.55 pH	18.63 °C	310.45 µS/cm	3.20 mg/L	1.71 NTU	144.4 mV	97.90 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:19 PM	24:00	7.53 pH	18.74 °C	310.95 µS/cm	3.12 mg/L	0.88 NTU	145.4 mV	98.55 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:23 PM	28:00	7.52 pH	18.62 °C	311.21 µS/cm	3.11 mg/L	1.07 NTU	147.0 mV	99.15 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:27 PM	32:00	7.51 pH	18.71 °C	312.18 µS/cm	3.13 mg/L	1.16 NTU	149.4 mV	99.51 ft	0.15 PSU	250.00 ml/min
8/9/2023 6:31 PM	36:00	7.53 pH	17.95 °C	319.83 µS/cm	2.93 mg/L	1.04 NTU	151.5 mV	99.70 ft	0.15 PSU	250.00 ml/min
8/9/2023 6:35 PM	40:00	7.55 pH	18.70 °C	339.41 µS/cm	2.46 mg/L	5.07 NTU	153.3 mV	99.72 ft	0.16 PSU	250.00 ml/min
8/9/2023 6:39 PM	44:00	7.57 pH	20.61 °C	342.32 µS/cm	2.47 mg/L	5.54 NTU	152.8 mV	99.72 ft	0.17 PSU	250.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/10/2023 11:05:26 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 66.54 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 133.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Full evacuation complete

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/10/2023 11:05 AM	00:00	7.47 pH	21.96 °C	327.21 µS/cm	7.18 mg/L	3.25 NTU	194.6 mV	66.54 ft	0.16 PSU	100.00 ml/min
8/10/2023 11:05 AM	00:20	7.48 pH	21.90 °C	322.94 µS/cm	7.11 mg/L		190.2 mV	66.54 ft	0.16 PSU	100.00 ml/min
8/10/2023 11:06 AM	00:40	7.48 pH	21.82 °C	321.86 µS/cm	7.07 mg/L		189.8 mV	66.54 ft	0.15 PSU	100.00 ml/min
8/10/2023 11:06 AM	01:00	7.48 pH	21.76 °C	322.74 µS/cm	7.06 mg/L		189.0 mV	66.54 ft	0.16 PSU	100.00 ml/min
8/10/2023 11:06 AM	01:20	7.48 pH	21.69 °C	322.18 µS/cm	7.03 mg/L		188.7 mV	66.54 ft	0.16 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-29R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/10/2023 11:36:56 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWA-35 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.62 ft Total Depth: 68.62 ft Initial Depth to Water: 45.46 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 63.62 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/10/2023 11:36 AM	00:00	7.32 pH	18.77 °C	451.75 µS/cm	0.70 mg/L	0.26 NTU	129.7 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:40 AM	04:00	7.35 pH	18.79 °C	455.65 µS/cm	0.65 mg/L	0.27 NTU	127.9 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:44 AM	08:00	7.35 pH	18.75 °C	455.95 µS/cm	0.70 mg/L	0.06 NTU	127.3 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:48 AM	12:00	7.35 pH	18.81 °C	457.16 µS/cm	0.73 mg/L	0.22 NTU	127.5 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:52 AM	16:00	7.34 pH	18.94 °C	456.88 µS/cm	0.73 mg/L	0.05 NTU	124.7 mV	45.67 ft	0.22 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-35	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 9/25/2023 10:21:30 AM

Project: Plant Bowen LF Re-Sample September 2023

Operator Name: Meredith Duncan

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft Initial Depth to Water: 40.75 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.15 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Water level started below screen and dropped below pump, full evacuation performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
9/25/2023 10:21 AM	00:00	7.33 pH	19.35 °C	1,077.5 µS/cm	6.60 mg/L	2.31 NTU	18.3 mV	40.90 ft	0.60 PSU	100.00 ml/min
9/25/2023 10:25 AM	04:00	7.02 pH	19.29 °C	915.21 µS/cm	1.91 mg/L	2.96 NTU	-47.0 mV		0.51 PSU	100.00 ml/min
9/25/2023 10:29 AM	08:00	7.01 pH	18.68 °C	873.63 µS/cm	1.02 mg/L	1.73 NTU	-57.1 mV		0.48 PSU	100.00 ml/min
9/25/2023 10:33 AM	12:00	7.01 pH	17.94 °C	872.11 µS/cm	0.75 mg/L	1.42 NTU	-57.1 mV		0.48 PSU	100.00 ml/min
9/25/2023 10:37 AM	16:00	7.00 pH	17.84 °C	874.97 µS/cm	0.55 mg/L	1.23 NTU	-51.3 mV		0.48 PSU	100.00 ml/min
9/25/2023 10:41 AM	20:00	6.99 pH	17.85 °C	876.39 µS/cm	0.45 mg/L	2.17 NTU	-45.7 mV		0.48 PSU	100.00 ml/min
9/25/2023 10:45 AM	24:00	6.99 pH	17.85 °C	877.31 µS/cm	0.43 mg/L	2.43 NTU	-40.0 mV		0.49 PSU	100.00 ml/min
9/25/2023 10:49 AM	28:00	6.99 pH	17.86 °C	879.93 µS/cm	0.44 mg/L	1.98 NTU	-37.2 mV		0.49 PSU	100.00 ml/min
9/25/2023 10:53 AM	32:00	7.00 pH	17.99 °C	881.61 µS/cm	0.42 mg/L	0.85 NTU	-36.5 mV		0.49 PSU	100.00 ml/min
9/25/2023 10:57 AM	36:00	7.02 pH	17.68 °C	878.04 µS/cm	0.35 mg/L	0.82 NTU	-38.6 mV		0.49 PSU	100.00 ml/min
9/25/2023 11:01 AM	40:00	7.03 pH	17.31 °C	882.88 µS/cm	0.26 mg/L	1.22 NTU	-37.8 mV		0.49 PSU	100.00 ml/min
9/25/2023 11:05 AM	44:00	7.04 pH	17.47 °C	886.65 µS/cm	0.21 mg/L	1.17 NTU	-39.2 mV		0.49 PSU	100.00 ml/min
9/25/2023 11:09 AM	48:00	7.05 pH	17.41 °C	891.67 µS/cm	0.22 mg/L	1.12 NTU	-37.4 mV		0.49 PSU	100.00 ml/min

Samples

Sample ID:	Description:
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Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 9/26/2023 10:59:01 AM

Project: Plant Bowen LF Re-Sample September 2023

Operator Name: Meredith Duncan

Location Name: GWC-23R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 39.57 ft Total Depth: 49.57 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 44.57 ft Estimated Total Volume Pumped: 166.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 5.8L

Water level began below pump

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
9/26/2023 10:59 AM	00:00	7.14 pH	20.84 °C	799.09 µS/cm	1.95 mg/L	1.88 NTU	-23.5 mV		0.44 PSU	100.00 ml/min
9/26/2023 10:59 AM	00:20	7.13 pH	20.74 °C	795.50 µS/cm	1.85 mg/L		-14.6 mV		0.44 PSU	100.00 ml/min
9/26/2023 10:59 AM	00:40	7.13 pH	20.61 °C	790.69 µS/cm	1.75 mg/L		-13.0 mV		0.43 PSU	100.00 ml/min
9/26/2023 11:00 AM	01:00	7.13 pH	20.44 °C	786.95 µS/cm	1.68 mg/L		-10.9 mV		0.43 PSU	100.00 ml/min
9/26/2023 11:00 AM	01:20	7.13 pH	20.31 °C	785.40 µS/cm	1.61 mg/L		-10.6 mV		0.43 PSU	100.00 ml/min
9/26/2023 11:00 AM	01:40	7.12 pH	20.21 °C	780.13 µS/cm	1.55 mg/L		-9.4 mV		0.43 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-23R	TDS
FD-01	TDS

Low-Flow Test Report:

Test Date / Time: 9/26/2023 12:13:00 PM

Project: Plant Bowen LF Re-Sample September 2023

Operator Name: Meredith Duncan

Location Name: GWC-48 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 49.49 ft Total Depth: 59.49 ft Initial Depth to Water: 39.59 ft	Pump Type: QED dedicated Tubing Type: LDPE Pump Intake From TOC: 54.49 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
9/26/2023 12:13 PM	00:00	4.99 pH	21.41 °C	67.60 µS/cm	4.43 mg/L	0.29 NTU	93.3 mV	39.68 ft	0.03 PSU	160.00 ml/min
9/26/2023 12:17 PM	04:00	4.88 pH	19.64 °C	70.62 µS/cm	3.42 mg/L	0.03 NTU	73.5 mV	39.68 ft	0.04 PSU	160.00 ml/min
9/26/2023 12:21 PM	08:00	4.86 pH	19.46 °C	72.93 µS/cm	3.09 mg/L	0.18 NTU	67.9 mV	39.69 ft	0.04 PSU	160.00 ml/min
9/26/2023 12:25 PM	12:00	4.87 pH	19.32 °C	73.48 µS/cm	2.86 mg/L	0.17 NTU	62.5 mV	39.69 ft	0.04 PSU	160.00 ml/min
9/26/2023 12:29 PM	16:00	4.88 pH	19.24 °C	73.14 µS/cm	2.82 mg/L	0.34 NTU	59.5 mV	39.70 ft	0.04 PSU	160.00 ml/min
9/26/2023 12:33 PM	20:00	4.89 pH	19.28 °C	71.91 µS/cm	2.80 mg/L	0.19 NTU	57.5 mV	39.70 ft	0.04 PSU	160.00 ml/min
9/26/2023 12:37 PM	24:00	4.91 pH	19.24 °C	70.68 µS/cm	2.81 mg/L	0.09 NTU	55.8 mV	39.70 ft	0.04 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-48	Mercury, Chloride
FD-01	Mercury, Chloride

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Lecker</u>	Date: <u>7/25/23</u>	Time (Calibration): <u>8:35</u>	Time (Mid-day Check): <u>16:20</u>
Appt/Tool SN: <u>789310</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>9429-4417</u>	
Project: <u>July 2023 LF Semi</u>	Weather Conditions: <u>91°/66° sunny</u>		

Calibration Log

	Standard Lot # (Date of Expiration)	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated in salt)				92.00	
Specific Conductance (uS/cm)	22250153 11/23	22.35	4490	4449.8	
pH (4)	22250153 11/23	22.52	4	4.12	
pH (7)	2216893 11/23	22.92	7	7.11	
pH (10)	21320202 12/23	22.90	10	10.10	
ORP (mV)	21390144 11/23	23.06	228	222.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.17	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.21	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.94	4	4.03	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.18	7	7.02	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.07	10	9.81	±0.1 SU	Yes	No	

Field Technician: Meredith Duncan	Date: 7/25/23	Time (Calibration): 0840	Time (Mid-Day Check): 1712
Asset/Tool/SN: 893479	Turbidity Meter Type: la motte	SN: 4453-4417	
Process: Bowen LF	Water Condition: 80° Hot		

Calibration Log

	Standard Lot #/Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Tpt, 100% water saturated air sat)				101.38	
Specific Conductance (µS/cm)	22250153 11/23	22.76	4490	4488.6	
pH (4)	22250153 11/23	22.87	4	4.12	
pH (7)	2216893 11/23	22.72	7	7.15	
pH (10)	21320202 12/23	22.81	10	10.13	
ORP (mV)	21390144 11/23	22.65	228	221.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.82	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.65	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	30.20	4	3.97	±0.1 SU	Yes	No	
Mid-Day pH (7) check	29.64	7	7.94	±0.1 SU	Yes	No	
Mid-Day pH (10) check	29.34	10	9.95	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kerwin Stephenson</u>	Date: <u>7/26/23</u>	Time (Calibration): <u>1122</u>	Time (Mid-day Check):
Asset/Tool ID: <u>789317</u>	Factory Meter Type: <u>LaMotte 2020</u>	SN: <u>9429-4417</u>	
Project: <u>Landfill SA</u>	Water Condition: <u>95°/70°, 20%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sat, 100% water saturated air sat)				<u>92.16%</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>26.88</u>	490	<u>4517.4</u>	
pH (4)	22250153 11/23	<u>27.27</u>	4	<u>3.98</u>	
pH (7)	2216893 11/23	<u>27.05</u>	7	<u>7.02</u>	
pH (10)	21320202 12/23	<u>27.19</u>	10	<u>9.95</u>	
ORP (mV)	21390144 11/23	<u>27.01</u>	228	<u>221.6</u> 221.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.0</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>1.04</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>9.54</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>35.85</u>	4	<u>4.09</u>	±0.1 (SI)	Yes	<input checked="" type="radio"/> No	
Mid-Day pH (7) check	<u>35.47</u>	7	<u>7.16</u>	±0.1 (SI)	Yes	<input checked="" type="radio"/> No	
Mid-Day pH (10) check	<u>36.21</u>	10	<u>10.05</u>	±0.1 (SI)	Yes	<input checked="" type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lanter	Date: 7/26/23	Time (Calibration): 11:56	Time (Mid-day Check): 16:20
Asset/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SV: 9429-4417	
Project: July 2023 LF Semi	Weather Conditions: 94°/70° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Hgt. 100% water saturated air sat)				103.76	
Specific Conductance (uS/cm)	24000044 05/24	27.00	4490	4511.8	
pH (4)	24000044 05/24	27.23	4	3.96	
pH (7)	22290139 04/24	26.83	7	6.97	
pH (10)	22110130 04/24	26.65	10	9.93	
ORP (mV)	24002258 06/24	26.59	228	224.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	— 0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.98	— 0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.34	— 0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid Day pH (4) check	33.02	4	4.02	— 0.50	Yes	No	
Mid Day pH (7) check	32.18	7	7.03	— 0.50	Yes	No	
Mid Day pH (10) check	32.02	10	9.95	— 0.50	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Durca	Date: 7/26/23	Time (Calibration): 0825	Time (Field Check): 1540
AquaTroll SN: 893479	Turbidity Meter Type: la molle	SN: 9453-4417	
Project: Bowen LF	Weather Conditions: 78°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				100.07	
Specific Conductance (µS/cm)	24000044 05/24	23.62	4490	4504.0	
pH (4)	24000044 05/24	23.8	4	4.09	
pH (7)	22290139 04/24	24.16	7	7.12	
pH (10)	22110130 04/24	24.34	10	10.18	
ORP (mV)	24002258 06/24	24.38	228	225.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.05	-0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.99	-0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	34.46	4	3.92	-0.1 SU	Yes	No	
Mid-Day pH (7) check	34.35	7	6.91	-0.1 SU	Yes	No	
Mid-Day pH (10) check	35.29	10	9.81	-0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duran	Date: 7/27/23	Time (Calibration): 0820	Time (Mid-day Check): 1640
Instrument ID: 893479	Turbidity Meter Type: la motte	SN: 9429-4417	
Project: Bowen LF	Weather Conditions: 75°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				99.37	
Specific Conductance (µS/cm)	2400044 05/24	24.33	4490	4483.3	
pH (4)	2400044 05/24	24.44	4	3.97	
pH (7)	22190139 04/24	24.67	7	7.04	
pH (10)	22110130 04/24	24.57	10	10.04	
ORP (mV)	24002258 06/24	24.24	228	229.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.71	-0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.24	-0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	32.62	4	4.13	-0.1 SU	Yes	No	
Mid-Day pH (7) check	33.07	7	7.03	-0.1 SU	Yes	No	
Mid-Day pH (10) check	32.98	10	9.86	-0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevia Stephenson</u>	Date: <u>7/27/23</u>	Time (Calibration): <u>09:16</u>	Time (Mid-day Check):
Agar/Tran ID: <u>788317</u>	Vehicle Make/Type: <u>Lexus 2020</u>	Site: <u>9429-4417</u>	
Project: <u>Bowen LF SA</u>	Weather Conditions: <u>95°/72°, 0%</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eq. 100% water saturated air cal)				<u>108.38</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>23.82</u>	4490	<u>4,512.3</u>	
pH (4)	22250153 11/23	<u>24.14</u>	4	<u>4.01</u>	
pH (7)	2216893 11/23	<u>24.32</u>	7	<u>7.05</u>	
pH (10)	21320202 12/23	<u>24.47</u>	10	<u>10.02</u>	
ORP (mV)	21390144 11/23	<u>24.56</u>	228	<u>229.2</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.01</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>.89</u>	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>9.81</u>	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>29.15</u>	4	<u>4.11</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<u>28.91</u>	7	<u>7.15</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No	
Mid-Day pH (10) check	<u>29.14</u>	10	<u>10.15</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 7/27/23	Time of Calibration: 8:38	Time (Multiple Checks): 14:20
Asset/ID No: 789310	Factory Model Type: LaMotte 2020	SN: 9453-4417	
Project: July 2023 LF Semi	Weather Conditions: 95°/72° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp, 100% water saturated air sat)				100.13	
Specific Conductance (µS/cm)	24000044 05/24	24.19	4490	4483.0	
pH (4)	24000044 05/24	24.41	4	4.06	
pH (7)	22290139 04/24	25.13	7	7.06	
pH (10)	22110130 04/24	25.30	10	10.03	
ORP (mV)	24002258 06/24	25.31	228	228.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity (NTU)	0	0.01	-0.5 NTU	Yes	No	
Turbidity (1 NTU)	1	0.93	-0.5 NTU	No	No	
Turbidity (10 NTU)	10	9.71	-0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid Day pH (4) check	30.06	4	4.01	-0.1 SU	Yes	No	
Mid Day pH (7) check	29.90	7	7.02	-0.1 SU	Yes	No	
Mid Day pH (10) check	30.30	10	9.94	-0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Dawson	Date: 7/27/23	Time of Calibration: 0820	Time (Mid-Day Check): 1640
Asset/Field SN: 893479	Turbidity Meter Type: la motte	9429-4417	
Model: Bower LF	Weather Conditions: 75°		

Calibration Log

	Standard Lot #: (Date of Expiration)	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Opt. 100% water saturated air cal)				99.37	
Specific Conductance (µS/cm)	24000044 05/24	24.33	4490	4483.3	
pH (6)	24000044 05/24	24.44	4	3.97	
pH (7)	22290139 04/24	24.67	7	7.04	
pH (10)	22110130 04/24	24.57	10	10.04	
ORP (mV)	24092258 06/24	24.24	228	229.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.71	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.24	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	32.62	4	4.13	±0.1 SU	Yes	No	
Mid-Day pH (7) check	33.07	7	7.03	±0.1 SU	Yes	No	
Mid-Day pH (10) check	32.98	10	9.86	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacher	Date: 7/28/23	Time of Arrival: 8:17	Time (Mid-day Check): 12:45
Asset/ID #: 789310	Turbidity Meter Type: LaMotte 2020	ID: 9429-4417	
Project: July 2023 LF Semi	Weather Conditions: 93°/73° sunny		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				103.69	
Specific Conductance (µS/cm)	24000044 05/24	26.63	4490	458738	
pH (4)	24000044 05/24	26.91	4	3.98	
pH (7)	22290139 04/24	27.51	7	2/0 6.99	
pH (10)	22110130 04/24	27.74	10	10.01	
ORP (mV)	24002258 06/24	27.64	218	222.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.95	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.28	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	28.62	4	4.02	±0.1 SU	Yes	No	
Mid-Day pH (7) check	28.36	7	7.04	±0.1 SU	Yes	No	
Mid-Day pH (10) check	28.05	10	9.93	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Meredith Duran</u>	Date: <u>7/28/23</u>	Time (Calibration): <u>0820</u>	Time (Mid-day Check): <u>1313</u>
Apparatus ID: <u>89347.9</u>	Turbidity Meter Type: <u>10 mlite</u>	SN: <u>7007-1416</u>	
From: <u>Bowen LF</u>	Water Condition: <u>80°</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				<u>99.63</u>	
Specific Conductance (µS/cm)	<u>24000044 05/24</u>	<u>25.02</u>	<u>4490</u>	<u>4488.8</u>	
pH (4)	<u>24000044 05/24</u>	<u>25.04</u>	<u>4</u>	<u>4.02</u>	
pH (7)	<u>22290139 04/24</u>	<u>24.70</u>	<u>7</u>	<u>7.01</u>	
pH (10)	<u>22110130 04/24</u>	<u>25.10</u>	<u>10</u>	<u>10.02</u>	
ORP (mV)	<u>24002258 06/24</u>	<u>25.74</u>	<u>228</u>	<u>226.7</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<u>0</u>	<u>0.03</u>	<u>~0.2 NTU</u>	Yes	No	
Turbidity 1 NTU	<u>1</u>	<u>1.03</u>	<u>~0.5 NTU</u>	Yes	No	
Turbidity 10 NTU	<u>10</u>	<u>9.54</u>	<u>~0.5 NTU</u>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>29.3</u>	<u>4</u>	<u>3.99</u>	<u>~0.1 SD</u>	Yes	No	
Mid-Day pH (7) check	<u>29.58</u>	<u>7</u>	<u>6.86</u>	<u>~0.1 SD</u>	Yes	No	
Mid-Day pH (10) check	<u>30.72</u>	<u>10</u>	<u>9.70</u>	<u>~0.1 SD</u>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lager	Date: 7/31/23	Time (Calibration): 8:50	Time (Mid-day Check): 16:20
Asset/Tool No: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9429-4417	
Project: July 2023 LF Semi	Weather Conditions: 91°/67° sunny		

Calibration Log

	Standard Lot # - Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(Eq. 100% water saturated air sat)</small>				98.93	
Specific Conductance (µS/cm)	24000044 05/24	24.26	4490	4410.2	
pH (4)	24000044 05/24	24.23	4	4.02	
pH (7)	22290139 04/24	24.46	7	6.99	
pH (10)	22110130 04/24	24.64	10	9.98	
ORP (mV)	24002258 06/24	24.56	228	233.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.99	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.10	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	33.28	4	4.00	±0.1 SU	Yes	No	
Mid-Day pH (7) check	33.05	7	7.02	±0.1 SU	Yes	No	
Mid-Day pH (10) check	33.92	10	9.90	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 7/31/23	Time (Calibration): 0830	Time (Mid-day Check): 1630
Apparatus ID: 893479	Turbidity Meter Type: la Motte	SN: 7007-1416	
Project: Bowen LF	Water Condition: 75°		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading in Calibration	Comments
DO (%) (Sp. 100% water saturated air sat)				100.10	
Specific Conductance (µS/cm)	24000044 05/24	23.39	4499	4505.2	
pH (4)	24000044 05/24	23.51	4	4.01	
pH (7)	22290139 04/24	23.63	7	7.63	
pH (10)	22110130 04/24	23.70	10	10.01	
ORP (mV)	24002258 06/24	23.75	228	231.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.05	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.77	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.53	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid Day pH (4) check	33.21	4	3.99	±0.1 SU	Yes	No	
Mid Day pH (7) check	32.89	7	6.92	±0.1 SU	Yes	No	
Mid Day pH (10) check	31.45	10	9.89	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stojanovich</u>	Date: <u>8/1/23</u>	Instrument Calibration: <u>0854</u>	Time of Day Check:
AquaTrol SN: <u>789317</u>	Turbidity Meter Type: <u>Lamotte 2020</u>	SN: <u>9429-4417</u>	
Project: <u>Rocky Mts</u>	Water Conditions: <u>910/680, 09/0</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				96.97	
Specific Conductance (µS/cm)	22250153 11/23	24.14	4490	4529.6	
pH (4)	22250153 11/23	24.37	4	4.01	
pH (7)	2216893 11/23	24.85	7	6.98	
pH (10)	21320202 12/23	24.87	10	10.02	
ORP (mV)	21390144 11/23	24.87	228	227.8	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	.14	±0.0 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	.72	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	10.18	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	28.58	4	4.11	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	28.16	7	7.18	±0.1 SU	<input checked="" type="radio"/> Yes	<input checked="" type="radio"/> No	
Mid-Day pH (10) check	28.73	10	10.07	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

Field Technician: William Laaker	Date: 8/1/23	Time (Calibration): 9:15	Time (Mid-day Check): 15:15
Asset/ID #: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: July 2023 LF Semi	Weather Conditions: 90°/68° sunny		

Calibration Log

	Standard Lot #: Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp. 100% water saturated air sat)				103.21	
Specific Conductance (uS/cm)	14000044 05/24	25.72	4490	4533.5	
pH (6)	14000044 05/24	25.90	4	3.99	
pH (7)	12290139 04/24	26.49	7	7.00	
pH (10)	12110130 04/24	26.71	10	9.98	
ORP (mV)	14002258 06/24	26.25	228	226.0	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	0-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.84	0-1.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.83	0-15 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	32.42	4	4.04	0-1.50	Yes	No	
Mid-Day pH (7) check	32.31	7	7.06	0-1.50	Yes	No	
Mid-Day pH (10) check	33.23	10	9.93	0-1.50	Yes	No	

EQUIPMENT CALIBRATION LOG

Client: Meredith Duncan
 Date: 8/11/23
 Time (Calibration): 0840
 Time (Mid-day Check): 1545
 Asset ID: 893479
 Turbidity Meter Type: la Motte
 SN: 7007-1416
 Meter: Bowen LF
 Water Condition: 80°

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) <small>(Eq. 100% water saturated air sat)</small>				99.42	
Synthetic Conductance (µS/cm)	24000044 05/24	23.57	4490	4524	
pH (4)	24000044 05/24	23.76	4	4.01	
pH (7)	22290139 04/24	24.57	7	6.97	
pH (10)	22110130 04/24	24.65	10	10.04	
ORP (mV)	24002258 06/24	24.33	228	226.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.79	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.55	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	33.41	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	33.48	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	33.68	10	9.91	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Shepherd</u>	Date: <u>8/2/23</u>	Time (Calibration): <u>0846</u>	Time (Mid-day Check): <u>1528</u>
Asset/ID/EN: <u>ZP9317</u>	Hydrolab Meter Type: <u>LaMotte 2020</u>		SN: <u>9429-4417</u>
Project: <u>Bowd LF SA</u>	Weather Conditions: <u>90°/70°, 20%h</u>		

Calibration Log

	Standard Lot #/Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (opt. 100% water saturated air sat)				<u>104.80</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>22.75</u>	4490	<u>4440.7</u>	
pH (4)	22250153 11/23	<u>23.17</u>	4	<u>4.02</u>	
pH (7)	2216893 11/23	<u>23.19</u>	7	<u>7.04</u>	
pH (10)	21320202 12/23	<u>23.25</u>	10	<u>10.05</u>	
ORP (mV)	21390144 11/23	<u>23.38</u>	228	<u>231.2</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.16</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>0.76</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>10.22</u>	±0.1 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>23.06</u>	4	<u>4.10</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<u>23.77</u>	7	<u>7.12</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check	<u>23.75</u>	10	<u>10.04</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Laaker</u>	Date: <u>8/2/23</u>	Time of Calibration: <u>8:25</u>	Time (Molimo Check): <u>16:15</u>
Spec/To/From: <u>July 2023 LF Semi 189310</u>	Turbidity Meter Type: <u>LaMotte 2020</u>	SN: <u>9453-4417</u>	
From: <u>July 2023 LF Semi</u>	Weather Conditions: <u>88°/66° mostly cloudy</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (@L 100% near saturated air sat)				98.48	
Specific Conductance (µS/cm)	24000044 05/24	22.75	4490	4493.9	
pH (H)	24000044 05/24	22.88	4	4.04	
pH (C)	22290139 04/24	23.23	7	7.05	
pH (00)	22110130 04/24	23.19	10	10.04	
ORP (mV)	24002258 06/24	22.65	228	232.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.97	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.74	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (0) check	27.46	4	4.09	±0.1 pH	Yes	No	
Mid-Day pH (7) check	27.23	7	7.09	±0.1 pH	Yes	No	
Mid-Day pH (10) check	27.72	10	10.01	±0.1 pH	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 8/2/23	Time (Calibration): 0830	Time (Midday Check):
ApqTool SN: 893479	Turbidity Meter Type: la motte	SN: 7007-1416	
Project: Bowen LF	Weather Conditions: 75° Cloudy		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (SGL 100% water saturated air sat)				98.96	
Specific Conductance (µS/cm)	24000044 05/24	21.80	4490	4464.1	
pH (4)	24000044 05/24	21.80	4	4.07	
pH (7)	22290139 04/24	22.03	7	7.09	
pH (10)	22110130 04/24	22.07	10	10.06	
ORP (mV)	24002258 06/24	22.22	228	233.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?	Comments
Turbidity 0 NTU	0	0.02	±0.5 NTU	Yes No	
Turbidity 1 NTU	1	0.92	±0.5 NTU	Yes No	
Turbidity 10 NTU	10	9.99	±0.5 NTU	Yes No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?	Comments
Mid-Day pH (4) check	24.89	4	4.00	±0.1 SU	Yes No	
Mid-Day pH (7) check	29.50	7	7.08	±0.1 SU	Yes No	
Mid-Day pH (10) check	30.21	10	9.85	±0.1 SU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>8/3/23</u>	Time (Calibration): <u>08:50</u>	Time (Field Check):
Asset ID: <u>789317</u>	Turbidity Meter Type: <u>LaMotte</u>	SN: <u>9479-4417</u>	
Project: <u>Landfill SA</u>	Water Condition: <u>28°/70° 770</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp. 100% water saturated air cal)				<u>98.19</u>	
Specific Conductance (µS/cm)	22250153 11/23	<u>25.16</u>	4490	<u>4487.0</u>	
pH (4)	22250153 11/23	<u>25.18</u>	4	<u>4.02</u>	
pH (7)	2216893 11/23	<u>25.36</u>	7	<u>7.02</u>	
pH (10)	21320202 12/23	<u>25.54</u>	10	<u>9.99</u>	
ORP (mV)	21390144 11/23	<u>25.63</u>	228	<u>225.9</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	<u>0.15</u>	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	1	<u>0.74</u>	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	10	<u>10.18</u>	±0.5 NTU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>28.37</u>	4	<u>4.10</u>	±0.1 SU	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check	<u>27.60</u>	7	<u>7.19</u>	±0.1 SU	Yes	<input checked="" type="radio"/> No	
Mid-Day pH (10) check	<u>26.87</u>	10	<u>10.18</u>	±0.1 SU	Yes	<input checked="" type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lecher	Date: 8/3/23	Event/Calibration: 840	Time (Mid-Day Check): 16:10
Asset/ID/IN: 789310	Instrument/Model Type: LaMotte 2020	SN: 7007-1416	
From: July 2023 LF Semi	Weather Conditions: 87°/71° mostly cloudy 70% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (ppt, 100% water saturated air sat)				100.95	
Specific Conductance (µS/cm)	24000044 05/24	25.61	4490	4517.4	
pH (4)	24000044 05/24	25.68	4	3.99	
pH (7)	22290139 04/24	25.95	7	6.99	
pH (10)	22110130 04/24	26.04	10	9.97	
ORP (mV)	24002258 06/24	25.96	228	222.3 82m	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.81	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.75	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	28.44	4	4.03	±0.1 SU	Yes	No	
Mid-Day pH (7) check	27.94	7	7.05	±0.1 SU	Yes	No	
Mid-Day pH (10) check	27.60	10	9.99	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan Date: 8/3/23 Time (Calibration): 0830 Time (Mid-day Check):

Asset/Tool SN: 893476 Turbidity Meter Type: la motte SN: 9453-4417

Project: Bowen LP Weather Conditions: 75' Cloudy/rain

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Incremental Reading at Calibration	Comments
DO (%) (Sp. 100% water saturated air sat)				103.62	
Specific Conductance (µS/cm)	24000944 05/24	25.79	4490	4502.7	
pH (4)	24000944 05/24	25.81	4	3.94	
pH (7)	22190139 04/24	25.48	7	7.00	
pH (10)	22110130 04/24	25.36	10	10.01	
ORP (mV)	24002258 06/24	25.43	228	228.4	

	Value of Standard	Incremental Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.2 NTU	Yes	No	
Turbidity 1 NTU	1	0.80	±0.2 NTU	Yes	No	
Turbidity 10 NTU	10	9.59	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	28.08	4	4.05	±0.1 SU	Yes	No	
Mid-Day pH (7) check	27.76	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	27.47	10	9.93	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker	Date: 8/4/23	Time (Calibration): 8:27	Time (Mid-day Check): 11:45
Asset/Tool ID: 789310	Tool/Make/Type: LaMotte 2020	SN: 9453-4417	
Project: July 2023 LF Semi	Weather/Conditions: 82°/69° cloudy 50% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Eq. 1, 100% water saturated air sat)				96.01	
Specific Conductance (µS/cm)	24000044 05/24	23.11	4490	4448.7	
pH (4)	24000044 05/24	23.15	4	3.99	
pH (7)	22290139 04/24	23.16	7	6.99	
pH (10)	22110130 04/24	23.17	10	10.01	
ORP (mV)	24002258 06/24	23.66	228	233.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.2 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.2 NTU	Yes	No	
Turbidity 10 NTU	10	10.03	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	25.06	4	4.04	±0.1 SD	Yes	No	
Mid-Day pH (7) check	24.99	7	7.09	±0.1 SD	Yes	No	
Mid-Day pH (10) check	24.88	10	10.03	±0.1 SD	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duen Date: 8/4/23 Time (Calibration): 0815 Time (Mid-day Check):
 Asset ID: 893479 (with ~~893479~~) Facility Make/Type: la Motte SN: 7007-1416
 Project: Power LF Weather Conditions: 73° rain/cloudy

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (@ 100% water saturated air sat)				97.85	
Specific Conductance (µS/cm)	24000044 05/24	24.30	4490	4495.5	
pH (4)	24000044 05/24	24.31	4	4.03	
pH (7)	22299139 04/24	24.34	7	6.97	
pH (10)	22110130 04/24	24.25	10	9.95	
ORP (mV)	24002258 06/24	24.16	218	232.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	-0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.87	-0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.72	-0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	26.35	4	4.00	-0.1 SU	Yes	No	
Mid-Day pH (7) check	26.63	7	7.10	-0.1 SU	Yes	No	
Mid-Day pH (10) check	27.69	10	9.83	-0.1 SU	Yes	No	

Low-Flow Test Report:

Test Date / Time: 6/20/2023 10:26:13 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWC-26 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.88 ft Total Depth: 41.88 ft Initial Depth to Water: 24.74 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 36.88 ft Estimated Total Volume Pumped: 3920 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/20/2023 10:26 AM	00:00	7.32 pH	19.45 °C	301.25 µS/cm	4.51 mg/L	1.72 NTU	131.6 mV	24.74 ft	140.00 ml/min
6/20/2023 10:30 AM	04:00	7.35 pH	19.35 °C	299.87 µS/cm	4.46 mg/L	2.28 NTU	135.4 mV	24.74 ft	140.00 ml/min
6/20/2023 10:34 AM	08:00	7.36 pH	19.20 °C	300.56 µS/cm	4.45 mg/L	2.15 NTU	135.7 mV	24.74 ft	140.00 ml/min
6/20/2023 10:38 AM	12:00	7.36 pH	19.18 °C	300.68 µS/cm	4.46 mg/L	1.19 NTU	135.9 mV	24.74 ft	140.00 ml/min
6/20/2023 10:42 AM	16:00	7.36 pH	19.15 °C	300.59 µS/cm	4.40 mg/L	1.51 NTU	135.9 mV	24.75 ft	140.00 ml/min
6/20/2023 10:46 AM	20:00	7.35 pH	18.97 °C	300.27 µS/cm	4.37 mg/L	1.56 NTU	136.0 mV	24.75 ft	140.00 ml/min
6/20/2023 10:50 AM	24:00	7.35 pH	18.84 °C	301.79 µS/cm	4.28 mg/L	1.27 NTU	136.5 mV	24.75 ft	140.00 ml/min
6/20/2023 10:54 AM	28:00	7.35 pH	18.72 °C	303.98 µS/cm	4.23 mg/L	0.87 NTU	136.7 mV	24.75 ft	140.00 ml/min

Samples

Sample ID:	Description:
GWC-26	App I&II Metals, App III Metals, App IV Metals , Inorganics, Fluoride, TDS, Radium
FD-01	App I&II Metals, App III Metals, App IV Metals , Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/20/2023 11:41:19 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-28 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.33 ft Total Depth: 47.33 ft Initial Depth to Water: 23.98 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 42.33 ft Estimated Total Volume Pumped: 4000 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 3.69 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/20/2023 11:41 AM	00:00	7.45 pH	20.42 °C	290.21 µS/cm	2.17 mg/L	5.62 NTU	69.2 mV	26.62 ft	0.14 PSU	100.00 ml/min
6/20/2023 11:45 AM	04:00	7.45 pH	20.51 °C	292.97 µS/cm	2.12 mg/L	5.65 NTU	73.4 mV	26.78 ft	0.14 PSU	100.00 ml/min
6/20/2023 11:49 AM	08:00	7.44 pH	20.51 °C	303.06 µS/cm	0.93 mg/L	11.78 NTU	71.7 mV	26.95 ft	0.15 PSU	100.00 ml/min
6/20/2023 11:53 AM	12:00	7.46 pH	20.47 °C	301.40 µS/cm	1.46 mg/L	6.67 NTU	71.9 mV	27.10 ft	0.14 PSU	100.00 ml/min
6/20/2023 11:57 AM	16:00	7.48 pH	20.25 °C	304.24 µS/cm	1.47 mg/L	5.32 NTU	72.4 mV	27.23 ft	0.15 PSU	100.00 ml/min
6/20/2023 12:01 PM	20:00	7.48 pH	20.05 °C	310.65 µS/cm	1.51 mg/L	4.46 NTU	73.0 mV	27.33 ft	0.15 PSU	100.00 ml/min
6/20/2023 12:05 PM	24:00	7.48 pH	19.94 °C	316.94 µS/cm	1.43 mg/L	6.94 NTU	73.6 mV	27.42 ft	0.15 PSU	100.00 ml/min
6/20/2023 12:09 PM	28:00	7.49 pH	19.84 °C	318.77 µS/cm	1.49 mg/L	4.13 NTU	73.5 mV	27.50 ft	0.15 PSU	100.00 ml/min
6/20/2023 12:13 PM	32:00	7.49 pH	19.91 °C	323.93 µS/cm	1.49 mg/L	2.95 NTU	72.7 mV	27.57 ft	0.16 PSU	100.00 ml/min
6/20/2023 12:17 PM	36:00	7.48 pH	19.94 °C	325.64 µS/cm	1.49 mg/L	3.81 NTU	73.1 mV	27.62 ft	0.16 PSU	100.00 ml/min
6/20/2023 12:21 PM	40:00	7.48 pH	19.98 °C	327.32 µS/cm	1.53 mg/L	2.73 NTU	72.4 mV	27.67 ft	0.16 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-28	App I&II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/21/2023 10:02:35 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWA-57 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.17 ft Total Depth: 81.17 ft Initial Depth to Water: 23.21 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 76.17 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.28 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/21/2023 10:02 AM	00:00	7.44 pH	18.62 °C	329.12 µS/cm	0.25 mg/L	4.47 NTU	58.1 mV	23.46 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:06 AM	04:00	7.49 pH	18.50 °C	327.19 µS/cm	0.22 mg/L	8.15 NTU	64.0 mV	23.46 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:10 AM	08:00	7.53 pH	18.60 °C	326.96 µS/cm	0.20 mg/L	7.18 NTU	62.8 mV	23.46 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:14 AM	12:00	7.54 pH	18.51 °C	327.41 µS/cm	0.18 mg/L	5.31 NTU	61.7 mV	23.47 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:18 AM	16:00	7.55 pH	18.60 °C	327.52 µS/cm	0.17 mg/L	4.96 NTU	59.2 mV	23.48 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:22 AM	20:00	7.55 pH	18.64 °C	327.20 µS/cm	0.16 mg/L	4.57 NTU	57.3 mV	23.48 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:26 AM	24:00	7.55 pH	18.82 °C	327.07 µS/cm	0.15 mg/L	4.00 NTU	55.1 mV	23.49 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:30 AM	28:00	7.55 pH	18.94 °C	325.92 µS/cm	0.14 mg/L	3.52 NTU	53.1 mV	23.49 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:34 AM	32:00	7.55 pH	18.89 °C	326.87 µS/cm	0.14 mg/L	3.83 NTU	50.5 mV	23.49 ft	0.16 PSU	150.00 ml/min
6/21/2023 10:38 AM	36:00	7.55 pH	18.73 °C	326.06 µS/cm	0.13 mg/L	3.81 NTU	48.9 mV	23.49 ft	0.16 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-57	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/21/2023 10:16:41 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWA-34 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.36 ft Total Depth: 68.36 ft Initial Depth to Water: 20.89 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 63.36 ft Estimated Total Volume Pumped: 17040 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/21/2023 10:16 AM	00:00	5.71 pH	18.46 °C	155.68 µS/cm	0.36 mg/L	15.12 NTU	79.1 mV	20.93 ft	150.00 ml/min
6/21/2023 10:20 AM	04:00	5.71 pH	18.49 °C	161.26 µS/cm	0.22 mg/L	12.30 NTU	77.6 mV	20.98 ft	150.00 ml/min
6/21/2023 10:24 AM	08:00	5.74 pH	18.46 °C	174.36 µS/cm	0.18 mg/L	8.87 NTU	71.0 mV	20.98 ft	150.00 ml/min
6/21/2023 10:28 AM	12:00	5.77 pH	18.70 °C	185.00 µS/cm	0.16 mg/L	9.78 NTU	68.0 mV	20.98 ft	150.00 ml/min
6/21/2023 10:32 AM	16:00	5.80 pH	18.71 °C	188.46 µS/cm	0.15 mg/L	8.41 NTU	64.3 mV	20.99 ft	150.00 ml/min
6/21/2023 10:36 AM	20:00	5.82 pH	18.68 °C	189.32 µS/cm	0.14 mg/L	6.33 NTU	64.2 mV	20.99 ft	150.00 ml/min
6/21/2023 10:40 AM	24:00	5.83 pH	18.45 °C	192.89 µS/cm	0.12 mg/L	9.76 NTU	62.2 mV	20.99 ft	150.00 ml/min
6/21/2023 10:44 AM	28:00	5.85 pH	18.55 °C	194.33 µS/cm	0.11 mg/L	8.43 NTU	60.7 mV	20.99 ft	150.00 ml/min
6/21/2023 10:48 AM	32:00	5.86 pH	18.57 °C	193.52 µS/cm	0.11 mg/L	8.53 NTU	60.7 mV	20.99 ft	150.00 ml/min
6/21/2023 10:52 AM	36:00	5.88 pH	18.47 °C	196.12 µS/cm	0.10 mg/L	10.65 NTU	58.6 mV	20.99 ft	150.00 ml/min
6/21/2023 10:56 AM	40:00	5.89 pH	18.66 °C	196.51 µS/cm	0.09 mg/L	8.58 NTU	56.8 mV	20.99 ft	150.00 ml/min
6/21/2023 11:00 AM	44:00	5.92 pH	18.63 °C	193.91 µS/cm	0.09 mg/L	6.56 NTU	57.2 mV	20.99 ft	150.00 ml/min
6/21/2023 11:04 AM	48:00	5.92 pH	18.63 °C	196.40 µS/cm	0.08 mg/L	7.18 NTU	54.8 mV	20.99 ft	150.00 ml/min
6/21/2023 11:08 AM	52:00	5.94 pH	18.56 °C	197.00 µS/cm	0.08 mg/L	7.25 NTU	54.2 mV	20.99 ft	150.00 ml/min
6/21/2023 11:12 AM	56:00	5.95 pH	18.55 °C	198.33 µS/cm	0.08 mg/L	5.32 NTU	52.5 mV	20.99 ft	150.00 ml/min

6/21/2023 11:16 AM	01:00:00	5.97 pH	18.45 °C	198.15 µS/cm	0.07 mg/L	4.78 NTU	52.4 mV	20.99 ft	150.00 ml/min
6/21/2023 11:20 AM	01:04:00	5.98 pH	18.50 °C	198.15 µS/cm	0.07 mg/L	6.12 NTU	50.7 mV	20.99 ft	150.00 ml/min
6/21/2023 11:24 AM	01:08:00	5.99 pH	18.53 °C	199.49 µS/cm	0.07 mg/L	5.38 NTU	49.1 mV	20.99 ft	150.00 ml/min
6/21/2023 11:28 AM	01:12:00	6.01 pH	18.59 °C	198.81 µS/cm	0.08 mg/L	6.85 NTU	48.2 mV	20.99 ft	120.00 ml/min
6/21/2023 11:32 AM	01:16:00	6.01 pH	18.82 °C	197.61 µS/cm	0.10 mg/L	7.38 NTU	48.1 mV	20.99 ft	120.00 ml/min
6/21/2023 11:36 AM	01:20:00	6.02 pH	18.75 °C	198.08 µS/cm	0.10 mg/L	11.15 NTU	47.5 mV	20.99 ft	120.00 ml/min
6/21/2023 11:40 AM	01:24:00	6.03 pH	18.67 °C	198.25 µS/cm	0.10 mg/L	10.02 NTU	47.2 mV	20.99 ft	120.00 ml/min
6/21/2023 11:44 AM	01:28:00	6.03 pH	18.66 °C	199.59 µS/cm	0.10 mg/L	7.15 NTU	46.1 mV	20.99 ft	120.00 ml/min
6/21/2023 11:48 AM	01:32:00	6.03 pH	18.75 °C	197.75 µS/cm	0.10 mg/L	6.44 NTU	46.3 mV	20.99 ft	120.00 ml/min
6/21/2023 11:52 AM	01:36:00	6.04 pH	18.69 °C	197.61 µS/cm	0.09 mg/L	5.95 NTU	45.7 mV	20.99 ft	120.00 ml/min
6/21/2023 11:56 AM	01:40:00	6.04 pH	18.80 °C	197.98 µS/cm	0.09 mg/L	8.21 NTU	44.9 mV	20.99 ft	120.00 ml/min
6/21/2023 12:00 PM	01:44:00	6.06 pH	18.86 °C	198.09 µS/cm	0.09 mg/L	5.97 NTU	43.4 mV	20.99 ft	120.00 ml/min
6/21/2023 12:04 PM	01:48:00	6.05 pH	18.88 °C	198.65 µS/cm	0.09 mg/L	4.07 NTU	43.8 mV	20.99 ft	120.00 ml/min
6/21/2023 12:08 PM	01:52:00	6.04 pH	18.96 °C	199.86 µS/cm	0.09 mg/L	3.94 NTU	42.1 mV	20.99 ft	120.00 ml/min
6/21/2023 12:12 PM	01:56:00	6.03 pH	19.11 °C	198.10 µS/cm	0.08 mg/L	4.40 NTU	42.5 mV	20.99 ft	120.00 ml/min
6/21/2023 12:16 PM	02:00:00	6.02 pH	19.15 °C	198.17 µS/cm	0.08 mg/L	3.73 NTU	42.5 mV	20.99 ft	120.00 ml/min
6/21/2023 12:20 PM	02:04:00	6.02 pH	19.15 °C	199.00 µS/cm	0.08 mg/L	2.66 NTU	43.0 mV	20.99 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWA-34	App I&II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/21/2023 11:56:33 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

<p>Location Name: GWA-33R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.75 ft Total Depth: 112.75 ft Initial Depth to Water: 23.6 ft</p>	<p>Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 107.75 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.01 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789310</p>
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/21/2023 11:56 AM	00:00	7.56 pH	18.42 °C	245.17 µS/cm	1.74 mg/L	1.95 NTU	62.8 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:00 PM	04:00	7.57 pH	18.33 °C	245.43 µS/cm	2.05 mg/L	2.12 NTU	79.0 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:04 PM	08:00	7.57 pH	18.33 °C	245.01 µS/cm	2.14 mg/L	2.42 NTU	83.6 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:08 PM	12:00	7.57 pH	18.33 °C	245.47 µS/cm	2.16 mg/L	3.34 NTU	85.8 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:12 PM	16:00	7.56 pH	18.51 °C	245.14 µS/cm	2.18 mg/L	2.98 NTU	84.0 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:16 PM	20:00	7.57 pH	18.55 °C	244.46 µS/cm	2.20 mg/L	4.64 NTU	81.9 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:20 PM	24:00	7.56 pH	18.39 °C	245.30 µS/cm	2.23 mg/L	5.46 NTU	81.5 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:24 PM	28:00	7.55 pH	18.77 °C	244.67 µS/cm	2.09 mg/L	5.06 NTU	79.1 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:28 PM	32:00	7.55 pH	18.86 °C	244.15 µS/cm	2.06 mg/L	4.88 NTU	77.5 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:32 PM	36:00	7.55 pH	18.94 °C	244.78 µS/cm	2.01 mg/L	4.30 NTU	76.3 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:36 PM	40:00	7.55 pH	18.92 °C	244.80 µS/cm	2.02 mg/L	4.30 NTU	75.7 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:40 PM	44:00	7.54 pH	18.90 °C	245.16 µS/cm	2.03 mg/L	4.26 NTU	76.1 mV	23.61 ft	0.12 PSU	150.00 ml/min
6/21/2023 12:44 PM	48:00	7.55 pH	18.89 °C	244.86 µS/cm	2.00 mg/L	4.03 NTU	76.4 mV	23.61 ft	0.12 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-33R	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 6/21/2023 1:52:29 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWA-34R Well Diameter: 2 cm Casing Type: PVC Screen Length: 10 ft Top of Screen: 91.40 ft Total Depth: 101.40 ft Initial Depth to Water: 20.73 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 96.40 ft Estimated Total Volume Pumped: 9120 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/21/2023 1:52 PM	00:00	6.55 pH	20.76 °C	344.36 µS/cm	0.61 mg/L	8.10 NTU	3.9 mV	20.77 ft	150.00 ml/min
6/21/2023 1:56 PM	04:00	6.57 pH	20.69 °C	348.59 µS/cm	0.35 mg/L	6.15 NTU	3.5 mV	20.77 ft	150.00 ml/min
6/21/2023 2:00 PM	08:00	6.60 pH	20.60 °C	348.58 µS/cm	0.26 mg/L	6.90 NTU	3.2 mV	20.77 ft	150.00 ml/min
6/21/2023 2:04 PM	12:00	6.61 pH	20.34 °C	347.03 µS/cm	0.22 mg/L	5.80 NTU	6.3 mV	20.77 ft	150.00 ml/min
6/21/2023 2:08 PM	16:00	6.61 pH	20.45 °C	347.81 µS/cm	0.20 mg/L	8.81 NTU	4.0 mV	20.77 ft	150.00 ml/min
6/21/2023 2:12 PM	20:00	6.64 pH	20.15 °C	347.60 µS/cm	0.18 mg/L	11.70 NTU	6.0 mV	20.77 ft	150.00 ml/min
6/21/2023 2:16 PM	24:00	6.65 pH	20.16 °C	348.91 µS/cm	0.17 mg/L	7.26 NTU	9.2 mV	20.77 ft	150.00 ml/min
6/21/2023 2:20 PM	28:00	6.67 pH	20.00 °C	346.18 µS/cm	0.16 mg/L	10.04 NTU	11.3 mV	20.77 ft	150.00 ml/min
6/21/2023 2:24 PM	32:00	6.67 pH	19.96 °C	346.27 µS/cm	0.16 mg/L	6.12 NTU	9.7 mV	20.77 ft	150.00 ml/min
6/21/2023 2:28 PM	36:00	6.65 pH	19.93 °C	359.60 µS/cm	0.15 mg/L	6.30 NTU	15.2 mV	20.78 ft	150.00 ml/min
6/21/2023 2:32 PM	40:00	6.60 pH	20.13 °C	362.27 µS/cm	0.14 mg/L	9.08 NTU	22.5 mV	20.78 ft	130.00 ml/min
6/21/2023 2:36 PM	44:00	6.57 pH	20.48 °C	365.08 µS/cm	0.14 mg/L	8.88 NTU	24.2 mV	20.78 ft	130.00 ml/min
6/21/2023 2:40 PM	48:00	6.56 pH	20.49 °C	365.22 µS/cm	0.14 mg/L	6.50 NTU	24.4 mV	20.78 ft	130.00 ml/min
6/21/2023 2:44 PM	52:00	6.57 pH	20.36 °C	365.60 µS/cm	0.14 mg/L	4.99 NTU	27.0 mV	20.78 ft	130.00 ml/min
6/21/2023 2:48 PM	56:00	6.57 pH	20.45 °C	365.78 µS/cm	0.14 mg/L	4.98 NTU	26.0 mV	20.78 ft	130.00 ml/min

6/21/2023 2:52 PM	01:00:00	6.58 pH	20.37 °C	364.81 µS/cm	0.13 mg/L	4.40 NTU	26.3 mV	20.78 ft	130.00 ml/min
6/21/2023 2:56 PM	01:04:00	6.58 pH	20.35 °C	365.03 µS/cm	0.13 mg/L	3.75 NTU	26.2 mV	20.78 ft	130.00 ml/min

Samples

Sample ID:	Description:
GWA-34R	App I&II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/21/2023 2:37:50 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.69 ft Total Depth: 66.69 ft Initial Depth to Water: 23.89 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 61.69 ft Estimated Total Volume Pumped: 7200 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 4.5 L

Well stabilized with higher pH value and continually rising turbidity.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/21/2023 2:37 PM	00:00	8.39 pH	20.11 °C	286.38 µS/cm	0.22 mg/L	787.00 NTU	62.5 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 2:41 PM	04:00	8.41 pH	19.98 °C	286.45 µS/cm	0.21 mg/L	825.00 NTU	71.6 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 2:45 PM	08:00	8.41 pH	19.97 °C	288.80 µS/cm	0.20 mg/L	874.00 NTU	75.4 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 2:49 PM	12:00	8.42 pH	20.05 °C	288.36 µS/cm	0.19 mg/L	896.00 NTU	78.3 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 2:53 PM	16:00	8.43 pH	19.93 °C	287.81 µS/cm	0.19 mg/L	931.00 NTU	80.1 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 2:57 PM	20:00	8.44 pH	19.80 °C	288.52 µS/cm	0.18 mg/L	972.00 NTU	81.5 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:01 PM	24:00	8.44 pH	19.84 °C	289.15 µS/cm	0.17 mg/L	993.00 NTU	82.2 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:05 PM	28:00	8.44 pH	19.84 °C	289.88 µS/cm	0.17 mg/L	1,010.0 NTU	83.4 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:09 PM	32:00	8.45 pH	19.80 °C	289.87 µS/cm	0.17 mg/L	1,028.0 NTU	83.4 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:13 PM	36:00	8.45 pH	19.85 °C	289.10 µS/cm	0.16 mg/L	1,031.0 NTU	83.4 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:17 PM	40:00	8.45 pH	19.78 °C	290.07 µS/cm	0.16 mg/L	1,059.0 NTU	83.6 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:21 PM	44:00	8.45 pH	19.92 °C	289.60 µS/cm	0.16 mg/L	1,072.0 NTU	83.0 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:25 PM	48:00	8.44 pH	19.89 °C	290.98 µS/cm	0.18 mg/L	1,075.0 NTU	82.7 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:29 PM	52:00	8.45 pH	19.93 °C	290.15 µS/cm	0.17 mg/L	1,092.0 NTU	81.6 mV	23.91 ft	0.14 PSU	120.00 ml/min
6/21/2023 3:33 PM	56:00	8.45 pH	20.04 °C	289.95 µS/cm	0.16 mg/L	1,109.0 NTU	80.4 mV	23.91 ft	0.14 PSU	120.00 ml/min

6/21/2023 3:37 PM	01:00:00	8.45 pH	19.93 °C	289.72 µS/cm	0.16 mg/L	1,106.0 NTU	78.6 mV	23.91 ft	0.14 PSU	120.00 ml/min
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Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/22/2023 10:41:20 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 27.72 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 38200 ml Flow Cell Volume: 90 ml Final Flow Rate: 90 ml/min Final Draw Down: 51.43 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 4 L

Stopped trolling due to lack of pressure from MP50. Pump would not pump water for full 5 sec. cycle (probably due to moisture).

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/22/2023 10:41 AM	00:00	7.21 pH	17.10 °C	317.15 µS/cm	1.54 mg/L	1.78 NTU	84.3 mV	34.70 ft	0.15 PSU	140.00 ml/min
6/22/2023 10:45 AM	04:00	7.21 pH	17.12 °C	315.78 µS/cm	0.77 mg/L	1.27 NTU	92.2 mV	35.35 ft	0.15 PSU	140.00 ml/min
6/22/2023 10:49 AM	08:00	7.22 pH	17.12 °C	315.47 µS/cm	0.81 mg/L	1.04 NTU	94.5 mV	36.28 ft	0.15 PSU	140.00 ml/min
6/22/2023 10:53 AM	12:00	7.22 pH	17.12 °C	316.17 µS/cm	0.83 mg/L	0.94 NTU	94.9 mV	37.24 ft	0.15 PSU	140.00 ml/min
6/22/2023 10:57 AM	16:00	7.22 pH	17.15 °C	316.29 µS/cm	0.78 mg/L	1.21 NTU	96.0 mV	38.19 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:01 AM	20:00	7.22 pH	17.17 °C	317.37 µS/cm	0.71 mg/L	1.02 NTU	96.1 mV	39.25 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:05 AM	24:00	7.22 pH	17.17 °C	318.37 µS/cm	0.63 mg/L	0.97 NTU	96.4 mV	40.15 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:09 AM	28:00	7.22 pH	17.26 °C	319.03 µS/cm	0.54 mg/L	1.11 NTU	96.5 mV	41.13 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:13 AM	32:00	7.22 pH	17.21 °C	319.65 µS/cm	0.50 mg/L	1.24 NTU	96.6 mV	42.08 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:17 AM	36:00	7.22 pH	17.18 °C	320.39 µS/cm	0.47 mg/L	0.93 NTU	96.5 mV	43.01 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:21 AM	40:00	7.22 pH	17.23 °C	320.68 µS/cm	0.48 mg/L	0.87 NTU	96.3 mV	43.93 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:25 AM	44:00	7.22 pH	17.24 °C	321.55 µS/cm	0.48 mg/L	0.92 NTU	96.5 mV	44.84 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:29 AM	48:00	7.22 pH	17.24 °C	322.04 µS/cm	0.48 mg/L	0.87 NTU	96.4 mV	45.77 ft	0.15 PSU	140.00 ml/min
6/22/2023 11:33 AM	52:00	7.22 pH	17.17 °C	322.53 µS/cm	0.48 mg/L	0.84 NTU	96.4 mV	46.75 ft	0.16 PSU	140.00 ml/min
6/22/2023 11:37 AM	56:00	7.22 pH	17.21 °C	322.93 µS/cm	0.48 mg/L	0.92 NTU	96.4 mV	47.67 ft	0.16 PSU	140.00 ml/min

6/22/2023 11:41 AM	01:00:00	7.22 pH	17.29 °C	323.62 µS/cm	0.48 mg/L	1.15 NTU	96.2 mV	48.61 ft	0.16 PSU	140.00 ml/min
6/22/2023 11:45 AM	01:04:00	7.22 pH	17.30 °C	323.60 µS/cm	0.51 mg/L	0.90 NTU	96.2 mV	49.60 ft	0.16 PSU	140.00 ml/min
6/22/2023 11:49 AM	01:08:00	7.22 pH	17.31 °C	323.64 µS/cm	0.54 mg/L	0.76 NTU	96.0 mV	50.41 ft	0.16 PSU	140.00 ml/min
6/22/2023 11:53 AM	01:12:00	7.22 pH	17.35 °C	322.57 µS/cm	0.57 mg/L	0.90 NTU	96.0 mV	51.35 ft	0.16 PSU	140.00 ml/min
6/22/2023 11:57 AM	01:16:00	7.22 pH	17.35 °C	323.15 µS/cm	0.60 mg/L	1.10 NTU	95.4 mV	52.21 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:01 PM	01:20:00	7.22 pH	17.35 °C	323.34 µS/cm	0.64 mg/L	0.80 NTU	95.0 mV	53.06 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:05 PM	01:24:00	7.23 pH	17.38 °C	325.73 µS/cm	0.67 mg/L	0.69 NTU	94.2 mV	53.90 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:09 PM	01:28:00	7.23 pH	17.44 °C	324.96 µS/cm	0.69 mg/L	0.85 NTU	94.1 mV	54.72 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:13 PM	01:32:00	7.23 pH	17.44 °C	326.47 µS/cm	0.72 mg/L	0.95 NTU	93.6 mV	55.58 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:17 PM	01:36:00	7.23 pH	17.54 °C	326.52 µS/cm	0.74 mg/L	0.64 NTU	92.8 mV	56.46 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:21 PM	01:40:00	7.23 pH	17.53 °C	327.15 µS/cm	0.76 mg/L	0.70 NTU	92.4 mV	57.14 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:25 PM	01:44:00	7.24 pH	17.52 °C	327.07 µS/cm	0.78 mg/L	1.34 NTU	92.0 mV	57.90 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:29 PM	01:48:00	7.24 pH	17.50 °C	328.27 µS/cm	0.80 mg/L	0.68 NTU	92.1 mV	58.64 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:33 PM	01:52:00	7.24 pH	17.52 °C	327.48 µS/cm	0.81 mg/L	0.83 NTU	91.8 mV	59.40 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:37 PM	01:56:00	7.24 pH	17.53 °C	328.25 µS/cm	0.83 mg/L	0.88 NTU	91.3 mV	60.08 ft	0.16 PSU	140.00 ml/min
6/22/2023 12:41 PM	02:00:00	7.24 pH	17.55 °C	330.18 µS/cm	0.85 mg/L	0.82 NTU	91.4 mV	60.81 ft	0.16 PSU	120.00 ml/min
6/22/2023 12:45 PM	02:04:00	7.24 pH	17.68 °C	330.67 µS/cm	0.87 mg/L	0.80 NTU	90.9 mV	61.43 ft	0.16 PSU	120.00 ml/min
6/22/2023 12:49 PM	02:08:00	7.24 pH	17.91 °C	331.66 µS/cm	0.91 mg/L	0.83 NTU	90.1 mV	61.94 ft	0.16 PSU	120.00 ml/min
6/22/2023 12:53 PM	02:12:00	7.24 pH	18.01 °C	332.91 µS/cm	0.94 mg/L	0.76 NTU	89.6 mV	62.45 ft	0.16 PSU	120.00 ml/min
6/22/2023 12:57 PM	02:16:00	7.24 pH	18.08 °C	332.73 µS/cm	0.97 mg/L	0.72 NTU	89.0 mV	62.96 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:01 PM	02:20:00	7.24 pH	18.15 °C	332.64 µS/cm	0.98 mg/L	0.67 NTU	88.0 mV	63.44 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:05 PM	02:24:00	7.24 pH	18.20 °C	333.29 µS/cm	1.00 mg/L	0.65 NTU	87.0 mV	63.91 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:09 PM	02:28:00	7.24 pH	18.33 °C	334.03 µS/cm	1.02 mg/L	0.86 NTU	85.3 mV	64.39 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:13 PM	02:32:00	7.25 pH	18.40 °C	333.85 µS/cm	1.02 mg/L	0.75 NTU	84.2 mV	64.83 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:17 PM	02:36:00	7.25 pH	18.42 °C	334.23 µS/cm	1.04 mg/L	0.74 NTU	83.0 mV	65.25 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:21 PM	02:40:00	7.25 pH	18.42 °C	334.29 µS/cm	1.05 mg/L		81.8 mV		0.16 PSU	120.00 ml/min
6/22/2023 1:25 PM	02:44:00	7.25 pH	18.33 °C	333.25 µS/cm	1.07 mg/L		81.1 mV		0.16 PSU	120.00 ml/min
6/22/2023 1:29 PM	02:48:00	7.25 pH	18.46 °C	333.58 µS/cm	1.07 mg/L		80.4 mV		0.16 PSU	120.00 ml/min
6/22/2023 1:33 PM	02:52:00	7.25 pH	18.39 °C	333.96 µS/cm	1.08 mg/L		79.5 mV		0.16 PSU	120.00 ml/min

6/22/2023 1:37 PM	02:56:00	7.25 pH	18.46 °C	334.08 µS/cm	1.10 mg/L		78.4 mV		0.16 PSU	120.00 ml/min
6/22/2023 1:41 PM	03:00:00	7.25 pH	18.64 °C	334.13 µS/cm	1.13 mg/L	0.80 NTU	75.5 mV	67.67 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:45 PM	03:04:00	7.25 pH	18.64 °C	334.46 µS/cm	1.13 mg/L	0.91 NTU	73.0 mV	68.02 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:49 PM	03:08:00	7.26 pH	18.55 °C	333.16 µS/cm	1.15 mg/L	1.07 NTU	71.8 mV	68.37 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:53 PM	03:12:00	7.26 pH	18.64 °C	333.80 µS/cm	1.16 mg/L	0.85 NTU	71.3 mV	68.70 ft	0.16 PSU	120.00 ml/min
6/22/2023 1:57 PM	03:16:00	7.26 pH	18.60 °C	333.92 µS/cm	1.18 mg/L	0.63 NTU	70.0 mV	69.03 ft	0.16 PSU	120.00 ml/min
6/22/2023 2:01 PM	03:20:00	7.26 pH	18.62 °C	335.75 µS/cm	1.19 mg/L	0.69 NTU	69.3 mV	69.38 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:05 PM	03:24:00	7.26 pH	18.90 °C	335.75 µS/cm	1.20 mg/L	0.97 NTU	67.3 mV	69.66 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:09 PM	03:28:00	7.27 pH	18.75 °C	334.74 µS/cm	1.25 mg/L	0.84 NTU	66.6 mV	70.01 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:13 PM	03:32:00	7.27 pH	18.60 °C	335.45 µS/cm	1.24 mg/L	0.97 NTU	67.0 mV	70.44 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:17 PM	03:36:00	7.27 pH	18.59 °C	335.60 µS/cm	1.21 mg/L	0.76 NTU	67.3 mV	70.75 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:21 PM	03:40:00	7.27 pH	18.56 °C	335.27 µS/cm	1.21 mg/L	0.93 NTU	67.6 mV	71.14 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:25 PM	03:44:00	7.28 pH	18.60 °C	335.78 µS/cm	1.22 mg/L	0.74 NTU	68.2 mV	71.48 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:29 PM	03:48:00	7.28 pH	18.42 °C	335.51 µS/cm	1.25 mg/L	0.84 NTU	68.7 mV	71.81 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:33 PM	03:52:00	7.28 pH	18.51 °C	334.96 µS/cm	1.29 mg/L	0.82 NTU	69.4 mV	72.14 ft	0.16 PSU	100.00 ml/min
6/22/2023 2:37 PM	03:56:00	7.29 pH	18.14 °C	332.92 µS/cm	1.30 mg/L	0.82 NTU	70.6 mV	72.58 ft	0.16 PSU	140.00 ml/min
6/22/2023 2:41 PM	04:00:00	7.29 pH	17.93 °C	334.19 µS/cm	1.15 mg/L	0.76 NTU	72.2 mV	73.14 ft	0.16 PSU	140.00 ml/min
6/22/2023 2:45 PM	04:04:00	7.29 pH	17.89 °C	333.81 µS/cm	1.08 mg/L	0.81 NTU	73.6 mV	73.73 ft	0.16 PSU	140.00 ml/min
6/22/2023 2:49 PM	04:08:00	7.29 pH	17.93 °C	330.75 µS/cm	1.08 mg/L	0.96 NTU	73.9 mV	74.25 ft	0.16 PSU	140.00 ml/min
6/22/2023 2:53 PM	04:12:00	7.28 pH	17.87 °C	332.31 µS/cm	1.11 mg/L	0.77 NTU	75.0 mV	74.76 ft	0.16 PSU	140.00 ml/min
6/22/2023 2:57 PM	04:16:00	7.28 pH	18.11 °C	335.70 µS/cm	1.16 mg/L	0.88 NTU	75.0 mV	75.28 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:01 PM	04:20:00	7.29 pH	18.17 °C	335.26 µS/cm	1.20 mg/L	0.84 NTU	74.2 mV	75.69 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:05 PM	04:24:00	7.29 pH	18.28 °C	335.68 µS/cm	1.25 mg/L	0.95 NTU	74.0 mV	76.11 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:09 PM	04:28:00	7.29 pH	18.20 °C	336.50 µS/cm	1.28 mg/L	0.95 NTU	74.0 mV	76.55 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:13 PM	04:32:00	7.29 pH	18.26 °C	336.85 µS/cm	1.33 mg/L	0.84 NTU	73.9 mV	76.95 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:17 PM	04:36:00	7.29 pH	18.51 °C	337.23 µS/cm	1.36 mg/L	0.76 NTU	72.9 mV	77.30 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:21 PM	04:40:00	7.29 pH	18.62 °C	337.11 µS/cm	1.40 mg/L	0.84 NTU	72.4 mV	77.65 ft	0.16 PSU	140.00 ml/min
6/22/2023 3:25 PM	04:44:00	7.29 pH	18.74 °C	337.29 µS/cm	1.47 mg/L	0.77 NTU	70.7 mV	77.98 ft	0.16 PSU	100.00 ml/min
6/22/2023 3:29 PM	04:48:00	7.29 pH	18.86 °C	338.08 µS/cm	1.49 mg/L	1.11 NTU	70.1 mV	78.29 ft	0.16 PSU	90.00 ml/min

6/22/2023 3:33 PM	04:52:00	7.30 pH	18.83 °C	338.27 µS/cm	1.55 mg/L	0.76 NTU	69.2 mV	78.58 ft	0.16 PSU	90.00 ml/min
6/22/2023 3:37 PM	04:56:00	7.30 pH	18.94 °C	337.23 µS/cm	1.59 mg/L	0.83 NTU	68.5 mV	78.84 ft	0.16 PSU	90.00 ml/min
6/22/2023 3:41 PM	05:00:00	7.30 pH	18.82 °C	337.65 µS/cm	1.68 mg/L	0.80 NTU	68.2 mV	79.15 ft	0.16 PSU	90.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/23/2023 9:54:15 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-31R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.9 ft Total Depth: 108.9 ft Initial Depth to Water: 31.95 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 103.9 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/23/2023 9:54 AM	00:00	7.02 pH	18.42 °C	336.80 µS/cm	3.44 mg/L	2.38 NTU	105.8 mV	31.95 ft	0.16 PSU	150.00 ml/min
6/23/2023 9:58 AM	04:00	7.07 pH	18.15 °C	336.29 µS/cm	3.38 mg/L	1.62 NTU	105.2 mV	31.95 ft	0.16 PSU	150.00 ml/min
6/23/2023 10:02 AM	08:00	7.09 pH	18.22 °C	337.38 µS/cm	3.33 mg/L	1.37 NTU	104.0 mV	31.95 ft	0.16 PSU	150.00 ml/min
6/23/2023 10:06 AM	12:00	7.10 pH	18.15 °C	336.72 µS/cm	3.26 mg/L	0.88 NTU	104.0 mV	31.95 ft	0.16 PSU	150.00 ml/min
6/23/2023 10:10 AM	16:00	7.10 pH	18.24 °C	336.81 µS/cm	3.33 mg/L	0.87 NTU	103.9 mV	31.95 ft	0.16 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-31R	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/23/2023 9:54:44 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 35.6 ft Total Depth: 45.6 ft Initial Depth to Water: 24.4 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 40.6 ft Estimated Total Volume Pumped: 3080 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/23/2023 9:54 AM	00:00	7.45 pH	18.80 °C	307.85 µS/cm	5.44 mg/L	0.41 NTU	146.0 mV	24.45 ft	110.00 ml/min
6/23/2023 9:58 AM	04:00	7.46 pH	18.66 °C	306.07 µS/cm	5.43 mg/L	0.47 NTU	144.5 mV	24.45 ft	110.00 ml/min
6/23/2023 10:02 AM	08:00	7.47 pH	18.73 °C	306.00 µS/cm	5.40 mg/L	0.97 NTU	144.3 mV	24.45 ft	110.00 ml/min
6/23/2023 10:06 AM	12:00	7.47 pH	18.73 °C	304.86 µS/cm	5.38 mg/L	0.64 NTU	144.7 mV	24.45 ft	110.00 ml/min
6/23/2023 10:10 AM	16:00	7.46 pH	18.71 °C	305.87 µS/cm	5.39 mg/L	1.17 NTU	144.9 mV	24.45 ft	110.00 ml/min
6/23/2023 10:14 AM	20:00	7.46 pH	18.78 °C	306.06 µS/cm	5.37 mg/L	1.52 NTU	145.2 mV	24.45 ft	110.00 ml/min
6/23/2023 10:18 AM	24:00	7.46 pH	18.82 °C	305.42 µS/cm	5.34 mg/L	0.63 NTU	145.6 mV	24.45 ft	110.00 ml/min
6/23/2023 10:22 AM	28:00	7.46 pH	18.84 °C	305.48 µS/cm	5.29 mg/L	0.32 NTU	146.1 mV	24.45 ft	110.00 ml/min

Samples

Sample ID:	Description:
GWC-27	App I&II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/23/2023 11:26:42 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.2 ft Total Depth: 70.2 ft Initial Depth to Water: 32 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 65.2 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/23/2023 11:26 AM	00:00	7.35 pH	25.67 °C	298.62 µS/cm	1.19 mg/L	2.14 NTU	82.6 mV	32.02 ft	0.14 PSU	150.00 ml/min
6/23/2023 11:30 AM	04:00	7.32 pH	19.94 °C	324.62 µS/cm	0.49 mg/L	1.36 NTU	63.8 mV	32.02 ft	0.16 PSU	150.00 ml/min
6/23/2023 11:34 AM	08:00	7.32 pH	19.10 °C	326.85 µS/cm	0.44 mg/L	1.35 NTU	51.0 mV	32.02 ft	0.16 PSU	150.00 ml/min
6/23/2023 11:38 AM	12:00	7.31 pH	18.98 °C	329.44 µS/cm	0.41 mg/L	0.98 NTU	38.6 mV	32.02 ft	0.16 PSU	150.00 ml/min
6/23/2023 11:42 AM	16:00	7.30 pH	19.32 °C	329.67 µS/cm	0.39 mg/L	0.70 NTU	25.1 mV	32.02 ft	0.16 PSU	150.00 ml/min
6/23/2023 11:46 AM	20:00	7.31 pH	19.08 °C	331.10 µS/cm	0.38 mg/L	0.64 NTU	12.7 mV	32.02 ft	0.16 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-31	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/23/2023 11:47:03 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWC-27R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.44 ft Total Depth: 92.44 ft Initial Depth to Water: 24.28 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 87.44 ft Estimated Total Volume Pumped: 12680 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0.69 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	
6/23/2023 11:47 AM	00:00	7.30 pH	21.56 °C	283.62 µS/cm	1.21 mg/L	4.27 NTU	104.3 mV	25.00 ft	140.00 ml/min
6/23/2023 11:51 AM	04:00	7.27 pH	20.94 °C	311.38 µS/cm	0.60 mg/L	4.36 NTU	119.3 mV	25.08 ft	140.00 ml/min
6/23/2023 11:55 AM	08:00	7.25 pH	20.89 °C	320.48 µS/cm	0.34 mg/L	3.43 NTU	113.7 mV	25.12 ft	140.00 ml/min
6/23/2023 11:59 AM	12:00	7.24 pH	20.65 °C	322.90 µS/cm	0.29 mg/L	2.31 NTU	107.0 mV	25.13 ft	140.00 ml/min
6/23/2023 12:03 PM	16:00	7.24 pH	20.51 °C	321.69 µS/cm	0.43 mg/L	8.50 NTU	101.9 mV	25.13 ft	140.00 ml/min
6/23/2023 12:07 PM	20:00	7.25 pH	20.75 °C	315.46 µS/cm	0.84 mg/L	5.55 NTU	95.1 mV	25.04 ft	110.00 ml/min
6/23/2023 12:11 PM	24:00	7.25 pH	20.90 °C	307.65 µS/cm	1.42 mg/L	3.95 NTU	96.7 mV	25.05 ft	110.00 ml/min
6/23/2023 12:15 PM	28:00	7.26 pH	20.81 °C	308.70 µS/cm	1.65 mg/L	4.57 NTU	93.6 mV	25.05 ft	110.00 ml/min
6/23/2023 12:19 PM	32:00	7.27 pH	20.70 °C	306.30 µS/cm	1.89 mg/L	5.63 NTU	93.3 mV	25.05 ft	110.00 ml/min
6/23/2023 12:23 PM	36:00	7.28 pH	20.87 °C	305.28 µS/cm	2.05 mg/L	8.80 NTU	93.4 mV	25.05 ft	100.00 ml/min
6/23/2023 12:27 PM	40:00	7.28 pH	21.25 °C	303.43 µS/cm	2.09 mg/L	6.73 NTU	91.7 mV	24.98 ft	110.00 ml/min
6/23/2023 12:31 PM	44:00	7.30 pH	20.63 °C	300.12 µS/cm	2.25 mg/L	4.90 NTU	94.5 mV	24.98 ft	110.00 ml/min
6/23/2023 12:35 PM	48:00	7.30 pH	20.75 °C	301.39 µS/cm	2.41 mg/L	4.11 NTU	95.3 mV	24.98 ft	110.00 ml/min
6/23/2023 12:39 PM	52:00	7.31 pH	20.59 °C	301.03 µS/cm	2.49 mg/L	8.20 NTU	95.2 mV	24.98 ft	110.00 ml/min
6/23/2023 12:43 PM	56:00	7.32 pH	20.99 °C	299.13 µS/cm	2.53 mg/L	8.47 NTU	95.2 mV	24.98 ft	110.00 ml/min

6/23/2023 12:47 PM	01:00:00	7.33 pH	20.85 °C	299.45 µS/cm	2.63 mg/L	8.25 NTU	94.9 mV	24.98 ft	110.00 ml/min
6/23/2023 12:51 PM	01:04:00	7.33 pH	21.16 °C	298.70 µS/cm	2.73 mg/L	6.47 NTU	95.5 mV	24.98 ft	110.00 ml/min
6/23/2023 12:55 PM	01:08:00	7.34 pH	21.35 °C	294.39 µS/cm	2.86 mg/L	5.46 NTU	98.8 mV	24.98 ft	110.00 ml/min
6/23/2023 12:59 PM	01:12:00	7.36 pH	20.77 °C	295.96 µS/cm	3.06 mg/L	3.24 NTU	100.8 mV	24.99 ft	110.00 ml/min
6/23/2023 1:03 PM	01:16:00	7.37 pH	20.58 °C	292.52 µS/cm	3.21 mg/L	3.67 NTU	102.2 mV	25.00 ft	110.00 ml/min
6/23/2023 1:07 PM	01:20:00	7.38 pH	20.41 °C	295.00 µS/cm	3.33 mg/L	5.53 NTU	103.8 mV	24.01 ft	110.00 ml/min
6/23/2023 1:11 PM	01:24:00	7.38 pH	20.35 °C	293.41 µS/cm	3.39 mg/L	4.55 NTU	105.8 mV	24.01 ft	110.00 ml/min
6/23/2023 1:15 PM	01:28:00	7.38 pH	20.43 °C	294.07 µS/cm	3.45 mg/L	3.38 NTU	106.0 mV	24.96 ft	110.00 ml/min
6/23/2023 1:19 PM	01:32:00	7.37 pH	21.20 °C	292.26 µS/cm	3.45 mg/L	1.64 NTU	106.9 mV	24.95 ft	100.00 ml/min
6/23/2023 1:23 PM	01:36:00	7.38 pH	21.50 °C	293.67 µS/cm	3.56 mg/L	1.70 NTU	108.8 mV	24.96 ft	100.00 ml/min
6/23/2023 1:27 PM	01:40:00	7.40 pH	21.18 °C	291.05 µS/cm	3.60 mg/L	3.48 NTU	110.0 mV	24.97 ft	100.00 ml/min
6/23/2023 1:31 PM	01:44:00	7.41 pH	20.63 °C	289.84 µS/cm	3.64 mg/L	2.52 NTU	112.2 mV	24.97 ft	100.00 ml/min
6/23/2023 1:35 PM	01:48:00	7.41 pH	20.21 °C	290.57 µS/cm	3.74 mg/L	1.92 NTU	115.0 mV	24.97 ft	100.00 ml/min
6/23/2023 1:39 PM	01:52:00	7.44 pH	20.09 °C	291.93 µS/cm	3.78 mg/L	1.90 NTU	114.9 mV	24.97 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-27R	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/26/2023 10:21:15 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 33.6 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 13600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 7.72 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Water fell below screen, full evacuation initiated

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	
6/26/2023 10:21 AM	00:00	7.15 pH	18.97 °C	363.93 µS/cm	4.68 mg/L	0.84 NTU	124.4 mV	34.83 ft	100.00 ml/min
6/26/2023 10:25 AM	04:00	7.12 pH	18.80 °C	362.96 µS/cm	4.57 mg/L	0.64 NTU	129.9 mV	35.13 ft	100.00 ml/min
6/26/2023 10:29 AM	08:00	7.11 pH	18.88 °C	362.58 µS/cm	4.43 mg/L	0.88 NTU	130.4 mV	35.45 ft	100.00 ml/min
6/26/2023 10:33 AM	12:00	7.09 pH	18.92 °C	361.48 µS/cm	4.32 mg/L	0.70 NTU	130.3 mV	35.80 ft	100.00 ml/min
6/26/2023 10:37 AM	16:00	7.08 pH	19.02 °C	359.31 µS/cm	4.15 mg/L	0.76 NTU	130.6 mV	36.11 ft	100.00 ml/min
6/26/2023 10:41 AM	20:00	7.07 pH	19.14 °C	356.40 µS/cm	3.92 mg/L	0.86 NTU	131.1 mV	36.42 ft	100.00 ml/min
6/26/2023 10:45 AM	24:00	7.05 pH	19.44 °C	357.21 µS/cm	3.85 mg/L	0.96 NTU	130.6 mV	36.72 ft	100.00 ml/min
6/26/2023 10:49 AM	28:00	7.05 pH	19.42 °C	356.12 µS/cm	3.85 mg/L	0.84 NTU	131.2 mV	37.00 ft	100.00 ml/min
6/26/2023 10:53 AM	32:00	7.04 pH	19.42 °C	355.71 µS/cm	3.87 mg/L	0.83 NTU	131.7 mV	37.23 ft	100.00 ml/min
6/26/2023 10:57 AM	36:00	7.03 pH	19.67 °C	355.90 µS/cm	3.88 mg/L	0.59 NTU	131.4 mV	37.53 ft	100.00 ml/min
6/26/2023 11:01 AM	40:00	7.03 pH	19.37 °C	356.99 µS/cm	3.91 mg/L	0.68 NTU	132.3 mV	37.78 ft	100.00 ml/min
6/26/2023 11:05 AM	44:00	7.02 pH	19.73 °C	356.81 µS/cm	3.90 mg/L	0.57 NTU	131.9 mV	38.03 ft	100.00 ml/min
6/26/2023 11:09 AM	48:00	7.02 pH	19.96 °C	355.17 µS/cm	3.91 mg/L	0.61 NTU	132.4 mV	38.22 ft	100.00 ml/min
6/26/2023 11:13 AM	52:00	7.01 pH	20.23 °C	356.13 µS/cm	3.91 mg/L	0.88 NTU	132.0 mV	38.44 ft	100.00 ml/min
6/26/2023 11:17 AM	56:00	7.01 pH	20.18 °C	356.32 µS/cm	3.95 mg/L	0.64 NTU	133.2 mV	38.66 ft	100.00 ml/min

6/26/2023 11:21 AM	01:00:00	7.01 pH	20.31 °C	356.87 µS/cm	3.95 mg/L	0.78 NTU	133.6 mV	38.88 ft	100.00 ml/min
6/26/2023 11:25 AM	01:04:00	7.01 pH	20.07 °C	356.35 µS/cm	3.97 mg/L	0.73 NTU	134.3 mV	39.08 ft	100.00 ml/min
6/26/2023 11:29 AM	01:08:00	7.01 pH	19.86 °C	357.11 µS/cm	4.03 mg/L	0.71 NTU	134.5 mV	39.30 ft	100.00 ml/min
6/26/2023 11:33 AM	01:12:00	7.01 pH	19.88 °C	356.61 µS/cm	4.08 mg/L	0.81 NTU	134.7 mV	39.52 ft	100.00 ml/min
6/26/2023 11:37 AM	01:16:00	7.01 pH	20.06 °C	356.81 µS/cm	4.12 mg/L	0.76 NTU	134.6 mV	39.73 ft	100.00 ml/min
6/26/2023 11:41 AM	01:20:00	7.01 pH	20.05 °C	355.69 µS/cm	4.13 mg/L	0.87 NTU	135.0 mV	39.89 ft	100.00 ml/min
6/26/2023 11:45 AM	01:24:00	7.01 pH	20.09 °C	355.47 µS/cm	4.20 mg/L	0.69 NTU	134.7 mV	40.08 ft	100.00 ml/min
6/26/2023 11:49 AM	01:28:00	7.01 pH	20.13 °C	353.85 µS/cm	4.19 mg/L	0.63 NTU	135.3 mV	40.25 ft	100.00 ml/min
6/26/2023 11:53 AM	01:32:00	7.01 pH	20.14 °C	355.24 µS/cm	4.24 mg/L	0.60 NTU	135.2 mV	40.41 ft	100.00 ml/min
6/26/2023 11:57 AM	01:36:00	7.00 pH	20.53 °C	354.86 µS/cm	4.21 mg/L	0.46 NTU	135.1 mV	40.58 ft	100.00 ml/min
6/26/2023 12:01 PM	01:40:00	7.02 pH	20.71 °C	351.43 µS/cm	4.23 mg/L	1.16 NTU	135.8 mV	40.70 ft	100.00 ml/min
6/26/2023 12:05 PM	01:44:00	7.01 pH	20.76 °C	352.84 µS/cm	4.36 mg/L	0.75 NTU	135.1 mV	40.84 ft	100.00 ml/min
6/26/2023 12:09 PM	01:48:00	7.01 pH	21.25 °C	351.10 µS/cm	4.34 mg/L	0.55 NTU	135.6 mV	40.95 ft	100.00 ml/min
6/26/2023 12:13 PM	01:52:00	7.03 pH	21.08 °C	349.41 µS/cm	4.36 mg/L	0.63 NTU	136.0 mV	41.04 ft	100.00 ml/min
6/26/2023 12:17 PM	01:56:00	7.03 pH	21.23 °C	348.53 µS/cm	4.44 mg/L	0.59 NTU	136.4 mV	41.16 ft	100.00 ml/min
6/26/2023 12:21 PM	02:00:00	7.03 pH	20.88 °C	348.18 µS/cm	4.48 mg/L	0.61 NTU	136.7 mV	41.17 ft	100.00 ml/min
6/26/2023 12:25 PM	02:04:00	7.02 pH	20.94 °C	350.76 µS/cm	4.52 mg/L	0.69 NTU	136.8 mV	41.18 ft	100.00 ml/min
6/26/2023 12:29 PM	02:08:00	7.03 pH	21.24 °C	348.92 µS/cm	4.48 mg/L	0.72 NTU	136.9 mV	41.21 ft	100.00 ml/min
6/26/2023 12:33 PM	02:12:00	7.03 pH	20.85 °C	348.80 µS/cm	4.53 mg/L	0.74 NTU	137.5 mV	41.28 ft	100.00 ml/min
6/26/2023 12:37 PM	02:16:00	7.02 pH	21.68 °C	351.99 µS/cm	4.53 mg/L	0.68 NTU	136.9 mV	41.32 ft	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/26/2023 12:48:37 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.7 ft Total Depth: 61.7 ft Initial Depth to Water: 27.94 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 56.7 ft Estimated Total Volume Pumped: 2800 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Fine white flaky sediment at the start of pumping.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/26/2023 12:48 PM	00:00	7.67 pH	20.73 °C	251.83 µS/cm	0.36 mg/L	5.12 NTU	75.7 mV	27.95 ft	0.12 PSU	140.00 ml/min
6/26/2023 12:52 PM	04:00	7.68 pH	20.75 °C	252.12 µS/cm	0.19 mg/L	4.16 NTU	78.2 mV	27.96 ft	0.12 PSU	140.00 ml/min
6/26/2023 12:56 PM	08:00	7.68 pH	20.73 °C	252.50 µS/cm	0.19 mg/L	4.27 NTU	79.6 mV	27.96 ft	0.12 PSU	140.00 ml/min
6/26/2023 1:00 PM	12:00	7.69 pH	20.58 °C	253.68 µS/cm	0.20 mg/L	3.11 NTU	80.8 mV	27.96 ft	0.12 PSU	140.00 ml/min
6/26/2023 1:04 PM	16:00	7.67 pH	20.55 °C	256.21 µS/cm	0.22 mg/L	2.60 NTU	81.1 mV	27.96 ft	0.12 PSU	140.00 ml/min
6/26/2023 1:08 PM	20:00	7.67 pH	20.94 °C	256.40 µS/cm	0.22 mg/L	2.53 NTU	81.0 mV	27.96 ft	0.12 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-29	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium
FD-02	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/26/2023 1:54:31 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.66 ft Total Depth: 62.66 ft Initial Depth to Water: 41 ft	Pump Type: Solinst Model 408 Tubing Type: LDPE Pump Intake From TOC: 57.66 ft Estimated Total Volume Pumped: 4560 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 3.51 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	
6/26/2023 1:54 PM	00:00	6.84 pH	21.41 °C	436.03 µS/cm	0.73 mg/L	4.89 NTU	85.8 mV	42.25 ft	140.00 ml/min
6/26/2023 1:58 PM	04:00	6.83 pH	20.88 °C	437.66 µS/cm	0.73 mg/L	3.41 NTU	87.7 mV	42.72 ft	140.00 ml/min
6/26/2023 2:02 PM	08:00	6.84 pH	20.76 °C	437.88 µS/cm	0.76 mg/L	2.10 NTU	86.3 mV	43.12 ft	140.00 ml/min
6/26/2023 2:06 PM	12:00	6.83 pH	21.14 °C	439.38 µS/cm	0.73 mg/L	1.55 NTU	83.5 mV	43.50 ft	120.00 ml/min
6/26/2023 2:10 PM	16:00	6.83 pH	21.47 °C	438.60 µS/cm	0.70 mg/L	1.35 NTU	82.1 mV	43.74 ft	120.00 ml/min
6/26/2023 2:14 PM	20:00	6.84 pH	21.88 °C	435.71 µS/cm	0.66 mg/L	1.19 NTU	80.3 mV	43.94 ft	120.00 ml/min
6/26/2023 2:18 PM	24:00	6.84 pH	22.01 °C	434.16 µS/cm	0.65 mg/L	1.23 NTU	73.8 mV	44.10 ft	120.00 ml/min
6/26/2023 2:22 PM	28:00	6.85 pH	22.09 °C	431.83 µS/cm	0.65 mg/L	1.02 NTU	70.4 mV	44.24 ft	120.00 ml/min
6/26/2023 2:26 PM	32:00	6.86 pH	21.80 °C	428.90 µS/cm	0.65 mg/L	1.00 NTU	64.1 mV	44.39 ft	120.00 ml/min
6/26/2023 2:30 PM	36:00	6.86 pH	21.85 °C	428.49 µS/cm	0.64 mg/L	0.81 NTU	57.9 mV	44.51 ft	120.00 ml/min

Samples

Sample ID:	Description:
GWC-32	App I&II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/27/2023 9:37:13 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 33.58 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 233.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 15.6L

Full Evacuation

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	
6/27/2023 9:37 AM	00:00	7.17 pH	22.26 °C	423.32 µS/cm	7.75 mg/L		186.8 mV	33.58 ft	100.00 ml/min
6/27/2023 9:37 AM	00:20	7.17 pH	22.22 °C	424.78 µS/cm	7.81 mg/L		186.6 mV	33.58 ft	100.00 ml/min
6/27/2023 9:37 AM	00:40	7.18 pH	22.19 °C	422.18 µS/cm	7.55 mg/L		189.1 mV	33.58 ft	100.00 ml/min
6/27/2023 9:38 AM	01:00	7.19 pH	22.01 °C	367.37 µS/cm	7.12 mg/L		182.8 mV	33.58 ft	100.00 ml/min
6/27/2023 9:38 AM	01:20	7.18 pH	21.91 °C	374.39 µS/cm	6.73 mg/L		175.9 mV	33.58 ft	100.00 ml/min
6/27/2023 9:38 AM	01:40	7.19 pH	21.78 °C	373.63 µS/cm	6.63 mg/L		172.7 mV	33.58 ft	100.00 ml/min
6/27/2023 9:39 AM	02:00	7.18 pH	21.69 °C	372.99 µS/cm	6.60 mg/L		168.2 mV	33.58 ft	100.00 ml/min
6/27/2023 9:39 AM	02:20	7.17 pH	21.61 °C	372.75 µS/cm	6.60 mg/L	0.86 NTU	166.0 mV	33.58 ft	100.00 ml/min

Samples

Sample ID:	Description:
GWC-30	App I&II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/27/2023 9:52:43 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 28.53 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 31320 ml Flow Cell Volume: 90 ml Final Flow Rate: 0 ml/min Final Draw Down: 43.95 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 4 L

Pump rate began falling for unknown causes. Blank readings are from switching over MP50s to try and assess the issue. Will pull bladder to assess the pump.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/27/2023 9:52 AM	00:00	7.29 pH	17.32 °C	302.75 µS/cm	1.19 mg/L	0.83 NTU	88.4 mV	35.69 ft	0.15 PSU	230.00 ml/min
6/27/2023 9:56 AM	04:00	7.30 pH	17.43 °C	301.09 µS/cm	1.09 mg/L	0.76 NTU	93.3 mV	36.52 ft	0.14 PSU	230.00 ml/min
6/27/2023 10:00 AM	08:00	7.30 pH	17.35 °C	301.29 µS/cm	1.00 mg/L	0.68 NTU	94.9 mV	37.89 ft	0.14 PSU	230.00 ml/min
6/27/2023 10:04 AM	12:00	7.30 pH	17.35 °C	302.93 µS/cm	0.90 mg/L	0.73 NTU	98.8 mV	39.18 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:08 AM	16:00	7.30 pH	17.36 °C	303.78 µS/cm	0.81 mg/L	0.67 NTU	100.1 mV	40.47 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:12 AM	20:00	7.29 pH	17.40 °C	304.18 µS/cm	0.74 mg/L	0.67 NTU	100.6 mV	41.72 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:16 AM	24:00	7.29 pH	17.88 °C	304.92 µS/cm	0.67 mg/L	0.65 NTU	103.1 mV	42.99 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:20 AM	28:00	7.29 pH	17.57 °C	306.30 µS/cm	0.62 mg/L	0.70 NTU	103.6 mV	44.29 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:24 AM	32:00	7.30 pH	17.30 °C	306.99 µS/cm	0.57 mg/L	0.71 NTU	104.0 mV	45.51 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:28 AM	36:00	7.29 pH	17.44 °C	308.51 µS/cm	0.56 mg/L	0.69 NTU	104.3 mV	46.73 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:32 AM	40:00	7.29 pH	17.42 °C	309.65 µS/cm	0.55 mg/L	0.68 NTU	104.7 mV	47.92 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:36 AM	44:00	7.29 pH	17.36 °C	309.67 µS/cm	0.54 mg/L	0.70 NTU	103.8 mV	49.09 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:40 AM	48:00	7.29 pH	17.33 °C	309.83 µS/cm	0.55 mg/L	0.69 NTU	104.7 mV	50.25 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:44 AM	52:00	7.28 pH	17.39 °C	311.36 µS/cm	0.56 mg/L	0.65 NTU	104.0 mV	51.46 ft	0.15 PSU	230.00 ml/min

6/27/2023 10:48 AM	56:00	7.28 pH	17.52 °C	312.36 µS/cm	0.58 mg/L	0.65 NTU	104.7 mV	52.57 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:52 AM	01:00:00	7.28 pH	17.62 °C	313.57 µS/cm	0.59 mg/L	0.64 NTU	104.7 mV	53.67 ft	0.15 PSU	230.00 ml/min
6/27/2023 10:56 AM	01:04:00	7.28 pH	17.66 °C	314.65 µS/cm	0.62 mg/L	0.64 NTU	105.7 mV	54.76 ft	0.15 PSU	230.00 ml/min
6/27/2023 11:00 AM	01:08:00	7.28 pH	17.71 °C	315.24 µS/cm	0.65 mg/L	0.71 NTU	106.1 mV	55.82 ft	0.15 PSU	230.00 ml/min
6/27/2023 11:04 AM	01:12:00	7.28 pH	17.70 °C	314.30 µS/cm	0.67 mg/L	0.69 NTU	106.3 mV	57.05 ft	0.15 PSU	230.00 ml/min
6/27/2023 11:08 AM	01:16:00	7.28 pH	17.57 °C	315.89 µS/cm	0.70 mg/L	0.61 NTU	106.4 mV	57.92 ft	0.15 PSU	230.00 ml/min
6/27/2023 11:12 AM	01:20:00	7.28 pH	17.57 °C	316.18 µS/cm	0.72 mg/L	0.68 NTU	105.9 mV	58.95 ft	0.15 PSU	210.00 ml/min
6/27/2023 11:16 AM	01:24:00	7.28 pH	17.62 °C	316.00 µS/cm	0.70 mg/L	0.66 NTU	106.6 mV	60.12 ft	0.15 PSU	210.00 ml/min
6/27/2023 11:20 AM	01:28:00	7.28 pH	17.72 °C	318.02 µS/cm	0.76 mg/L	0.70 NTU	105.9 mV	61.05 ft	0.15 PSU	210.00 ml/min
6/27/2023 11:24 AM	01:32:00	7.27 pH	17.80 °C	318.31 µS/cm	0.81 mg/L	0.63 NTU	106.6 mV	62.07 ft	0.15 PSU	210.00 ml/min
6/27/2023 11:28 AM	01:36:00	7.28 pH	17.82 °C	319.40 µS/cm	0.87 mg/L	0.68 NTU	105.6 mV	62.99 ft	0.15 PSU	210.00 ml/min
6/27/2023 11:32 AM	01:40:00	7.27 pH	18.06 °C	318.78 µS/cm	0.89 mg/L	0.67 NTU	105.7 mV	63.83 ft	0.15 PSU	210.00 ml/min
6/27/2023 11:36 AM	01:44:00	7.27 pH	18.11 °C	319.49 µS/cm	0.96 mg/L	0.64 NTU	105.9 mV	64.65 ft	0.15 PSU	170.00 ml/min
6/27/2023 11:40 AM	01:48:00	7.27 pH	18.36 °C	320.25 µS/cm	1.01 mg/L	0.57 NTU	105.7 mV	65.42 ft	0.15 PSU	170.00 ml/min
6/27/2023 11:44 AM	01:52:00	7.27 pH	18.51 °C	320.35 µS/cm	1.03 mg/L	0.60 NTU	105.9 mV	66.17 ft	0.15 PSU	150.00 ml/min
6/27/2023 11:48 AM	01:56:00	7.27 pH	18.42 °C	320.14 µS/cm	1.11 mg/L	0.56 NTU	105.5 mV	66.86 ft	0.15 PSU	150.00 ml/min
6/27/2023 11:52 AM	02:00:00	7.27 pH	18.41 °C	320.12 µS/cm	1.18 mg/L	0.58 NTU	105.7 mV	67.46 ft	0.15 PSU	130.00 ml/min
6/27/2023 11:56 AM	02:04:00	7.27 pH	18.87 °C	320.49 µS/cm	1.21 mg/L	0.57 NTU	105.1 mV	68.04 ft	0.15 PSU	130.00 ml/min
6/27/2023 12:00 PM	02:08:00	7.27 pH	19.08 °C	319.18 µS/cm	1.25 mg/L	0.55 NTU	104.4 mV	68.62 ft	0.15 PSU	120.00 ml/min
6/27/2023 12:04 PM	02:12:00	7.26 pH	19.22 °C	318.98 µS/cm	1.28 mg/L	0.62 NTU	102.2 mV	69.12 ft	0.15 PSU	120.00 ml/min
6/27/2023 12:08 PM	02:16:00	7.27 pH	19.12 °C	319.50 µS/cm	1.37 mg/L	0.56 NTU	102.5 mV	69.68 ft	0.15 PSU	110.00 ml/min
6/27/2023 12:12 PM	02:20:00	7.26 pH	19.25 °C	320.59 µS/cm	1.43 mg/L	0.58 NTU	102.7 mV	70.02 ft	0.15 PSU	110.00 ml/min
6/27/2023 12:16 PM	02:24:00	7.26 pH	19.33 °C	320.63 µS/cm	1.49 mg/L	0.50 NTU	103.5 mV	70.45 ft	0.15 PSU	100.00 ml/min
6/27/2023 12:20 PM	02:28:00	7.26 pH	19.49 °C	320.22 µS/cm	1.55 mg/L	0.48 NTU	102.1 mV	70.83 ft	0.15 PSU	100.00 ml/min
6/27/2023 12:24 PM	02:32:00	7.25 pH	19.96 °C	319.80 µS/cm	1.56 mg/L	0.58 NTU	101.7 mV	71.20 ft	0.15 PSU	90.00 ml/min
6/27/2023 12:28 PM	02:36:00	7.25 pH	20.12 °C	320.16 µS/cm	1.62 mg/L	0.37 NTU	101.6 mV	71.54 ft	0.15 PSU	90.00 ml/min
6/27/2023 12:32 PM	02:40:00	7.25 pH	20.34 °C	319.52 µS/cm	1.65 mg/L	0.48 NTU	102.6 mV	71.88 ft	0.15 PSU	80.00 ml/min
6/27/2023 12:36 PM	02:44:00	7.25 pH	20.39 °C	317.93 µS/cm	1.67 mg/L	0.33 NTU	102.4 mV	72.18 ft	0.15 PSU	80.00 ml/min
6/27/2023 12:40 PM	02:48:00	7.24 pH	20.60 °C	318.50 µS/cm	1.70 mg/L	0.61 NTU	101.6 mV	72.48 ft	0.15 PSU	70.00 ml/min

6/27/2023 12:44 PM	02:52:00	7.23 pH	20.91 °C	318.40 μS/cm	1.70 mg/L		101.5 mV		0.15 PSU	0.00 ml/min
6/27/2023 12:48 PM	02:56:00	7.22 pH	22.09 °C	318.01 μS/cm	1.68 mg/L		98.4 mV		0.15 PSU	0.00 ml/min
6/27/2023 12:52 PM	03:00:00	7.15 pH	23.41 °C	322.81 μS/cm	2.47 mg/L		91.2 mV		0.16 PSU	0.00 ml/min
6/27/2023 12:56 PM	03:04:00	7.18 pH	24.41 °C	320.95 μS/cm	1.98 mg/L		94.1 mV		0.15 PSU	0.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/27/2023 1:51:43 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.69 ft Total Depth: 66.69 ft Initial Depth to Water: 23.65 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 61.69 ft Estimated Total Volume Pumped: 62000 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 0.13 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Milky water

Prepurged 10L

Unable to sample, turbidity too high

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	
6/27/2023 1:51 PM	00:00	8.68 pH	19.27 °C	291.55 µS/cm	0.14 mg/L	935.00 NTU	143.6 mV	23.69 ft	250.00 ml/min
6/27/2023 1:55 PM	04:00	8.68 pH	19.02 °C	291.03 µS/cm	0.13 mg/L	944.00 NTU	156.5 mV	23.69 ft	250.00 ml/min
6/27/2023 1:59 PM	08:00	8.67 pH	19.22 °C	291.07 µS/cm	0.13 mg/L	938.00 NTU	159.6 mV	23.69 ft	250.00 ml/min
6/27/2023 2:03 PM	12:00	8.66 pH	19.16 °C	290.58 µS/cm	0.13 mg/L	955.00 NTU	161.1 mV	23.69 ft	250.00 ml/min
6/27/2023 2:07 PM	16:00	8.67 pH	18.98 °C	289.80 µS/cm	0.13 mg/L	968.00 NTU	161.7 mV	23.69 ft	250.00 ml/min
6/27/2023 2:11 PM	20:00	8.66 pH	19.02 °C	290.37 µS/cm	0.14 mg/L	950.00 NTU	162.2 mV	23.69 ft	250.00 ml/min
6/27/2023 2:15 PM	24:00	8.64 pH	19.20 °C	291.85 µS/cm	0.15 mg/L	959.00 NTU	162.1 mV	23.69 ft	250.00 ml/min
6/27/2023 2:19 PM	28:00	8.64 pH	19.18 °C	291.03 µS/cm	0.15 mg/L	950.00 NTU	162.0 mV	23.69 ft	250.00 ml/min
6/27/2023 2:23 PM	32:00	8.63 pH	19.14 °C	290.61 µS/cm	0.16 mg/L	957.00 NTU	162.5 mV	23.69 ft	250.00 ml/min
6/27/2023 2:27 PM	36:00	8.63 pH	19.30 °C	289.37 µS/cm	0.17 mg/L	949.00 NTU	162.8 mV	23.69 ft	250.00 ml/min
6/27/2023 2:31 PM	40:00	8.64 pH	19.29 °C	290.33 µS/cm	0.19 mg/L	951.00 NTU	162.9 mV	23.69 ft	250.00 ml/min
6/27/2023 2:35 PM	44:00	8.63 pH	19.25 °C	288.99 µS/cm	0.20 mg/L	969.00 NTU	163.6 mV	23.69 ft	250.00 ml/min
6/27/2023 2:39 PM	48:00	8.61 pH	19.42 °C	288.22 µS/cm	0.21 mg/L	953.00 NTU	164.2 mV	23.69 ft	250.00 ml/min
6/27/2023 2:43 PM	52:00	8.60 pH	19.47 °C	287.52 µS/cm	0.24 mg/L	969.00 NTU	164.5 mV	23.69 ft	250.00 ml/min
6/27/2023 2:47 PM	56:00	8.59 pH	19.53 °C	287.96 µS/cm	0.29 mg/L	943.00 NTU	163.7 mV	23.69 ft	250.00 ml/min

6/27/2023 2:51 PM	01:00:00	8.58 pH	19.51 °C	286.34 µS/cm	0.30 mg/L	958.00 NTU	165.2 mV	23.69 ft	250.00 ml/min
6/27/2023 2:55 PM	01:04:00	8.57 pH	19.37 °C	284.92 µS/cm	0.35 mg/L	960.00 NTU	164.7 mV	23.69 ft	250.00 ml/min
6/27/2023 2:59 PM	01:08:00	8.56 pH	19.37 °C	284.65 µS/cm	0.40 mg/L	971.00 NTU	164.9 mV	23.69 ft	250.00 ml/min
6/27/2023 3:03 PM	01:12:00	8.55 pH	19.40 °C	284.48 µS/cm	0.44 mg/L	974.00 NTU	165.3 mV	23.69 ft	250.00 ml/min
6/27/2023 3:07 PM	01:16:00	8.53 pH	19.47 °C	282.48 µS/cm	0.50 mg/L	947.00 NTU	165.9 mV	23.70 ft	250.00 ml/min
6/27/2023 3:11 PM	01:20:00	8.52 pH	19.59 °C	281.49 µS/cm	0.55 mg/L	950.00 NTU	166.3 mV	23.70 ft	250.00 ml/min
6/27/2023 3:15 PM	01:24:00	8.51 pH	19.44 °C	281.15 µS/cm	0.62 mg/L	946.00 NTU	166.5 mV	23.70 ft	250.00 ml/min
6/27/2023 3:19 PM	01:28:00	8.51 pH	19.15 °C	279.85 µS/cm	0.69 mg/L	933.00 NTU	166.8 mV	23.70 ft	250.00 ml/min
6/27/2023 3:23 PM	01:32:00	8.50 pH	19.07 °C	277.21 µS/cm	0.75 mg/L	934.00 NTU	166.5 mV	23.70 ft	250.00 ml/min
6/27/2023 3:27 PM	01:36:00	8.49 pH	19.20 °C	276.76 µS/cm	0.82 mg/L	914.00 NTU	166.6 mV	23.70 ft	250.00 ml/min
6/27/2023 3:31 PM	01:40:00	8.49 pH	19.25 °C	275.74 µS/cm	0.87 mg/L	903.00 NTU	166.2 mV	23.70 ft	250.00 ml/min
6/27/2023 3:35 PM	01:44:00	8.48 pH	19.50 °C	275.54 µS/cm	0.91 mg/L	881.00 NTU	166.0 mV	23.71 ft	250.00 ml/min
6/27/2023 3:39 PM	01:48:00	8.47 pH	19.24 °C	273.24 µS/cm	0.98 mg/L	873.00 NTU	166.6 mV	23.71 ft	250.00 ml/min
6/27/2023 3:43 PM	01:52:00	8.46 pH	19.18 °C	272.73 µS/cm	1.01 mg/L	839.00 NTU	166.4 mV	23.71 ft	250.00 ml/min
6/27/2023 3:47 PM	01:56:00	8.45 pH	19.07 °C	272.16 µS/cm	1.07 mg/L	789.00 NTU	165.5 mV	23.71 ft	250.00 ml/min
6/27/2023 3:51 PM	02:00:00	8.44 pH	19.07 °C	271.87 µS/cm	1.12 mg/L	759.00 NTU	165.4 mV	23.71 ft	250.00 ml/min
6/27/2023 3:55 PM	02:04:00	8.44 pH	18.94 °C	267.46 µS/cm	1.16 mg/L	718.00 NTU	164.8 mV	23.71 ft	250.00 ml/min
6/27/2023 3:59 PM	02:08:00	8.42 pH	19.26 °C	268.96 µS/cm	1.25 mg/L	685.00 NTU	164.9 mV	23.71 ft	250.00 ml/min
6/27/2023 4:03 PM	02:12:00	8.42 pH	19.09 °C	265.35 µS/cm	1.31 mg/L	646.00 NTU	165.0 mV	23.71 ft	250.00 ml/min
6/27/2023 4:07 PM	02:16:00	8.40 pH	19.11 °C	265.52 µS/cm	1.38 mg/L	608.00 NTU	164.6 mV	23.71 ft	250.00 ml/min
6/27/2023 4:11 PM	02:20:00	8.39 pH	18.95 °C	263.77 µS/cm	1.46 mg/L	100.00 NTU	164.3 mV	23.71 ft	250.00 ml/min
6/27/2023 4:15 PM	02:24:00	8.38 pH	19.05 °C	261.55 µS/cm	1.54 mg/L	111.00 NTU	164.3 mV	23.71 ft	250.00 ml/min
6/27/2023 4:19 PM	02:28:00	8.37 pH	19.16 °C	258.99 µS/cm	1.64 mg/L	80.00 NTU	163.4 mV	23.71 ft	250.00 ml/min
6/27/2023 4:23 PM	02:32:00	8.37 pH	19.22 °C	258.30 µS/cm	1.72 mg/L	69.00 NTU	163.5 mV	23.72 ft	250.00 ml/min
6/27/2023 4:27 PM	02:36:00	8.36 pH	19.27 °C	256.08 µS/cm	1.79 mg/L	67.00 NTU	163.8 mV	23.72 ft	250.00 ml/min
6/27/2023 4:31 PM	02:40:00	8.33 pH	19.38 °C	254.12 µS/cm	1.90 mg/L	60.00 NTU	164.4 mV	23.72 ft	250.00 ml/min
6/27/2023 4:35 PM	02:44:00	8.30 pH	19.77 °C	251.70 µS/cm	2.02 mg/L	56.00 NTU	165.1 mV	23.72 ft	250.00 ml/min
6/27/2023 4:39 PM	02:48:00	8.28 pH	19.78 °C	249.02 µS/cm	2.17 mg/L	59.00 NTU	165.9 mV	23.72 ft	250.00 ml/min
6/27/2023 4:43 PM	02:52:00	8.25 pH	19.91 °C	247.31 µS/cm	2.30 mg/L	51.00 NTU	165.7 mV	23.72 ft	250.00 ml/min

6/27/2023 4:47 PM	02:56:00	8.25 pH	19.52 °C	245.93 µS/cm	2.40 mg/L	45.00 NTU	166.3 mV	23.73 ft	250.00 ml/min
6/27/2023 4:51 PM	03:00:00	8.24 pH	19.51 °C	243.53 µS/cm	2.48 mg/L	40.00 NTU	166.9 mV	23.73 ft	250.00 ml/min
6/27/2023 4:55 PM	03:04:00	8.23 pH	19.80 °C	243.52 µS/cm	2.57 mg/L	39.00 NTU	166.8 mV	23.73 ft	250.00 ml/min
6/27/2023 4:59 PM	03:08:00	8.21 pH	19.81 °C	241.47 µS/cm	2.64 mg/L	36.00 NTU	166.9 mV	23.74 ft	250.00 ml/min
6/27/2023 5:03 PM	03:12:00	8.21 pH	19.31 °C	239.45 µS/cm	2.75 mg/L	32.00 NTU	167.2 mV	23.74 ft	250.00 ml/min
6/27/2023 5:07 PM	03:16:00	8.19 pH	19.27 °C	240.66 µS/cm	2.83 mg/L	25.00 NTU	167.2 mV	23.74 ft	250.00 ml/min
6/27/2023 5:11 PM	03:20:00	8.18 pH	19.31 °C	239.65 µS/cm	2.89 mg/L	33.00 NTU	166.4 mV	23.74 ft	250.00 ml/min
6/27/2023 5:15 PM	03:24:00	8.17 pH	19.47 °C	236.74 µS/cm	2.89 mg/L	30.00 NTU	167.2 mV	23.75 ft	250.00 ml/min
6/27/2023 5:19 PM	03:28:00	8.15 pH	19.63 °C	237.13 µS/cm	2.95 mg/L	28.00 NTU	167.3 mV	23.75 ft	250.00 ml/min
6/27/2023 5:23 PM	03:32:00	8.14 pH	19.69 °C	237.32 µS/cm	3.01 mg/L	21.00 NTU	167.3 mV	23.75 ft	250.00 ml/min
6/27/2023 5:27 PM	03:36:00	8.13 pH	19.91 °C	234.33 µS/cm	3.00 mg/L	20.00 NTU	168.1 mV	23.76 ft	250.00 ml/min
6/27/2023 5:31 PM	03:40:00	8.12 pH	19.78 °C	234.66 µS/cm	3.04 mg/L	19.00 NTU	168.0 mV	23.76 ft	250.00 ml/min
6/27/2023 5:35 PM	03:44:00	8.11 pH	19.60 °C	234.05 µS/cm	3.07 mg/L	14.00 NTU	168.8 mV	23.77 ft	250.00 ml/min
6/27/2023 5:39 PM	03:48:00	8.11 pH	19.56 °C	232.78 µS/cm	3.12 mg/L	8.00 NTU	169.3 mV	23.77 ft	250.00 ml/min
6/27/2023 5:43 PM	03:52:00	8.10 pH	19.69 °C	231.84 µS/cm	3.13 mg/L	10.00 NTU	169.2 mV	23.77 ft	250.00 ml/min
6/27/2023 5:47 PM	03:56:00	8.10 pH	19.43 °C	231.90 µS/cm	3.17 mg/L	12.00 NTU	170.3 mV	23.77 ft	250.00 ml/min
6/27/2023 5:51 PM	04:00:00	8.08 pH	19.33 °C	232.12 µS/cm	3.23 mg/L	11.00 NTU	170.7 mV	23.77 ft	250.00 ml/min
6/27/2023 5:55 PM	04:04:00	8.07 pH	19.41 °C	232.23 µS/cm	3.29 mg/L	81.55 NTU	171.5 mV	23.77 ft	250.00 ml/min
6/27/2023 5:59 PM	04:08:00	8.07 pH	19.51 °C	230.56 µS/cm	3.29 mg/L	78.84 NTU	171.5 mV	23.78 ft	250.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 6/27/2023 2:14:16 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 28.53 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 28880 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 65.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 35.32 L

Pulled bladder pump to inspect for issues. No issues observed. Bladder re-dropped and began pumping with a consistent rate.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/27/2023 2:14 PM	00:00	7.42 pH	19.67 °C	314.44 µS/cm	3.15 mg/L	45.80 NTU	93.4 mV	72.03 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:18 PM	04:00	7.41 pH	19.40 °C	315.86 µS/cm	2.89 mg/L	35.70 NTU	90.4 mV	72.68 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:22 PM	08:00	7.39 pH	19.58 °C	315.01 µS/cm	2.53 mg/L	23.40 NTU	89.7 mV	73.59 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:26 PM	12:00	7.37 pH	19.78 °C	313.73 µS/cm	2.14 mg/L	12.20 NTU	89.5 mV	74.53 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:30 PM	16:00	7.35 pH	19.62 °C	314.75 µS/cm	1.89 mg/L	8.11 NTU	91.4 mV	75.40 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:34 PM	20:00	7.34 pH	19.69 °C	316.97 µS/cm	1.70 mg/L	4.59 NTU	91.6 mV	76.22 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:38 PM	24:00	7.33 pH	19.84 °C	317.89 µS/cm	1.60 mg/L	3.29 NTU	92.6 mV	77.00 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:42 PM	28:00	7.31 pH	20.13 °C	319.58 µS/cm	1.55 mg/L	2.89 NTU	94.6 mV	77.75 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:46 PM	32:00	7.32 pH	20.25 °C	318.38 µS/cm	1.56 mg/L	2.59 NTU	95.5 mV	78.51 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:50 PM	36:00	7.32 pH	20.03 °C	319.99 µS/cm	1.53 mg/L	2.66 NTU	96.0 mV	79.23 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:54 PM	40:00	7.31 pH	20.24 °C	320.33 µS/cm	1.56 mg/L	2.27 NTU	96.8 mV	79.97 ft	0.15 PSU	200.00 ml/min
6/27/2023 2:58 PM	44:00	7.31 pH	20.29 °C	319.52 µS/cm	1.58 mg/L	2.06 NTU	98.2 mV	80.61 ft	0.15 PSU	200.00 ml/min
6/27/2023 3:02 PM	48:00	7.30 pH	20.29 °C	318.85 µS/cm	1.61 mg/L	2.09 NTU	98.8 mV	81.30 ft	0.15 PSU	200.00 ml/min
6/27/2023 3:06 PM	52:00	7.30 pH	20.51 °C	318.91 µS/cm	1.64 mg/L	1.87 NTU	100.4 mV	81.92 ft	0.15 PSU	200.00 ml/min
6/27/2023 3:10 PM	56:00	7.30 pH	20.64 °C	319.17 µS/cm	1.67 mg/L	1.89 NTU	100.2 mV	82.55 ft	0.15 PSU	200.00 ml/min

6/27/2023 3:14 PM	01:00:00	7.31 pH	20.67 °C	318.80 µS/cm	1.72 mg/L	1.58 NTU	100.9 mV	83.15 ft	0.15 PSU	200.00 ml/min
6/27/2023 3:18 PM	01:04:00	7.31 pH	20.58 °C	318.32 µS/cm	1.73 mg/L	1.66 NTU	102.0 mV	83.71 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:22 PM	01:08:00	7.31 pH	20.55 °C	317.64 µS/cm	1.79 mg/L	1.56 NTU	102.9 mV	84.19 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:26 PM	01:12:00	7.29 pH	21.00 °C	318.83 µS/cm	1.97 mg/L	1.59 NTU	102.3 mV	84.63 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:30 PM	01:16:00	7.29 pH	21.28 °C	318.49 µS/cm	2.03 mg/L	1.50 NTU	102.4 mV	85.03 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:34 PM	01:20:00	7.29 pH	21.88 °C	318.11 µS/cm	2.06 mg/L	1.49 NTU	102.3 mV	85.44 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:38 PM	01:24:00	7.28 pH	22.02 °C	315.97 µS/cm	2.04 mg/L	1.58 NTU	102.2 mV	85.82 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:42 PM	01:28:00	7.29 pH	22.04 °C	314.98 µS/cm	2.09 mg/L	1.40 NTU	102.9 mV	86.18 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:46 PM	01:32:00	7.29 pH	22.26 °C	315.31 µS/cm	2.14 mg/L	1.15 NTU	103.3 mV	86.55 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:50 PM	01:36:00	7.31 pH	21.99 °C	312.69 µS/cm	2.11 mg/L	1.37 NTU	103.5 mV	86.90 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:54 PM	01:40:00	7.31 pH	21.27 °C	312.25 µS/cm	2.17 mg/L	1.43 NTU	104.3 mV	87.22 ft	0.15 PSU	120.00 ml/min
6/27/2023 3:58 PM	01:44:00	7.30 pH	21.65 °C	312.93 µS/cm	2.23 mg/L	1.43 NTU	103.3 mV	87.55 ft	0.15 PSU	120.00 ml/min
6/27/2023 4:02 PM	01:48:00	7.30 pH	21.22 °C	311.50 µS/cm	2.27 mg/L	1.34 NTU	103.0 mV	87.85 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:06 PM	01:52:00	7.30 pH	21.89 °C	310.19 µS/cm	2.25 mg/L	1.30 NTU	103.9 mV	88.16 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:10 PM	01:56:00	7.30 pH	21.36 °C	310.52 µS/cm	2.32 mg/L	1.41 NTU	100.5 mV	88.48 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:14 PM	02:00:00	7.29 pH	22.01 °C	313.36 µS/cm	2.35 mg/L	1.32 NTU	101.6 mV	88.75 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:18 PM	02:04:00	7.28 pH	22.61 °C	312.68 µS/cm	2.35 mg/L	1.37 NTU	101.3 mV	89.02 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:22 PM	02:08:00	7.29 pH	22.56 °C	311.32 µS/cm	2.42 mg/L	1.21 NTU	101.6 mV	89.30 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:26 PM	02:12:00	7.28 pH	23.01 °C	311.19 µS/cm	2.47 mg/L	1.38 NTU	102.0 mV	89.57 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:30 PM	02:16:00	7.27 pH	23.32 °C	311.98 µS/cm	2.48 mg/L	1.26 NTU	102.4 mV	89.82 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:34 PM	02:20:00	7.28 pH	23.28 °C	311.60 µS/cm	2.55 mg/L	1.33 NTU	101.9 mV	90.06 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:38 PM	02:24:00	7.28 pH	23.41 °C	311.24 µS/cm	2.57 mg/L	1.37 NTU	101.8 mV	90.30 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:42 PM	02:28:00	7.29 pH	23.28 °C	310.72 µS/cm	2.58 mg/L	1.41 NTU	101.6 mV	90.54 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:46 PM	02:32:00	7.28 pH	23.43 °C	310.50 µS/cm	2.63 mg/L	1.40 NTU	101.7 mV	90.78 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:50 PM	02:36:00	7.28 pH	23.51 °C	310.95 µS/cm	2.64 mg/L	1.45 NTU	101.2 mV	91.01 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:54 PM	02:40:00	7.28 pH	23.49 °C	310.88 µS/cm	2.69 mg/L	1.48 NTU	101.3 mV	91.23 ft	0.15 PSU	100.00 ml/min
6/27/2023 4:58 PM	02:44:00	7.28 pH	23.62 °C	310.03 µS/cm	2.71 mg/L	1.36 NTU	101.6 mV	91.45 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:02 PM	02:48:00	7.30 pH	22.86 °C	307.04 µS/cm	2.71 mg/L	1.37 NTU	102.8 mV	91.65 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:06 PM	02:52:00	7.29 pH	22.56 °C	311.38 µS/cm	2.86 mg/L	1.39 NTU	102.5 mV	91.87 ft	0.15 PSU	100.00 ml/min

6/27/2023 5:10 PM	02:56:00	7.29 pH	23.44 °C	311.72 µS/cm	2.91 mg/L	1.37 NTU	102.5 mV	92.06 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:14 PM	03:00:00	7.29 pH	23.82 °C	311.08 µS/cm	2.90 mg/L	1.49 NTU	102.6 mV	92.22 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:18 PM	03:04:00	7.29 pH	23.98 °C	311.78 µS/cm	3.01 mg/L	1.28 NTU	102.4 mV	92.39 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:22 PM	03:08:00	7.30 pH	24.21 °C	310.50 µS/cm	3.12 mg/L	1.17 NTU	101.7 mV	92.56 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:26 PM	03:12:00	7.30 pH	24.18 °C	311.19 µS/cm	3.13 mg/L	1.26 NTU	101.6 mV	92.72 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:30 PM	03:16:00	7.30 pH	24.05 °C	309.93 µS/cm	3.13 mg/L	1.21 NTU	101.6 mV	92.88 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:34 PM	03:20:00	7.30 pH	24.32 °C	310.98 µS/cm	3.16 mg/L	1.12 NTU	101.4 mV	93.05 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:38 PM	03:24:00	7.29 pH	24.34 °C	310.44 µS/cm	3.14 mg/L	1.25 NTU	100.5 mV	93.20 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:42 PM	03:28:00	7.29 pH	24.60 °C	310.20 µS/cm	3.19 mg/L	1.30 NTU	101.1 mV	93.34 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:46 PM	03:32:00	7.28 pH	24.45 °C	309.08 µS/cm	3.20 mg/L	1.21 NTU	101.3 mV	93.48 ft	0.15 PSU	100.00 ml/min
6/27/2023 5:50 PM	03:36:00	7.29 pH	24.20 °C	309.33 µS/cm	3.18 mg/L	1.15 NTU	101.4 mV	93.61 ft	0.15 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-29R	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/28/2023 10:20:39 AM

Project: Bowen LF Expansion Background June 2023

Operator Name: William Laaker

Location Name: GWA-35 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.62 ft Total Depth: 68.62 ft Initial Depth to Water: 44.97 ft	Pump Type: QED Bladder Tubing Type: LDPE Pump Intake From TOC: 63.62 ft Estimated Total Volume Pumped: 5400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.22 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
6/28/2023 10:20 AM	00:00	7.39 pH	19.18 °C	449.01 µS/cm	1.64 mg/L	2.34 NTU	81.5 mV	45.19 ft	0.22 PSU	150.00 ml/min
6/28/2023 10:24 AM	04:00	7.40 pH	19.16 °C	449.87 µS/cm	1.28 mg/L	1.99 NTU	86.2 mV	45.19 ft	0.22 PSU	150.00 ml/min
6/28/2023 10:28 AM	08:00	7.41 pH	19.08 °C	454.59 µS/cm	1.05 mg/L	1.43 NTU	86.9 mV	45.19 ft	0.22 PSU	150.00 ml/min
6/28/2023 10:32 AM	12:00	7.42 pH	19.23 °C	458.74 µS/cm	0.89 mg/L	1.37 NTU	87.1 mV	45.19 ft	0.22 PSU	150.00 ml/min
6/28/2023 10:36 AM	16:00	7.43 pH	19.31 °C	462.45 µS/cm	0.74 mg/L	1.04 NTU	87.9 mV	45.19 ft	0.22 PSU	150.00 ml/min
6/28/2023 10:40 AM	20:00	7.43 pH	19.35 °C	467.29 µS/cm	0.66 mg/L	0.84 NTU	88.6 mV	45.19 ft	0.23 PSU	150.00 ml/min
6/28/2023 10:44 AM	24:00	7.43 pH	19.40 °C	467.04 µS/cm	0.61 mg/L	0.78 NTU	88.7 mV	45.19 ft	0.23 PSU	150.00 ml/min
6/28/2023 10:48 AM	28:00	7.42 pH	19.52 °C	469.38 µS/cm	0.58 mg/L	0.72 NTU	88.5 mV	45.19 ft	0.23 PSU	150.00 ml/min
6/28/2023 10:52 AM	32:00	7.41 pH	19.61 °C	467.85 µS/cm	0.53 mg/L	0.83 NTU	88.4 mV	45.19 ft	0.23 PSU	150.00 ml/min
6/28/2023 10:56 AM	36:00	7.40 pH	19.66 °C	469.79 µS/cm	0.50 mg/L	0.75 NTU	88.4 mV	45.19 ft	0.23 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-35	App I & II Metals, App III Metals, App IV Metals, Inorganics, Fluoride, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 6/28/2023 2:56:14 PM

Project: Bowen LF Expansion Background June 2023

Operator Name: Meredith Duncan

Location Name: GWA-33 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 56.69 ft Total Depth: 66.69 ft Initial Depth to Water: 27.23 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 61.69 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 200 ml/min Final Draw Down: 0.05 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Milky water
Prepurged 64L
Unable to sample, turbidity too high

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	
6/28/2023 2:56 PM	00:00	7.89 pH	18.72 °C	231.38 µS/cm	3.35 mg/L	35.40 NTU	145.7 mV	27.28 ft	200.00 ml/min
6/28/2023 3:00 PM	04:00	7.89 pH	18.44 °C	232.56 µS/cm	3.41 mg/L	35.50 NTU	149.5 mV	27.28 ft	200.00 ml/min
6/28/2023 3:04 PM	08:00	7.87 pH	18.39 °C	232.37 µS/cm	3.40 mg/L	35.70 NTU	153.1 mV	27.28 ft	200.00 ml/min
6/28/2023 3:08 PM	12:00	7.85 pH	18.59 °C	231.21 µS/cm	3.48 mg/L	36.20 NTU	155.0 mV	27.28 ft	200.00 ml/min

Samples

Sample ID:	Description:
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EQUIPMENT CALIBRATION LOG

Field Technician: <i>Meredith Duncan</i>	Date: <i>6/20/23</i>	Time (Calibration): <i>0900</i>	Time (Mid-Day Check): <i>1445</i>
Asset/Tool ID: <i>893479</i>	Turbidity Meter Type: <i>la motte</i>	SN: <i>6405-1416</i>	
Project: <i>Bowen LF</i>	Water Location: <i>75"</i>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pc, 100% water saturated air sat)				<i>100.30</i>	
Specific Conductance (µS/cm)	<i>22250153 11/23</i>	<i>23.15</i>	<i>4490</i>	<i>4050.3</i>	
pH (4)	<i>22250153 11/23</i>	<i>23.50</i>	<i>4</i>	<i>3.91</i>	
pH (7)	<i>2216893 11/23</i>	<i>23.17</i>	<i>7</i>	<i>6.89</i>	
pH (10)	<i>21320202 12/23</i>	<i>23.13</i>	<i>10</i>	<i>9.86</i>	
ORP (mV)	<i>21390144 11/23</i>	<i>23.17</i>	<i>228</i>	<i>224.6</i>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<i>0</i>	<i>0.02</i>	<i>±0.2 NTU</i>	Yes	No	
Turbidity 1 NTU	<i>1</i>	<i>0.75</i>	<i>±0.2 NTU</i>	Yes	No	
Turbidity 10 NTU	<i>10</i>	<i>9.64</i>	<i>±0.2 NTU</i>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<i>24.21</i>	<i>4</i>	<i>4.02</i>	<i>±0.1 SU</i>	Yes	No	
Mid-Day pH (7) check	<i>24.5</i>	<i>7</i>	<i>6.97</i>	<i>±0.1 SU</i>	Yes	No	
Mid-Day pH (10) check	<i>24.54</i>	<i>10</i>	<i>10.00</i>	<i>±0.1 SU</i>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacker	Date: 6/20/23	Time (Calibration): 8:54	Time (Mid-day Check): 14:50
AcuTrol SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: June 2023 LF Background #1	Weather Conditions: 80°/66° cloudy 80% storms		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				97.46	
Specific Conductance (µS/cm)	22250153 11/23	23.14	4490	4465.5	
pH (6)	22250153 11/23	23.26	4	4.399	
pH (7)	2216893 11/23	23.28	7	7.01	
pH (10)	21320202 12/23	23.37	10	10.04	
ORP (mV)	21398144 11/23	23.14	228	228.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.10	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.27	4	4.09	±0.1 SU	Yes	No	
Mid-Day pH (7) check	24.07	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	23.78	10	10.06	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG



Field Technician: Mercedith Duncan Date: 6/21/23 Time (Calibration): 08:30 Time (Mid-Day Check): 1620
 Asset/Trail ID: 893479 Turbidity Meter Type: la Motte SN: 6405-1416
 Project: Brown LF Weather Conditions: 70" Rain

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp. 100% water saturated air sat)				79.60	
Specific Conductance (µS/cm)	21470032 04/23	21.47	4490	4068.5	
pH (4)	21470032 04/23	21.58	4	4.02	
pH (7)	21380102 04/23	21.65	7	7.00	
pH (10)	20880056 04/23	21.73	10	10.00	
ORP (mV)	21148143 04/23	21.74	228	231.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.03	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.73	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.56	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.06	4	4.05	±0.1 SU	Yes	No	
Mid-Day pH (7) check	24.07	7	7.04	±0.1 SU	Yes	No	
Mid-Day pH (10) check	24.02	10	10.01	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacker	Date: 6/21/23	Time (Calibration): 8:35	Time (Mid-day Check): 16:20
Appl/ID/SSN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: June 2023 LF Background #1	Weather Conditions: 72°/67° rain 80% storms		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				99.75	
Specific Conductance (µS/cm)	22250153 11/23	21.09	4490	4524.8	
pH (4)	22250153 11/23	21.10	4	4.00	
pH (7)	2216893 11/23	21.51	7	7.02	
pH (10)	21320202 12/23	21.68	10	9.98	
ORP (mV)	21390144 11/23	21.62	228	228.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.04	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.09	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.83	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	23.24	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	23.18	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	23.37	10	10.06	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <i>Vinodh Dissanayake</i>	Date: <i>6/23/23</i>	Time (Calibration): <i>0830</i>	Time (Mid-day Check): <i>1500</i>
Apparatus SN: <i>893479</i>	Factory Model Type: <i>la Motte</i>	SN: <i>6405-1416</i>	
Project: <i>Bowen LF</i>	Weather Conditions: <i>70° Fog</i>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Dp, 100% water saturated air sat)				<i>98.02</i>	
Specific Conductance (µS/cm)	<i>21470032 04/23</i>	<i>20.18</i>	<i>4490</i>	<i>4438.6</i>	
pH (4)	<i>21470032 04/23</i>	<i>20.22</i>	<i>4</i>	<i>3.98</i>	
pH (7)	<i>21380102 04/23</i>	<i>20.41</i>	<i>7</i>	<i>7.03</i>	
pH (10)	<i>20080056 04/23</i>	<i>20.49</i>	<i>10</i>	<i>10.05</i>	
ORP (mV)	<i>21140143 04/23</i>	<i>20.53</i>	<i>228</i>	<i>233.7</i>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<i>0</i>	<i>0.00</i>	<i>±0.5 NTU</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Turbidity 1 NTU	<i>1</i>	<i>1.09</i>	<i>±0.5 NTU</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Turbidity 10 NTU	<i>10</i>	<i>10.34</i>	<i>±0.5 NTU</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<i>29.62</i>	<i>4</i>	<i>4.06</i>	<i>±0.1 SU</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Mid-Day pH (7) check	<i>29.15</i>	<i>7</i>	<i>7.06</i>	<i>±0.1 SU</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Mid-Day pH (10) check	<i>30.48</i>	<i>10</i>	<i>9.95</i>	<i>±0.1 SU</i>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Loaker	Date: 6/23/23	Time (Calibration): 8:40	Time (Mid-Day Check): 15:00
Appt/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: June 2023 LF Background #1	Weather Conditions: 81°/64° Fog, mist 50% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				98.47	
Specific Conductance (µS/cm)	22250153 11/23	20.16	4490	4471 ⁵²	
pH (4)	22250153 11/23	20.22	4	4.01	
pH (7)	2216893 11/23	20.44	7	7.01	
pH (10)	21320202 12/23	20.55	10	10.07	
ORP (mV)	21390144 11/23	20.58	228	227.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.26	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.97	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	27.77	4	4.18	±0.1 SU	Yes	No	
Mid-Day pH (7) check	27.31	7	7.17	±0.1 SU	Yes	No	
Mid-Day pH (10) check	28.93	10	10.20	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Operator: Meredith Duncan Date: 6/26/23 Time (Calibration): 0840 Time (Mid-day Check): 1600
 Aquatool ID: 89 3479 Turbidity Meter Type: la Motte SN: 6405-1416
 Project: Bowen LF Water Condition: 69°

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp. 10% water saturated air cal)				102.95	
Specific Conductance (µS/cm)	22250153 11/23	22.15	4490	49915.2	
pH (6)	22250153 11/23	22.25	4	4.04	
pH (7)	2216893 11/23	22.23	7	7.05	
pH (8)	21320202 12/23	22.17	10	10.09	
ORP (mV)	21390144 11/23	22.12	228	230.6	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.63	±0.3 NTU	Yes	No	
Turbidity 10 NTU	10	10.25	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	31.35	4	4.12	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.97	7	6.94	±0.1 SU	Yes	No	
Mid-Day pH (8) check	31.80	10	9.77	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Leaker	Date: 6/26/23	Tuna (Calibration): 842	Tuna (Mid-Day Check): 15 25
Asset/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: June 2023 LF Background #1	Weather Conditions: 91°/64° partly sunny 30% rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Sp. 100% water saturated air sat)				101.26	
Specific Conductance (µS/cm)	22250153 11/23	21.62	4490	4511.4	
pH (4)	22250153 11/23	21.80	4	4.08	
pH (7)	2216893 11/23	22.31	7	7.08	
pH (10)	21320202 12/23	22.30	10	10.07	
ORP (mV)	21390144 11/23	22.21	228	221.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.01	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.21	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	29.18	4	4.03	±0.1 SU	Yes	No	
Mid-Day pH (7) check	29.67	7	7.08	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.64	10	10.06	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Meredith Duran</u>	Date: <u>6/27/23</u>	Time (Calibration): <u>0840</u>	Time (Mid-Day Check): <u>1830</u>
Instrument SN: <u>893479</u>	Turbidity Meter Type: <u>LaMotte</u>		SN: <u>6405-1416</u>
Param: <u>Bowen LF</u>	Weather/Conditions: <u>80° Sunny</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (tip, 100% water saturated air cal)				99.57	
Specific Conductance (µS/cm)	22250153 11/23	24.02	4490	4501.5	
pH (4)	22250153 11/23	24.56	4	3.92	
pH (7)	2216893 11/23	25.05	7	7.08	
pH (10)	21320202 12/23	25.20	10	10.20	
ORP (mV)	21390144 11/23	24.88	228	222.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.94	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.18	±0.3 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Pre-Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	24.10	4	4.02	±0.1 SU	Yes	No	
Mid-Day pH (7) check	29.56	7	7.06	±0.1 SU	Yes	No	
Mid-Day pH (10) check	30.01	10	10.07	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lecker	Date: 6/27/23	Time (Calibration): 8:37	Time (Mid-day Check): 19:25
Asset/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: June 2023 LF Background #1	Weather Conditions: 89°/65° sunny		

Calibration Log

	Standard Lot #/Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				102.07	
Specific Conductance (µS/cm)	22250153 11/23	24.18	4490	4520.0	
pH (4)	22250153 11/23	24.41	4	4.01	
pH (7)	2216893 11/23	25.04	7	7.04	
pH (10)	21320202 12/23	25.23	10	10.05	
ORP (mV)	21390144 11/23	24.77	228	223.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.15	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.89	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	30.70	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.89	7	7.09	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.90	10	9.98	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Lacker	Date: 6/28/23	Time (Calibration): 8:45	Time (Mid-day Check): 15:15
Asset/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 9453-4417	
Project: June 2023 LF Background #1	Weather Conditions: 91°/64° sunny		

Calibration Log

	Standard Lot #/Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				98.67	
Specific Conductance (µS/cm)	22250153 11/23	21.00	4490	4453.2	
pH (4)	22250153 11/23	21.05	4	4.00	
pH (7)	2216893 11/23	21.00	7	7.04	
pH (10)	21320202 12/23	21.02	10	10.02	
ORP (mV)	21390144 11/23	21.09	228	234.5	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.02	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.21	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	10.10	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	31.18	4	4.10	±0.1 SU	Yes	No	
Mid-Day pH (7) check	30.00	7	7.14	±0.1 SU	Yes	No	
Mid-Day pH (10) check	31.06	10	10.15	±0.1 SU	Yes	No	

Low-Flow Test Report:

Test Date / Time: 8/7/2023 10:22:40 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 35.6 ft Total Depth: 45.6 ft Initial Depth to Water: 25.05 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 40.6 ft Estimated Total Volume Pumped: 4800 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/7/2023 10:22 AM	00:00	6.65 pH	20.22 °C	310.79 µS/cm	5.34 mg/L	5.10 NTU	172.9 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:26 AM	04:00	6.90 pH	19.86 °C	308.79 µS/cm	5.31 mg/L	9.40 NTU	159.6 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:30 AM	08:00	7.05 pH	19.67 °C	306.16 µS/cm	5.22 mg/L	8.70 NTU	158.4 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:34 AM	12:00	7.16 pH	19.83 °C	306.03 µS/cm	5.16 mg/L	7.49 NTU	156.2 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:38 AM	16:00	7.23 pH	19.96 °C	308.17 µS/cm	5.08 mg/L	7.19 NTU	156.5 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:42 AM	20:00	7.28 pH	19.78 °C	308.08 µS/cm	5.06 mg/L	5.66 NTU	157.1 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:46 AM	24:00	7.31 pH	20.00 °C	309.48 µS/cm	5.03 mg/L	4.87 NTU	156.4 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:50 AM	28:00	7.33 pH	20.05 °C	310.21 µS/cm	5.02 mg/L	3.94 NTU	156.8 mV	25.08 ft	0.15 PSU	150.00 ml/min
8/7/2023 10:54 AM	32:00	7.34 pH	20.53 °C	311.36 µS/cm	4.98 mg/L	3.72 NTU	157.6 mV	25.08 ft	0.15 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-27	Metals, App IV Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 10:56:10 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.7 ft Total Depth: 61.7 ft Initial Depth to Water: 28.42 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 56.7 ft Estimated Total Volume Pumped: 3640 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 3 L

Fine white flaky sediment in water at the start of pumping.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 10:56 AM	00:00	7.09 pH	22.76 °C	278.39 µS/cm	0.82 mg/L	2.92 NTU	166.1 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:00 AM	04:00	7.26 pH	21.67 °C	276.46 µS/cm	0.45 mg/L	2.41 NTU	123.1 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:04 AM	08:00	7.34 pH	21.76 °C	277.48 µS/cm	0.42 mg/L	2.32 NTU	113.5 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:08 AM	12:00	7.40 pH	21.63 °C	279.00 µS/cm	0.42 mg/L	1.64 NTU	110.4 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:12 AM	16:00	7.44 pH	21.85 °C	276.25 µS/cm	0.42 mg/L	1.48 NTU	109.3 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:16 AM	20:00	7.46 pH	21.40 °C	279.71 µS/cm	0.46 mg/L	1.50 NTU	109.2 mV	28.43 ft	0.13 PSU	130.00 ml/min
8/7/2023 11:20 AM	24:00	7.46 pH	21.33 °C	281.87 µS/cm	0.48 mg/L	1.70 NTU	108.7 mV	28.43 ft	0.14 PSU	130.00 ml/min
8/7/2023 11:24 AM	28:00	7.48 pH	21.22 °C	279.84 µS/cm	0.49 mg/L	1.44 NTU	108.5 mV	28.43 ft	0.13 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-29	Metals, Inorganics, Alkalinity, TDS, Radium
FD-01	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 11:15:02 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Kevin Stephenson

Location Name: GWC-26 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.88 ft Total Depth: 41.88 ft Initial Depth to Water: 24.96 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 36.88 ft Estimated Total Volume Pumped: 3840 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 2 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 11:15 AM	00:00	7.17 pH	22.16 °C	315.27 µS/cm	5.24 mg/L	0.19 NTU	219.7 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:19 AM	04:00	7.29 pH	21.88 °C	315.99 µS/cm	5.20 mg/L	0.07 NTU	211.8 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:23 AM	08:00	7.35 pH	21.80 °C	315.77 µS/cm	5.15 mg/L	0.31 NTU	205.3 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:27 AM	12:00	7.40 pH	21.63 °C	316.74 µS/cm	5.10 mg/L	0.66 NTU	200.5 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:31 AM	16:00	7.41 pH	21.98 °C	319.11 µS/cm	4.97 mg/L	0.14 NTU	196.6 mV	24.98 ft	0.15 PSU	160.00 ml/min
8/7/2023 11:35 AM	20:00	7.41 pH	22.47 °C	322.46 µS/cm	4.78 mg/L	0.03 NTU	193.5 mV	24.98 ft	0.16 PSU	160.00 ml/min
8/7/2023 11:39 AM	24:00	7.41 pH	22.39 °C	328.49 µS/cm	4.63 mg/L	0.02 NTU	190.8 mV	24.98 ft	0.16 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-26	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 12:24:57 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-27R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 82.44 ft Total Depth: 92.44 ft Initial Depth to Water: 25.08 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 87.44 ft Estimated Total Volume Pumped: 12037.417 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.52 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/7/2023 12:24 PM	00:00	7.10 pH	25.67 °C	336.17 µS/cm	0.41 mg/L	4.49 NTU	-33.9 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:28 PM	04:00	7.10 pH	25.55 °C	336.53 µS/cm	0.39 mg/L	3.18 NTU	-39.9 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:32 PM	08:00	7.09 pH	25.88 °C	337.80 µS/cm	0.42 mg/L	2.43 NTU	-49.7 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:36 PM	12:00	7.09 pH	26.06 °C	332.39 µS/cm	0.49 mg/L	1.92 NTU	-55.3 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:40 PM	16:00	7.10 pH	26.11 °C	324.18 µS/cm	0.62 mg/L	1.81 NTU	-54.3 mV	25.45 ft	0.16 PSU	100.00 ml/min
8/7/2023 12:44 PM	20:00	7.08 pH	25.79 °C	321.32 µS/cm	0.78 mg/L	7.95 NTU	-48.6 mV	25.45 ft	0.15 PSU	100.00 ml/min
8/7/2023 12:48 PM	24:00	7.06 pH	25.43 °C	321.99 µS/cm	0.92 mg/L	4.62 NTU	-47.3 mV	25.48 ft	0.15 PSU	115.00 ml/min
8/7/2023 12:50 PM	25:43	7.06 pH	25.67 °C	321.80 µS/cm	0.95 mg/L	4.62 NTU	-107.8 mV	25.48 ft	0.15 PSU	115.00 ml/min
8/7/2023 12:54 PM	29:43	7.06 pH	25.34 °C	318.77 µS/cm	1.05 mg/L	6.82 NTU	-41.9 mV	25.48 ft	0.15 PSU	115.00 ml/min
8/7/2023 12:58 PM	33:43	7.06 pH	25.41 °C	318.76 µS/cm	1.19 mg/L	5.77 NTU	-41.3 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:02 PM	37:43	7.06 pH	25.46 °C	317.15 µS/cm	1.31 mg/L	5.43 NTU	-37.8 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:06 PM	41:43	7.08 pH	24.81 °C	314.55 µS/cm	1.50 mg/L	8.91 NTU	-34.9 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:10 PM	45:43	7.09 pH	25.08 °C	314.50 µS/cm	1.54 mg/L	3.86 NTU	-29.7 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:14 PM	49:43	7.10 pH	25.24 °C	313.29 µS/cm	1.62 mg/L	3.17 NTU	-32.3 mV	25.50 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:18 PM	53:43	7.13 pH	24.92 °C	310.90 µS/cm	1.74 mg/L	2.77 NTU	-30.8 mV	25.52 ft	0.15 PSU	115.00 ml/min

8/7/2023 1:22 PM	57:43	7.13 pH	24.71 °C	310.42 µS/cm	1.84 mg/L	3.76 NTU	-25.4 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:26 PM	01:01:43	7.14 pH	24.44 °C	307.88 µS/cm	1.95 mg/L	7.51 NTU	-18.5 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:30 PM	01:05:43	7.14 pH	24.22 °C	306.72 µS/cm	2.03 mg/L	8.51 NTU	-17.1 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:34 PM	01:09:43	7.13 pH	24.51 °C	305.67 µS/cm	2.18 mg/L	6.70 NTU	-10.8 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:38 PM	01:13:43	7.12 pH	24.61 °C	305.49 µS/cm	2.28 mg/L	7.51 NTU	-10.3 mV	25.52 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:42 PM	01:17:43	7.13 pH	24.18 °C	302.86 µS/cm	2.36 mg/L	6.68 NTU	-4.4 mV	25.53 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:46 PM	01:21:43	7.11 pH	24.45 °C	303.93 µS/cm	2.43 mg/L	8.45 NTU	-2.8 mV	25.53 ft	0.15 PSU	115.00 ml/min
8/7/2023 1:50 PM	01:25:43	7.11 pH	24.50 °C	301.33 µS/cm	2.53 mg/L	7.20 NTU	-0.6 mV	25.53 ft	0.14 PSU	115.00 ml/min
8/7/2023 1:54 PM	01:29:43	7.17 pH	24.75 °C	301.19 µS/cm	3.13 mg/L	4.58 NTU	5.1 mV	25.55 ft	0.14 PSU	130.00 ml/min
8/7/2023 1:58 PM	01:33:43	7.17 pH	24.11 °C	301.89 µS/cm	2.89 mg/L	1.47 NTU	6.6 mV	25.60 ft	0.15 PSU	130.00 ml/min
8/7/2023 2:02 PM	01:37:43	7.15 pH	24.09 °C	302.65 µS/cm	2.74 mg/L	1.62 NTU	4.8 mV	25.60 ft	0.15 PSU	130.00 ml/min
8/7/2023 2:06 PM	01:41:43	7.15 pH	24.12 °C	300.29 µS/cm	2.94 mg/L	1.60 NTU	12.5 mV	25.60 ft	0.14 PSU	130.00 ml/min
8/7/2023 2:10 PM	01:45:43	7.18 pH	24.07 °C	298.30 µS/cm	2.99 mg/L	0.85 NTU	16.3 mV	25.60 ft	0.14 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWC-27R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 1:23:38 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWA-34R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 91.4 ft Total Depth: 101.4 ft Initial Depth to Water: 21.2 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 96.4 ft Estimated Total Volume Pumped: 3600 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 1:23 PM	00:00	6.66 pH	23.55 °C	366.21 µS/cm	0.48 mg/L	5.36 NTU	59.4 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:27 PM	04:00	6.52 pH	22.43 °C	371.84 µS/cm	0.28 mg/L	5.25 NTU	53.3 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:31 PM	08:00	6.47 pH	22.28 °C	371.82 µS/cm	0.22 mg/L	7.59 NTU	46.7 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:35 PM	12:00	6.46 pH	22.15 °C	370.65 µS/cm	0.20 mg/L	1.81 NTU	41.3 mV	21.25 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:39 PM	16:00	6.46 pH	22.34 °C	371.87 µS/cm	0.19 mg/L	3.39 NTU	36.7 mV	21.26 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:43 PM	20:00	6.45 pH	21.94 °C	371.54 µS/cm	0.18 mg/L	3.16 NTU	33.6 mV	21.26 ft	0.18 PSU	150.00 ml/min
8/7/2023 1:47 PM	24:00	6.45 pH	22.07 °C	370.95 µS/cm	0.17 mg/L	3.29 NTU	30.2 mV	21.26 ft	0.18 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-34R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/7/2023 1:34:27 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Kevin Stephenson

Location Name: GWA-34 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.36 ft Total Depth: 68.36 ft Initial Depth to Water: 21.45 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 63.36 ft Estimated Total Volume Pumped: 3200 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.04 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 3 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/7/2023 1:34 PM	00:00	6.10 pH	24.87 °C	196.41 µS/cm	0.16 mg/L	7.40 NTU	68.0 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:38 PM	04:00	6.08 pH	25.02 °C	198.12 µS/cm	0.15 mg/L	6.43 NTU	71.0 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:42 PM	08:00	6.10 pH	23.61 °C	196.32 µS/cm	0.14 mg/L	5.49 NTU	73.6 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:46 PM	12:00	6.08 pH	24.23 °C	198.57 µS/cm	0.13 mg/L	4.25 NTU	72.0 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:50 PM	16:00	6.08 pH	24.82 °C	198.45 µS/cm	0.12 mg/L	3.95 NTU	70.1 mV	21.49 ft	0.09 PSU	160.00 ml/min
8/7/2023 1:54 PM	20:00	6.07 pH	25.07 °C	197.77 µS/cm	0.12 mg/L	3.49 NTU	69.0 mV	21.49 ft	0.09 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWA-34	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2023 9:50:44 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWA-33R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.75 ft Total Depth: 112.75 ft Initial Depth to Water: 23.85 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 107.75 ft Estimated Total Volume Pumped: 6000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.01 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/8/2023 9:50 AM	00:00	7.21 pH	19.97 °C	250.30 µS/cm	3.03 mg/L	5.96 NTU	154.8 mV	23.85 ft	0.12 PSU	150.00 ml/min
8/8/2023 9:54 AM	04:00	7.31 pH	19.82 °C	253.28 µS/cm	2.98 mg/L	8.31 NTU	145.5 mV	23.85 ft	0.12 PSU	150.00 ml/min
8/8/2023 9:58 AM	08:00	7.37 pH	19.65 °C	252.31 µS/cm	2.90 mg/L	8.63 NTU	145.7 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:02 AM	12:00	7.40 pH	19.55 °C	250.92 µS/cm	2.87 mg/L	7.39 NTU	147.3 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:06 AM	16:00	7.40 pH	19.66 °C	252.84 µS/cm	2.84 mg/L	6.64 NTU	147.9 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:10 AM	20:00	7.41 pH	20.03 °C	251.83 µS/cm	2.80 mg/L	5.79 NTU	149.3 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:14 AM	24:00	7.42 pH	19.73 °C	249.30 µS/cm	2.77 mg/L	3.95 NTU	150.7 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:18 AM	28:00	7.42 pH	19.55 °C	251.49 µS/cm	2.75 mg/L	4.46 NTU	151.7 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:22 AM	32:00	7.42 pH	19.79 °C	251.15 µS/cm	2.70 mg/L	3.91 NTU	152.8 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:26 AM	36:00	7.41 pH	19.85 °C	251.23 µS/cm	2.68 mg/L	2.80 NTU	153.3 mV	23.86 ft	0.12 PSU	150.00 ml/min
8/8/2023 10:30 AM	40:00	7.40 pH	20.06 °C	250.73 µS/cm	2.64 mg/L	2.29 NTU	153.3 mV	23.86 ft	0.12 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-33R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2023 10:32:42 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-28 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.33 ft Total Depth: 47.33 ft Initial Depth to Water: 24.14 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 42.33 ft Estimated Total Volume Pumped: 4840 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 4.36 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/8/2023 10:32 AM	00:00	7.29 pH	21.27 °C	282.23 µS/cm	1.34 mg/L	4.75 NTU	104.9 mV	26.91 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:36 AM	04:00	7.30 pH	21.12 °C	284.35 µS/cm	1.15 mg/L	3.30 NTU	113.7 mV	27.11 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:40 AM	08:00	7.30 pH	21.17 °C	289.29 µS/cm	0.88 mg/L	5.09 NTU	114.5 mV	27.37 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:44 AM	12:00	7.31 pH	21.15 °C	294.34 µS/cm	0.78 mg/L	5.81 NTU	115.8 mV	27.59 ft	0.14 PSU	110.00 ml/min
8/8/2023 10:48 AM	16:00	7.31 pH	21.27 °C	302.14 µS/cm	0.65 mg/L	4.68 NTU	115.4 mV	27.77 ft	0.15 PSU	110.00 ml/min
8/8/2023 10:52 AM	20:00	7.32 pH	21.20 °C	307.40 µS/cm	0.64 mg/L	4.40 NTU	115.5 mV	27.93 ft	0.15 PSU	110.00 ml/min
8/8/2023 10:56 AM	24:00	7.32 pH	21.14 °C	313.99 µS/cm	0.60 mg/L	6.07 NTU	115.1 mV	28.07 ft	0.15 PSU	110.00 ml/min
8/8/2023 11:00 AM	28:00	7.31 pH	21.13 °C	323.69 µS/cm	0.59 mg/L	3.05 NTU	113.3 mV	28.19 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:04 AM	32:00	7.30 pH	21.32 °C	330.74 µS/cm	0.54 mg/L	2.18 NTU	109.4 mV	28.29 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:08 AM	36:00	7.30 pH	21.30 °C	339.15 µS/cm	0.51 mg/L	4.18 NTU	107.9 mV	28.37 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:12 AM	40:00	7.29 pH	21.36 °C	341.23 µS/cm	0.48 mg/L	4.05 NTU	105.5 mV	28.44 ft	0.16 PSU	110.00 ml/min
8/8/2023 11:16 AM	44:00	7.30 pH	21.62 °C	346.14 µS/cm	0.44 mg/L	3.46 NTU	106.4 mV	28.50 ft	0.17 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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GWC-28

Metals, Inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/8/2023 12:01:59 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWA-57 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.17 ft Total Depth: 81.17 ft Initial Depth to Water: 23.57 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 76.17 ft Estimated Total Volume Pumped: 15240 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.27 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/8/2023 12:01 PM	00:00	7.41 pH	21.39 °C	309.18 µS/cm	0.38 mg/L	2.32 NTU	84.5 mV	23.78 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:05 PM	04:00	7.41 pH	21.11 °C	312.06 µS/cm	0.27 mg/L	1.91 NTU	76.2 mV	23.79 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:09 PM	08:00	7.42 pH	20.76 °C	311.24 µS/cm	0.22 mg/L	2.52 NTU	66.4 mV	23.80 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:13 PM	12:00	7.43 pH	20.62 °C	310.83 µS/cm	0.19 mg/L	3.03 NTU	49.6 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:17 PM	16:00	7.43 pH	20.40 °C	312.19 µS/cm	0.18 mg/L	3.23 NTU	34.8 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:21 PM	20:00	7.40 pH	20.40 °C	317.79 µS/cm	0.17 mg/L	3.05 NTU	17.1 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:25 PM	24:00	7.35 pH	20.62 °C	318.54 µS/cm	0.16 mg/L	4.17 NTU	3.5 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:29 PM	28:00	7.33 pH	20.66 °C	319.47 µS/cm	0.15 mg/L	3.47 NTU	-2.6 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:33 PM	32:00	7.31 pH	20.98 °C	320.75 µS/cm	0.16 mg/L	4.38 NTU	-6.1 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:37 PM	36:00	7.31 pH	20.94 °C	319.01 µS/cm	0.15 mg/L	4.54 NTU	-10.1 mV	23.81 ft	0.15 PSU	130.00 ml/min
8/8/2023 12:41 PM	40:00	7.32 pH	20.62 °C	317.26 µS/cm	0.15 mg/L	4.28 NTU	-6.9 mV	23.81 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:45 PM	44:00	7.32 pH	20.42 °C	320.48 µS/cm	0.14 mg/L	3.58 NTU	-9.3 mV	23.82 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:49 PM	48:00	7.32 pH	20.54 °C	319.35 µS/cm	0.13 mg/L	4.37 NTU	-13.7 mV	23.82 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:53 PM	52:00	7.32 pH	20.64 °C	316.93 µS/cm	0.13 mg/L	4.76 NTU	-13.7 mV	23.82 ft	0.15 PSU	140.00 ml/min
8/8/2023 12:57 PM	56:00	7.32 pH	20.36 °C	316.52 µS/cm	0.12 mg/L	5.18 NTU	-15.3 mV	23.82 ft	0.15 PSU	150.00 ml/min

8/8/2023 1:01 PM	01:00:00	7.33 pH	20.01 °C	318.49 µS/cm	0.11 mg/L	5.21 NTU	-15.8 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:05 PM	01:04:00	7.33 pH	20.02 °C	316.76 µS/cm	0.10 mg/L	4.59 NTU	-12.8 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:09 PM	01:08:00	7.33 pH	19.87 °C	318.35 µS/cm	0.10 mg/L	4.54 NTU	-16.6 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:13 PM	01:12:00	7.32 pH	20.00 °C	318.46 µS/cm	0.10 mg/L	5.03 NTU	-18.9 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:17 PM	01:16:00	7.32 pH	20.55 °C	319.17 µS/cm	0.10 mg/L	5.27 NTU	-21.3 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:21 PM	01:20:00	7.32 pH	20.40 °C	316.17 µS/cm	0.09 mg/L	4.44 NTU	-23.0 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:25 PM	01:24:00	7.32 pH	20.49 °C	317.52 µS/cm	0.09 mg/L	4.06 NTU	-25.3 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:29 PM	01:28:00	7.32 pH	20.50 °C	316.67 µS/cm	0.09 mg/L	4.49 NTU	-24.5 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:33 PM	01:32:00	7.32 pH	20.94 °C	318.78 µS/cm	0.09 mg/L	5.66 NTU	-31.5 mV	23.83 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:37 PM	01:36:00	7.33 pH	21.02 °C	316.81 µS/cm	0.08 mg/L	5.41 NTU	-29.6 mV	23.84 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:41 PM	01:40:00	7.33 pH	20.73 °C	318.31 µS/cm	0.08 mg/L	4.66 NTU	-25.1 mV	23.84 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:45 PM	01:44:00	7.34 pH	20.64 °C	317.78 µS/cm	0.08 mg/L	3.54 NTU	-25.5 mV	23.84 ft	0.15 PSU	150.00 ml/min
8/8/2023 1:49 PM	01:48:00	7.34 pH	20.46 °C	316.69 µS/cm	0.08 mg/L	2.76 NTU	-25.4 mV	23.84 ft	0.15 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-57	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/8/2023 1:55:21 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

<p>Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 34.11 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 6920 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 7.17 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789310</p>
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Test Notes:

Prepurged 2 L

Lowered pump rate to 110 mL/min at 16:00 in attempt to stabilize drawdown and lower turbidity. DTW fell into screen interval.

Complete evac performed.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/8/2023 1:55 PM	00:00	7.25 pH	19.98 °C	367.77 µS/cm	8.75 mg/L	9.10 NTU	100.6 mV	36.90 ft	0.18 PSU	130.00 ml/min
8/8/2023 1:59 PM	04:00	7.29 pH	19.84 °C	368.70 µS/cm	9.08 mg/L	7.80 NTU	110.2 mV	37.22 ft	0.18 PSU	130.00 ml/min
8/8/2023 2:03 PM	08:00	7.33 pH	19.76 °C	371.04 µS/cm	9.15 mg/L	6.24 NTU	113.6 mV	37.68 ft	0.18 PSU	130.00 ml/min
8/8/2023 2:07 PM	12:00	7.36 pH	19.69 °C	372.52 µS/cm	9.05 mg/L	6.06 NTU	115.8 mV	38.11 ft	0.18 PSU	130.00 ml/min
8/8/2023 2:11 PM	16:00	7.37 pH	20.09 °C	375.69 µS/cm	8.99 mg/L	5.59 NTU	117.3 mV	38.49 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:15 PM	20:00	7.39 pH	20.03 °C	375.64 µS/cm	8.71 mg/L	5.31 NTU	118.5 mV	38.83 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:19 PM	24:00	7.38 pH	20.11 °C	377.74 µS/cm	8.53 mg/L	4.99 NTU	119.7 mV	39.14 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:23 PM	28:00	7.39 pH	20.03 °C	379.60 µS/cm	8.40 mg/L	4.62 NTU	120.4 mV	39.44 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:27 PM	32:00	7.38 pH	19.93 °C	381.66 µS/cm	8.34 mg/L	4.22 NTU	121.7 mV	39.73 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:31 PM	36:00	7.38 pH	19.93 °C	382.47 µS/cm	8.22 mg/L	4.22 NTU	122.2 mV	40.00 ft	0.18 PSU	110.00 ml/min
8/8/2023 2:35 PM	40:00	7.39 pH	19.95 °C	382.82 µS/cm	8.06 mg/L	4.09 NTU	122.5 mV	40.27 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:39 PM	44:00	7.38 pH	19.91 °C	383.38 µS/cm	7.97 mg/L	3.58 NTU	123.2 mV	40.54 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:43 PM	48:00	7.38 pH	20.02 °C	384.65 µS/cm	7.85 mg/L	3.59 NTU	123.7 mV	40.80 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:47 PM	52:00	7.37 pH	20.02 °C	386.81 µS/cm	7.74 mg/L	3.28 NTU	124.2 mV	41.06 ft	0.19 PSU	110.00 ml/min

8/8/2023 2:51 PM	56:00	7.36 pH	19.98 °C	387.72 μS/cm	7.60 mg/L	2.87 NTU	124.3 mV	41.16 ft	0.19 PSU	110.00 ml/min
8/8/2023 2:55 PM	01:00:00	7.35 pH	19.93 °C	389.31 μS/cm	7.53 mg/L	2.46 NTU	125.1 mV	41.28 ft	0.19 PSU	110.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/9/2023 9:49:54 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 34.1 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 146.667 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0.63 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Complete evac performed on 8/8/23.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/9/2023 9:49 AM	00:00	7.19 pH	19.18 °C	371.77 µS/cm	7.84 mg/L	0.64 NTU	181.2 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:50 AM	00:20	7.19 pH	19.12 °C	370.93 µS/cm	7.78 mg/L		175.6 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:50 AM	00:40	7.20 pH	19.00 °C	368.58 µS/cm	7.68 mg/L		170.3 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:50 AM	01:00	7.21 pH	18.95 °C	367.40 µS/cm	7.58 mg/L		165.9 mV	34.73 ft	0.18 PSU	110.00 ml/min
8/9/2023 9:51 AM	01:20	7.21 pH	18.86 °C	364.08 µS/cm	7.46 mg/L	0.64 NTU	162.5 mV	34.73 ft	0.18 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-30	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/9/2023 9:52:04 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-31R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.9 ft Total Depth: 108.9 ft Initial Depth to Water: 32.35 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 103.9 ft Estimated Total Volume Pumped: 10880 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 9:52 AM	00:00	7.01 pH	17.85 °C	324.15 µS/cm	4.05 mg/L	11.40 NTU	177.9 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 9:56 AM	04:00	7.02 pH	17.59 °C	328.01 µS/cm	3.77 mg/L	43.80 NTU	171.4 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:00 AM	08:00	7.04 pH	17.53 °C	334.34 µS/cm	3.56 mg/L	30.30 NTU	169.5 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:04 AM	12:00	7.05 pH	17.55 °C	338.34 µS/cm	3.36 mg/L	25.10 NTU	166.5 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:08 AM	16:00	7.06 pH	17.59 °C	338.04 µS/cm	3.32 mg/L	17.30 NTU	164.7 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:12 AM	20:00	7.07 pH	17.55 °C	339.27 µS/cm	3.16 mg/L	13.50 NTU	164.3 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:16 AM	24:00	7.07 pH	17.60 °C	339.46 µS/cm	3.04 mg/L	12.20 NTU	164.1 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:20 AM	28:00	7.07 pH	17.64 °C	339.37 µS/cm	3.02 mg/L	10.66 NTU	164.1 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:24 AM	32:00	7.07 pH	17.70 °C	338.54 µS/cm	2.99 mg/L	10.06 NTU	164.1 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:28 AM	36:00	7.07 pH	17.68 °C	338.78 µS/cm	2.96 mg/L	8.31 NTU	164.5 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:32 AM	40:00	7.07 pH	17.82 °C	338.74 µS/cm	2.96 mg/L	7.56 NTU	165.0 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:36 AM	44:00	7.07 pH	17.81 °C	338.39 µS/cm	2.95 mg/L	6.57 NTU	165.2 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:40 AM	48:00	7.07 pH	17.75 °C	338.57 µS/cm	3.00 mg/L	5.14 NTU	165.7 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:44 AM	52:00	7.07 pH	17.82 °C	337.80 µS/cm	3.02 mg/L	5.60 NTU	166.0 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:48 AM	56:00	7.08 pH	17.68 °C	337.31 µS/cm	3.03 mg/L	4.57 NTU	166.5 mV	32.35 ft	0.16 PSU	170.00 ml/min

8/9/2023 10:52 AM	01:00:00	7.08 pH	17.69 °C	337.68 µS/cm	3.02 mg/L	3.98 NTU	166.8 mV	32.35 ft	0.16 PSU	170.00 ml/min
8/9/2023 10:56 AM	01:04:00	7.08 pH	17.73 °C	336.96 µS/cm	3.05 mg/L	3.58 NTU	166.9 mV	32.35 ft	0.16 PSU	170.00 ml/min

Samples

Sample ID:	Description:
GWC-31R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/9/2023 11:49:58 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

<p>Location Name: GWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.2 ft Total Depth: 70.2 ft Initial Depth to Water: 32.41 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 65.2 ft Estimated Total Volume Pumped: 6560 ml Flow Cell Volume: 90 ml Final Flow Rate: 170 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 893479</p>
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Test Notes:
Prepurged 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 11:49 AM	00:00	7.00 pH	20.06 °C	330.96 µS/cm	0.68 mg/L	38.70 NTU	-34.7 mV	32.41 ft	0.16 PSU	110.00 ml/min
8/9/2023 11:53 AM	04:00	6.98 pH	19.93 °C	334.65 µS/cm	0.52 mg/L	32.40 NTU	-69.7 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 11:57 AM	08:00	6.95 pH	18.86 °C	333.53 µS/cm	0.17 mg/L	26.60 NTU	-87.4 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:01 PM	12:00	6.92 pH	18.76 °C	335.65 µS/cm	0.14 mg/L	20.00 NTU	-93.4 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:05 PM	16:00	6.91 pH	18.54 °C	336.13 µS/cm	0.15 mg/L	13.10 NTU	-96.9 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:09 PM	20:00	6.91 pH	18.36 °C	336.68 µS/cm	0.12 mg/L	9.76 NTU	-97.1 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:13 PM	24:00	6.91 pH	18.35 °C	336.73 µS/cm	0.12 mg/L	7.12 NTU	-100.9 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:17 PM	28:00	6.91 pH	18.40 °C	337.54 µS/cm	0.12 mg/L	5.18 NTU	-104.9 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:21 PM	32:00	6.92 pH	18.62 °C	337.48 µS/cm	0.12 mg/L	4.57 NTU	-105.7 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:25 PM	36:00	6.93 pH	18.38 °C	337.50 µS/cm	0.11 mg/L	3.53 NTU	-107.2 mV	32.41 ft	0.16 PSU	170.00 ml/min
8/9/2023 12:29 PM	40:00	6.93 pH	18.40 °C	338.85 µS/cm	0.11 mg/L	2.25 NTU	-108.7 mV	32.41 ft	0.16 PSU	170.00 ml/min

Samples

Sample ID:	Description:
GWC-31	Metals, inorganics, Alkalinity, TDS, Radium

FD-02

Metals, inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 12:40:03 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 28.03 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 49520 ml Flow Cell Volume: 90 ml Final Flow Rate: 0 ml/min Final Draw Down: 68.69 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 8 L

Lowered pump rate to 100 mL/min at 3:12:00 in attempt to stabilize drawdown. At 3:52:00, MP50 died just short of the screen interval. MD to return to finish complete evac of well.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/9/2023 12:40 PM	00:00	7.24 pH	18.20 °C	303.73 µS/cm	2.29 mg/L	1.96 NTU	124.0 mV	40.96 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:44 PM	04:00	7.24 pH	18.36 °C	303.50 µS/cm	2.28 mg/L	1.86 NTU	123.4 mV	41.73 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:48 PM	08:00	7.23 pH	18.20 °C	303.69 µS/cm	2.30 mg/L	1.93 NTU	122.6 mV	42.88 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:52 PM	12:00	7.23 pH	18.15 °C	303.36 µS/cm	2.32 mg/L	2.09 NTU	121.8 mV	44.01 ft	0.15 PSU	210.00 ml/min
8/9/2023 12:56 PM	16:00	7.23 pH	18.26 °C	304.59 µS/cm	2.29 mg/L	1.73 NTU	119.7 mV	45.16 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:00 PM	20:00	7.24 pH	18.24 °C	303.56 µS/cm	2.32 mg/L	1.61 NTU	118.9 mV	46.38 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:04 PM	24:00	7.24 pH	18.15 °C	303.09 µS/cm	2.35 mg/L	1.70 NTU	119.7 mV	47.54 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:08 PM	28:00	7.23 pH	18.17 °C	304.94 µS/cm	2.40 mg/L	1.56 NTU	119.9 mV	48.63 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:12 PM	32:00	7.24 pH	18.18 °C	304.85 µS/cm	2.47 mg/L	1.70 NTU	120.1 mV	49.80 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:16 PM	36:00	7.24 pH	18.24 °C	305.11 µS/cm	2.53 mg/L	1.63 NTU	120.3 mV	50.84 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:20 PM	40:00	7.24 pH	18.12 °C	305.46 µS/cm	2.55 mg/L	1.59 NTU	120.0 mV	51.94 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:24 PM	44:00	7.24 pH	18.27 °C	306.56 µS/cm	2.58 mg/L	1.52 NTU	120.0 mV	53.02 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:28 PM	48:00	7.24 pH	18.38 °C	306.24 µS/cm	2.65 mg/L	1.13 NTU	119.4 mV	54.19 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:32 PM	52:00	7.24 pH	18.33 °C	305.98 µS/cm	2.76 mg/L	1.11 NTU	119.5 mV	55.26 ft	0.15 PSU	210.00 ml/min

8/9/2023 1:36 PM	56:00	7.24 pH	18.28 °C	305.69 µS/cm	2.86 mg/L	1.02 NTU	120.0 mV	56.30 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:40 PM	01:00:00	7.24 pH	18.33 °C	306.73 µS/cm	2.94 mg/L	1.48 NTU	120.3 mV	57.33 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:44 PM	01:04:00	7.24 pH	18.41 °C	306.31 µS/cm	3.00 mg/L	0.97 NTU	120.4 mV	58.35 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:48 PM	01:08:00	7.24 pH	18.36 °C	307.16 µS/cm	3.07 mg/L	0.98 NTU	120.9 mV	59.35 ft	0.15 PSU	210.00 ml/min
8/9/2023 1:52 PM	01:12:00	7.25 pH	18.07 °C	307.46 µS/cm	3.11 mg/L	1.41 NTU	120.6 mV	60.47 ft	0.15 PSU	250.00 ml/min
8/9/2023 1:56 PM	01:16:00	7.25 pH	17.94 °C	307.21 µS/cm	3.21 mg/L	1.42 NTU	120.7 mV	61.78 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:00 PM	01:20:00	7.25 pH	18.08 °C	307.64 µS/cm	3.24 mg/L	1.35 NTU	120.6 mV	63.03 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:04 PM	01:24:00	7.25 pH	18.22 °C	308.16 µS/cm	3.21 mg/L	0.97 NTU	120.0 mV	64.30 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:08 PM	01:28:00	7.24 pH	18.19 °C	308.96 µS/cm	3.24 mg/L	0.59 NTU	120.2 mV	65.55 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:12 PM	01:32:00	7.24 pH	18.64 °C	310.28 µS/cm	3.22 mg/L	1.05 NTU	119.9 mV	66.81 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:16 PM	01:36:00	7.24 pH	18.41 °C	311.79 µS/cm	3.19 mg/L	1.72 NTU	121.2 mV	68.13 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:20 PM	01:40:00	7.24 pH	18.59 °C	311.79 µS/cm	3.18 mg/L	1.74 NTU	121.7 mV	69.30 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:24 PM	01:44:00	7.25 pH	18.46 °C	311.81 µS/cm	3.15 mg/L	1.10 NTU	120.9 mV	70.53 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:28 PM	01:48:00	7.24 pH	18.60 °C	312.17 µS/cm	3.14 mg/L	1.20 NTU	121.0 mV	71.81 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:32 PM	01:52:00	7.25 pH	18.42 °C	311.08 µS/cm	3.10 mg/L	1.07 NTU	121.5 mV	73.02 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:36 PM	01:56:00	7.25 pH	18.37 °C	312.55 µS/cm	3.07 mg/L	1.19 NTU	121.5 mV	74.21 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:40 PM	02:00:00	7.26 pH	18.02 °C	313.14 µS/cm	3.04 mg/L	0.58 NTU	121.4 mV	75.40 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:44 PM	02:04:00	7.26 pH	18.11 °C	313.90 µS/cm	3.01 mg/L	1.14 NTU	121.6 mV	76.56 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:48 PM	02:08:00	7.26 pH	18.06 °C	313.94 µS/cm	3.00 mg/L	1.12 NTU	122.1 mV	77.70 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:52 PM	02:12:00	7.26 pH	18.17 °C	314.61 µS/cm	2.97 mg/L	0.71 NTU	122.0 mV	78.92 ft	0.15 PSU	250.00 ml/min
8/9/2023 2:56 PM	02:16:00	7.25 pH	18.43 °C	316.41 µS/cm	2.96 mg/L	0.78 NTU	121.3 mV	80.04 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:00 PM	02:20:00	7.26 pH	18.28 °C	315.68 µS/cm	2.91 mg/L	0.85 NTU	121.2 mV	81.15 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:04 PM	02:24:00	7.27 pH	18.06 °C	315.56 µS/cm	2.87 mg/L	0.77 NTU	121.6 mV	82.25 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:08 PM	02:28:00	7.26 pH	18.38 °C	316.50 µS/cm	2.86 mg/L	1.02 NTU	121.0 mV	83.33 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:12 PM	02:32:00	7.27 pH	18.33 °C	317.39 µS/cm	2.84 mg/L	1.04 NTU	121.8 mV	84.40 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:16 PM	02:36:00	7.26 pH	18.42 °C	319.34 µS/cm	2.89 mg/L	1.44 NTU	122.2 mV	85.46 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:20 PM	02:40:00	7.26 pH	19.01 °C	319.60 µS/cm	2.87 mg/L	1.64 NTU	121.6 mV	86.50 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:24 PM	02:44:00	7.28 pH	18.69 °C	317.38 µS/cm	2.86 mg/L	1.21 NTU	121.7 mV	87.53 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:28 PM	02:48:00	7.27 pH	18.79 °C	320.17 µS/cm	2.87 mg/L	1.33 NTU	121.6 mV	88.58 ft	0.15 PSU	250.00 ml/min

8/9/2023 3:32 PM	02:52:00	7.28 pH	18.89 °C	322.35 µS/cm	2.84 mg/L	1.52 NTU	121.2 mV	89.57 ft	0.16 PSU	250.00 ml/min
8/9/2023 3:36 PM	02:56:00	7.28 pH	19.21 °C	321.71 µS/cm	2.86 mg/L	1.70 NTU	121.4 mV	90.53 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:40 PM	03:00:00	7.29 pH	19.31 °C	320.29 µS/cm	2.88 mg/L	1.35 NTU	121.1 mV	91.52 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:44 PM	03:04:00	7.28 pH	19.44 °C	319.79 µS/cm	2.99 mg/L	1.58 NTU	120.4 mV	92.40 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:48 PM	03:08:00	7.29 pH	19.22 °C	317.71 µS/cm	2.99 mg/L	1.58 NTU	120.7 mV	93.30 ft	0.15 PSU	250.00 ml/min
8/9/2023 3:52 PM	03:12:00	7.26 pH	19.88 °C	322.33 µS/cm	3.05 mg/L	1.06 NTU	120.9 mV	93.92 ft	0.16 PSU	100.00 ml/min
8/9/2023 3:56 PM	03:16:00	7.26 pH	20.64 °C	321.03 µS/cm	3.04 mg/L	1.68 NTU	119.9 mV	94.15 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:00 PM	03:20:00	7.25 pH	21.37 °C	320.55 µS/cm	3.11 mg/L	1.73 NTU	117.7 mV	94.41 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:04 PM	03:24:00	7.26 pH	21.46 °C	321.21 µS/cm	3.17 mg/L	1.25 NTU	116.6 mV	94.68 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:08 PM	03:28:00	7.27 pH	21.98 °C	321.57 µS/cm	3.17 mg/L	1.82 NTU	115.0 mV	94.93 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:12 PM	03:32:00	7.28 pH	21.95 °C	320.59 µS/cm	3.20 mg/L	0.69 NTU	114.5 mV	95.21 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:16 PM	03:36:00	7.27 pH	22.43 °C	318.71 µS/cm	3.22 mg/L	1.04 NTU	114.0 mV	95.47 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:20 PM	03:40:00	7.27 pH	22.25 °C	319.12 µS/cm	3.28 mg/L	1.11 NTU	113.8 mV	95.72 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:24 PM	03:44:00	7.29 pH	21.45 °C	317.08 µS/cm	3.36 mg/L	1.17 NTU	114.5 mV	96.00 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:28 PM	03:48:00	7.28 pH	21.87 °C	317.77 µS/cm	3.35 mg/L	0.98 NTU	114.9 mV	96.31 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:32 PM	03:52:00	7.30 pH	21.13 °C	315.87 µS/cm	3.33 mg/L	1.16 NTU	116.1 mV	96.65 ft	0.15 PSU	100.00 ml/min
8/9/2023 4:36 PM	03:56:00	7.26 pH	21.31 °C	318.00 µS/cm	3.39 mg/L	1.45 NTU	116.0 mV	96.72 ft	0.15 PSU	0.00 ml/min
8/9/2023 4:40 PM	04:00:00	7.22 pH	23.56 °C	320.92 µS/cm	3.36 mg/L		115.9 mV		0.15 PSU	0.00 ml/min
8/9/2023 4:44 PM	04:04:00	7.20 pH	25.04 °C	321.71 µS/cm	3.33 mg/L		116.2 mV		0.15 PSU	0.00 ml/min
8/9/2023 4:48 PM	04:08:00	7.19 pH	26.10 °C	321.99 µS/cm	3.33 mg/L		116.5 mV		0.15 PSU	0.00 ml/min
8/9/2023 4:52 PM	04:12:00	7.18 pH	26.97 °C	322.20 µS/cm	3.32 mg/L		116.9 mV		0.16 PSU	0.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/9/2023 2:46:19 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.66 ft Total Depth: 62.66 ft Initial Depth to Water: 41.45 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.66 ft Estimated Total Volume Pumped: 5760 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 4.6 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 3L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 2:46 PM	00:00	6.81 pH	20.59 °C	456.37 µS/cm	0.41 mg/L	2.18 NTU	-13.4 mV	43.70 ft	0.22 PSU	120.00 ml/min
8/9/2023 2:50 PM	04:00	6.79 pH	20.53 °C	454.78 µS/cm	0.36 mg/L	1.93 NTU	-37.0 mV	44.02 ft	0.22 PSU	120.00 ml/min
8/9/2023 2:54 PM	08:00	6.84 pH	20.40 °C	451.91 µS/cm	0.32 mg/L	1.49 NTU	-36.4 mV	44.26 ft	0.22 PSU	120.00 ml/min
8/9/2023 2:58 PM	12:00	6.84 pH	20.49 °C	451.22 µS/cm	0.30 mg/L	1.06 NTU	-35.9 mV	44.54 ft	0.22 PSU	120.00 ml/min
8/9/2023 3:02 PM	16:00	6.84 pH	20.47 °C	446.89 µS/cm	0.28 mg/L	1.39 NTU	-35.1 mV	44.75 ft	0.22 PSU	120.00 ml/min
8/9/2023 3:06 PM	20:00	6.81 pH	20.42 °C	444.81 µS/cm	0.28 mg/L	1.21 NTU	-38.1 mV	44.99 ft	0.22 PSU	120.00 ml/min
8/9/2023 3:10 PM	24:00	6.86 pH	21.07 °C	440.91 µS/cm	0.27 mg/L	0.30 NTU	-42.7 mV	45.20 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:14 PM	28:00	6.84 pH	20.56 °C	435.44 µS/cm	0.27 mg/L	0.63 NTU	-36.9 mV	45.32 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:18 PM	32:00	6.83 pH	20.95 °C	434.35 µS/cm	0.28 mg/L	0.94 NTU	-41.8 mV	45.52 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:22 PM	36:00	6.83 pH	21.16 °C	435.39 µS/cm	0.28 mg/L	182.00 NTU	-42.5 mV	45.65 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:26 PM	40:00	6.80 pH	20.65 °C	432.59 µS/cm	0.32 mg/L	1.60 NTU	-35.6 mV	45.81 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:30 PM	44:00	6.81 pH	20.49 °C	432.34 µS/cm	0.38 mg/L	1.11 NTU	-35.0 mV	45.95 ft	0.21 PSU	120.00 ml/min
8/9/2023 3:34 PM	48:00	6.85 pH	21.16 °C	429.80 µS/cm	0.48 mg/L	0.96 NTU	-37.2 mV	46.05 ft	0.21 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-32	Metals, inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 8/9/2023 5:55:40 PM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 94.85 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 7760 ml Flow Cell Volume: 90 ml Final Flow Rate: 250 ml/min Final Draw Down: 4.87 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Prepurged 1L

Complete evacuation initiated

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/9/2023 5:55 PM	00:00	7.63 pH	21.21 °C	296.48 µS/cm	4.65 mg/L	0.32 NTU	108.8 mV	95.17 ft	0.14 PSU	140.00 ml/min
8/9/2023 5:59 PM	04:00	7.58 pH	19.70 °C	303.95 µS/cm	4.15 mg/L	0.63 NTU	133.5 mV	95.60 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:03 PM	08:00	7.57 pH	18.91 °C	309.02 µS/cm	3.54 mg/L	0.77 NTU	138.7 mV	96.09 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:07 PM	12:00	7.57 pH	18.71 °C	310.29 µS/cm	3.31 mg/L	0.07 NTU	140.1 mV	96.80 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:11 PM	16:00	7.56 pH	18.55 °C	310.14 µS/cm	3.27 mg/L	0.37 NTU	141.8 mV	97.36 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:15 PM	20:00	7.55 pH	18.63 °C	310.45 µS/cm	3.20 mg/L	1.71 NTU	144.4 mV	97.90 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:19 PM	24:00	7.53 pH	18.74 °C	310.95 µS/cm	3.12 mg/L	0.88 NTU	145.4 mV	98.55 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:23 PM	28:00	7.52 pH	18.62 °C	311.21 µS/cm	3.11 mg/L	1.07 NTU	147.0 mV	99.15 ft	0.15 PSU	150.00 ml/min
8/9/2023 6:27 PM	32:00	7.51 pH	18.71 °C	312.18 µS/cm	3.13 mg/L	1.16 NTU	149.4 mV	99.51 ft	0.15 PSU	250.00 ml/min
8/9/2023 6:31 PM	36:00	7.53 pH	17.95 °C	319.83 µS/cm	2.93 mg/L	1.04 NTU	151.5 mV	99.70 ft	0.15 PSU	250.00 ml/min
8/9/2023 6:35 PM	40:00	7.55 pH	18.70 °C	339.41 µS/cm	2.46 mg/L	5.07 NTU	153.3 mV	99.72 ft	0.16 PSU	250.00 ml/min
8/9/2023 6:39 PM	44:00	7.57 pH	20.61 °C	342.32 µS/cm	2.47 mg/L	5.54 NTU	152.8 mV	99.72 ft	0.17 PSU	250.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 8/10/2023 11:05:26 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: Meredith Duncan

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 66.54 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 133.333 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 893479
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Test Notes:

Full evacuation complete

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 10	
8/10/2023 11:05 AM	00:00	7.47 pH	21.96 °C	327.21 µS/cm	7.18 mg/L	3.25 NTU	194.6 mV	66.54 ft	0.16 PSU	100.00 ml/min
8/10/2023 11:05 AM	00:20	7.48 pH	21.90 °C	322.94 µS/cm	7.11 mg/L		190.2 mV	66.54 ft	0.16 PSU	100.00 ml/min
8/10/2023 11:06 AM	00:40	7.48 pH	21.82 °C	321.86 µS/cm	7.07 mg/L		189.8 mV	66.54 ft	0.15 PSU	100.00 ml/min
8/10/2023 11:06 AM	01:00	7.48 pH	21.76 °C	322.74 µS/cm	7.06 mg/L		189.0 mV	66.54 ft	0.16 PSU	100.00 ml/min
8/10/2023 11:06 AM	01:20	7.48 pH	21.69 °C	322.18 µS/cm	7.03 mg/L		188.7 mV	66.54 ft	0.16 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWC-29R	Metals, inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 8/10/2023 11:36:56 AM

Project: Bowen LF Expansion Background August 2023

Operator Name: William Laaker

Location Name: GWA-35 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.62 ft Total Depth: 68.62 ft Initial Depth to Water: 45.46 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 63.62 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.21 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789310
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Test Notes:

Prepurged 2 L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
8/10/2023 11:36 AM	00:00	7.32 pH	18.77 °C	451.75 µS/cm	0.70 mg/L	0.26 NTU	129.7 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:40 AM	04:00	7.35 pH	18.79 °C	455.65 µS/cm	0.65 mg/L	0.27 NTU	127.9 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:44 AM	08:00	7.35 pH	18.75 °C	455.95 µS/cm	0.70 mg/L	0.06 NTU	127.3 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:48 AM	12:00	7.35 pH	18.81 °C	457.16 µS/cm	0.73 mg/L	0.22 NTU	127.5 mV	45.67 ft	0.22 PSU	150.00 ml/min
8/10/2023 11:52 AM	16:00	7.34 pH	18.94 °C	456.88 µS/cm	0.73 mg/L	0.05 NTU	124.7 mV	45.67 ft	0.22 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWA-35	Metals, Inorganics, Alkalinity, TDS, Radium

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Kevin Stephenson</u>	Date: <u>8/14/23</u>	Time (Calibration): <u>08:36</u>	Time (Mid-day Check):
Asset/ID No: <u>789317</u>	Turbidity Meter Type: <u>LaMotte 2024</u>	SN: <u>9453-4417</u>	
Project: <u>Basin LF SA</u>	Weather Conditions: <u>930/70°, 90%RH</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Typ. 100% water saturated air sat)				<u>97.06</u>	
Specific Conductance (µS/cm)	<u>22250153 11/23</u>	<u>22.83</u>	<u>4490</u>	<u>4487.0</u>	
pH (4)	<u>22250153 11/23</u>	<u>23.47</u>	<u>4</u>	<u>4.02</u>	
pH (7)	<u>2216893 11/23</u>	<u>28.29</u>	<u>7</u>	<u>7.01</u>	
pH (10)	<u>21320202 12/23</u>	<u>23.38</u>	<u>10</u>	<u>10.06</u>	
ORP (mV)	<u>21390144 11/23</u>	<u>24.14</u>	<u>228</u>	<u>229.4</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<u>0</u>	<u>0.11</u>	<u>±0.1 NTU</u>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 1 NTU	<u>1</u>	<u>0.92</u>	<u>±0.1 NTU</u>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Turbidity 10 NTU	<u>10</u>	<u>9.52</u>	<u>±0.1 NTU</u>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check		<u>4</u>	<u>4.02</u>	<u>±0.1 SU</u>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (7) check		<u>7</u>	<u>7.01</u>	<u>±0.1 SU</u>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Mid-Day pH (10) check		<u>10</u>	<u>10.06</u>	<u>±0.1 SU</u>	<input checked="" type="radio"/> Yes	<input type="radio"/> No	

*Next 3 Parameters
Due to Calibration*

EQUIPMENT CALIBRATION LOG

Field Engineer: William Laker	Date: 8/7/23	Time of Calibration: 9:11	Time (Meldin Check): n/a
Asset/Tool SN: 789310	Turbidity Meter Type: LaMotte 2020	SN: 4429-4417	
Project: August 2023 Background #2	Weather Conditions: 89°/68° sunny, storms		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt. 100% water saturated air sat)				103.53	
Specific Conductance (µS/cm)	24000044 05/24	24.61	4490	4462.2	
pH (4)	24000044 05/24	26.59	4	3.99	
pH (7)	22290139 04/24	25.50	7	7.01	
pH (10)	22110130 04/24	25.03	10	9.99	
ORP (mV)	24002258 06/24	24.72	228	229.7	

	Value of Standard	Instrument Reading	Acceptable Range	Pass*		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	1.03	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.67	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass*		Comments
Mid-Day pH (4) check		4		±0.1 SU	Yes	No	
Mid-Day pH (7) check		7		±0.1 SU	Yes	No	
Mid-Day pH (10) check		10		±0.1 SU	Yes	No	

No pH check due to lightning

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duran Date: 8/7/23 Time (Calibration): 0840 Time (Mid-day Check):
 AquaTrol SN: 893479 Turbidity Meter Type: la Motte ID: 7007-1416
 Project: Bowen LP Weather Conditions: 80° rain/cloudy

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Dpl. 100% water saturated air cell)				100.12	
Specific Conductance (µS/cm)	24000044 05/24	25.59	4490	4415.8	
pH (4)	24000044 05/24	25.73	4	3.98	
pH (7)	22290139 04/24	24.43	7	7.10	
pH (10)	22110130 04/24	24.22	10	9.99	
ORP (mV)	24002258 06/24	24.10	228	227.8	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.12	±0.2 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.85	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check		4		±0.1 SU	Yes	No	Inconsistent weather ↓
Mid-Day pH (7) check		7		±0.1 SU	Yes	No	
Mid-Day pH (10) check		10		±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>William Leaker</u>	Date: <u>8/8/23</u>	Time (Calibrate): <u>8:45</u>	Time (Mid-day Check): <u>15:35</u>
Asset/ID: <u>789310</u>	Turbine Meter Type: <u>LaMotte 2020</u>	SN: <u>9429-4417</u>	
Phase: <u>August 2023 LF Background # 2</u>	Weather Conditions: <u>83°/68° sunny</u>		

Calibration Log

	Standard Lot #/ Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Dp, 100% water saturated air cal)				97.01	
Specific Conductance (µS/cm)	24000044 05/24	23.10	4490	4472.3	
pH (4)	24000044 05/24	23.19	4	4.02	
pH (7)	22290139 04/24	23.28	7	7.02	
pH (10)	22110130 04/24	23.37	10	10.05	
ORP (mV)	24002258 06/24	23.37	228	228.3	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	---0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.89	---0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.23	---0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	28.57	4	4.06	---0.1 SU	Yes	No	
Mid-Day pH (7) check	28.35	7	7.09	---0.1 SU	Yes	No	
Mid-Day pH (10) check	28.54	10	10.00	---0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: <u>Meredith Duncan</u>	Date: <u>8/8/23</u>	Time (Calibration): <u>0825</u>	Time (Mid-day Check): <u>1520</u>
Asset/ID SN: <u>893479</u>	Turbidity Meter Type: <u>1a Motte</u>	SN: <u>7007-1416</u>	
From: <u>Bowen BG LF</u>	Weather Conditions: <u>73°/82°</u>		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 99% water saturated air sat)				<u>99.44</u>	
Specific Conductance (µS/cm)	<u>24000044 05/24</u>	<u>23.88</u>	<u>4490</u>	<u>4507.4</u>	
pH (4)	<u>24000044 05/24</u>	<u>23.82</u>	<u>4</u>	<u>4.03</u>	
pH (7)	<u>22290139 04/24</u>	23.82	<u>7</u>	<u>6.94</u>	<u>Temp: 23.80°</u>
pH (10)	<u>22110130 04/24</u>	<u>23.89</u>	<u>10</u>	<u>10.09</u>	
ORP (mV)	<u>24002258 06/24</u>	<u>23.83</u>	<u>228</u>	<u>231</u>	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	<u>0</u>	<u>0.02</u>	<u>±0.5 NTU</u>	Yes	No	
Turbidity 1 NTU	<u>1</u>	<u>0.63</u>	<u>±0.5 NTU</u>	Yes	No	
Turbidity 10 NTU	<u>10</u>	<u>9.51</u>	<u>±0.5 NTU</u>	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	<u>24.56</u>	<u>4</u>	<u>4.01</u>	<u>±0.1 SU</u>	Yes	No	
Mid-Day pH (7) check	<u>25.53</u>	<u>7</u>	<u>6.92</u>	<u>±0.1 SU</u>	Yes	No	
Mid-Day pH (10) check	<u>24.98</u>	<u>10</u>	<u>9.76</u>	<u>±0.1 SU</u>	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Laaker Date: 8/9/23 Time (Calibration): 8:42 Time (Mid-Day Check): 17:30

Asset/ID #: 789310 Turbidity Meter Type: LaMotte 2020 SN: 9429-4417

Project: August 2023 LF Background*2 Weather Conditions: 86°/64° cloudy, fog

Calibration Log

	Standard Lot # (Date of Expiration)	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				102.47	
Specific Conductance (µS/cm)	24000044 05/24	21.47	4490	4525.0	
pH (4)	24000044 05/24	21.67	4	4.00	
pH (7)	22290139 04/24	22.63	7	6.99	
pH (10)	22110130 04/24	23.03	10	10.00	
ORP (mV)	24002258 06/24	22.97	228	228.2	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.00	±0.1 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.1 NTU	Yes	No	
Turbidity 10 NTU	10	9.67	±0.1 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Field Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	21.79	4	4.04	±0.1 SU	Yes	No	
Mid-Day pH (7) check	21.98	7	7.07	±0.1 SU	Yes	No	
Mid-Day pH (10) check	28.88	10	9.96	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician Meredith Ducon	Date 8/9/23	Time of Calibration 0840	Time (Mid-day Check) 1900
Asset/Trk ID 893479	Factory Man. ID 1a molle		ISS 7007-1416
Project Bowen EG	Water Condition 70° foggy/		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (µL 100% water saturated air sat)				100.62	
Specific Conductance (µS/cm)	24000044 05/24	20.71	4490	4507.3	
pH (M)	24000044 05/24	20.77	4	4.02	
pH (7)	22290139 04/24	20.92	7	7.04	
pH (10)	22110130 04/24	21.07	10	10.05	
ORP (mV)	24002258 06/24	21.14	228	235.4	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.05	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.90	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	9.67	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
30-Day pH (M) check	25.41	4	4.01	±0.1 SU	Yes	No	
30-Day pH (7) check	26.12	7	6.92	±0.1 SU	Yes	No	
30-Day pH (10) check	25.03	10	9.89	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: William Locker	Date: 8/10/23	Total (minutes): 934	Time (Midday Check): 15:00
Appl/ID/SS: 789310	Calibrating Meter Type: LaMotte 2020	ID: 9453-4417	
From: August 2023 LF Background #2	Weather Conditions: 83°/68° heavy rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (1pt, 100% water saturated air sat)				95.32 105.83	
Specific Conductance (µS/cm)	24000044 05/24	22.24	4490	4550.4	
pH (6)	24000044 05/24	22.29	4	4.02	
pH (7)	22290139 04/24	22.52	7	7.01	
pH (10)	22110130 04/24	22.60	10	9.98	
ORP (mV)	24002258 06/24	22.61	228	227.9	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.01	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	0.86	±0.5 NTU	Yes	No	
Turbidity 10 NTU	10	10.20	±0.5 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (6) check	26.40	4	4.08	±0.1 SU	Yes	No	
Mid-Day pH (7) check	27.37	7	7.10	±0.1 SU	Yes	No	
Mid-Day pH (10) check	29.10	10	10.08	±0.1 SU	Yes	No	

EQUIPMENT CALIBRATION LOG

Field Technician: Meredith Duncan	Date: 8/10/23	Time (Minutes): 0915	Time (Mid-day Check): 1400
App/Inst ID: 89 3479	Turbidity Meter Type: la Motte	SN: 7007-1416	
Project: Bowen BG	Weather Conditions: 70" rain		

Calibration Log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Instrument Reading at Calibration	Comments
DO (%) (Dpt, 100% water saturated air sat)				99.85	
Specific Conductance (µmhos/cm)	24000044 05/24	22.27	4490	4507.6	
pH (4)	24000044 05/24	22.36	4	4.03	
pH (7)	22290139 04/24	22.74	7	6.98	
pH (10)	22110130 04/24	22.78	10	10.02	
ORP (mV)	24002258 06/24	22.55	228	228.1	

	Value of Standard	Instrument Reading	Acceptable Range	Pass?		Comments
Turbidity 0 NTU	0	0.06	±0.5 NTU	Yes	No	
Turbidity 1 NTU	1	1.16	±0.3 NTU	Yes	No	
Turbidity 10 NTU	10	9.55	±0.3 NTU	Yes	No	

	Temp of Standard (°C)	Value of Standard	Post Calibration Reading	Acceptable Range	Pass?		Comments
Mid-Day pH (4) check	25.34	4	4.00	±0.1 SU	Yes	No	
Mid-Day pH (7) check	26.15	7	7.07	±0.1 SU	Yes	No	
Mid-Day pH (10) check	26.36	10	9.91	±0.1 SU	Yes	No	

Low-Flow Test Report:

Test Date / Time: 10/10/2023 10:19:36 AM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWA-34R Well Diameter: 2 cm Casing Type: PVC Screen Length: 10 ft Top of Screen: 91.40 ft Total Depth: 101.40 ft Initial Depth to Water: 21.97 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 96.40 ft Estimated Total Volume Pumped: 10120 ml Flow Cell Volume: 90 ml Final Flow Rate: 130 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/10/2023 10:19 AM	00:00	7.01 pH	17.29 °C	372.85 µS/cm	0.74 mg/L	7.01 NTU	16.9 mV	22.00 ft	0.20 PSU	150.00 ml/min
10/10/2023 10:23 AM	04:00	7.04 pH	17.33 °C	377.48 µS/cm	0.42 mg/L	11.18 NTU	17.4 mV	22.00 ft	0.20 PSU	150.00 ml/min
10/10/2023 10:27 AM	08:00	7.06 pH	17.41 °C	379.37 µS/cm	0.32 mg/L	8.82 NTU	15.1 mV	22.00 ft	0.20 PSU	150.00 ml/min
10/10/2023 10:31 AM	12:00	7.04 pH	17.45 °C	381.08 µS/cm	0.26 mg/L	9.12 NTU	14.3 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 10:35 AM	16:00	7.05 pH	17.76 °C	382.68 µS/cm	0.25 mg/L	9.30 NTU	14.1 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 10:39 AM	20:00	7.06 pH	18.06 °C	378.34 µS/cm	0.35 mg/L	8.56 NTU	13.5 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 10:43 AM	24:00	7.06 pH	18.28 °C	377.26 µS/cm	0.46 mg/L	7.63 NTU	14.1 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 10:47 AM	28:00	7.06 pH	18.48 °C	374.73 µS/cm	0.62 mg/L	6.83 NTU	13.6 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 10:51 AM	32:00	7.07 pH	18.66 °C	376.99 µS/cm	0.56 mg/L	6.25 NTU	13.7 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 10:55 AM	36:00	7.06 pH	18.83 °C	377.50 µS/cm	0.56 mg/L	5.35 NTU	14.0 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 10:59 AM	40:00	7.05 pH	19.05 °C	377.86 µS/cm	0.58 mg/L	5.24 NTU	13.8 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 11:03 AM	44:00	7.01 pH	18.79 °C	376.03 µS/cm	0.56 mg/L	4.42 NTU	15.4 mV	22.00 ft	0.20 PSU	130.00 ml/min
10/10/2023 11:07 AM	48:00	7.04 pH	18.42 °C	381.83 µS/cm	0.29 mg/L	5.05 NTU	13.7 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 11:11 AM	52:00	7.05 pH	18.43 °C	383.86 µS/cm	0.17 mg/L	4.28 NTU	12.7 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 11:15 AM	56:00	7.05 pH	18.35 °C	383.40 µS/cm	0.17 mg/L	4.01 NTU	13.6 mV	22.00 ft	0.21 PSU	130.00 ml/min

10/10/2023 11:19 AM	01:00:00	7.06 pH	18.29 °C	382.26 µS/cm	0.18 mg/L	4.18 NTU	14.2 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 11:23 AM	01:04:00	7.07 pH	18.24 °C	381.63 µS/cm	0.19 mg/L	4.32 NTU	14.2 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 11:27 AM	01:08:00	7.06 pH	18.26 °C	381.74 µS/cm	0.18 mg/L	4.81 NTU	14.4 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 11:31 AM	01:12:00	7.06 pH	18.26 °C	382.28 µS/cm	0.16 mg/L	4.78 NTU	14.3 mV	22.00 ft	0.21 PSU	130.00 ml/min
10/10/2023 11:35 AM	01:16:00	7.06 pH	18.23 °C	381.94 µS/cm	0.16 mg/L	4.71 NTU	14.7 mV	22.00 ft	0.21 PSU	130.00 ml/min

Samples

Sample ID:	Description:
GWA-34R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/10/2023 12:37:20 PM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWA-34 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.41 ft Total Depth: 68.41 ft Initial Depth to Water: 22.12 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 63.41 ft Estimated Total Volume Pumped: 28600 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/10/2023 12:37 PM	00:00	6.44 pH	21.60 °C	189.26 µS/cm	1.99 mg/L	19.20 NTU	22.6 mV	22.07 ft	0.10 PSU	120.00 ml/min
10/10/2023 12:41 PM	04:00	6.49 pH	20.04 °C	207.26 µS/cm	0.86 mg/L	28.40 NTU	15.0 mV	22.10 ft	0.11 PSU	120.00 ml/min
10/10/2023 12:45 PM	08:00	6.50 pH	19.64 °C	210.00 µS/cm	0.76 mg/L	29.90 NTU	15.3 mV	22.12 ft	0.11 PSU	120.00 ml/min
10/10/2023 12:49 PM	12:00	6.52 pH	19.56 °C	212.12 µS/cm	0.51 mg/L	30.30 NTU	14.0 mV	22.12 ft	0.11 PSU	120.00 ml/min
10/10/2023 12:53 PM	16:00	6.54 pH	19.54 °C	213.49 µS/cm	0.41 mg/L	29.90 NTU	13.1 mV	22.12 ft	0.11 PSU	120.00 ml/min
10/10/2023 12:57 PM	20:00	6.55 pH	19.50 °C	214.08 µS/cm	0.33 mg/L	31.70 NTU	13.2 mV	22.12 ft	0.11 PSU	120.00 ml/min
10/10/2023 1:01 PM	24:00	6.55 pH	19.50 °C	214.71 µS/cm	0.30 mg/L	30.80 NTU	12.8 mV	22.12 ft	0.11 PSU	150.00 ml/min
10/10/2023 1:05 PM	28:00	6.54 pH	18.44 °C	213.20 µS/cm	0.37 mg/L	31.50 NTU	15.5 mV	22.12 ft	0.11 PSU	150.00 ml/min
10/10/2023 1:09 PM	32:00	6.55 pH	18.30 °C	213.34 µS/cm	0.38 mg/L	35.40 NTU	15.3 mV	22.12 ft	0.11 PSU	150.00 ml/min
10/10/2023 1:13 PM	36:00	6.55 pH	18.26 °C	213.86 µS/cm	0.38 mg/L	37.30 NTU	15.1 mV	22.12 ft	0.11 PSU	120.00 ml/min
10/10/2023 1:17 PM	40:00	6.56 pH	19.41 °C	219.33 µS/cm	0.29 mg/L	38.80 NTU	10.8 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:21 PM	44:00	6.56 pH	20.04 °C	219.93 µS/cm	0.14 mg/L	33.40 NTU	8.9 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:25 PM	48:00	6.55 pH	20.30 °C	218.61 µS/cm	0.13 mg/L	27.20 NTU	9.2 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:29 PM	52:00	6.55 pH	20.13 °C	219.30 µS/cm	0.17 mg/L	23.50 NTU	9.0 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:33 PM	56:00	6.56 pH	20.29 °C	218.79 µS/cm	0.22 mg/L	20.60 NTU	9.3 mV	22.12 ft	0.12 PSU	120.00 ml/min

10/10/2023 1:37 PM	01:00:00	6.56 pH	20.26 °C	219.01 µS/cm	0.25 mg/L	20.20 NTU	9.3 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:41 PM	01:04:00	6.56 pH	20.24 °C	219.78 µS/cm	0.27 mg/L	18.60 NTU	8.9 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:45 PM	01:08:00	6.56 pH	20.24 °C	219.51 µS/cm	0.26 mg/L	17.40 NTU	9.4 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:49 PM	01:12:00	6.56 pH	20.22 °C	219.88 µS/cm	0.28 mg/L	16.00 NTU	8.4 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:53 PM	01:16:00	6.56 pH	20.26 °C	219.97 µS/cm	0.27 mg/L	15.60 NTU	8.6 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 1:57 PM	01:20:00	6.56 pH	19.99 °C	220.73 µS/cm	0.28 mg/L	14.40 NTU	8.1 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:01 PM	01:24:00	6.57 pH	20.08 °C	220.97 µS/cm	0.28 mg/L	13.00 NTU	7.6 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:05 PM	01:28:00	6.57 pH	20.08 °C	221.02 µS/cm	0.27 mg/L	13.40 NTU	6.9 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:09 PM	01:32:00	6.57 pH	20.20 °C	220.22 µS/cm	0.27 mg/L	11.50 NTU	7.1 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:13 PM	01:36:00	6.57 pH	20.31 °C	220.98 µS/cm	0.27 mg/L	11.30 NTU	6.9 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:17 PM	01:40:00	6.57 pH	20.14 °C	220.47 µS/cm	0.26 mg/L	16.11 NTU	7.0 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:21 PM	01:44:00	6.57 pH	20.13 °C	221.15 µS/cm	0.27 mg/L	15.74 NTU	7.2 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:25 PM	01:48:00	6.57 pH	19.94 °C	222.07 µS/cm	0.26 mg/L	14.81 NTU	6.6 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:29 PM	01:52:00	6.57 pH	19.86 °C	222.15 µS/cm	0.26 mg/L	14.09 NTU	6.5 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:33 PM	01:56:00	6.57 pH	19.68 °C	222.11 µS/cm	0.26 mg/L	13.49 NTU	6.4 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:37 PM	02:00:00	6.58 pH	19.77 °C	221.69 µS/cm	0.25 mg/L	13.08 NTU	6.2 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:41 PM	02:04:00	6.58 pH	19.72 °C	221.85 µS/cm	0.26 mg/L	13.26 NTU	6.6 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:45 PM	02:08:00	6.58 pH	18.72 °C	220.74 µS/cm	0.18 mg/L	13.93 NTU	8.0 mV	22.12 ft	0.12 PSU	120.00 ml/min
10/10/2023 2:49 PM	02:12:00	6.60 pH	18.64 °C	222.44 µS/cm	0.09 mg/L	14.10 NTU	7.3 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 2:53 PM	02:16:00	6.60 pH	19.32 °C	225.20 µS/cm	0.10 mg/L	15.12 NTU	4.2 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 2:57 PM	02:20:00	6.59 pH	19.94 °C	224.80 µS/cm	0.14 mg/L	12.37 NTU	3.3 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:01 PM	02:24:00	6.59 pH	20.23 °C	224.32 µS/cm	0.26 mg/L	10.43 NTU	3.4 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:05 PM	02:28:00	6.59 pH	20.03 °C	224.46 µS/cm	0.30 mg/L	10.21 NTU	4.2 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:09 PM	02:32:00	6.58 pH	19.99 °C	225.31 µS/cm	0.30 mg/L	10.19 NTU	4.4 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:13 PM	02:36:00	6.59 pH	19.90 °C	223.29 µS/cm	0.29 mg/L	9.48 NTU	4.5 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:17 PM	02:40:00	6.59 pH	19.55 °C	223.24 µS/cm	0.29 mg/L	9.15 NTU	5.5 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:21 PM	02:44:00	6.59 pH	19.42 °C	224.32 µS/cm	0.28 mg/L	9.27 NTU	4.6 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:25 PM	02:48:00	6.60 pH	19.59 °C	223.86 µS/cm	0.25 mg/L	9.63 NTU	4.3 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:29 PM	02:52:00	6.60 pH	19.69 °C	225.46 µS/cm	0.25 mg/L	9.20 NTU	3.6 mV	22.12 ft	0.12 PSU	100.00 ml/min

10/10/2023 3:33 PM	02:56:00	6.60 pH	19.70 °C	224.08 µS/cm	0.25 mg/L	8.39 NTU	3.5 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:37 PM	03:00:00	6.60 pH	19.46 °C	224.70 µS/cm	0.24 mg/L	8.12 NTU	4.2 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:41 PM	03:04:00	6.60 pH	19.37 °C	224.97 µS/cm	0.23 mg/L	8.31 NTU	3.2 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:45 PM	03:08:00	6.60 pH	19.43 °C	225.37 µS/cm	0.25 mg/L	8.03 NTU	3.5 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:49 PM	03:12:00	6.60 pH	19.32 °C	225.06 µS/cm	0.23 mg/L	7.84 NTU	3.4 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:53 PM	03:16:00	6.60 pH	19.23 °C	225.49 µS/cm	0.23 mg/L	7.34 NTU	3.2 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 3:57 PM	03:20:00	6.60 pH	19.23 °C	225.56 µS/cm	0.23 mg/L	7.21 NTU	3.5 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:01 PM	03:24:00	6.60 pH	19.15 °C	224.98 µS/cm	0.22 mg/L	7.62 NTU	3.0 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:05 PM	03:28:00	6.61 pH	19.43 °C	226.18 µS/cm	0.23 mg/L	6.87 NTU	2.6 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:09 PM	03:32:00	6.61 pH	19.41 °C	224.61 µS/cm	0.25 mg/L	7.01 NTU	3.0 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:13 PM	03:36:00	6.61 pH	19.35 °C	224.92 µS/cm	0.24 mg/L	6.43 NTU	3.0 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:17 PM	03:40:00	6.61 pH	19.37 °C	225.86 µS/cm	0.24 mg/L	6.41 NTU	2.8 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:21 PM	03:44:00	6.61 pH	19.37 °C	225.51 µS/cm	0.22 mg/L	6.27 NTU	2.6 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:25 PM	03:48:00	6.61 pH	19.39 °C	226.33 µS/cm	0.23 mg/L	5.67 NTU	2.6 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:29 PM	03:52:00	6.61 pH	19.30 °C	226.31 µS/cm	0.23 mg/L	6.00 NTU	2.0 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:33 PM	03:56:00	6.61 pH	19.24 °C	225.07 µS/cm	0.23 mg/L	6.30 NTU	2.7 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:37 PM	04:00:00	6.61 pH	19.19 °C	226.13 µS/cm	0.22 mg/L	5.31 NTU	1.9 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:41 PM	04:04:00	6.61 pH	19.15 °C	225.73 µS/cm	0.23 mg/L	5.39 NTU	2.0 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:45 PM	04:08:00	6.61 pH	19.17 °C	226.68 µS/cm	0.22 mg/L	4.71 NTU	1.9 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:49 PM	04:12:00	6.62 pH	19.34 °C	226.41 µS/cm	0.22 mg/L	5.18 NTU	1.1 mV	22.12 ft	0.12 PSU	100.00 ml/min
10/10/2023 4:53 PM	04:16:00	6.62 pH	19.32 °C	226.38 µS/cm	0.23 mg/L	4.91 NTU	1.6 mV	22.12 ft	0.12 PSU	100.00 ml/min

Samples

Sample ID:	Description:
GWA-34	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/10/2023 1:24:23 PM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

Location Name: GWA-57 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 71.17 ft Total Depth: 81.17 ft Initial Depth to Water: 24.26 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 76.17 ft Estimated Total Volume Pumped: 8800 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: -0.08 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 21 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/10/2023 1:24 PM	00:00	7.09 pH	24.37 °C	279.33 µS/cm	0.43 mg/L	11.40 NTU	157.8 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:28 PM	04:00	7.26 pH	23.41 °C	285.77 µS/cm	0.41 mg/L	10.87 NTU	74.6 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:32 PM	08:00	7.35 pH	23.28 °C	286.23 µS/cm	0.39 mg/L	9.98 NTU	-14.8 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:36 PM	12:00	7.41 pH	22.70 °C	289.06 µS/cm	0.42 mg/L	9.74 NTU	-41.4 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:40 PM	16:00	7.45 pH	22.39 °C	290.40 µS/cm	0.40 mg/L	9.22 NTU	-49.4 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:44 PM	20:00	7.47 pH	22.88 °C	287.99 µS/cm	0.36 mg/L	8.83 NTU	-53.4 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:48 PM	24:00	7.49 pH	23.33 °C	284.40 µS/cm	0.35 mg/L	8.82 NTU	-54.5 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:52 PM	28:00	7.50 pH	23.53 °C	284.94 µS/cm	0.35 mg/L	7.30 NTU	-56.9 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 1:56 PM	32:00	7.51 pH	23.73 °C	281.47 µS/cm	0.34 mg/L	6.87 NTU	-57.2 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:00 PM	36:00	7.51 pH	23.92 °C	282.17 µS/cm	0.33 mg/L	6.90 NTU	-58.4 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:04 PM	40:00	7.52 pH	23.88 °C	282.62 µS/cm	0.32 mg/L	6.75 NTU	-60.0 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:08 PM	44:00	7.52 pH	24.06 °C	282.88 µS/cm	0.31 mg/L	6.53 NTU	-60.4 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:12 PM	48:00	7.52 pH	24.19 °C	282.55 µS/cm	0.32 mg/L	6.37 NTU	-61.8 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:16 PM	52:00	7.53 pH	24.18 °C	281.20 µS/cm	0.31 mg/L	6.07 NTU	-62.3 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:20 PM	56:00	7.52 pH	24.28 °C	279.93 µS/cm	0.31 mg/L	5.97 NTU	-63.2 mV	24.18 ft	0.15 PSU	110.00 ml/min

10/10/2023 2:24 PM	01:00:00	7.53 pH	24.15 °C	278.69 µS/cm	0.30 mg/L	5.56 NTU	-63.4 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:28 PM	01:04:00	7.53 pH	24.55 °C	279.26 µS/cm	0.30 mg/L	5.14 NTU	-65.1 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:32 PM	01:08:00	7.54 pH	23.97 °C	279.31 µS/cm	0.29 mg/L	5.01 NTU	-64.0 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:36 PM	01:12:00	7.53 pH	24.10 °C	280.76 µS/cm	0.30 mg/L	4.94 NTU	-63.3 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:40 PM	01:16:00	7.53 pH	24.00 °C	279.93 µS/cm	0.30 mg/L	4.84 NTU	-63.6 mV	24.18 ft	0.15 PSU	110.00 ml/min
10/10/2023 2:44 PM	01:20:00	7.54 pH	24.07 °C	278.62 µS/cm	0.30 mg/L	4.80 NTU	-63.2 mV	24.18 ft	0.15 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-57	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/11/2023 9:45:21 AM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWA-35 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 58.61 ft Total Depth: 68.61 ft Initial Depth to Water: 46.2 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 63.61 ft Estimated Total Volume Pumped: 6400 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 0.17 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/11/2023 9:45 AM	00:00	7.63 pH	18.36 °C	433.98 µS/cm	2.35 mg/L	3.28 NTU	123.3 mV	46.36 ft	0.23 PSU	160.00 ml/min
10/11/2023 9:49 AM	04:00	7.63 pH	17.59 °C	427.47 µS/cm	0.74 mg/L	0.38 NTU	92.3 mV	46.36 ft	0.23 PSU	160.00 ml/min
10/11/2023 9:53 AM	08:00	7.64 pH	17.46 °C	429.54 µS/cm	0.77 mg/L	0.75 NTU	80.6 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 9:57 AM	12:00	7.65 pH	17.47 °C	431.20 µS/cm	0.97 mg/L	0.56 NTU	75.5 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:01 AM	16:00	7.66 pH	17.48 °C	432.22 µS/cm	1.10 mg/L	0.42 NTU	66.4 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:05 AM	20:00	7.67 pH	17.49 °C	433.21 µS/cm	1.35 mg/L	0.54 NTU	61.9 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:09 AM	24:00	7.67 pH	17.54 °C	433.79 µS/cm	1.53 mg/L	0.39 NTU	58.7 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:13 AM	28:00	7.68 pH	17.59 °C	433.21 µS/cm	1.59 mg/L	0.41 NTU	52.4 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:17 AM	32:00	7.67 pH	17.67 °C	434.03 µS/cm	1.64 mg/L	0.46 NTU	50.6 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:21 AM	36:00	7.67 pH	17.65 °C	433.85 µS/cm	1.72 mg/L	0.23 NTU	49.5 mV	46.37 ft	0.23 PSU	160.00 ml/min
10/11/2023 10:25 AM	40:00	7.67 pH	17.63 °C	433.40 µS/cm	1.70 mg/L	0.22 NTU	49.1 mV	46.37 ft	0.23 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWA-35	Metals, Inorganics, Alkalinity, TDS, Radium

FD-01

Metals, Inorganics, Alkalinity, TDS, Radium

Created using VuSitu from In-Situ, Inc.

Low-Flow Test Report:

Test Date / Time: 10/11/2023 11:44:14 AM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

Location Name: GWA-33R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 102.75 ft Total Depth: 112.75 ft Initial Depth to Water: 24.42 ft	Pump Type: GeoTech Peristaltic Tubing Type: LDPE Pump Intake From TOC: 107.75 ft Estimated Total Volume Pumped: 3080 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Pre-purged 13 liter.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/11/2023 11:44 AM	00:00	7.50 pH	23.95 °C	230.38 µS/cm	3.35 mg/L	18.90 NTU	131.4 mV	24.42 ft	0.12 PSU	110.00 ml/min
10/11/2023 11:48 AM	04:00	7.51 pH	20.39 °C	244.37 µS/cm	3.69 mg/L	13.80 NTU	129.4 mV	24.42 ft	0.13 PSU	110.00 ml/min
10/11/2023 11:52 AM	08:00	7.51 pH	20.58 °C	243.41 µS/cm	3.60 mg/L	9.00 NTU	128.7 mV	24.42 ft	0.13 PSU	110.00 ml/min
10/11/2023 11:56 AM	12:00	7.51 pH	20.56 °C	243.79 µS/cm	3.50 mg/L	6.24 NTU	128.0 mV	24.42 ft	0.13 PSU	110.00 ml/min
10/11/2023 12:00 PM	16:00	7.51 pH	20.60 °C	243.00 µS/cm	3.56 mg/L	6.10 NTU	127.5 mV	24.42 ft	0.13 PSU	110.00 ml/min
10/11/2023 12:04 PM	20:00	7.51 pH	20.60 °C	242.75 µS/cm	3.49 mg/L	4.82 NTU	126.9 mV	24.42 ft	0.13 PSU	110.00 ml/min
10/11/2023 12:08 PM	24:00	7.51 pH	20.51 °C	243.56 µS/cm	3.44 mg/L	4.44 NTU	126.1 mV	24.42 ft	0.13 PSU	110.00 ml/min
10/11/2023 12:12 PM	28:00	7.50 pH	20.82 °C	242.69 µS/cm	3.43 mg/L	4.15 NTU	125.9 mV	24.42 ft	0.13 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWA-33R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/11/2023 12:04:15 PM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-31R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 98.99 ft Total Depth: 108.99 ft Initial Depth to Water: 32.61 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 103.99 ft Estimated Total Volume Pumped: 6720 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/11/2023 12:04 PM	00:00	7.68 pH	19.05 °C	324.57 µS/cm	2.98 mg/L	1.84 NTU	17.0 mV	32.61 ft	0.17 PSU	150.00 ml/min
10/11/2023 12:08 PM	04:00	7.58 pH	17.58 °C	330.25 µS/cm	4.42 mg/L	8.44 NTU	38.6 mV	32.61 ft	0.18 PSU	150.00 ml/min
10/11/2023 12:12 PM	08:00	7.57 pH	17.31 °C	331.90 µS/cm	4.27 mg/L	9.72 NTU	43.4 mV	32.61 ft	0.18 PSU	150.00 ml/min
10/11/2023 12:16 PM	12:00	7.57 pH	17.21 °C	332.80 µS/cm	4.20 mg/L	11.80 NTU	44.5 mV	32.61 ft	0.18 PSU	150.00 ml/min
10/11/2023 12:20 PM	16:00	7.57 pH	17.33 °C	333.81 µS/cm	4.17 mg/L	13.40 NTU	44.7 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:24 PM	20:00	7.57 pH	17.41 °C	333.71 µS/cm	3.98 mg/L	15.30 NTU	44.9 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:28 PM	24:00	7.57 pH	17.41 °C	333.64 µS/cm	3.95 mg/L	12.20 NTU	44.8 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:32 PM	28:00	7.57 pH	17.41 °C	333.71 µS/cm	3.91 mg/L	8.92 NTU	44.8 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:36 PM	32:00	7.57 pH	17.41 °C	333.75 µS/cm	3.87 mg/L	7.07 NTU	44.9 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:40 PM	36:00	7.57 pH	17.37 °C	333.96 µS/cm	3.85 mg/L	6.10 NTU	44.9 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:44 PM	40:00	7.57 pH	17.36 °C	333.87 µS/cm	3.81 mg/L	5.36 NTU	44.9 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:48 PM	44:00	7.57 pH	17.36 °C	333.65 µS/cm	3.77 mg/L	4.85 NTU	45.0 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:52 PM	48:00	7.57 pH	17.36 °C	333.84 µS/cm	3.74 mg/L	4.29 NTU	45.0 mV	32.61 ft	0.18 PSU	120.00 ml/min
10/11/2023 12:56 PM	52:00	7.57 pH	17.38 °C	333.97 µS/cm	3.70 mg/L	4.21 NTU	44.9 mV	32.61 ft	0.18 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-31R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/11/2023 1:54:02 PM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-31 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 60.2 ft Total Depth: 70.2 ft Initial Depth to Water: 32.63 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 65.2 ft Estimated Total Volume Pumped: 2400 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0.03 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/11/2023 1:54 PM	00:00	7.69 pH	18.84 °C	343.14 µS/cm	1.37 mg/L	3.60 NTU	-17.1 mV	32.65 ft	0.18 PSU	120.00 ml/min
10/11/2023 1:58 PM	04:00	7.86 pH	18.11 °C	344.55 µS/cm	0.62 mg/L	8.98 NTU	-72.2 mV	32.65 ft	0.18 PSU	120.00 ml/min
10/11/2023 2:02 PM	08:00	7.95 pH	17.81 °C	344.96 µS/cm	0.35 mg/L	6.91 NTU	-93.0 mV	32.65 ft	0.19 PSU	120.00 ml/min
10/11/2023 2:06 PM	12:00	7.95 pH	17.76 °C	347.24 µS/cm	0.29 mg/L	3.90 NTU	-101.6 mV	32.65 ft	0.19 PSU	120.00 ml/min
10/11/2023 2:10 PM	16:00	7.96 pH	17.63 °C	347.04 µS/cm	0.23 mg/L	3.19 NTU	-105.1 mV	32.66 ft	0.19 PSU	120.00 ml/min
10/11/2023 2:14 PM	20:00	7.95 pH	17.64 °C	348.82 µS/cm	0.22 mg/L	2.22 NTU	-109.3 mV	32.66 ft	0.19 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-31	Metals, Inorganics, Alkalinity, TDS , Radium

Low-Flow Test Report:

Test Date / Time: 10/11/2023 2:24:36 PM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

<p>Location Name: GWC-29 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 51.70 ft Total Depth: 61.70 ft Initial Depth to Water: 28.88 ft</p>	<p>Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 56.7 ft Estimated Total Volume Pumped: 13440 ml Flow Cell Volume: 90 ml Final Flow Rate: 120 ml/min Final Draw Down: 0 ft</p>	<p>Instrument Used: Aqua TROLL 400 Serial Number: 789317</p>
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Test Notes:
Pre-purged 6 liters.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/11/2023 2:24 PM	00:00	7.56 pH	23.98 °C	243.80 µS/cm	0.81 mg/L	13.20 NTU	117.3 mV	28.88 ft	0.13 PSU	120.00 ml/min
10/11/2023 2:28 PM	04:00	7.55 pH	20.92 °C	253.97 µS/cm	0.81 mg/L	9.33 NTU	114.3 mV	28.88 ft	0.13 PSU	120.00 ml/min
10/11/2023 2:32 PM	08:00	7.54 pH	20.66 °C	255.16 µS/cm	0.84 mg/L	9.11 NTU	113.8 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 2:36 PM	12:00	7.54 pH	20.10 °C	257.75 µS/cm	0.92 mg/L	12.30 NTU	113.5 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 2:40 PM	16:00	7.53 pH	20.34 °C	256.64 µS/cm	0.91 mg/L	12.50 NTU	113.2 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 2:44 PM	20:00	7.53 pH	19.84 °C	259.26 µS/cm	0.95 mg/L	11.40 NTU	113.1 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 2:48 PM	24:00	7.53 pH	19.61 °C	261.01 µS/cm	0.94 mg/L	11.40 NTU	112.9 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 2:52 PM	28:00	7.53 pH	20.37 °C	257.26 µS/cm	0.93 mg/L	11.10 NTU	112.7 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 2:56 PM	32:00	7.53 pH	20.60 °C	256.14 µS/cm	0.96 mg/L	10.64 NTU	112.6 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:00 PM	36:00	7.53 pH	20.07 °C	259.13 µS/cm	0.99 mg/L	10.50 NTU	112.4 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:04 PM	40:00	7.53 pH	20.48 °C	257.36 µS/cm	1.01 mg/L	10.04 NTU	112.4 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:08 PM	44:00	7.52 pH	20.46 °C	257.94 µS/cm	1.06 mg/L	9.77 NTU	112.2 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:12 PM	48:00	7.52 pH	20.74 °C	256.72 µS/cm	1.07 mg/L	9.65 NTU	112.1 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:16 PM	52:00	7.52 pH	20.03 °C	260.46 µS/cm	1.13 mg/L	9.22 NTU	112.0 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:20 PM	56:00	7.52 pH	20.31 °C	259.56 µS/cm	1.15 mg/L	9.15 NTU	111.9 mV	28.88 ft	0.14 PSU	120.00 ml/min

10/11/2023 3:24 PM	01:00:00	7.52 pH	20.44 °C	259.19 µS/cm	1.19 mg/L	8.70 NTU	111.8 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:28 PM	01:04:00	7.52 pH	20.71 °C	258.34 µS/cm	1.21 mg/L	7.97 NTU	111.6 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:32 PM	01:08:00	7.52 pH	20.65 °C	258.94 µS/cm	1.24 mg/L	7.87 NTU	111.5 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:36 PM	01:12:00	7.52 pH	20.61 °C	259.44 µS/cm	1.28 mg/L	7.90 NTU	111.4 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:40 PM	01:16:00	7.51 pH	20.69 °C	259.34 µS/cm	1.30 mg/L	7.63 NTU	111.4 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:44 PM	01:20:00	7.51 pH	20.65 °C	259.47 µS/cm	1.32 mg/L	7.31 NTU	111.3 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:48 PM	01:24:00	7.51 pH	20.98 °C	258.81 µS/cm	1.34 mg/L	6.89 NTU	111.1 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:52 PM	01:28:00	7.51 pH	20.93 °C	259.10 µS/cm	1.38 mg/L	6.05 NTU	111.0 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 3:56 PM	01:32:00	7.51 pH	21.00 °C	259.02 µS/cm	1.42 mg/L	5.81 NTU	110.9 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 4:00 PM	01:36:00	7.51 pH	20.89 °C	259.89 µS/cm	1.43 mg/L	5.56 NTU	110.8 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 4:04 PM	01:40:00	7.51 pH	20.89 °C	260.19 µS/cm	1.46 mg/L	5.12 NTU	110.6 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 4:08 PM	01:44:00	7.51 pH	20.86 °C	260.80 µS/cm	1.48 mg/L	4.79 NTU	110.5 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 4:12 PM	01:48:00	7.51 pH	20.83 °C	260.95 µS/cm	1.53 mg/L	4.92 NTU	110.3 mV	28.88 ft	0.14 PSU	120.00 ml/min
10/11/2023 4:16 PM	01:52:00	7.51 pH	20.95 °C	260.30 µS/cm	1.54 mg/L	4.70 NTU	110.4 mV	28.88 ft	0.14 PSU	120.00 ml/min

Samples

Sample ID:	Description:
GWC-29	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/12/2023 9:44:22 AM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-26 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 31.88 ft Total Depth: 41.88 ft Initial Depth to Water: 25.53 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 36.88 ft Estimated Total Volume Pumped: 3000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 0.02 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/12/2023 9:44 AM	00:00	7.66 pH	17.65 °C	252.56 µS/cm	5.67 mg/L	1.20 NTU	138.2 mV	25.55 ft	0.13 PSU	150.00 ml/min
10/12/2023 9:48 AM	04:00	7.65 pH	17.56 °C	249.35 µS/cm	5.66 mg/L	0.91 NTU	112.8 mV	25.55 ft	0.13 PSU	150.00 ml/min
10/12/2023 9:52 AM	08:00	7.64 pH	17.53 °C	249.51 µS/cm	5.55 mg/L	0.65 NTU	102.5 mV	25.55 ft	0.13 PSU	150.00 ml/min
10/12/2023 9:56 AM	12:00	7.64 pH	17.50 °C	249.33 µS/cm	5.40 mg/L	0.57 NTU	98.6 mV	25.55 ft	0.13 PSU	150.00 ml/min
10/12/2023 10:00 AM	16:00	7.64 pH	17.50 °C	249.58 µS/cm	5.25 mg/L	0.61 NTU	93.2 mV	25.55 ft	0.13 PSU	150.00 ml/min
10/12/2023 10:04 AM	20:00	7.64 pH	17.54 °C	249.55 µS/cm	5.14 mg/L	0.40 NTU	90.8 mV	25.55 ft	0.13 PSU	150.00 ml/min

Samples

Sample ID:	Description:
GWC-26	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/12/2023 11:11:39 AM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-27 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 35.6 ft Total Depth: 45.6 ft Initial Depth to Water: 25.68 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 40.6 ft Estimated Total Volume Pumped: 3720 ml Flow Cell Volume: 90 ml Final Flow Rate: 155 ml/min Final Draw Down: 0.06 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/12/2023 11:11 AM	00:00	7.69 pH	19.00 °C	240.13 µS/cm	5.59 mg/L	2.77 NTU	115.0 mV	25.73 ft	0.13 PSU	155.00 ml/min
10/12/2023 11:15 AM	04:00	7.73 pH	17.81 °C	244.49 µS/cm	5.44 mg/L	12.90 NTU	78.8 mV	25.73 ft	0.13 PSU	155.00 ml/min
10/12/2023 11:19 AM	08:00	7.74 pH	17.58 °C	245.48 µS/cm	5.39 mg/L	9.65 NTU	73.7 mV	25.73 ft	0.13 PSU	155.00 ml/min
10/12/2023 11:23 AM	12:00	7.74 pH	17.54 °C	247.43 µS/cm	5.34 mg/L	7.00 NTU	72.1 mV	25.73 ft	0.13 PSU	155.00 ml/min
10/12/2023 11:27 AM	16:00	7.74 pH	17.56 °C	249.08 µS/cm	5.31 mg/L	4.88 NTU	71.3 mV	25.74 ft	0.13 PSU	155.00 ml/min
10/12/2023 11:31 AM	20:00	7.74 pH	17.61 °C	250.35 µS/cm	5.26 mg/L	3.80 NTU	70.6 mV	25.74 ft	0.13 PSU	155.00 ml/min
10/12/2023 11:35 AM	24:00	7.74 pH	17.61 °C	251.32 µS/cm	5.25 mg/L	3.01 NTU	70.3 mV	25.74 ft	0.13 PSU	155.00 ml/min

Samples

Sample ID:	Description:
GWC-27	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/12/2023 11:14:36 AM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 28.52 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 56000 ml Flow Cell Volume: 90 ml Final Flow Rate: 400 ml/min Final Draw Down: 70.35 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

WL did not stabilize and dropped below top of screen. Complete evacuation method initiated. Samples to be collected 10/13.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/12/2023 11:14 AM	00:00	7.05 pH	21.18 °C	303.72 µS/cm	1.33 mg/L	1.79 NTU	143.1 mV	46.54 ft	0.16 PSU	110.00 ml/min
10/12/2023 11:18 AM	04:00	7.09 pH	19.89 °C	309.81 µS/cm	1.37 mg/L	2.95 NTU	125.6 mV	46.84 ft	0.17 PSU	110.00 ml/min
10/12/2023 11:22 AM	08:00	7.12 pH	19.76 °C	310.94 µS/cm	1.38 mg/L	2.70 NTU	109.8 mV	47.08 ft	0.17 PSU	110.00 ml/min
10/12/2023 11:26 AM	12:00	7.14 pH	19.46 °C	312.43 µS/cm	1.40 mg/L	2.24 NTU	95.7 mV	47.38 ft	0.17 PSU	110.00 ml/min
10/12/2023 11:30 AM	16:00	7.15 pH	19.99 °C	309.67 µS/cm	1.38 mg/L	2.25 NTU	83.9 mV	47.68 ft	0.17 PSU	110.00 ml/min
10/12/2023 11:34 AM	20:00	7.17 pH	18.29 °C	311.49 µS/cm	1.66 mg/L	1.98 NTU	76.8 mV	48.84 ft	0.17 PSU	300.00 ml/min
10/12/2023 11:38 AM	24:00	7.18 pH	18.63 °C	309.21 µS/cm	1.52 mg/L	1.76 NTU	79.8 mV	49.91 ft	0.17 PSU	300.00 ml/min
10/12/2023 11:42 AM	28:00	7.19 pH	18.19 °C	311.79 µS/cm	1.44 mg/L	1.68 NTU	81.9 mV	50.02 ft	0.17 PSU	300.00 ml/min
10/12/2023 11:46 AM	32:00	7.19 pH	18.34 °C	310.63 µS/cm	1.40 mg/L	1.49 NTU	82.2 mV	52.12 ft	0.17 PSU	300.00 ml/min
10/12/2023 11:50 AM	36:00	7.19 pH	18.05 °C	312.65 µS/cm	1.42 mg/L	1.76 NTU	83.1 mV	53.48 ft	0.17 PSU	300.00 ml/min
10/12/2023 11:54 AM	40:00	7.19 pH	18.37 °C	311.07 µS/cm	1.41 mg/L	1.92 NTU	82.7 mV	54.98 ft	0.17 PSU	300.00 ml/min
10/12/2023 11:58 AM	44:00	7.19 pH	18.86 °C	308.31 µS/cm	1.42 mg/L	2.18 NTU	82.7 mV	55.76 ft	0.16 PSU	300.00 ml/min
10/12/2023 12:02 PM	48:00	7.20 pH	18.81 °C	309.26 µS/cm	1.47 mg/L	2.25 NTU	82.9 mV	56.82 ft	0.17 PSU	300.00 ml/min
10/12/2023 12:06 PM	52:00	7.20 pH	18.95 °C	308.87 µS/cm	1.50 mg/L	2.39 NTU	82.8 mV	57.97 ft	0.16 PSU	300.00 ml/min
10/12/2023 12:10 PM	56:00	7.20 pH	18.69 °C	310.79 µS/cm	1.56 mg/L	2.36 NTU	82.1 mV	58.95 ft	0.17 PSU	300.00 ml/min

10/12/2023 12:14 PM	01:00:00	7.20 pH	19.16 °C	308.54 µS/cm	1.58 mg/L	2.25 NTU	81.6 mV	60.08 ft	0.16 PSU	300.00 ml/min
10/12/2023 12:18 PM	01:04:00	7.19 pH	19.13 °C	308.83 µS/cm	1.62 mg/L	2.26 NTU	81.8 mV	61.28 ft	0.16 PSU	300.00 ml/min
10/12/2023 12:22 PM	01:08:00	7.19 pH	19.15 °C	308.09 µS/cm	1.68 mg/L	2.97 NTU	82.1 mV	62.44 ft	0.16 PSU	300.00 ml/min
10/12/2023 12:26 PM	01:12:00	7.19 pH	19.21 °C	307.11 µS/cm	1.66 mg/L	2.25 NTU	82.2 mV	63.93 ft	0.16 PSU	400.00 ml/min
10/12/2023 12:30 PM	01:16:00	7.20 pH	19.38 °C	307.09 µS/cm	1.66 mg/L	2.27 NTU	82.9 mV	65.58 ft	0.16 PSU	400.00 ml/min
10/12/2023 12:34 PM	01:20:00	7.20 pH	18.93 °C	310.17 µS/cm	1.77 mg/L	2.32 NTU	83.2 mV	67.53 ft	0.17 PSU	400.00 ml/min
10/12/2023 12:38 PM	01:24:00	7.20 pH	19.00 °C	310.78 µS/cm	1.84 mg/L	2.67 NTU	83.8 mV	68.92 ft	0.17 PSU	400.00 ml/min
10/12/2023 12:42 PM	01:28:00	7.20 pH	19.01 °C	311.00 µS/cm	1.90 mg/L	2.32 NTU	83.8 mV	70.62 ft	0.17 PSU	400.00 ml/min
10/12/2023 12:46 PM	01:32:00	7.20 pH	19.46 °C	308.98 µS/cm	1.94 mg/L	2.39 NTU	83.3 mV	72.15 ft	0.16 PSU	400.00 ml/min
10/12/2023 12:50 PM	01:36:00	7.20 pH	19.52 °C	309.78 µS/cm	2.00 mg/L	2.31 NTU	84.0 mV	73.73 ft	0.17 PSU	400.00 ml/min
10/12/2023 12:54 PM	01:40:00	7.20 pH	19.39 °C	311.47 µS/cm	2.08 mg/L	1.93 NTU	83.9 mV	75.39 ft	0.17 PSU	400.00 ml/min
10/12/2023 12:58 PM	01:44:00	7.21 pH	19.00 °C	314.17 µS/cm	2.18 mg/L	1.88 NTU	83.7 mV	76.97 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:02 PM	01:48:00	7.21 pH	19.64 °C	311.37 µS/cm	2.20 mg/L	2.07 NTU	83.5 mV	78.62 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:06 PM	01:52:00	7.22 pH	19.63 °C	312.66 µS/cm	2.23 mg/L	1.70 NTU	83.4 mV	80.31 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:10 PM	01:56:00	7.22 pH	19.47 °C	315.45 µS/cm	2.34 mg/L	1.53 NTU	82.3 mV	81.61 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:14 PM	02:00:00	7.23 pH	19.62 °C	314.99 µS/cm	2.34 mg/L	1.25 NTU	81.1 mV	81.61 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:18 PM	02:04:00	7.23 pH	19.62 °C	315.39 µS/cm	2.40 mg/L	0.90 NTU	81.4 mV	84.78 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:22 PM	02:08:00	7.23 pH	19.74 °C	315.71 µS/cm	2.44 mg/L	1.25 NTU	80.7 mV	86.06 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:26 PM	02:12:00	7.24 pH	19.71 °C	316.87 µS/cm	2.47 mg/L	0.74 NTU	80.2 mV	87.42 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:30 PM	02:16:00	7.25 pH	19.61 °C	317.75 µS/cm	2.55 mg/L	0.90 NTU	77.7 mV	89.02 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:34 PM	02:20:00	7.25 pH	19.90 °C	316.73 µS/cm	2.63 mg/L	0.74 NTU	76.4 mV	90.54 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:38 PM	02:24:00	7.26 pH	19.72 °C	316.85 µS/cm	2.77 mg/L	0.93 NTU	76.2 mV	91.63 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:42 PM	02:28:00	7.27 pH	19.59 °C	317.91 µS/cm	2.86 mg/L	0.81 NTU	76.1 mV	93.03 ft	0.17 PSU	400.00 ml/min
10/12/2023 1:46 PM	02:32:00	7.26 pH	20.21 °C	319.73 µS/cm	2.93 mg/L	1.08 NTU	76.6 mV	93.38 ft	0.17 PSU	150.00 ml/min
10/12/2023 1:50 PM	02:36:00	7.27 pH	20.32 °C	317.46 µS/cm	2.95 mg/L	0.79 NTU	73.7 mV	93.88 ft	0.17 PSU	150.00 ml/min
10/12/2023 1:54 PM	02:40:00	7.28 pH	20.82 °C	314.08 µS/cm	2.97 mg/L	0.81 NTU	66.0 mV	94.27 ft	0.17 PSU	150.00 ml/min
10/12/2023 1:58 PM	02:44:00	7.30 pH	20.54 °C	316.24 µS/cm	3.09 mg/L	0.60 NTU	60.4 mV	94.49 ft	0.17 PSU	150.00 ml/min
10/12/2023 2:02 PM	02:48:00	7.30 pH	20.53 °C	314.57 µS/cm	3.09 mg/L	0.97 NTU	56.4 mV	94.84 ft	0.17 PSU	150.00 ml/min
10/12/2023 2:06 PM	02:52:00	7.32 pH	19.86 °C	315.38 µS/cm	3.24 mg/L	0.76 NTU	58.1 mV	96.08 ft	0.17 PSU	400.00 ml/min

10/12/2023 2:10 PM	02:56:00	7.30 pH	19.92 °C	312.68 μS/cm	2.84 mg/L	0.88 NTU	65.9 mV	97.49 ft	0.17 PSU	400.00 ml/min
10/12/2023 2:14 PM	03:00:00	7.30 pH	20.00 °C	313.58 μS/cm	2.85 mg/L	0.96 NTU	69.0 mV	98.87 ft	0.17 PSU	400.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 10/12/2023 12:21:09 PM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-27R Well Diameter: 2 in Casing Type: PVC Screen Length: 0 ft Top of Screen: 82.44 ft Total Depth: 92.44 ft Initial Depth to Water: 25.53 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.44 ft Estimated Total Volume Pumped: 11200 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 0.52 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/12/2023 12:21 PM	00:00	7.44 pH	19.63 °C	216.04 µS/cm	1.68 mg/L	3.93 NTU	28.3 mV	25.95 ft	0.11 PSU	140.00 ml/min
10/12/2023 12:25 PM	04:00	7.60 pH	18.53 °C	256.59 µS/cm	0.58 mg/L	6.40 NTU	-6.9 mV	26.02 ft	0.14 PSU	140.00 ml/min
10/12/2023 12:29 PM	08:00	7.63 pH	18.31 °C	259.73 µS/cm	0.54 mg/L	4.71 NTU	-34.2 mV	26.05 ft	0.14 PSU	140.00 ml/min
10/12/2023 12:33 PM	12:00	7.65 pH	18.21 °C	259.14 µS/cm	0.68 mg/L	5.92 NTU	-43.3 mV	26.05 ft	0.14 PSU	140.00 ml/min
10/12/2023 12:37 PM	16:00	7.66 pH	18.20 °C	253.31 µS/cm	0.97 mg/L	9.80 NTU	-38.7 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 12:41 PM	20:00	7.67 pH	18.20 °C	246.05 µS/cm	1.52 mg/L	16.70 NTU	-33.0 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 12:45 PM	24:00	7.67 pH	18.26 °C	245.19 µS/cm	1.71 mg/L	16.90 NTU	-32.9 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 12:49 PM	28:00	7.67 pH	18.60 °C	243.33 µS/cm	1.90 mg/L	13.90 NTU	-31.1 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 12:53 PM	32:00	7.68 pH	19.03 °C	242.88 µS/cm	1.88 mg/L	12.90 NTU	-29.3 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 12:57 PM	36:00	7.68 pH	18.84 °C	241.22 µS/cm	2.07 mg/L	8.97 NTU	-28.9 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 1:01 PM	40:00	7.69 pH	18.62 °C	241.02 µS/cm	2.13 mg/L	8.54 NTU	-27.5 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 1:05 PM	44:00	7.68 pH	18.48 °C	241.09 µS/cm	2.13 mg/L	7.74 NTU	-27.9 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 1:09 PM	48:00	7.68 pH	18.49 °C	239.15 µS/cm	2.29 mg/L	6.79 NTU	-25.9 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 1:13 PM	52:00	7.68 pH	18.66 °C	237.79 µS/cm	2.44 mg/L	6.25 NTU	-22.4 mV	26.05 ft	0.13 PSU	140.00 ml/min
10/12/2023 1:17 PM	56:00	7.69 pH	18.79 °C	235.85 µS/cm	2.61 mg/L	4.52 NTU	-19.8 mV	26.05 ft	0.13 PSU	140.00 ml/min

10/12/2023 1:21 PM	01:00:00	7.68 pH	18.83 °C	234.53 µS/cm	2.77 mg/L	4.32 NTU	-17.3 mV	26.05 ft	0.12 PSU	140.00 ml/min
10/12/2023 1:25 PM	01:04:00	7.69 pH	18.79 °C	234.30 µS/cm	2.89 mg/L	4.50 NTU	-16.3 mV	26.05 ft	0.12 PSU	140.00 ml/min
10/12/2023 1:29 PM	01:08:00	7.69 pH	18.79 °C	233.68 µS/cm	2.94 mg/L	3.77 NTU	-13.1 mV	26.05 ft	0.12 PSU	140.00 ml/min
10/12/2023 1:33 PM	01:12:00	7.69 pH	18.83 °C	233.25 µS/cm	2.98 mg/L	4.61 NTU	-12.3 mV	26.05 ft	0.12 PSU	140.00 ml/min
10/12/2023 1:37 PM	01:16:00	7.70 pH	18.85 °C	233.19 µS/cm	3.00 mg/L	4.28 NTU	-11.5 mV	26.05 ft	0.12 PSU	140.00 ml/min
10/12/2023 1:41 PM	01:20:00	7.70 pH	18.64 °C	232.61 µS/cm	3.16 mg/L	3.43 NTU	-9.9 mV	26.05 ft	0.12 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-27R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/12/2023 2:52:24 PM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-28 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 37.33 ft Total Depth: 47.33 ft Initial Depth to Water: 24.76 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 87.44 ft Estimated Total Volume Pumped: 9960 ml Flow Cell Volume: 90 ml Final Flow Rate: 140 ml/min Final Draw Down: 5.49 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 1L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/12/2023 2:52 PM	00:00	7.53 pH	19.73 °C	241.91 µS/cm	1.47 mg/L	1.79 NTU	-11.4 mV	25.87 ft	0.13 PSU	150.00 ml/min
10/12/2023 2:56 PM	04:00	7.52 pH	18.64 °C	219.20 µS/cm	1.63 mg/L	1.37 NTU	21.9 mV	26.47 ft	0.12 PSU	150.00 ml/min
10/12/2023 3:00 PM	08:00	7.52 pH	18.43 °C	216.03 µS/cm	1.83 mg/L	1.38 NTU	35.3 mV	27.18 ft	0.11 PSU	150.00 ml/min
10/12/2023 3:04 PM	12:00	7.53 pH	18.39 °C	215.33 µS/cm	1.71 mg/L	0.87 NTU	41.1 mV	27.72 ft	0.11 PSU	150.00 ml/min
10/12/2023 3:08 PM	16:00	7.53 pH	18.66 °C	215.23 µS/cm	1.41 mg/L	1.08 NTU	42.6 mV	28.20 ft	0.11 PSU	150.00 ml/min
10/12/2023 3:12 PM	20:00	7.56 pH	18.83 °C	215.49 µS/cm	1.24 mg/L	1.09 NTU	43.1 mV	28.62 ft	0.11 PSU	150.00 ml/min
10/12/2023 3:16 PM	24:00	7.58 pH	18.92 °C	215.49 µS/cm	1.10 mg/L	0.85 NTU	43.9 mV	29.00 ft	0.11 PSU	150.00 ml/min
10/12/2023 3:20 PM	28:00	7.61 pH	18.57 °C	217.26 µS/cm	1.00 mg/L	0.74 NTU	45.9 mV	29.33 ft	0.12 PSU	150.00 ml/min
10/12/2023 3:24 PM	32:00	7.63 pH	18.48 °C	218.79 µS/cm	0.89 mg/L	0.52 NTU	44.4 mV	29.63 ft	0.12 PSU	150.00 ml/min
10/12/2023 3:28 PM	36:00	7.65 pH	18.39 °C	220.50 µS/cm	0.82 mg/L	0.59 NTU	41.9 mV	29.90 ft	0.12 PSU	150.00 ml/min
10/12/2023 3:32 PM	40:00	7.67 pH	18.53 °C	224.48 µS/cm	0.72 mg/L	0.50 NTU	38.4 mV	30.01 ft	0.12 PSU	150.00 ml/min
10/12/2023 3:36 PM	44:00	7.69 pH	18.21 °C	228.60 µS/cm	0.67 mg/L	0.40 NTU	36.8 mV	30.10 ft	0.12 PSU	140.00 ml/min
10/12/2023 3:40 PM	48:00	7.70 pH	18.20 °C	234.72 µS/cm	0.58 mg/L	0.56 NTU	32.1 mV	30.12 ft	0.12 PSU	140.00 ml/min
10/12/2023 3:44 PM	52:00	7.72 pH	18.17 °C	241.78 µS/cm	0.47 mg/L	0.48 NTU	26.8 mV	30.15 ft	0.13 PSU	140.00 ml/min
10/12/2023 3:48 PM	56:00	7.73 pH	18.15 °C	247.44 µS/cm	0.42 mg/L	0.21 NTU	20.2 mV	30.18 ft	0.13 PSU	140.00 ml/min

10/12/2023 3:52 PM	01:00:00	7.75 pH	18.08 °C	249.80 µS/cm	0.38 mg/L	0.46 NTU	17.4 mV	30.20 ft	0.13 PSU	140.00 ml/min
10/12/2023 3:56 PM	01:04:00	7.75 pH	18.10 °C	247.57 µS/cm	0.36 mg/L	0.30 NTU	16.0 mV	30.22 ft	0.13 PSU	140.00 ml/min
10/12/2023 4:00 PM	01:08:00	7.75 pH	18.12 °C	245.74 µS/cm	0.35 mg/L	0.39 NTU	16.6 mV	30.25 ft	0.13 PSU	140.00 ml/min

Samples

Sample ID:	Description:
GWC-28	Metals, Inorganics, Alkalinity, TDS, Radium
FD-02	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/12/2023 3:06:28 PM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 34.55 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 8320 ml Flow Cell Volume: 90 ml Final Flow Rate: 100 ml/min Final Draw Down: 6.47 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:

Pre-purged 1 liter. WL didn't stabilize and dropped into the screen. Complete evacuation method initiated.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/12/2023 3:06 PM	00:00	7.08 pH	25.93 °C	368.21 µS/cm	4.31 mg/L	1.10 NTU	96.6 mV	35.91 ft	0.19 PSU	120.00 ml/min
10/12/2023 3:10 PM	04:00	7.12 pH	21.71 °C	388.69 µS/cm	5.80 mg/L	1.26 NTU	94.2 mV	36.30 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:14 PM	08:00	7.15 pH	22.24 °C	381.41 µS/cm	6.34 mg/L	1.15 NTU	94.4 mV	36.69 ft	0.20 PSU	120.00 ml/min
10/12/2023 3:18 PM	12:00	7.19 pH	21.62 °C	379.65 µS/cm	6.78 mg/L	1.53 NTU	94.8 mV	37.09 ft	0.20 PSU	120.00 ml/min
10/12/2023 3:22 PM	16:00	7.22 pH	21.04 °C	380.24 µS/cm	7.12 mg/L	1.17 NTU	95.3 mV	37.44 ft	0.20 PSU	120.00 ml/min
10/12/2023 3:26 PM	20:00	7.24 pH	21.21 °C	379.92 µS/cm	7.11 mg/L	0.95 NTU	95.6 mV	37.76 ft	0.20 PSU	120.00 ml/min
10/12/2023 3:30 PM	24:00	7.26 pH	20.92 °C	381.84 µS/cm	7.15 mg/L	1.06 NTU	96.1 mV	38.19 ft	0.20 PSU	120.00 ml/min
10/12/2023 3:34 PM	28:00	7.27 pH	20.49 °C	386.31 µS/cm	7.20 mg/L	0.98 NTU	96.6 mV	38.52 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:38 PM	32:00	7.29 pH	20.34 °C	386.51 µS/cm	7.16 mg/L	1.00 NTU	97.0 mV	38.82 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:42 PM	36:00	7.29 pH	20.52 °C	385.89 µS/cm	7.04 mg/L	0.95 NTU	97.3 mV	39.13 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:46 PM	40:00	7.30 pH	20.38 °C	388.31 µS/cm	7.01 mg/L	0.98 NTU	97.7 mV	39.43 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:50 PM	44:00	7.30 pH	20.66 °C	387.66 µS/cm	6.85 mg/L	0.96 NTU	97.9 mV	39.70 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:54 PM	48:00	7.30 pH	20.58 °C	389.77 µS/cm	6.79 mg/L	1.16 NTU	98.3 mV	40.01 ft	0.21 PSU	120.00 ml/min
10/12/2023 3:58 PM	52:00	7.30 pH	20.83 °C	389.86 µS/cm	6.64 mg/L	0.96 NTU	98.5 mV	40.26 ft	0.21 PSU	120.00 ml/min
10/12/2023 4:02 PM	56:00	7.30 pH	21.01 °C	390.19 µS/cm	6.53 mg/L	0.85 NTU	98.7 mV	40.49 ft	0.21 PSU	100.00 ml/min

10/12/2023 4:06 PM	01:00:00	7.29 pH	21.39 °C	391.15 µS/cm	6.45 mg/L	0.86 NTU	98.7 mV	40.67 ft	0.21 PSU	100.00 ml/min
10/12/2023 4:10 PM	01:04:00	7.27 pH	22.27 °C	389.38 µS/cm	6.23 mg/L	0.69 NTU	98.7 mV	40.79 ft	0.21 PSU	100.00 ml/min
10/12/2023 4:14 PM	01:08:00	7.26 pH	22.40 °C	389.36 µS/cm	6.06 mg/L	0.92 NTU	98.8 mV	40.89 ft	0.21 PSU	100.00 ml/min
10/12/2023 4:18 PM	01:12:00	7.24 pH	22.84 °C	387.88 µS/cm	5.97 mg/L	0.72 NTU	98.8 mV	41.02 ft	0.21 PSU	100.00 ml/min

Samples

Sample ID:	Description:
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Low-Flow Test Report:

Test Date / Time: 10/13/2023 9:38:45 AM

Project: Bowen LF Expansion Background October 2023

Operator Name: Meredith Duncan

Location Name: GWC-32 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 52.66 ft Total Depth: 62.66 ft Initial Depth to Water: 41.98 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 57.66 ft Estimated Total Volume Pumped: 9000 ml Flow Cell Volume: 90 ml Final Flow Rate: 150 ml/min Final Draw Down: 5.19 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789301
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Test Notes:

Prepurge 2L

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000	+/- 5 %	+/- 10 %	+/- 5	+/- 1000	+/- 0.3	+/- 10	
10/13/2023 9:38 AM	00:00	7.18 pH	17.32 °C	474.67 µS/cm	0.60 mg/L	1.09 NTU	-15.8 mV	43.15 ft	0.26 PSU	150.00 ml/min
10/13/2023 9:42 AM	04:00	7.20 pH	17.14 °C	477.72 µS/cm	0.29 mg/L	0.69 NTU	-16.7 mV	43.75 ft	0.26 PSU	150.00 ml/min
10/13/2023 9:46 AM	08:00	7.20 pH	17.13 °C	477.24 µS/cm	0.23 mg/L	0.90 NTU	-18.7 mV	44.17 ft	0.26 PSU	150.00 ml/min
10/13/2023 9:50 AM	12:00	7.20 pH	17.18 °C	475.54 µS/cm	0.20 mg/L	1.19 NTU	-19.7 mV	44.65 ft	0.26 PSU	150.00 ml/min
10/13/2023 9:54 AM	16:00	7.20 pH	17.20 °C	469.24 µS/cm	0.23 mg/L	0.73 NTU	-17.8 mV	45.00 ft	0.25 PSU	150.00 ml/min
10/13/2023 9:58 AM	20:00	7.19 pH	17.19 °C	464.23 µS/cm	0.28 mg/L	0.82 NTU	-14.2 mV	45.33 ft	0.25 PSU	150.00 ml/min
10/13/2023 10:02 AM	24:00	7.18 pH	17.23 °C	461.70 µS/cm	0.32 mg/L	0.60 NTU	-14.0 mV	45.62 ft	0.25 PSU	150.00 ml/min
10/13/2023 10:06 AM	28:00	7.19 pH	17.23 °C	459.93 µS/cm	0.34 mg/L	0.59 NTU	-12.9 mV	45.86 ft	0.25 PSU	150.00 ml/min
10/13/2023 10:10 AM	32:00	7.19 pH	17.27 °C	458.75 µS/cm	0.33 mg/L	0.75 NTU	-14.8 mV	46.10 ft	0.25 PSU	150.00 ml/min
10/13/2023 10:14 AM	36:00	7.20 pH	17.36 °C	454.84 µS/cm	0.32 mg/L	0.74 NTU	-16.5 mV	46.29 ft	0.25 PSU	150.00 ml/min
10/13/2023 10:18 AM	40:00	7.21 pH	17.41 °C	452.80 µS/cm	0.32 mg/L	0.89 NTU	-19.9 mV	46.49 ft	0.24 PSU	150.00 ml/min
10/13/2023 10:22 AM	44:00	7.22 pH	17.41 °C	447.53 µS/cm	0.30 mg/L	0.96 NTU	-23.0 mV	46.63 ft	0.24 PSU	150.00 ml/min
10/13/2023 10:26 AM	48:00	7.22 pH	17.43 °C	445.78 µS/cm	0.29 mg/L	0.58 NTU	-26.8 mV	46.80 ft	0.24 PSU	150.00 ml/min
10/13/2023 10:30 AM	52:00	7.22 pH	17.45 °C	443.82 µS/cm	0.29 mg/L	0.59 NTU	-26.4 mV	46.92 ft	0.24 PSU	150.00 ml/min
10/13/2023 10:34 AM	56:00	7.22 pH	17.45 °C	440.03 µS/cm	0.35 mg/L	0.40 NTU	-27.1 mV	47.03 ft	0.24 PSU	150.00 ml/min

10/13/2023 10:38 AM	01:00:00	7.22 pH	17.46 °C	437.56 µS/cm	0.44 mg/L	0.31 NTU	-25.5 mV	47.17 ft	0.24 PSU	150.00 ml/min
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Samples

Sample ID:	Description:
GWC-32	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/13/2023 9:52:09 AM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

Location Name: GWC-29R Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 99.25 ft Total Depth: 109.25 ft Initial Depth to Water: 60.72 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 104.25 ft Estimated Total Volume Pumped: 330 ml Flow Cell Volume: 90 ml Final Flow Rate: 110 ml/min Final Draw Down: 1.11 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Sample collection from Complete Evacuation from 10/12

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/13/2023 9:52 AM	00:00	7.07 pH	21.86 °C	294.73 µS/cm	5.64 mg/L	0.54 NTU	180.4 mV	60.72 ft	0.16 PSU	110.00 ml/min
10/13/2023 9:53 AM	01:00	7.08 pH	20.06 °C	298.44 µS/cm	5.87 mg/L	0.54 NTU	175.6 mV	61.68 ft	0.16 PSU	110.00 ml/min
10/13/2023 9:54 AM	02:00	7.11 pH	20.59 °C	291.82 µS/cm	5.65 mg/L	0.54 NTU	171.4 mV	61.74 ft	0.16 PSU	110.00 ml/min
10/13/2023 9:55 AM	03:00	7.14 pH	19.89 °C	294.21 µS/cm	5.69 mg/L	0.54 NTU	167.6 mV	61.83 ft	0.16 PSU	110.00 ml/min

Samples

Sample ID:	Description:
GWC-29R	Metals, Inorganics, Alkalinity, TDS, Radium

Low-Flow Test Report:

Test Date / Time: 10/13/2023 11:02:05 AM
Project: Bowen LF Expansion October 2023
Operator Name: Kevin Stephenson

Location Name: GWC-30 Well Diameter: 2 in Casing Type: PVC Screen Length: 10 ft Top of Screen: 41 ft Total Depth: 51 ft Initial Depth to Water: 34.62 ft	Pump Type: QED Dedicated Tubing Type: LDPE Pump Intake From TOC: 46 ft Estimated Total Volume Pumped: 320 ml Flow Cell Volume: 90 ml Final Flow Rate: 160 ml/min Final Draw Down: 1.1 ft	Instrument Used: Aqua TROLL 400 Serial Number: 789317
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Test Notes:
Sample collection from Complete Evacuation from 10/12

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Salinity	Flow
		+/- 0.1	+/- 1000 %	+/- 5 %	+/- 10 %	+/- 5	+/- 1000 %	+/- 0.3	+/- 1000 %	
10/13/2023 11:02 AM	00:00	7.24 pH	21.66 °C	362.69 µS/cm	5.66 mg/L	0.93 NTU	147.1 mV	35.44 ft	0.19 PSU	160.00 ml/min
10/13/2023 11:03 AM	01:00	7.23 pH	19.88 °C	373.98 µS/cm	5.90 mg/L	0.93 NTU	159.7 mV	35.60 ft	0.20 PSU	160.00 ml/min
10/13/2023 11:04 AM	02:00	7.22 pH	19.66 °C	373.86 µS/cm	5.87 mg/L	0.93 NTU	158.6 mV	35.72 ft	0.20 PSU	160.00 ml/min

Samples

Sample ID:	Description:
GWC-30	Metals, Inorganics, Alkalinity, TDS, Radium

Site Name: Sagwolf

Field Instrumentation Calibration Form

Date: 10/10/23

Calibrated By: KLS

Field Conditions: 70°/54°

Instrument	Manufacturer/Model	Serial Number
Water Quality Meter	AquaTroll 400	782317
Turbidity Meter	LaMotte 2020	9429-4417

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	93.44	12.14	± 10%	NA
Specific Conductance (µS/cm)	4.490	3751.50	13.72	± 10% of standard	EPA 2023
pH (SU)	4.00	4.05	13.72	± 0.1	GWMP
pH (SU)	7.00	7.01	14.02	± 0.1	GWMP
pH (SU)	10.00	10.08	13.79	± 0.1	GWMP
ORP (mV)	228.0	238.1	14.09	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.11		
	10.00	9.99		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4120.0	23.95	± 10% of standard	EPA 2023
pH (SU)	4.00	4.22	23.95	± 0.1	GWMP
pH (SU)	7.00	7.29	23.63	± 0.1	GWMP
pH (SU)	10.00	10.24	25.44	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.12	± 10% of standard	EPA 2023
	1.00	0.85		
	10.00	9.61		

Notes:

Site Name: Lower LF

Field Instrumentation Calibration Form

Date: 10/10/23

Calibrated By: Meredith Duran

Field Conditions: 51° Foggy

Instrument	Manufacturer/Model	Serial Number
Water Quality Meter	AquaTrot 400	789301
Turbidity Meter	LaMotte 2020	1511-4111

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	0840	Time Finish	0903		
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	103.30	10.81	± 10%	NA
Specific Conductance (µS/cm)	4.490	4564.2	12.57	± 10% of standard	EPA 2023
pH (SU)	4.00	4.08	12.67	± 0.1	GWMP
pH (SU)	7.00	7.16	12.82	± 0.1	GWMP
pH (SU)	10.00	10.24	12.79	± 0.1	GWMP
ORP (mV)	228.0	235.3	12.76	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.98		
	10.00	10.02		

Calibration Check					
Time Start	1810	Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4601.9	22.09	± 10% of standard	EPA 2023
pH (SU)	4.00	4.14	22.13	± 0.1	GWMP
pH (SU)	7.00	7.22	23.08	± 0.1	GWMP
pH (SU)	10.00	10.18	24.20	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.02	± 10% of standard	EPA 2023
	1.00	1.07		
	10.00	10.00		

Notes:

Site Name: Seward LF

Field Instrumentation Calibration Form

Date: 10/11/23

Calibrated By: KMS

Field Conditions: 75°/55°

Instrument	Manufacturer/Model	Serial Number
Water Quality Meter	AquaTron 400	789317
Turbidity Meter	LaMotte 2020	2008-0320

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	107.25	17.68	± 10%	NA
Specific Conductance (µS/cm)	4,490	4027.4	17.97	± 10% of standard	EPA 2023
pH (SU)	4.00	3.99	17.79	± 0.1	GWMP
pH (SU)	7.00	7.03	17.86	± 0.1	GWMP
pH (SU)	10.00	10.06	18.30	± 0.1	GWMP
ORP (mV)	228.0	221.2	18.33	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	-0.02	± 10% of standard	EPA 2023
	1.00	1.17		
	10.00	9.98		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4,490	4428.7	20.54	± 10% of standard	EPA 2023
pH (SU)	4.00	4.11	20.65	± 0.1	GWMP
pH (SU)	7.00	7.11	20.91	± 0.1	GWMP
pH (SU)	10.00	10.16	20.92	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.06	± 10% of standard	EPA 2023
	1.00	1.01		
	10.00	9.70		

Notes:

Site Name: Bowen LF

Field Instrumentation Calibration Form

Date: 10/11/23

Calibrated By: Meredith Duncan

Field Conditions: 61°

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	AquaTroll 400	789301
Turbidity Meter	LaMotte 2020	Q429-4417

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4,490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
0841	N/A	102.87	17.58°	± 10%	NA
	4,490	4446.2	17.84	± 10% of standard	EPA 2023
	4.00	3.97	17.89	± 0.1	GWMP
	7.00	6.93	18.00	± 0.1	GWMP
	10.00	9.93	17.87	± 0.1	GWMP
	228.0	236.5	17.77	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.01		
	1.00	0.94		
	10.00	9.51		

Calibration Check					
Time Start	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
1644	4,490	4503.1	18.96	± 10% of standard	EPA 2023
	4.00	4.10	18.98	± 0.1	GWMP
	7.00	7.12	18.92	± 0.1	GWMP
	10.00	10.18	19.01	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.00		
	1.00	1.01		
	10.00	10.07		

Notes:

Site Name: Sprague LF

Field Instrumentation Calibration Form

Date: 11/2/23

Calibrated By: KMS

Field Conditions: 70-15.5

Instrument	Manufacturer Model	Serial Number
Water Quality Meter	AquaTroll 400	789317
Turbidity Meter	LaMotte 2020	1511-411

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
D.O. (%)	N/A	101.43	18.50	± 10%	NA
Specific Conductance (µS/cm)	4.490	4403.2	18.36	± 10% of standard	EPA 2023
pH (SU)	4.00	3.58	18.02	± 0.1	GWMP
pH (SU)	7.00	7.02	18.09	± 0.1	GWMP
pH (SU)	10.00	10.02	18.20	± 0.1	GWMP
ORP (mV)	228.0	236.2	17.74	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.01	± 10% of standard	EPA 2023
	1.00	1.05		
	10.00	10.2		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
Specific Conductance (µS/cm)	4.490	4462.7	22.12	± 10% of standard	EPA 2023
pH (SU)	4.00	4.09	22.01	± 0.1	GWMP
pH (SU)	7.00	7.12	22.70	± 0.1	GWMP
pH (SU)	10.00	10.11	23.33	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	-0.02	± 10% of standard	EPA 2023
	1.00	0.90		
	10.00	10.60		

Notes:

Site Name: Bowen LF

Field Instrumentation Calibration Form

Date: 10/12/23

Calibrated By: Meredith Duran

Field Conditions: 61" Rainy

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	AquaTrol 400	789301
Turbidity Meter	LoMotte 2020	9429-4417

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	05/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
0830					
	N/A	99.53	16.33	± 10%	NA
	4.490	4484.4	16.38	± 10% of standard	EPA 2023
	4.00	4.00	16.51	± 0.1	GWMP
	7.00	6.93	16.51	± 0.1	GWMP
	10.00	9.87	16.57	± 0.1	GWMP
	228.0	240	16.56	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.10	± 10% of standard	EPA 2023
	1.00	1.03		
	10.00	9.70		

Calibration Check					
Time Start	Standard	Calibration Value	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
1731					
	4.490	4518.2	20.38	± 10% of standard	EPA 2023
	4.00	4.08	20.48	± 0.1	GWMP
	7.00	7.16	20.94	± 0.1	GWMP
	10.00	10.17	22.08	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.01	± 10% of standard	EPA 2023
	1.00	0.83		
	10.00	9.57		

Notes:

Site Name: Bowling LF

Field Instrumentation Calibration Form

Date: 10/13/23Calibrated By: WASField Conditions: 66°/55°

Instrument	Manufacturer/Model	Serial Number
Water Quality Meter	AquaTrol 400	789317
Turbidity Meter	LaMotte 2020	1511-411

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance ($\mu\text{S}/\text{cm}$)	4,490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	06/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
D.O. (%)	N/A	96.07	18.62	$\pm 10\%$	NA
Specific Conductance ($\mu\text{S}/\text{cm}$)	4,490	4,405.7	19.32	$\pm 10\%$ of standard	EPA 2023
pH (SU)	4.00	4.02	19.30	± 0.1	GWMP
pH (SU)	7.00	7.01	18.70	± 0.1	GWMP
pH (SU)	10.00	10.03	18.47	± 0.1	GWMP
ORP (mV)	228.0	225.3	18.65	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.04	$\pm 10\%$ of standard	EPA 2023
	1.00	1.01		
	10.00	10.03		

Calibration Check					
Time Start		Time Finish			
Parameter	Standard	Calibration Value	Calibration Solution Temperature ($^{\circ}\text{C}$)	Acceptance Criteria	Reference
Specific Conductance ($\mu\text{S}/\text{cm}$)	4,490	4,616.3	19.28	$\pm 10\%$ of standard	EPA 2023
pH (SU)	4.00	4.15	19.37	± 0.1	GWMP
pH (SU)	7.00	7.20	19.75	± 0.1	GWMP
pH (SU)	10.00	10.20	20.98	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.08	$\pm 10\%$ of standard	EPA 2023
	1.00	0.93		
	10.00	10.42		

Notes:

Site Name: Plant Bowen

Field Instrumentation Calibration Form

Date: 10/13/23

Calibrated By: Meredith Duncan

Field Conditions: 62° Rain

Instrument	Manufacturer/ Model	Serial Number
Water Quality Meter	AquaTrol 400	T89301
Turbidity Meter	LaMotte 2020	9429-4417

Calibration Standard Information				
Parameter	Standard	Lot #	Date of Expiration	Brand
Specific Conductance (µS/cm)	4.490	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	4.00	24000044	05/2024	Atlanta Instrument Rental, Inc.
pH (SU)	7.00	22290139	04/2024	Atlanta Instrument Rental, Inc.
pH (SU)	10.00	22110130	04/2024	Atlanta Instrument Rental, Inc.
D.O. (%)	N/A	24000044	05/2024	Atlanta Instrument Rental, Inc.
ORP (mV)	228.0	24002258	05/2024	Atlanta Instrument Rental, Inc.

Calibration					
Time Start	Standard	Time Finish	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
0820	N/A				
D.O. (%)	N/A	100.97	15.83	± 10%	NA
Specific Conductance (µS/cm)	4.490	4483.6	16.15	± 10% of standard	EPA 2023
pH (SU)	4.00	3.85	16.38	± 0.1	GWMP
pH (SU)	7.00	6.82	16.69	± 0.1	GWMP
pH (SU)	10.00	9.89	16.74	± 0.1	GWMP
ORP (mV)	228.0	226.5	16.88	± 10	EPA 2023

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.92		
	10.00	9.62		

Calibration Check					
Time Start	Standard	Time Finish	Calibration Solution Temperature (°C)	Acceptance Criteria	Reference
1140					
Specific Conductance (µS/cm)	4.490	4484.2	17.76	± 10% of standard	EPA 2023
pH (SU)	4.00	4.14	17.65	± 0.1	GWMP
pH (SU)	7.00	7.15	17.81	± 0.1	GWMP
pH (SU)	10.00	10.16	18.39	± 0.1	GWMP

Turbidity (NTU)	Standard	Calibration Value	Acceptance Criteria	Reference
	0.00	0.02	± 10% of standard	EPA 2023
	1.00	0.90		
	10.00	9.57		

Notes:

**APPENDIX E
HISTORICAL SURFACE WATER
ANALYTICAL DATA**

Constituent		Well ID		
		SPRING	SPRING	SPRING
		3/9/2016	3/13/2018	3/6/2020
Appendix III	Boron	0.0376 J	0.0042 J	0.0082 J
	Calcium	25	25.8	14.0
	Chloride	2.4074	2.6	2.1
	Fluoride	0.0268 J	0.096 J	< 0.050
	pH	NA	7.43	7.2
	Sulfate	1.7054	2.1	3.4
	TDS	66	111	75.0
Appendix I	Antimony	< 0.00300	< 0.003	< 0.00027
	Arsenic	< 0.00500	0.0006 J	0.00041 J
	Barium	0.0177	0.054	0.039
	Beryllium	< 0.00300	< 0.003	< 0.000074
	Cadmium	< 0.00100	< 0.001	< 0.00011
	Chromium	< 0.0100	< 0.01	0.0033 J
	Cobalt	< 0.0100	0.001 J	0.00051 J
	Copper	< 0.0250	< 0.025	0.0015 J
	Lead	< 0.00500	0.00037 J	0.00071 J
	Lithium	< 0.0500	NA	NA
	Mercury	< 0.000500	< 0.0005	< 0.00014
	Molybdenum	< 0.0100	NA	NA
	Nickel	< 0.0100	< 0.01	0.0014 J
	Selenium	< 0.0100	< 0.01	< 0.0013
	Silver	< 0.0100	< 0.01	< 0.00028
	Thallium	< 0.00100	< 0.001	< 0.000052
Vanadium	< 0.0100	< 0.01	0.0032 J	
Zinc	0.00315 J	< 0.01 U*	0.0064 J	

Notes:

1. Results for constituents are reported in milligrams per liter (mg/L). pH reported in standard units (s.u.).
2. < indicates the constituent was not detected above the analytical reporting detection limit (RDL) shown.
3. J indicates the constituent was detected at such low levels that the precision of the laboratory instruments could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated number.
4. U* indicates this analyte should be considered "not-detected" because it was detected in an associated blank at a similar level.
5. Appendix III - indicator parameters evaluated during Detection Monitoring.
6. TDS indicates Total Dissolved Solids
7. NA indicates constituent was not sampled
8. Semi-annual sampling of the Spring has been conducted in accordance with the previous Georgia Solid Waste Permit No 008-018D (LI) issued in 2007 and continues to date under the 2022 CCR Permit Groundwater Monitoring Plan (GWMP). The Spring was dry during events not listed on the table.

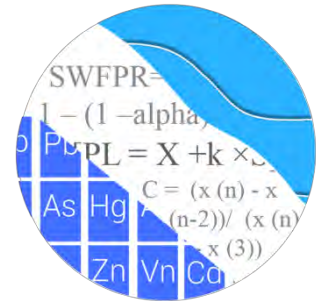
APPENDIX F STATISTICAL RESULTS



GROUNDWATER STATS CONSULTING

August 31, 2023

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374



Re: Plant Bowen Landfill Cells 1, 2, 9, and 10
Statistical Analysis – February 2023 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the February 2023 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement

well GWA-3A. No significant changes in statistical limits resulted from these revised measurements.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that the terms “parameters” and “constituents” are interchangeable throughout this report. When there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contains varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case.

Reporting limit changes may occur depending on laboratory capabilities. In the case of beryllium and mercury, a change in laboratories resulted in a decrease in the respective reporting limits. The historic reporting limit of 0.003 mg/L for beryllium and 0.0005 mg/L

for mercury were substituted in place of the most recent reporting limits of 0.0005 mg/L for beryllium and 0.0002 mg/L for mercury, as requested by Stantec, to be consistent with previous statistical limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. A few well/constituent pairs have a limited background data set with a minimum of 11 observations due either to sampling or truncation of background date ranges. As more samples are collected, these well/constituent pairs will meet the minimum power requirements. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc)
- Interwell Prediction Limits with 1-of-2 resample plan (beryllium, mercury, and thallium)
- # Constituents: 16
- # Downgradient wells: 26

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride, sulfate, TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (chloride and pH)
- # Constituents: 7
- # Downgradient wells: 26

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual

event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is higher than the desired annual sitewide rate of

10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample exceeds the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an apparent intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Appendix I & Appendix III Background Screening & Update – Conducted in April 2022

Outlier Analysis

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data at all wells through February 2022. Tukey's test identified several potential outliers and confirmed previously flagged values. Some identified values were not flagged because they appeared to be representative of natural variation. High values that were not identified by Tukey's test but flagged as outliers reduced variation among background datasets and resulted in statistical limits that are conservative (in most cases, lower) from a regulatory perspective. Note that previously flagged values for antimony at upgradient wells GWA-1 and GWA-2 along with downgradient well GWC-11R were unflagged during the background update as more recent values were of similar concentration. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Summary tables of all flagged values follow this report (Figure C).

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. The ANOVA identified variation for all Appendix I & III parameters except for mercury and thallium; therefore, mercury and thallium will be tested with interwell statistical methods.

All parameters were further evaluated as described for the appropriateness of intrawell testing to accommodate the groundwater quality. A summary table of the ANOVA results is included with the reports.

Eligibility of Intrawell Methods

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix I and III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits are used in conjunction with confidence intervals to determine whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. Upper tolerance limits estimate an upper percentile (in this case the 99th percentile) with known confidence level and thus represent the upper range of likely background values. Tolerance limits are similar to prediction limits that are used for detection monitoring, but tolerance limits are constructed to contain a given fraction of the background population whereas prediction limits are constructed to contain a given number of future observations with known confidence level.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent, an independent study and hydrogeological investigation would be required to identify local geochemical conditions and expected groundwater quality for the region to justify an intrawell approach. Such an assessment is beyond the scope of services provided by Groundwater Stats Consulting. When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells, interwell prediction limits will initially be selected for the statistical method until further evidence shows that concentrations are due to natural variation rather than a result of the facility.

Upper Tolerance Limits

Parametric tolerance limits were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented and the confidence and coverage levels for nonparametric tolerance limits increase.

Confidence Intervals

Confidence intervals were constructed on downgradient wells for each of the Appendix I & III parameters, using the tolerance limits discussed above, to determine intrawell eligibility. When the entire confidence interval is above a background standard for a given parameter, interwell methods are initially recommended as the statistical method. Therefore, only parameters with confidence intervals which did not exceed background standards are eligible for intrawell prediction limits. Note that well/constituent pairs with 100% non-detects were deselected prior to construction of confidence intervals, and a list of these well/constituent pairs follows this report.

Confidence intervals for Appendix I & III parameters exceeded their respective background limits for beryllium, chloride, and pH. Therefore, for Appendix I parameters, interwell methods are recommended for: beryllium, mercury, and thallium. Intrawell methods are recommended for antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc. For Appendix III parameters, interwell methods are recommended for chloride and pH. Intrawell methods are recommended for boron, calcium, fluoride, sulfate, and TDS.

Mann-Whitney - Intrawell

For constituents requiring intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2018 for Appendix I constituents and through September 2019 for Appendix III constituents to the medians of the new compliance samples at each well through August 2021. Previously truncated data sets discussed above were also compared to the most recent set of measurements through August 2021. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Note that no reports were produced for several well/constituent pairs as there was no variation in the data. Additionally, no Mann-Whitney test was run for barium at downgradient well GWC-13RZ since this

well/constituent pair has been historically evaluated with a trend test in lieu of prediction limits due to due to steadily increasing data since early 2016.

Several statistically significant differences were found between the two groups for the Appendix I and III constituents. Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless updating results in the same or more conservative limits, or it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

Statistically significant increasing medians were found for the following well/constituent pairs:

Appendix I:

- Barium: GWA-2R, GWA-4RZ (both upgradient), GWC-11R, and GWC-49R
- Cobalt: GWA-4RZ (upgradient)
- Zinc: GWC-47 and GWC-47R

Appendix III:

- Sulfate: GWC-14Z

These well/constituent pairs each had their respective records updated with compliance data and are discussed below.

For upgradient well/constituent pairs with significant increases in medians (barium in GWA-2R and GWA-4RZ and cobalt in GWA-4RZ), the increases in concentrations are, reportedly, not related to the facility and, therefore, represent background conditions. For barium in downgradient well GWC-11R and sulfate in downgradient well GWC-14Z, the concentrations are relatively low, and updating does not result in a high limit compared to upgradient wells. For barium in downgradient well GWC-49R, the compliance samples remain within range of concentrations upgradient of the facility and the pattern is very similar to that of upgradient well GWA-4RZ which has higher reported concentrations; therefore, this well/constituent pair was updated. Regarding zinc in downgradient wells GWC-47 and GWC-47R, the most recent concentrations in these wells are, reportedly, due to variation in groundwater quality, are somewhat similar to historical concentrations detected in these wells, are marginally higher than the current reporting limit, and remain

within the range of upgradient concentrations; therefore, these well/constituent pairs were updated.

A large number of well/constituent pairs for Appendix I and Appendix III constituents had statistically significant decreasing medians in more recent data. The significant cases are listed in the summary tables for Appendix I and Appendix III Mann-Whitney results. In most cases with significant results, the differences were relatively small, the most recent measurements were similar to measurements in the early part of the record, or the update resulted in the same or more conservative limits. Therefore, the majority of these records were updated. Except for pH, which has both an upper and lower prediction limit, decreasing differences will generally result in more conservative limits. For parametric limits, however, a decreasing difference can result in higher variance, which tends to increase the limit. For the following cases, earlier portions of the records were truncated to reduce variability among background data, utilize concentrations that appear to have stabilized, and remove elevated historical concentrations:

Appendix I:

- Vanadium: GWC-15Z
- Zinc: GWC-5

Appendix III:

- Calcium: GWC-49Z
- Sulfate: GWC-49Z

Any adjustments are shown in the Date Range Table in addition to adjustments listed for chromium, copper, and nickel from previous analysis.

Upgradient Well Trend Tests – Interwell

The Sen's Slope/Mann Kendall trend test was used to evaluate data at upgradient wells for each of the parameters tested using interwell prediction limits--beryllium, mercury, and thallium (Appendix I), and chloride and pH (Appendix III) to identify statistically significant increasing or decreasing trends in background. The results of the trend analyses showed no statistically significant increasing or decreasing trends for Appendix I constituents. For the Appendix III constituents, no statistically significant increasing trends were identified. The following statistically significant decreasing trends were noted:

- Chloride: GWA-1, GWA-39Z, GWA-41, and GWA-41R
- pH: GWA-2R, GWA-41R, GWA-43, GWA-50, and GWA-50R

Truncation of upgradient well records to remove decreasing trends should be done with caution since the higher concentrations could appear in future years at downgradient wells in the absence of facility impacts. Therefore, no adjustments were made at this time. While no statistically significant trend was identified for pH in upgradient well GWA-3A, it was noted that the more recent reported measurements are higher than those reported historically. Concentrations of pH in this well will continue to be monitored and further studies may be required to determine the cause of the increasing concentrations.

Evaluation of Georgia EPD Appendix I Constituents – February 2023

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, for antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc were constructed using all available data through August 2021, except for the cases mentioned above and listed in the Date Range Table. Compliance data from the February 2023 sample event were compared to these limits (Figure D). No statistical analyses were included for well/constituent pairs with 100% non-detects and a list of those well/constituent pairs follows this letter.

As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. Note that the intrawell prediction limit changed for chromium at GWC-8Z and cobalt at GWC-7Z as a result of the most recent reporting limit replacing historic non-detects. No statistical exceedances resulted from the lower statistical limits for these well/constituent pairs.

For some well/constituent pairs containing <15% non-detects such as chromium at GWC-46R, nickel at GWA-3A, and zinc at wells GWA-3A and GWC-12, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant

increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. Summaries of the Georgia EPD Appendix I prediction limits follow this report. Exceedances were identified for the following well/constituent pairs:

- Antimony: GWA-1 (upgradient), GWA-41R (upgradient), and GWC-49R
- Chromium: GWC-45R
- Copper: GWC-44
- Nickel: GWC-48

Two-Step Approach

When interwell prediction limits were constructed for the apparent intrawell prediction limit exceedances in downgradient wells, no exceedances were identified (Figure E). Values that exceed intrawell background limits are further evaluated using trend tests as discussed below.

Interwell Prediction Limits

For beryllium, mercury, and thallium interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2023. Results and a summary table follow this report (Figure F). Regarding beryllium and mercury, prediction limits were set at the reporting limits of 0.003 mg/L and 0.0005 mg/L.

Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The February 2023 sample from each downgradient well was compared to the background limit to determine whether exceedances over background are present. An exceedance was identified for the following well/constituent pair:

- Mercury: GWC-48

Trend Tests

When an exceedance occurs in a downgradient well, the exceedance is further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level--whether or not the exceedance is confirmed as an SSI--in addition to interwell prediction limits in accordance with the two-step analysis. Upgradient wells are included in the trend analyses

to identify whether similar patterns exist upgradient of the site. As mentioned above, a trend test was included to evaluate concentrations for barium in well GWC-13RZ in lieu of prediction limits. That trend test, along with trend tests for upgradient wells, follows this report (Figure G). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Barium: GWA-4RZ (upgradient) and GWC-13RZ

Decreasing

- Barium: GWA-1, GWA-43, GWA-43R, GWA-50, and GWA-50R (all upgradient)
- Copper: GWA-3A, GWA-50, and GWA-50R (all upgradient)
- Nickel: GWA-3A, GWA-50, and GWA-50R (all upgradient)

Note that for barium in downgradient well GWC-13RZ, although the trend test shows an overall increasing trend over the study period, there is a noted increase during 2016-17. Current concentrations appear to be stable since early 2018.

Evaluation of CCR Appendix III Parameters – February 2023

Intrawell Prediction Limits

For boron, calcium, fluoride, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through August 2021. Results and a summary table follow this report. The February 2023 sample from each downgradient well was compared its respective background limit to determine whether exceedances over background are present (Figure H). Note that the reporting limit for TDS at wells GWA-50R increased from 10 mg/L to 25 mg/L and resulted in slightly lower prediction limits than those established during the background update. No significant changes occurred as a result of the reporting limit increase.

As mentioned above, for some well/constituent pairs containing <15% non-detects such as TDS at GWC-9, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

Exceedances were identified for the following well/constituent pairs:

- Calcium: GWA-3A (upgradient) and GWC-45R
- Sulfate: GWA-2R (upgradient) and GWC-45R
- TDS: GWA-42 (upgradient) and GWC-13

Two-Step Approach

When interwell prediction limits were constructed (Figure I) for the apparent intrawell prediction limit exceedances in downgradient wells, the following exceedance was noted:

- TDS: GWC-13

Note that the concentrations for many downgradient wells at this site are small in absolute terms and are much smaller than those reported in the upgradient wells. Thus, very large increases at those wells would be required to exceed the interwell limits. In cases such as this, additional studies would be required to fully understand the groundwater quality. In addition to the two-step method, observations that exceeded intrawell background limits are further evaluated using trend tests as discussed below. If upward trends are found and persist, a separate geochemical and hydrologic investigation of the exceedances may be required to determine whether facility impacts have occurred.

Interwell Prediction Limits

For chloride and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through February 2023. Results and a summary table follow this report. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent.

During this analysis, a previously flagged value for pH in upgradient well GWA-41R was unflagged as a similar value was observed upgradient of the facility for the February 2023 sample event in upgradient well GWA-3A. Note that high values early in the record for pH at downgradient wells GWC-13RZ and GWC-14Z were flagged; however, flagging these values did not impact statistical limits because the observations were among downgradient wells.

Nonparametric prediction limits were constructed as the background data for chloride and pH did not follow a normal or transformed-normal distributed when tested using the Chi-Squared normality test. The February 2023 sample from each downgradient well was compared to the background limit to determine whether exceedances over background

are present (Figure J). Exceedances were identified for the following downgradient well/constituent pairs:

- pH (lower limit): GWC-9, GWC-44, and GWC-45

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limits were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents. A summary of the trend test results follows this letter (Figure K). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Calcium: GWA-1, GWA-2R, GWA-42, GWA-4RZ (all upgradient), and GWC-45R
- Sulfate: GWC-45R

Decreasing

- Calcium: GWA-43 and GWA-50R (both upgradient)
- pH: GWA-1, GWA-2R, GWA-40, GWA-41R, GWA-43, GWA-50, GWA-50R (all upgradient), GWC-9, GWC-44, and GWC-45
- Sulfate: GWA-1, GWA-39Z, GWA-43R, and GWA-50R (all upgradient)
- TDS: GWA-43 (upgradient)

Chloride Intrawell Prediction Limits

While interwell prediction limits were initially recommended in 2015 to evaluate chloride, more recent evidence provided by Stantec Consultants suggests that intrawell prediction limits are appropriate for this constituent due to variation in groundwater quality unrelated to practices at the landfill. Additionally, more recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R, and concentrations at all wells are less than the established Maximum Contaminant Limit of 250 mg/L. When an intrawell prediction limit was constructed to evaluate chloride at well GWC-48 (Figure L), the following exceedance was identified:

- Chloride: GWC-48

Since more recent concentrations of chloride at this well appear to represent natural variation in groundwater quality, as more data are collected, the background data set

used to establish the intrawell prediction limit will be re-evaluated for updating the limit to use more recent and stable measurements during the next background update.

Resample Reports – March & April 2023

Resamples were collected in March 2023 for the initial prediction limit exceedances of chloride and mercury in well GWC-48, as well as a resample collected in April 2023 for the initial prediction exceedance of TDS in well GWC-13. Note that pH was also sampled for these wells. Time series and box plots were constructed for well/constituent pairs that were resampled, along with data from all upgradient wells for the same constituents (Figures M and N, respectively). When an intrawell prediction limit was constructed through August 2021 to evaluate the resample for TDS at well GWC-13 (Figure O), no exceedance was identified; therefore, no further action is necessary.

When interwell prediction limits were constructed using pooled upgradient well data through February 2023 to evaluate the resamples for chloride and pH, as well as mercury (Figures P and Q), an exceedance was identified for the following well/constituent pair:

- pH (lower limit): GWC-48

Chloride Intrawell Prediction Limits - Resample

Based on the intrawell prediction limit for chloride at well GWC-48 as discussed above, an intrawell prediction limit was constructed to evaluate the March 2023 resample (Figure R), and the following exceedance was identified:

- Chloride: GWC-48

Summary

Georgia EPD Appendix I

Based on the results of the Appendix I prediction limits, the two-step approach, and resample reports, no exceedances were identified.

CCR Appendix III

Based on the results of the Appendix III constituents requiring either intrawell or interwell prediction limits, after testing the apparent intrawell exceedances among downgradient

wells using the two-step approach, and the resample reports, the following exceedances were identified:

Appendix III Intrawell

- None

Appendix III Interwell

- pH (lower limit): GWC-9, GWC-44, GWC-45, and GWC-48


Trend tests were performed for all exceedances and corresponding upgradient wells. Results were presented in the corresponding tables.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Date Ranges

Date: 3/31/2023 2:52 PM

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Calcium, total (mg/L)

GWC-49Z background:7/28/2016-8/5/2021

Chromium (mg/L)

GWC-11R background:4/12/2011-8/11/2021

Copper (mg/L)

GWA-50R background:4/14/2014-8/9/2021

Nickel (mg/L)

GWA-50R background:4/14/2014-8/9/2021

Sulfate, total (mg/L)

GWC-49Z background:9/21/2016-8/5/2021

Vanadium (mg/L)

GWC-15Z background:4/27/2010-8/11/2021

Zinc (mg/L)

GWC-5 background:3/31/2015-8/9/2021

100% Non-Detects: Appendix I

Analysis Run 3/27/2023 1:39 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Antimony (mg/L)
GWA-2, GWC-10

Arsenic (mg/L)
GWA-41, GWA-42, GWA-50, GWA-50R, GWC-45, GWC-48, GWC-49Z

Cadmium (mg/L)
GWA-2, GWA-2R, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-43R, GWA-4RZ, GWA-50R, GWC-11, GWC-13, GWC-13RZ, GWC-15Z, GWC-45, GWC-46R, GWC-49R, GWC-6RZ, GWC-8RR, GWC-9

Chromium (mg/L)
GWA-4RZ

Cobalt (mg/L)
GWA-40, GWA-41, GWA-43R, GWA-50, GWC-10R, GWC-45R, GWC-47, GWC-47R, GWC-49R, GWC-6RZ

Copper (mg/L)
GWC-49R

Lead (mg/L)
GWA-3A, GWC-12, GWC-46R, GWC-49R

Nickel (mg/L)
GWA-40, GWC-6RZ

Selenium (mg/L)
GWA-1, GWA-39RZ, GWA-39Z, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43R, GWA-4RZ, GWA-50, GWA-50R, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-15Z, GWC-45, GWC-45R, GWC-47, GWC-47R, GWC-49R, GWC-49Z, GWC-6, GWC-7Z, GWC-8RR

Silver (mg/L)
GWA-1, GWA-2, GWA-2R, GWA-39Z, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-4RZ, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-13, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, GWC-49Z, GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9

Vanadium (mg/L)
GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-50, GWC-10R, GWC-44, GWC-45R, GWC-46R, GWC-47, GWC-48, GWC-49R, GWC-49Z, GWC-6RZ, GWC-7Z

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.011	n/a	2/16/2023	0.0048	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-39RZ	0.009814	n/a	2/14/2023	0.0019J	No	15	0.00252	0.002352	20	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-39Z	0.003788	n/a	2/13/2023	0.00087J	No	17	0.00115	0.0008886	29.41	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-3A	0.0068	n/a	2/17/2023	0.003ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-40	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-42	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43R	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	2/17/2023	0.003ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-50	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	2/20/2023	0.003ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.012	n/a	2/20/2023	0.003ND	No	39	n/a	n/a	69.23	n/a	n/a	0.001226	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	2/22/2023	0.003ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	50	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-15Z	0.0053	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	2/14/2023	0.003ND	No	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-45R	0.004265	n/a	2/14/2023	0.003ND	No	17	0.001357	0.0009798	47.06	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-46R	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	2/14/2023	0.0022J	No	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-48	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49Z	0.003623	n/a	2/14/2023	0.003ND	No	17	-6.797	0.3965	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.0035	n/a	2/17/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	2/17/2023	0.003ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7Z	0.003	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	2/21/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002867	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8Z	0.003	n/a	2/20/2023	0.003ND	No	21	n/a	n/a	100	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	2/21/2023	0.003ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	100	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3A	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.005571	n/a	2/17/2023	0.005ND	No	17	-6.903	0.5772	23.53	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-10	0.0079	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	42.11	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.012	n/a	2/21/2023	0.0094J	No	37	n/a	n/a	24.32	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13	0.0096	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	2/22/2023	0.0031J	No	36	n/a	n/a	58.33	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7Z	0.004641	n/a	2/20/2023	0.005ND	No	17	0.001929	0.0009137	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0086	n/a	2/21/2023	0.0028J	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04502	n/a	2/16/2023	0.018	No	37	-3.909	0.3174	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.05141	n/a	2/16/2023	0.029	No	36	0.0209	0.01195	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.03451	n/a	2/16/2023	0.028	No	36	0.2237	0.03988	0	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39RZ	0.02768	n/a	2/14/2023	0.014	No	16	0.1268	0.01313	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39Z	0.03941	n/a	2/13/2023	0.018	No	17	0.01411	0.008521	5.882	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-3A	0.009084	n/a	2/17/2023	0.0065	No	28	0.005744	0.001261	3.571	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-40	0.01278	n/a	2/13/2023	0.0075	No	17	0.008742	0.001361	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41	0.03723	n/a	2/13/2023	0.029	No	17	0.02557	0.003928	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41R	0.05668	n/a	2/13/2023	0.028	No	17	0.02492	0.0107	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-42	0.007092	n/a	2/13/2023	0.0061	No	17	0.006289	0.0002707	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43	0.04685	n/a	2/14/2023	0.011	No	17	0.02083	0.008765	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43R	0.009608	n/a	2/13/2023	0.0064	No	17	0.007821	0.0006022	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.05645	n/a	2/17/2023	0.043	No	17	0.03282	0.00796	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50	0.01772	n/a	2/16/2023	0.0067	No	31	0.00959	0.00312	3.226	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02271	n/a	2/16/2023	0.0081	No	29	0.01407	0.00328	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03628	n/a	2/20/2023	0.02	No	35	0.1368	0.02096	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.0369	n/a	2/20/2023	0.024	No	38	0.02421	0.005	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.036	n/a	2/20/2023	0.0071	No	37	n/a	n/a	2.703	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-11R	0.02549	n/a	2/20/2023	0.02	No	38	0.01365	0.004665	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.07	n/a	2/21/2023	0.023	No	34	n/a	n/a	0	n/a	n/a	0.001599	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-13	0.05665	n/a	2/22/2023	0.022	No	36	0.02799	0.01122	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-14Z	0.05513	n/a	2/22/2023	0.014	No	34	0.134	0.03917	5.882	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.0322	n/a	2/22/2023	0.016	No	37	0.02379	0.003303	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15Z	0.02357	n/a	2/22/2023	0.01	No	37	0.01126	0.004835	2.703	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-44	0.09923	n/a	2/14/2023	0.042	No	17	0.04132	0.01951	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	2/14/2023	0.0067	No	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45R	0.02752	n/a	2/14/2023	0.025	No	17	0.02092	0.002221	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-46R	0.02323	n/a	2/14/2023	0.011	No	17	-4.239	0.1605	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47	0.02056	n/a	2/14/2023	0.0075	No	17	0.01184	0.002938	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47R	0.0365	n/a	2/14/2023	0.0072	No	17	-4.549	0.4172	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	2/14/2023	0.04	No	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49R	0.03583	n/a	2/14/2023	0.013	No	17	-4.444	0.3757	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49Z	0.0178	n/a	2/14/2023	0.0041J	No	17	0.1729	0.02972	5.882	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.02799	n/a	2/20/2023	0.012	No	37	0.01756	0.004096	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.02931	n/a	2/17/2023	0.0067	No	35	0.2239	0.03294	2.857	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01787	n/a	2/17/2023	0.0067	No	21	0.0946	0.01394	4.762	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-7Z	0.04219	n/a	2/20/2023	0.015	No	17	0.02581	0.00552	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	2/21/2023	0.011	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-8Z	0.06382	n/a	2/20/2023	0.024	No	21	-3.57	0.2917	0	None	ln(x)	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.05337	n/a	2/21/2023	0.042	No	34	0.03874	0.005686	0	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-1	0.00076	n/a	2/16/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39RZ	0.0005	n/a	2/14/2023	0.0005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39Z	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-42	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-43	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-50	0.0005	n/a	2/16/2023	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00056	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.0004J	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14Z	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-44	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-45R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-48	0.0005469	n/a	2/14/2023	0.00015J	No	17	-8.602	0.3675	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWC-49Z	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-6	0.0005	n/a	2/17/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7Z	0.0005	n/a	2/20/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8Z	0.0005	n/a	2/20/2023	0.0005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.012	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	74.29	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.009	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	65.71	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3A	0.012	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41	0.015	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.0016J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.034	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	2/20/2023	0.005ND	No	36	n/a	n/a	77.78	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01362	n/a	2/20/2023	0.0015J	No	37	0.005363	0.003241	29.73	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-11R	0.02445	n/a	2/20/2023	0.0037J	No	27	0.199	0.03424	3.704	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.03	n/a	2/21/2023	0.005ND	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.035	n/a	2/22/2023	0.0038J	No	38	n/a	n/a	0	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.0024J	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14Z	0.01565	n/a	2/22/2023	0.005ND	No	36	0.05769	0.0264	30.56	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	59.46	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15Z	0.027	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0015J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-46R	0.008155	n/a	2/14/2023	0.005J	No	18	0.003333	0.00165	16.67	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47	0.007262	n/a	2/14/2023	0.0018J	No	17	-6.245	0.4447	11.76	None	ln(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47R	0.018	n/a	2/14/2023	0.0027J	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-48	0.01	n/a	2/14/2023	0.0019J	No	17	n/a	n/a	29.41	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-49Z	0.00778	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.032	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	55.26	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.027	n/a	2/17/2023	0.0031J	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	2/17/2023	0.0022J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.0053	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-9	0.018	n/a	2/21/2023	0.005ND	No	36	n/a	n/a	80.56	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.00065J	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39Z	0.0104	n/a	2/13/2023	0.005ND	No	17	0.04156	0.02036	29.41	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-3A	0.0057	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	40.54	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.00039J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.03012	n/a	2/17/2023	0.017	No	17	0.01064	0.006563	5.882	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.013	n/a	2/20/2023	0.0026J	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.016	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0029J	No	37	n/a	n/a	8.108	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-13	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.0079	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15Z	0.005	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0014J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.0012J	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.0025J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-49Z	0.008028	n/a	2/14/2023	0.00096J	No	17	0.003094	0.001662	11.76	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWC-5	0.0073	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.0067	n/a	2/21/2023	0.00043J	No	37	n/a	n/a	72.97	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.0094	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	2/16/2023	0.0011J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39RZ	0.011	n/a	2/14/2023	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3A	0.06311	n/a	2/17/2023	0.0025ND	No	32	0.03315	0.01155	6.25	None	No	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.0012J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50	0.02262	n/a	2/16/2023	0.0015J	No	27	0.07647	0.02773	14.81	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-50R	0.02138	n/a	2/16/2023	0.0028J	No	16	-5.507	0.5512	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.006	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-10R	0.007	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.013	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.019	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.0067	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.005	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.013	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14Z	0.0056	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.02	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15Z	0.021	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45	0.012	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.0016J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-49Z	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.07478	n/a	2/20/2023	0.023	No	32	0.1527	0.04654	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-6	0.0069	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	66.67	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0028	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.002536	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.001	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39RZ	0.0011	n/a	2/14/2023	0.001ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39Z	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-40	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41R	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-42	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43R	0.0038	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.001	n/a	2/17/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50	0.001	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0012	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0011	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-44	0.001018	n/a	2/14/2023	0.001ND	No	17	0.0004531	0.0001903	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Lead (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-48	0.002529	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-9	0.0012	n/a	2/21/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	2/16/2023	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.0093	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39Z	0.01656	n/a	2/13/2023	0.00095J	No	15	0.1494	0.03401	33.33	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-3A	0.05189	n/a	2/17/2023	0.005ND	No	29	0.02228	0.01125	6.897	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-41	0.0089	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.0013J	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.00082J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-50R	0.006681	n/a	2/16/2023	0.00081J	No	16	0.0445	0.01236	6.25	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-10	0.032	n/a	2/20/2023	0.0019J	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-10R	0.006	n/a	2/20/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0087	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	93.94	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.029	n/a	2/21/2023	0.0022J	No	33	n/a	n/a	39.39	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-13	0.015	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	31	n/a	n/a	80.65	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0096	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	59.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15Z	0.019	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.00073J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.00092J	No	16	n/a	n/a	6.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.004J	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-49Z	0.007304	n/a	2/14/2023	0.0018J	No	16	0.003263	0.001341	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.06412	n/a	2/20/2023	0.0087	No	33	0.14	0.04382	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.022	n/a	2/17/2023	0.005ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	36.36	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.014	n/a	2/21/2023	0.001J	No	31	n/a	n/a	35.48	n/a	n/a	0.001905	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.0014J	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.0074	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-44	0.007965	n/a	2/14/2023	0.005ND	No	17	0.003736	0.001425	41.18	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Selenium (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-5	0.0072	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8Z	0.0089	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	2/21/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004422	n/a	2/16/2023	0.0011J	No	27	0.002051	0.0008896	29.63	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Silver (mg/L)	GWC-12	0.005	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	2/16/2023	0.01ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	2/14/2023	0.01ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3A	0.01	n/a	2/17/2023	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43R	0.01	n/a	2/13/2023	0.01ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	2/17/2023	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	2/16/2023	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	2/20/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0034J	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.01	n/a	2/22/2023	0.0019J	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	2/22/2023	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14Z	0.012	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15Z	0.012	n/a	2/22/2023	0.01ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-45	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-47R	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-6	0.01	n/a	2/17/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8Z	0.01	n/a	2/20/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.003J	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.02	n/a	2/16/2023	0.02ND	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	2/16/2023	0.02ND	No	31	n/a	n/a	51.61	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2R	0.02	n/a	2/16/2023	0.02ND	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-39RZ	0.02	n/a	2/14/2023	0.02ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-39Z	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3A	0.1542	n/a	2/17/2023	0.02ND	No	32	0.2389	0.05929	9.375	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-40	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-42	0.01923	n/a	2/13/2023	0.011J	No	16	0.1016	0.0123	31.25	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-43	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-43R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.02	n/a	2/17/2023	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50	0.02	n/a	2/16/2023	0.02ND	No	26	n/a	n/a	34.62	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-50R	0.02	n/a	2/16/2023	0.02ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.05529	n/a	2/20/2023	0.02ND	No	33	0.1855	0.07566	36.36	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	45.45	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.1057	n/a	2/21/2023	0.01ND	No	33	-4.54	0.8876	12.12	None	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13	0.02243	n/a	2/22/2023	0.02ND	No	29	0.00862	0.005244	31.03	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-13RZ	0.02	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-14Z	0.02	n/a	2/22/2023	0.02ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.01505	n/a	2/22/2023	0.02ND	No	31	-5.351	0.4432	22.58	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-15Z	0.025	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	48.28	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-44	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	31.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45R	0.01378	n/a	2/14/2023	0.02ND	No	16	-5.474	0.3946	31.25	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-46R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-47	0.06114	n/a	2/14/2023	0.05	No	17	0.02981	0.01056	11.76	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-47R	0.04226	n/a	2/14/2023	0.031	No	16	0.01744	0.008235	12.5	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-48	0.02	n/a	2/14/2023	0.011J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-49R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-49Z	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-5	0.07406	n/a	2/20/2023	0.032	No	14	0.03902	0.01099	7.143	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-6	0.021	n/a	2/17/2023	0.02ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-6RZ	0.02	n/a	2/17/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7Z	0.02	n/a	2/20/2023	0.02ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	2/21/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8Z	0.02	n/a	2/20/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.02176	n/a	2/21/2023	0.02ND	No	29	0.07971	0.02575	24.14	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2

Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-49R	0.016	n/a	2/14/2023	0.0037	No	409	n/a	n/a	70.17	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.015	n/a	2/14/2023	0.0058	No	400	n/a	n/a	79	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.051	n/a	2/14/2023	0.0054	No	362	n/a	n/a	58.01	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.053	n/a	2/14/2023	0.0058	No	356	n/a	n/a	54.78	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	2/14/2023	0.00064	Yes	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-44	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-46R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-48	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	2	223	No	40	40	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	40	223	No	40	42.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39RZ (bg)	-0.00006104	-16	-68	No	18	22.22	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39Z (bg)	0	12	81	No	20	35	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3A (bg)	0	-60	-223	No	40	67.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	-5	-81	No	20	90	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	-11	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41R (bg)	0	-10	-81	No	20	55	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43R (bg)	0	-11	-81	No	20	70	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	50	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	0	-46	-184	No	35	88.57	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-24	-184	No	35	97.14	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-49R	0	10	81	No	20	55	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004924	103	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.000543	191	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39RZ (bg)	-0.0003453	-19	-74	No	19	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39Z (bg)	-0.0001633	-6	-81	No	20	5	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3A (bg)	-0.0001784	-133	-152	No	31	3.226	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-40 (bg)	-0.0003677	-79	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001065	-73	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.0004941	19	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-42 (bg)	0	8	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001021	79	81	No	20	0	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-1 (bg)	0	-77	-206	No	38	76.32	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2 (bg)	0	-74	-206	No	38	68.42	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2R (bg)	0	-59	-223	No	40	85	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39RZ (bg)	0	2	74	No	19	47.37	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39Z (bg)	0	-10	-74	No	19	94.74	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-3A (bg)	0	-79	-191	No	36	80.56	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-40 (bg)	0	-10	-81	No	20	80	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41 (bg)	0	-3	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41R (bg)	0	-2	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-42 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43 (bg)	0	-17	-81	No	20	75	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43R (bg)	0	3	81	No	20	45	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-4RZ (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50 (bg)	0	35	184	No	35	88.57	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50R (bg)	0	150	184	No	35	71.43	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-45R	0	6	81	No	20	80	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-1 (bg)	0	-159	-191	No	36	66.67	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2 (bg)	0	-97	-191	No	36	72.22	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2R (bg)	0	-140	-191	No	36	61.11	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39RZ (bg)	0	3	48	No	14	85.71	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39Z (bg)	0	14	74	No	19	84.21	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Copper (mg/L)	GWA-40 (bg)	0	-4	-74	No	19	94.74	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41 (bg)	0	8	74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41R (bg)	0	-25	-74	No	19	52.63	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-42 (bg)	0	5	74	No	19	89.47	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43 (bg)	0	-20	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43R (bg)	0	-10	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-4RZ (bg)	0	13	43	No	13	76.92	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Copper (mg/L)	GWC-44	0	-4	-74	No	19	63.16	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-1.648	-2.58	No	41	97.56	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-0.3025	-2.58	No	41	95.12	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2R (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39RZ (bg)	0	-2	-74	No	19	94.74	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39Z (bg)	0	-13	-81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3A (bg)	0	-39	-223	No	40	97.5	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-40 (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41 (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41R (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-42 (bg)	0	-30	-81	No	20	85	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43R (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50 (bg)	0	8	184	No	35	97.14	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50R (bg)	0	0	184	No	35	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-48	0	-41	-87	No	21	61.9	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	0	-173	-184	No	35	74.29	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	0	-47	-176	No	34	70.59	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2R (bg)	0	-77	-184	No	35	80	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39RZ (bg)	0	-10	-53	No	15	66.67	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39Z (bg)	-0.00006863	-24	-68	No	18	38.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	74	No	19	100	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41 (bg)	0	25	74	No	19	63.16	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41R (bg)	0	-18	-74	No	19	57.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-42 (bg)	-0.00005021	-51	-74	No	19	10.53	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43 (bg)	0.000006697	34	74	No	19	42.11	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43R (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4RZ (bg)	0	3	43	No	13	84.62	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002105	66	74	No	19	5.263	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-1	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2R	0.04	n/a	2/16/2023	0.017J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-39RZ	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-39Z	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-3A	0.04	n/a	2/17/2023	0.04ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-40	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41R	0.04	n/a	2/13/2023	0.017J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-42	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43R	0.04212	n/a	2/13/2023	0.04ND	No	17	0.02003	0.008233	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-4RZ	0.03839	n/a	2/17/2023	0.04ND	No	17	-4.603	0.5005	5.882	None	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-50	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-50R	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.03966	n/a	2/22/2023	0.04ND	No	17	0.01835	0.00794	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-13RZ	0.02742	n/a	2/22/2023	0.013J	No	17	-4.386	0.2941	17.65	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-14Z	0.04	n/a	2/22/2023	0.04ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15R	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15Z	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-44	0.03258	n/a	2/14/2023	0.014J	No	17	-4.509	0.4043	41.18	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-45	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-45R	0.04	n/a	2/14/2023	0.012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-46R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-48	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49Z	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6RZ	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8RR	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium, total (mg/L)	GWA-1	36.35	n/a	2/16/2023	33.3	No	17	30.64	2.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2	82.96	n/a	2/16/2023	60.5	No	17	26.51	21.04	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2R	61.92	n/a	2/16/2023	51.6	No	17	26.68	13.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39RZ	39.13	n/a	2/14/2023	31.4	No	17	34952	9306	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39Z	34.91	n/a	2/13/2023	12.8	No	18	12.62	8.42	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-40	31.1	n/a	2/13/2023	18.4	No	17	21.34	3.637	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41	42.06	n/a	2/13/2023	26.9	No	17	18.81	8.667	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41R	48.24	n/a	2/13/2023	38.6	No	17	33.1	5.641	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-42	38.83	n/a	2/13/2023	35.7	No	17	31.39	2.773	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43	19.26	n/a	2/14/2023	2.2	No	17	6.843	4.628	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	2/13/2023	28.5	No	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-4RZ	59.92	n/a	2/17/2023	59.4	No	17	49.56	3.858	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-50	4.551	n/a	2/16/2023	1.4	No	17	1.458	0.2518	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-50R	13.06	n/a	2/16/2023	0.81J	No	17	4.392	3.23	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	50.26	n/a	2/20/2023	9	No	17	29.44	7.761	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10R	48.89	n/a	2/20/2023	46.2	No	17	40.76	3.028	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	30.52	n/a	2/20/2023	7.4	No	17	16.75	5.131	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11R	38.59	n/a	2/20/2023	32.5	No	17	26.59	4.472	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	9.546	n/a	2/21/2023	7.9	No	17	8.05	0.5575	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	75.84	n/a	2/22/2023	26.3	No	17	45.15	11.44	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13RZ	59.04	n/a	2/22/2023	40.1	No	17	1947	573.4	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14Z	43.05	n/a	2/22/2023	14.3	No	17	20.97	8.227	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15R	45.82	n/a	2/22/2023	38.1	No	16	35.98	3.621	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15Z	30.37	n/a	2/22/2023	24.4	No	17	13334	5471	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-44	21.15	n/a	2/14/2023	12.5	No	17	7.058	5.251	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45	1.009	n/a	2/14/2023	1	No	17	0.8318	0.06622	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-46R	55.43	n/a	2/14/2023	41.1	No	17	44.66	4.014	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47	30.37	n/a	2/14/2023	20.5	No	17	23.26	2.649	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47R	38.9	n/a	2/14/2023	31.6	No	17	30.52	3.123	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-48	11.53	n/a	2/14/2023	3	No	17	1.798	0.5951	5.882	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49R	31.57	n/a	2/14/2023	24.3	No	17	25.36	2.314	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49Z	2.525	n/a	2/14/2023	0.65J	No	15	1.138	0.4971	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	12.1	n/a	2/20/2023	3.5	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	16.64	n/a	2/17/2023	15.2	No	16	14	0.9716	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6RZ	15.25	n/a	2/17/2023	9.7	No	16	10.86	1.616	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7Z	28.3	n/a	2/20/2023	26.1	No	17	23.72	1.707	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8RR	25.36	n/a	2/21/2023	18	No	17	22.19	1.179	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8Z	27.37	n/a	2/20/2023	18.5	No	16	412.2	123.9	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	41.78	n/a	2/21/2023	2.3	No	17	2.708	1.4	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-1	0.1269	n/a	2/16/2023	0.07J	No	17	0.05491	0.02684	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-2	0.17	n/a	2/16/2023	0.061J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-2R	0.1	n/a	2/16/2023	0.079J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-39RZ	0.2585	n/a	2/14/2023	0.074J	No	17	0.2579	0.09337	29.41	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-39Z	0.1189	n/a	2/13/2023	0.064J	No	17	0.05128	0.0252	41.18	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-3A	0.1	n/a	2/17/2023	0.055J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-40	0.11	n/a	2/13/2023	0.054J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41	0.1	n/a	2/13/2023	0.05J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41R	0.12	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-42	0.1	n/a	2/13/2023	0.056J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43	0.1	n/a	2/14/2023	0.052J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43R	0.1	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-4RZ	0.3209	n/a	2/17/2023	0.11	No	17	0.1707	0.05596	5.882	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-50	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-50R	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	2/21/2023	0.054J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.24	n/a	2/22/2023	0.06J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13RZ	0.2957	n/a	2/22/2023	0.15	No	17	0.144	0.05653	11.76	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-14Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15R	0.1	n/a	2/22/2023	0.05J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-44	0.1998	n/a	2/14/2023	0.075J	No	18	0.0679	0.04985	27.78	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-45	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-45R	0.14	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-46R	0.1	n/a	2/14/2023	0.091J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-47	0.13	n/a	2/14/2023	0.064J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWC-47R	0.13	n/a	2/14/2023	0.081J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-48	0.1	n/a	2/14/2023	0.058J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49R	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49Z	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-5	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.1	n/a	2/17/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6RZ	0.1	n/a	2/17/2023	0.052J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7Z	0.22	n/a	2/20/2023	0.057J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8RR	0.1	n/a	2/21/2023	0.057J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8Z	0.1	n/a	2/20/2023	0.061J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-9	0.1	n/a	2/21/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-1	2.711	n/a	2/16/2023	1.1	No	17	1.552	0.4319	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2	179.3	n/a	2/16/2023	115	No	17	54.87	46.38	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-39RZ	29.35	n/a	2/14/2023	6.3	No	17	10.86	6.891	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-39Z	9.901	n/a	2/13/2023	1.7	No	17	3.753	2.291	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-3A	5.4	n/a	2/17/2023	2.5	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-40	7.784	n/a	2/13/2023	1.4	No	18	0.4574	0.6025	5.556	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41	19.9	n/a	2/13/2023	6	No	17	0.9897	0.7457	0	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41R	13.45	n/a	2/13/2023	10.2	No	17	5.663	2.903	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-42	2.63	n/a	2/13/2023	1.6	No	17	1.587	0.3887	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43	1.928	n/a	2/14/2023	1ND	No	17	0.7687	0.432	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43R	10.68	n/a	2/13/2023	2.5	No	17	5.664	1.871	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-4RZ	28.58	n/a	2/17/2023	21.2	No	18	21.14	2.813	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50	1.031	n/a	2/16/2023	1ND	No	17	0.6803	0.1308	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50R	1.69	n/a	2/16/2023	0.58J	No	17	0.9694	0.2687	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10	2.213	n/a	2/20/2023	1.5	No	17	1.356	0.3195	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10R	2.272	n/a	2/20/2023	1.5	No	17	1.406	0.3226	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11	3.941	n/a	2/20/2023	1.7	No	17	2.457	0.553	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11R	4.739	n/a	2/20/2023	1.8	No	17	2.51	0.8307	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-12	1	n/a	2/21/2023	1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-13	196.5	n/a	2/22/2023	8.7	No	17	69.62	47.29	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-13RZ	107.1	n/a	2/22/2023	59.7	No	17	56.66	18.8	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-14Z	11.83	n/a	2/22/2023	10.7	No	16	4.35	2.75	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15R	13.96	n/a	2/22/2023	7.5	No	17	9.185	1.78	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15Z	15.09	n/a	2/22/2023	0.81J	No	17	1.728	0.8034	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-44	62.46	n/a	2/14/2023	33.8	No	17	21.93	15.1	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45	1.552	n/a	2/14/2023	1ND	No	17	0.8033	0.2791	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-46R	9.434	n/a	2/14/2023	4.7	No	17	6.619	1.049	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47	5.577	n/a	2/14/2023	4.3	No	17	4.314	0.471	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47R	15.96	n/a	2/14/2023	12.7	No	17	9.402	2.446	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-48	20.2	n/a	2/14/2023	3	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-49R	6.244	n/a	2/14/2023	1.8	No	18	1.819	0.2569	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-49Z	3.084	n/a	2/14/2023	0.84J	No	14	1.807	0.4463	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-5	2.174	n/a	2/20/2023	1.4	No	17	1.416	0.2824	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6	3.803	n/a	2/17/2023	2	No	17	2.289	0.564	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6RZ	3.425	n/a	2/17/2023	1.8	No	17	1.962	0.5452	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-7Z	2.37	n/a	2/20/2023	1.7	No	17	0.9735	0.5205	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8RR	2.1	n/a	2/21/2023	1.7	No	17	1.018	0.4031	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8Z	4.465	n/a	2/20/2023	1.1	No	17	1.967	0.931	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-9	4.753	n/a	2/21/2023	3	No	17	2.308	0.9112	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-1	190.4	n/a	2/16/2023	152J	No	17	153.2	13.85	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-2	398.6	n/a	2/16/2023	267J	No	17	138.3	97.02	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-2R	237.6	n/a	2/16/2023	197J	No	17	120.5	43.64	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ	258.4	n/a	2/14/2023	149J	No	17	165.8	34.53	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z	169.9	n/a	2/13/2023	105J	No	16	69.56	36.89	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-3A	121	n/a	2/17/2023	117J	No	16	3.37	0.5244	31.25	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-40	169.9	n/a	2/13/2023	259J	No	17	103.5	24.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41	203.5	n/a	2/13/2023	111J	No	17	85.94	43.82	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41R	269.7	n/a	2/13/2023	163J	No	17	159.5	41.05	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43	90.96	n/a	2/14/2023	60.9	No	17	37.29	20	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43R	191.5	n/a	2/13/2023	126	No	17	139.8	19.27	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ	425.2	n/a	2/17/2023	252J	No	17	15.84	1.782	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50	46.57	n/a	2/16/2023	25ND	No	17	21.74	9.254	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50R	96.25	n/a	2/16/2023	25ND	No	17	33.65	23.33	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10	208.4	n/a	2/20/2023	47	No	17	125.3	30.95	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10R	244.5	n/a	2/20/2023	154	No	17	147	36.34	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11	151.3	n/a	2/20/2023	98	No	17	91.59	22.25	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11R	176.7	n/a	2/20/2023	149	No	17	130.5	17.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-12	104	n/a	2/21/2023	42	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13RZ	363	n/a	2/22/2023	254	No	17	66958	24165	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-14Z	286.7	n/a	2/22/2023	65	No	17	10.28	2.48	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15R	238.8	n/a	2/22/2023	174	No	17	167.6	26.5	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15Z	223.8	n/a	2/22/2023	111	No	17	117.9	39.46	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-44	201.1	n/a	2/14/2023	70.9	No	18	6.914	2.746	16.67	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45	60	n/a	2/14/2023	33.9	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45R	251.4	n/a	2/14/2023	206	No	17	165.1	32.17	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-46R	298.8	n/a	2/14/2023	199	No	17	233.9	24.2	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47	176.7	n/a	2/14/2023	111J	No	17	125.5	19.06	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47R	200.3	n/a	2/14/2023	151	No	17	21576	6910	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-48	98.66	n/a	2/14/2023	30.9	No	17	5.376	1.698	23.53	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49R	191	n/a	2/14/2023	114	No	17	124.8	24.67	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49Z	64.75	n/a	2/14/2023	25ND	No	17	31.83	12.27	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-5	123.8	n/a	2/20/2023	53	No	17	5.754	2.001	17.65	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6	164.9	n/a	2/17/2023	75J	No	17	8.794	1.509	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6RZ	164.6	n/a	2/17/2023	50J	No	17	69.88	35.29	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-7Z	172	n/a	2/20/2023	122	No	17	121	19	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8RR	133.8	n/a	2/21/2023	77	No	17	107.8	9.712	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8Z	186	n/a	2/20/2023	86	No	17	111.5	27.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-9	175.8	n/a	2/21/2023	12.5ND	No	17	57.85	43.95	5.882	None	No	0.0002894	Param Intra 1 of 2

Appendix III Interwell Prediction Limits -Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits -Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-45R	66.6	n/a	2/14/2023	47.5	No	301	n/a	n/a	0	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	147	n/a	2/14/2023	10.1	No	301	n/a	n/a	7.309	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	6.3	n/a	2/20/2023	1.9	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	6.3	n/a	2/20/2023	2.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	6.3	n/a	2/20/2023	1.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	6.3	n/a	2/21/2023	0.99J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	6.3	n/a	2/22/2023	3.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	6.3	n/a	2/22/2023	5.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	6.3	n/a	2/22/2023	4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	6.3	n/a	2/22/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	6.3	n/a	2/22/2023	0.83J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	6.3	n/a	2/14/2023	5.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	6.3	n/a	2/14/2023	0.81J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	6.3	n/a	2/14/2023	5.3	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	6.3	n/a	2/14/2023	3.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	6.3	n/a	2/14/2023	2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	6.3	n/a	2/14/2023	2.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	6.3	n/a	2/14/2023	6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	6.3	n/a	2/20/2023	0.88J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	6.3	n/a	2/17/2023	1.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	6.3	n/a	2/17/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	6.3	n/a	2/20/2023	0.94J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	6.3	n/a	2/21/2023	0.97J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	6.3	n/a	2/21/2023	2.1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	4.73	2/20/2023	5.39	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	4.73	2/20/2023	7.08	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	4.73	2/20/2023	5.52	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	4.73	2/20/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	4.73	2/21/2023	6.18	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	2/22/2023	6.96	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	4.73	2/22/2023	7.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	4.73	2/22/2023	5.97	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	4.73	2/22/2023	7.32	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	4.73	2/22/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	4.73	2/14/2023	6.71	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	4.73	2/14/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	4.73	2/14/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	4.73	2/14/2023	7.38	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	2/14/2023	4.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	4.73	2/14/2023	7.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	4.73	2/14/2023	5.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	4.73	2/20/2023	5.78	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	4.73	2/17/2023	7.11	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	4.73	2/17/2023	6.41	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	4.73	2/20/2023	7.4	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	4.73	2/21/2023	7.88	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	4.73	2/20/2023	6.87	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2 (bg)	3.025	34	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39RZ (bg)	0.009273	3	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39Z (bg)	0.1302	6	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-3A (bg)	0.1539	22	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-40 (bg)	-0.2282	-27	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41 (bg)	0.4269	22	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41R (bg)	0.07606	5	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43R (bg)	0.5773	83	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50 (bg)	-0.1015	-76	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2 (bg)	-0.01046	-15	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39RZ (bg)	-0.03559	-68	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39Z (bg)	-0.04078	-28	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-3A (bg)	-0.01772	-7	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41 (bg)	-0.04957	-47	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-42 (bg)	-0.03284	-68	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43R (bg)	-0.007213	-29	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-4RZ (bg)	-0.03583	-82	-118	No	26	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2 (bg)	3.418	24	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2R (bg)	0.477	49	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39RZ (bg)	-0.9006	-42	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-3A (bg)	0.05533	10	74	No	19	10.53	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-40 (bg)	0.01668	13	87	No	21	4.762	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41 (bg)	0.04258	20	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41R (bg)	0.5682	62	81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-42 (bg)	-0.03222	-18	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43 (bg)	-0.01969	-36	-81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-4RZ (bg)	0.1435	21	87	No	21	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50 (bg)	0.03359	52	81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-1 (bg)	1.275	24	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2 (bg)	6.246	8	81	No	20	5	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2R (bg)	5.089	42	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ (bg)	-7.475	-59	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z (bg)	0.5237	7	74	No	19	0	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-3A (bg)	9.481	67	74	No	19	26.32	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-40 (bg)	0.9167	10	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41 (bg)	2.151	19	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41R (bg)	1.424	20	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-42 (bg)	0.8627	11	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43R (bg)	-1.172	-12	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ (bg)	-4.716	-29	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50 (bg)	-0.9754	-37	-81	No	20	35	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50R (bg)	-3.458	-62	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWC-13	-22.1	-65	-81	No	20	0	n/a	n/a	0.01	NP

Intrawell Prediction Limits - Chloride GWC-48 - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	2/14/2023	6	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - 4/2023 Resample - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	4/11/2023	120	No	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Appendix I Interwell Prediction Limits - 3/2023 Resample - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	3/16/2023	0.00045	No	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride, Total (mg/L)	GWC-48	6.3	n/a	3/16/2023	5.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	4/11/2023	6.69	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

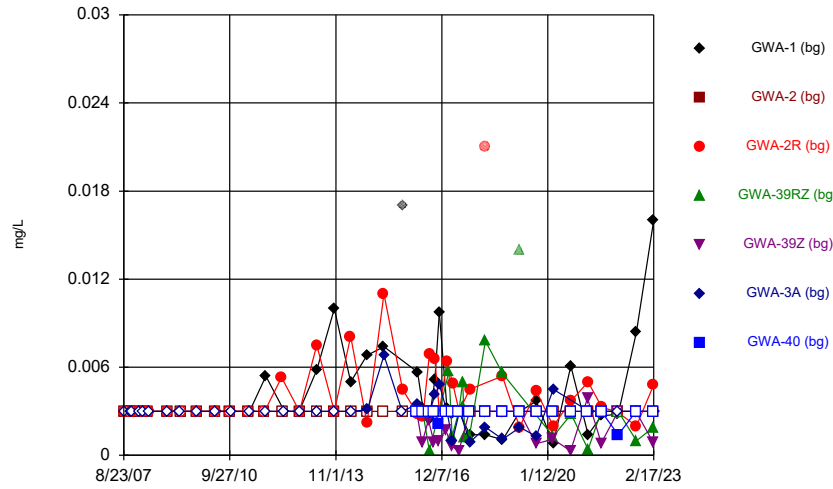
Intrawell Prediction Limits - Chloride GWC-48 Resample - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	3/16/2023	5.4	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

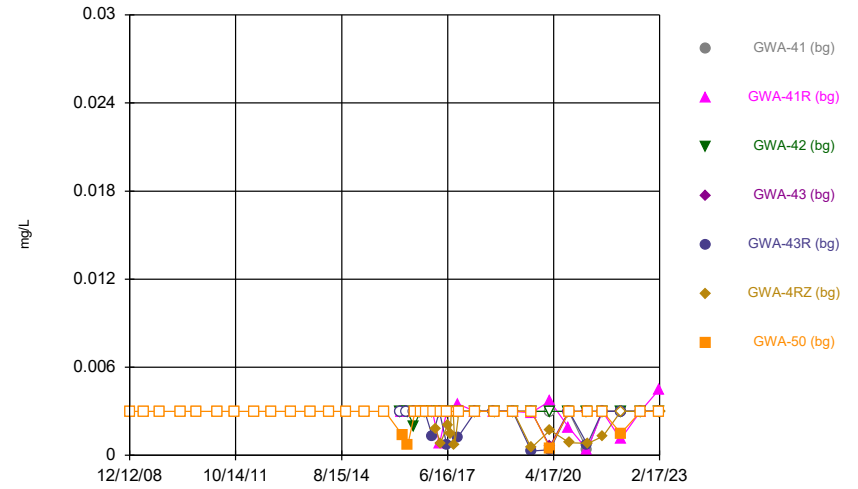
FIGURE A.

Time Series



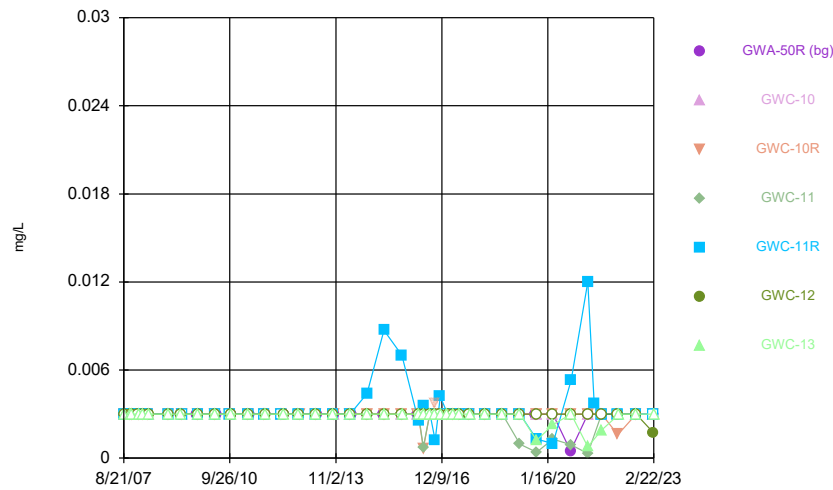
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



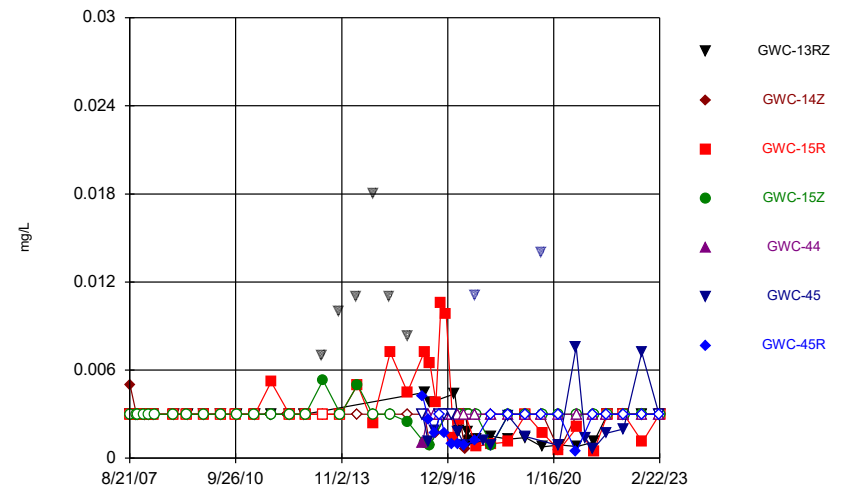
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



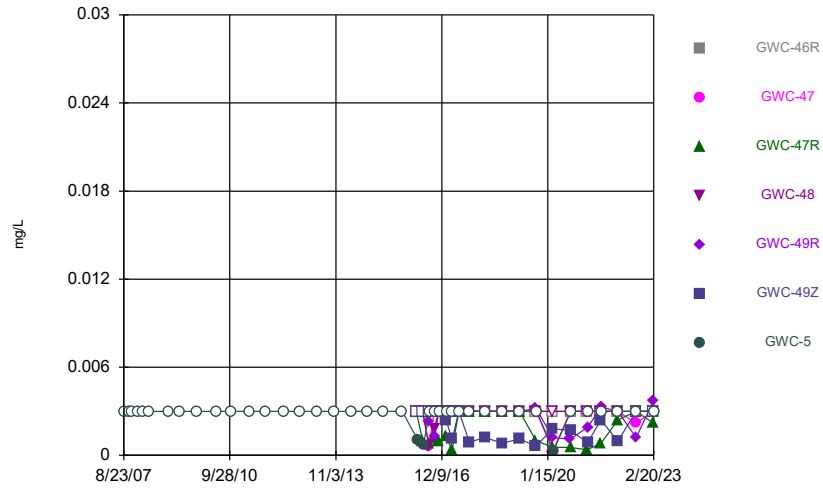
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



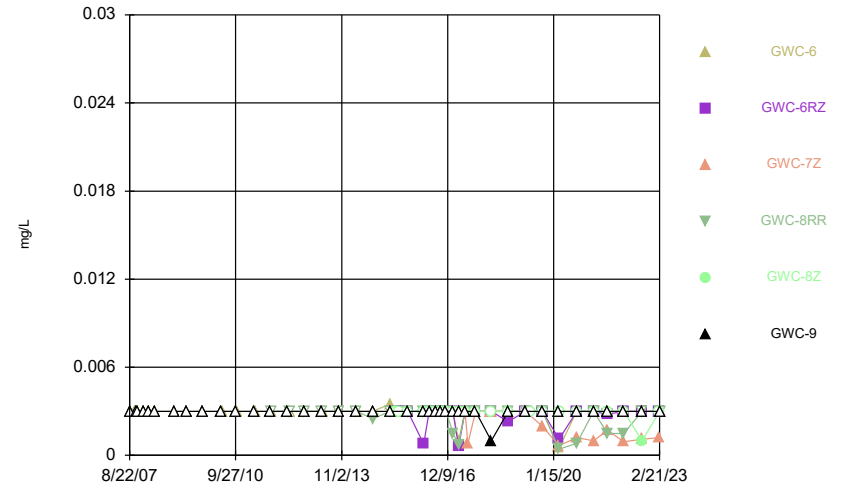
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



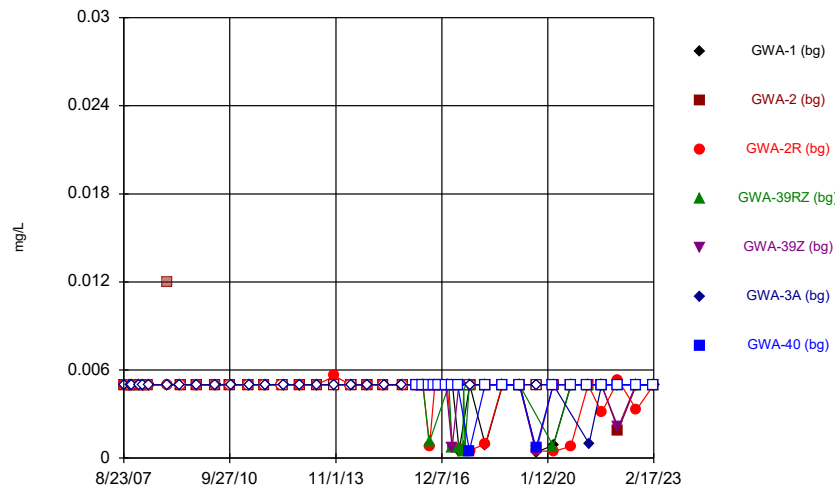
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



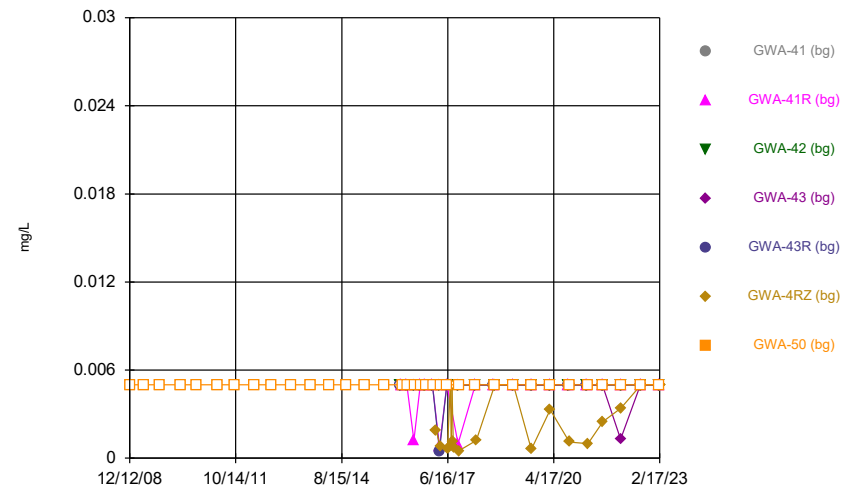
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



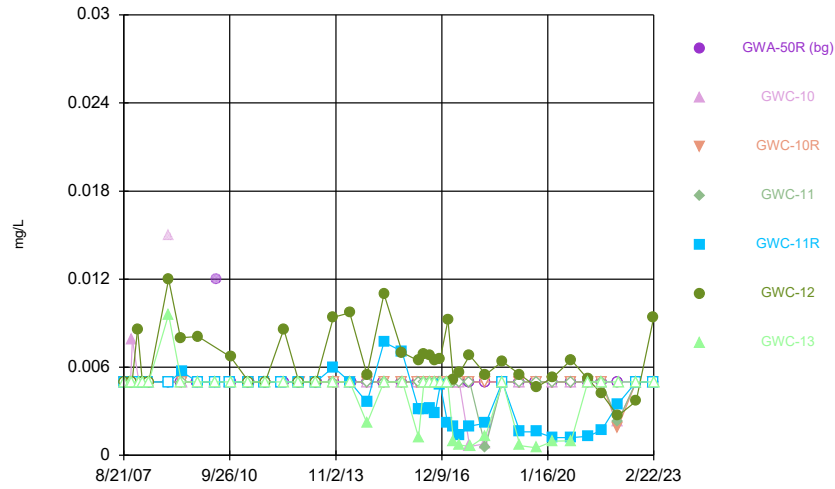
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Time Series



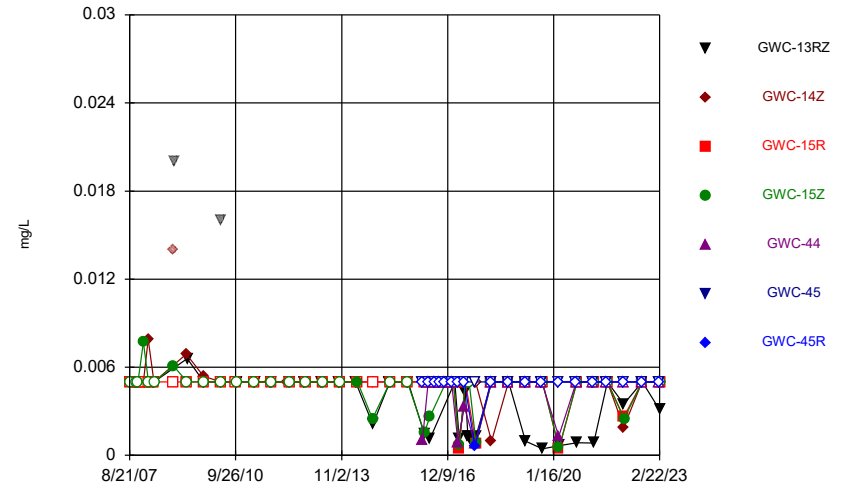
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Time Series



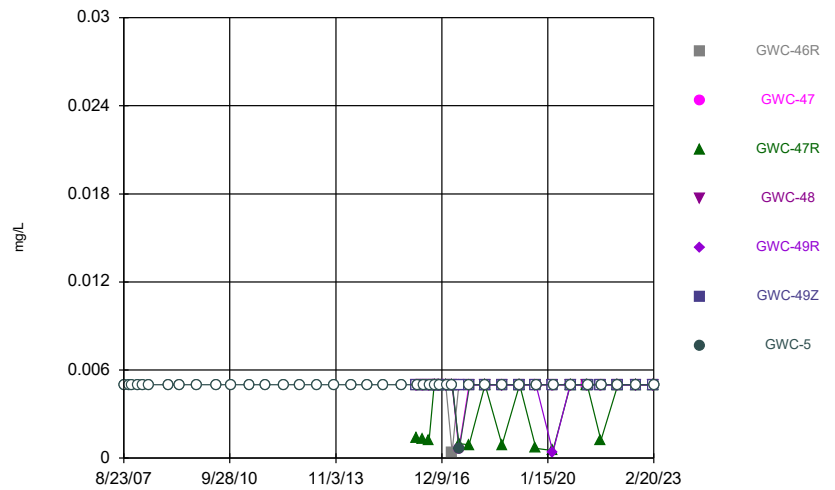
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Time Series



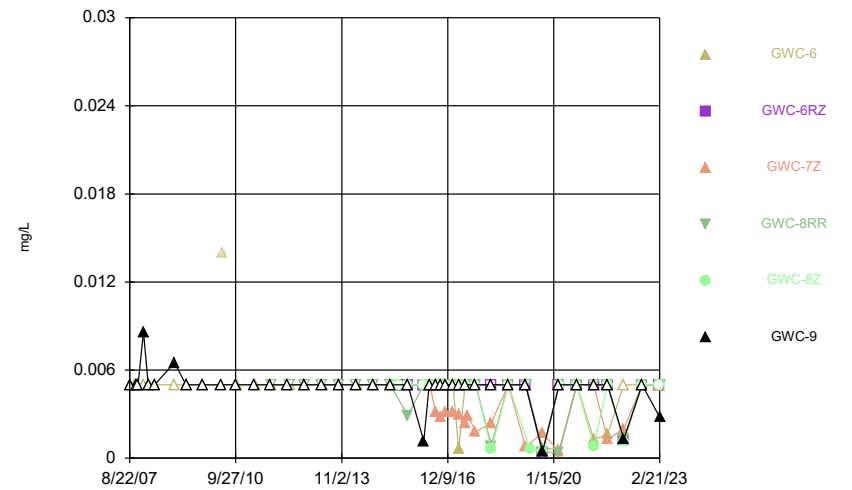
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Time Series



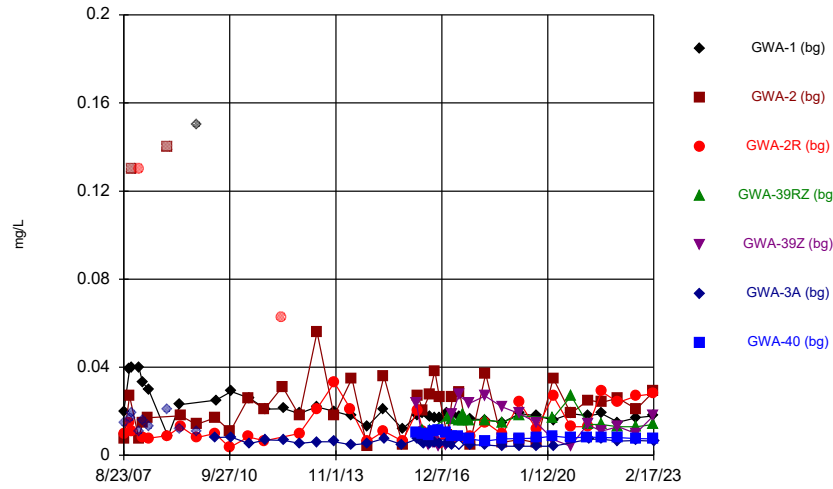
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Time Series



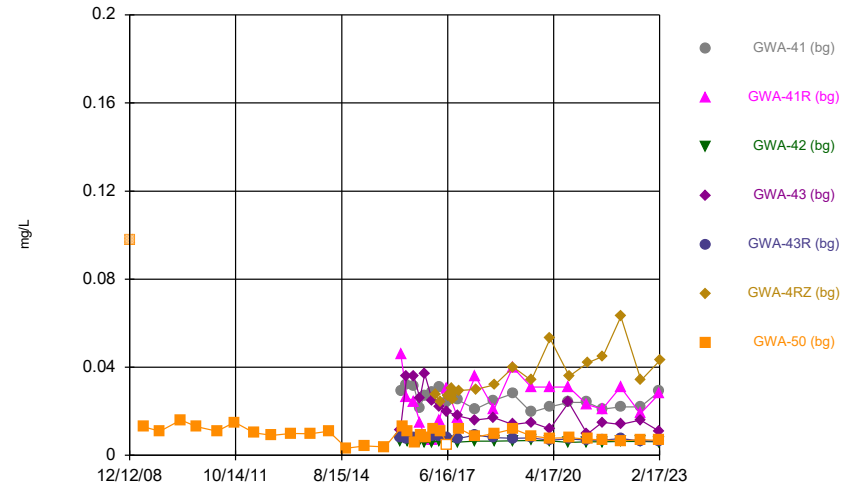
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Time Series



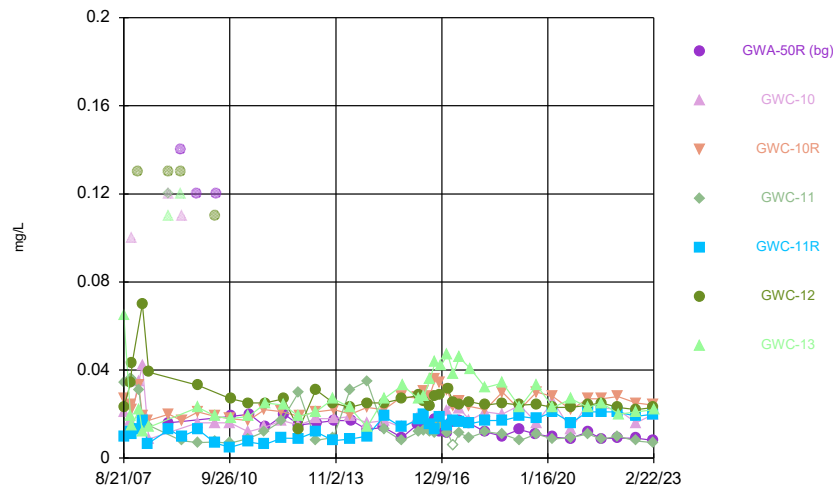
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Time Series



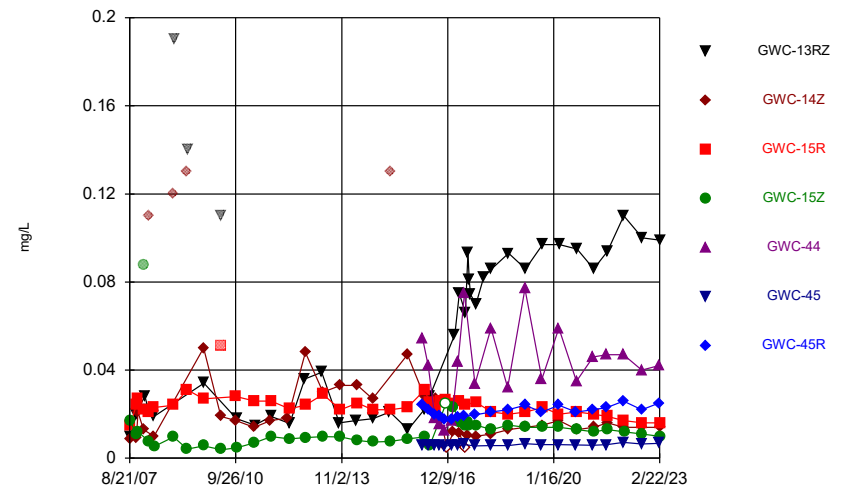
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Time Series



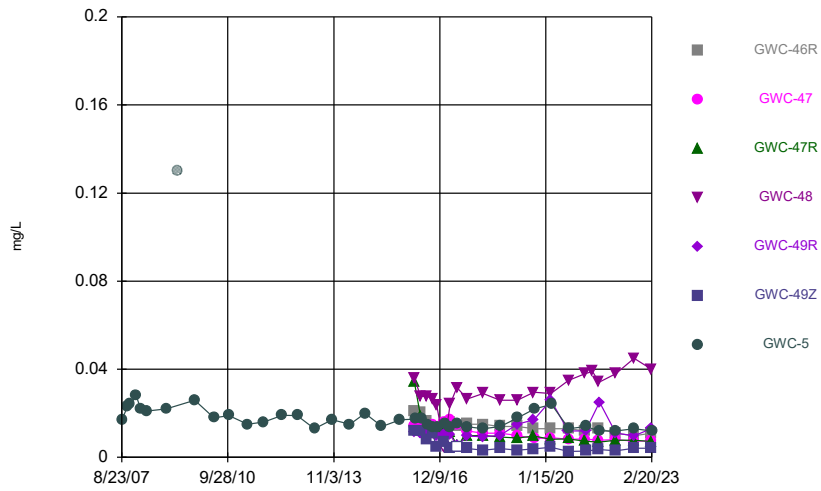
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Time Series



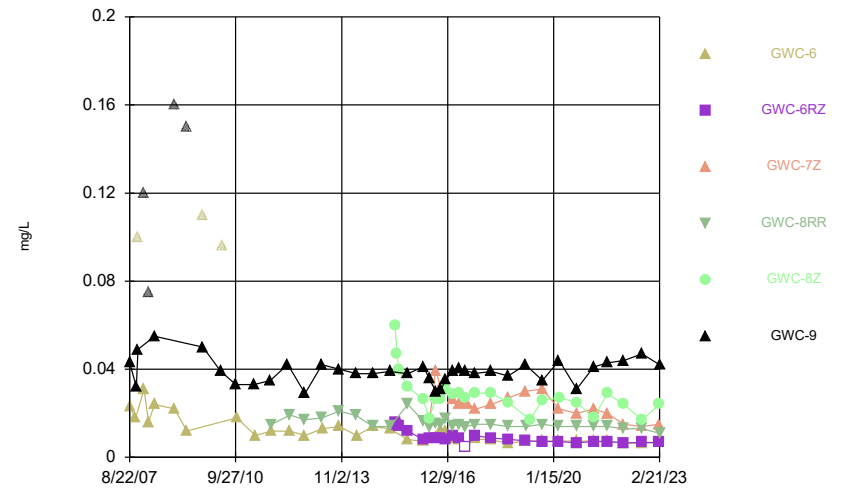
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Time Series



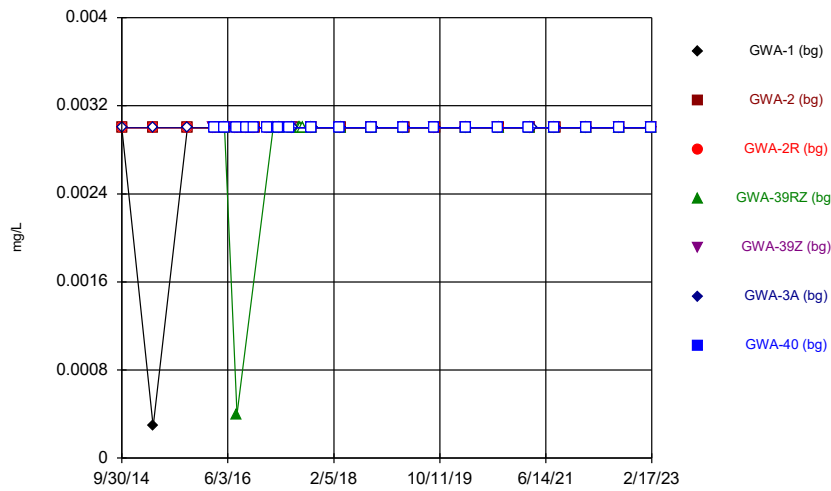
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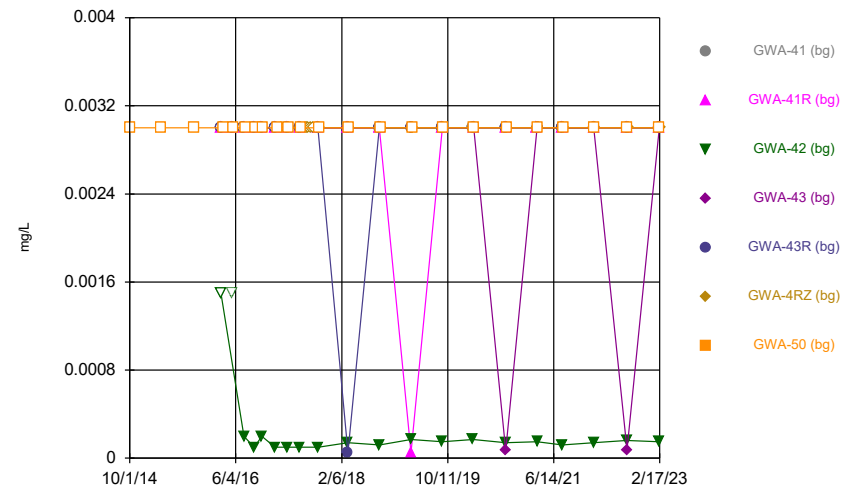
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Time Series



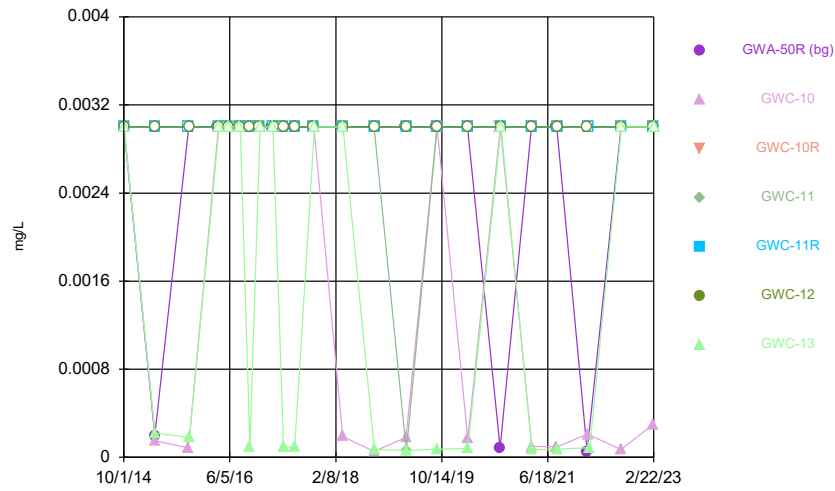
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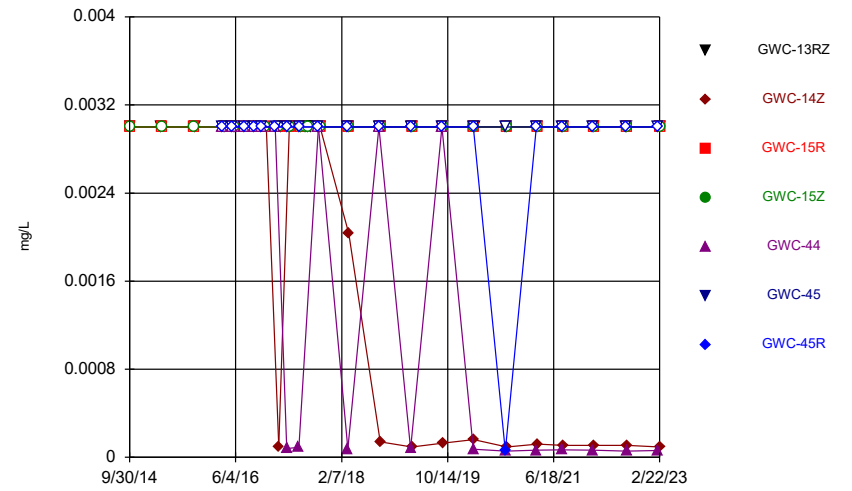
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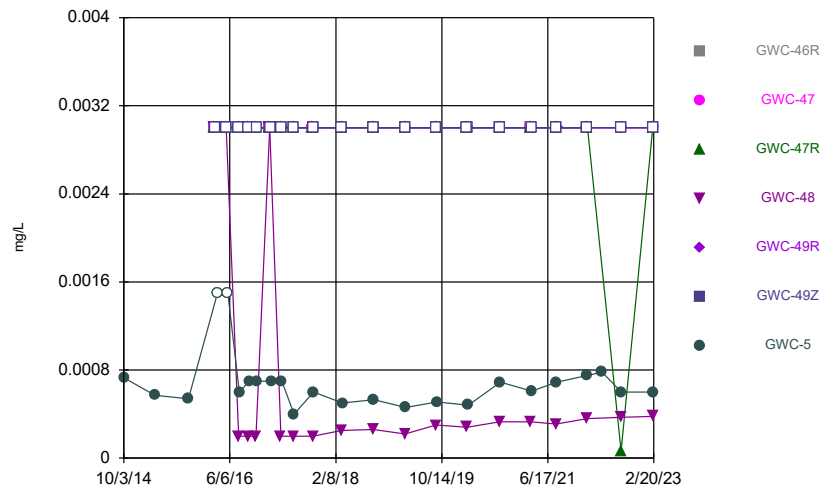
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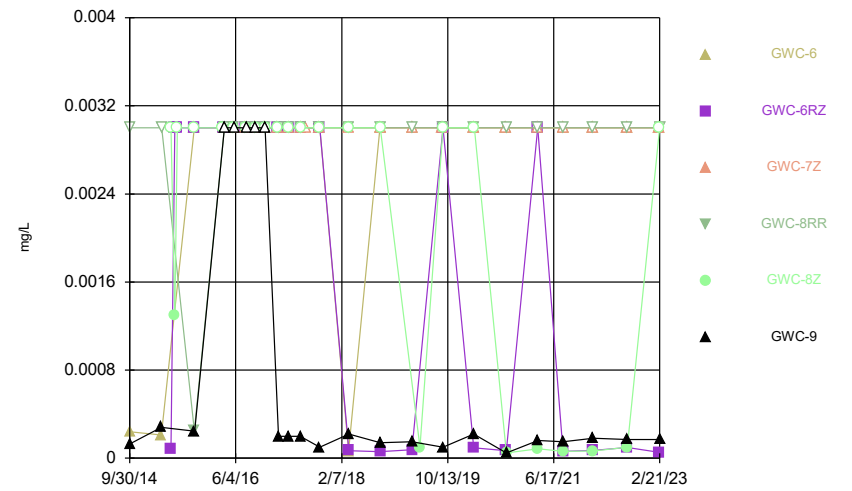
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Time Series



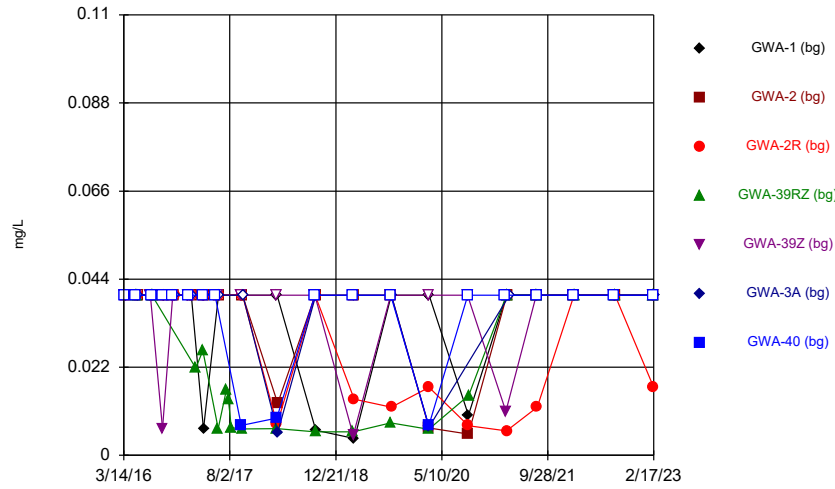
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Time Series



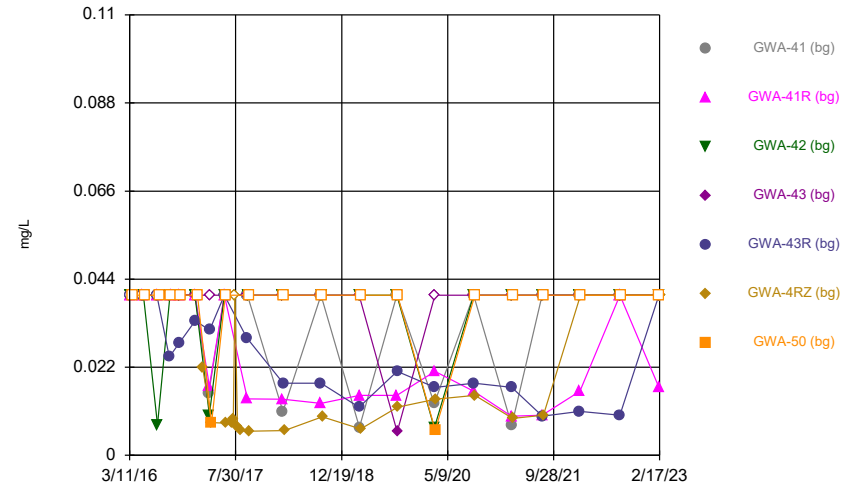
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Time Series



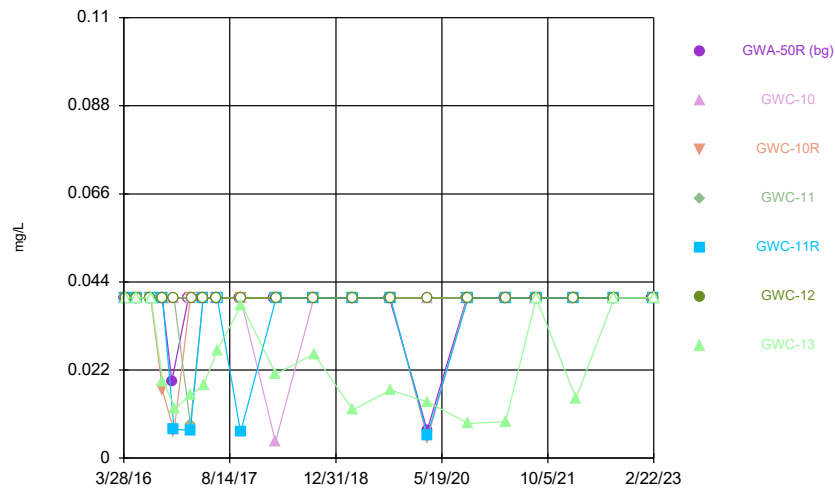
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Time Series



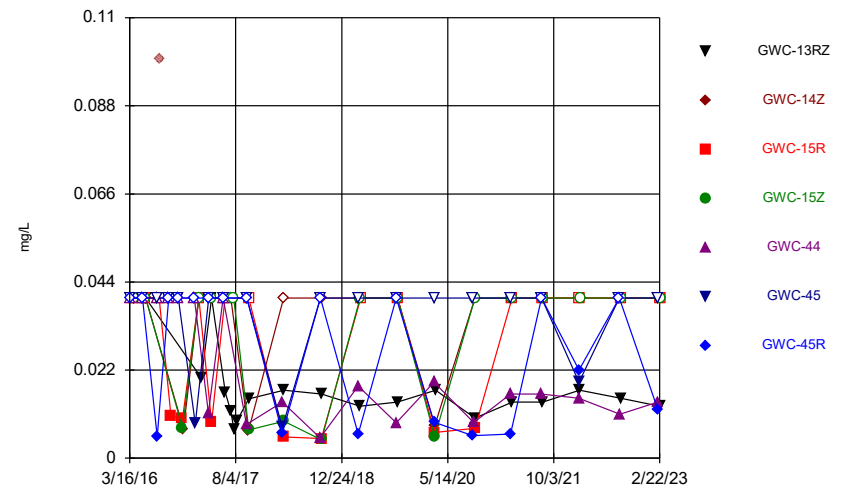
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Time Series



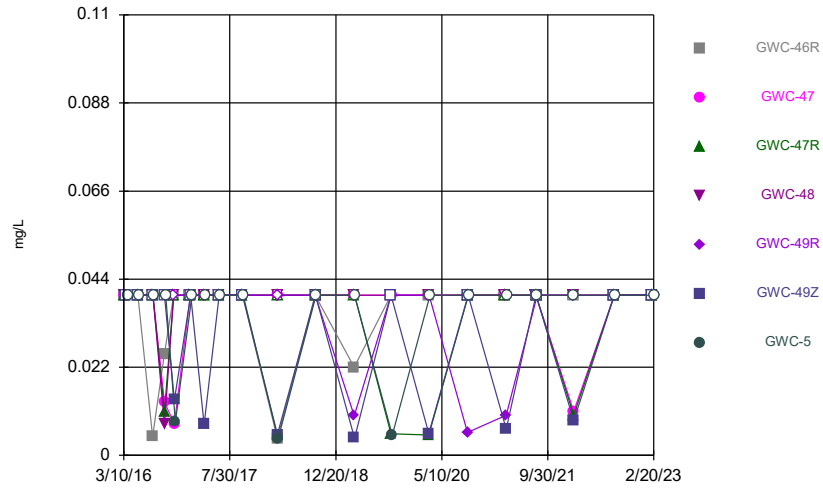
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Time Series



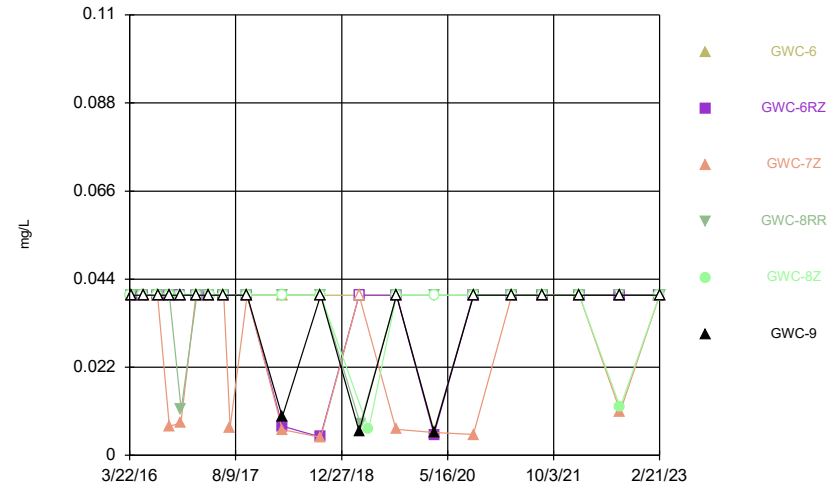
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Time Series



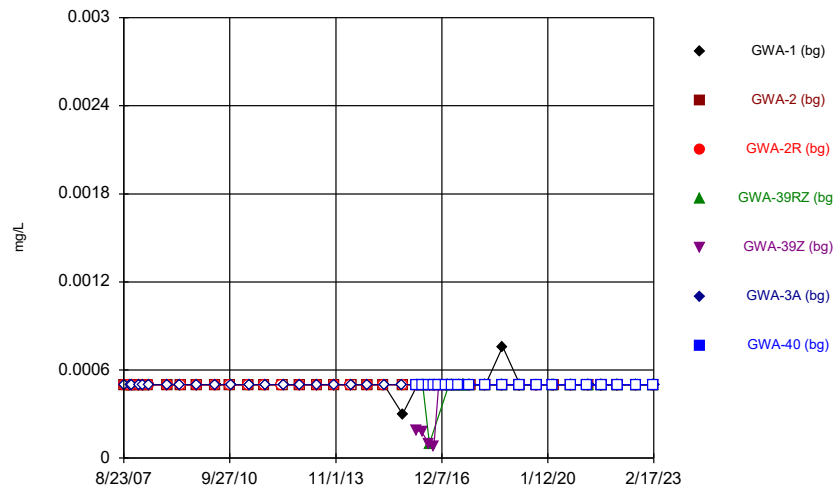
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Time Series



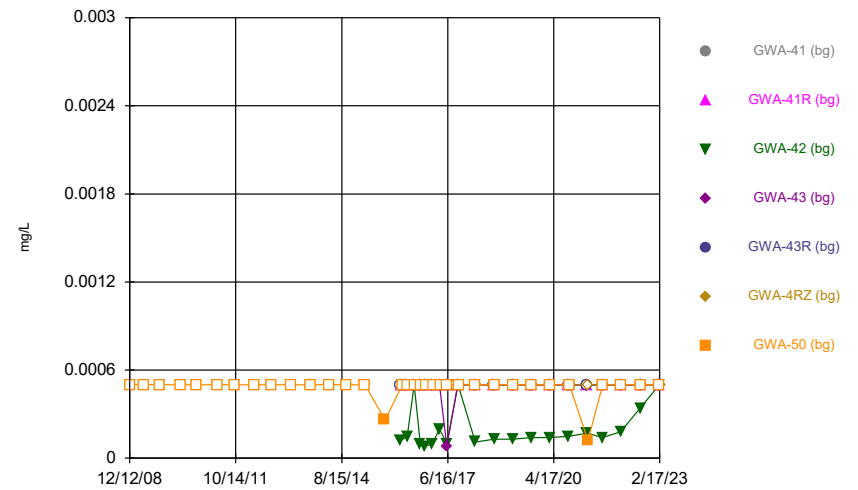
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Time Series



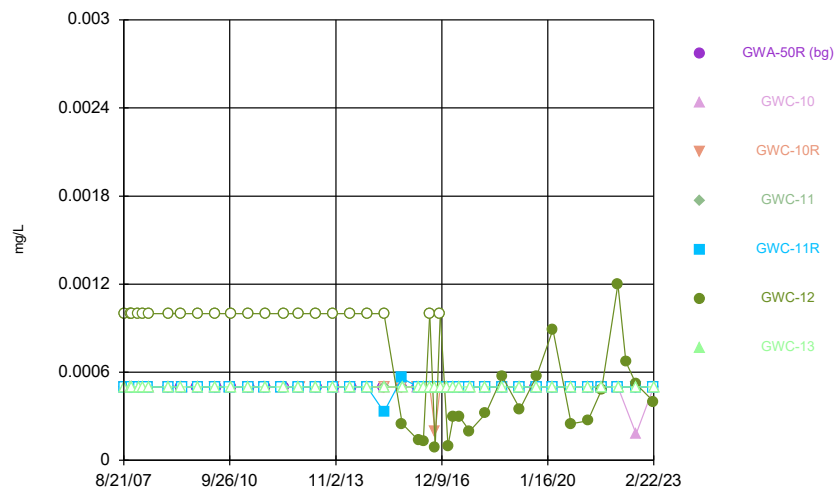
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Time Series



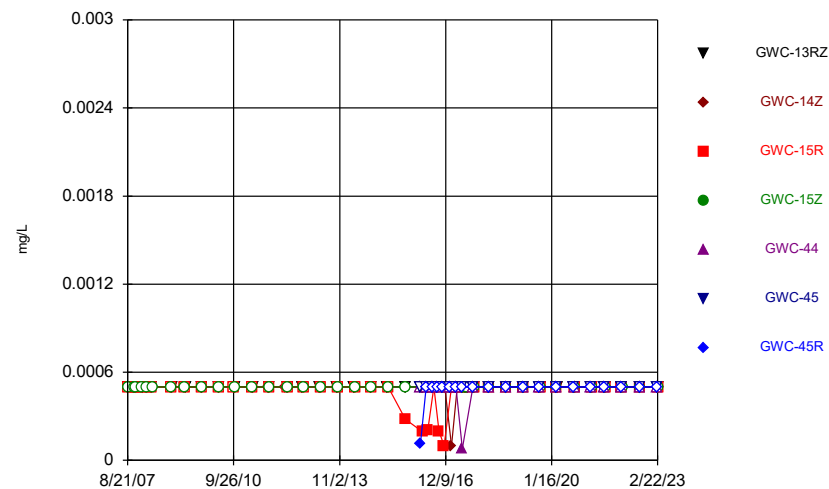
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Time Series



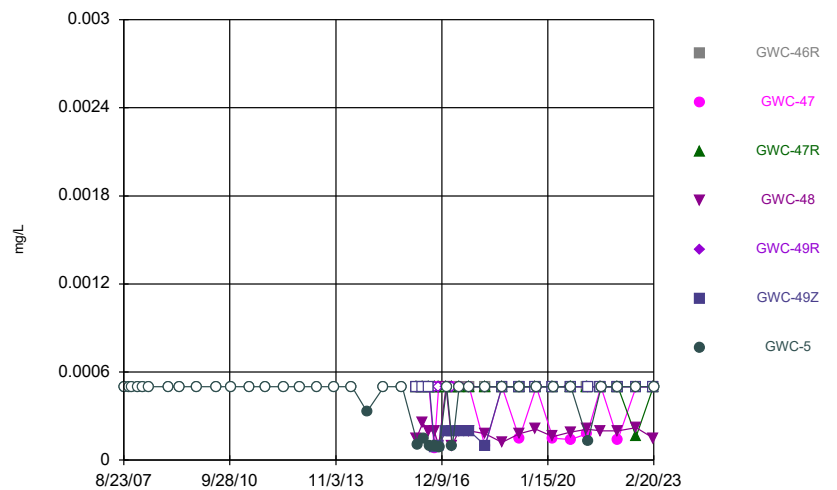
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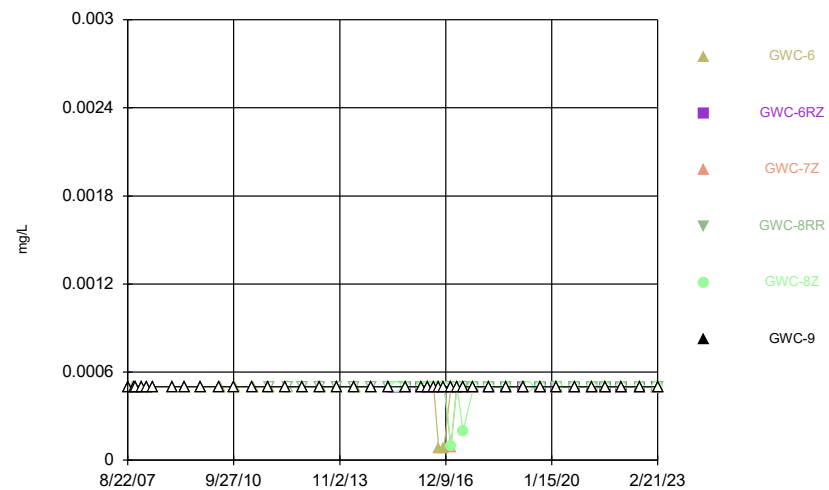
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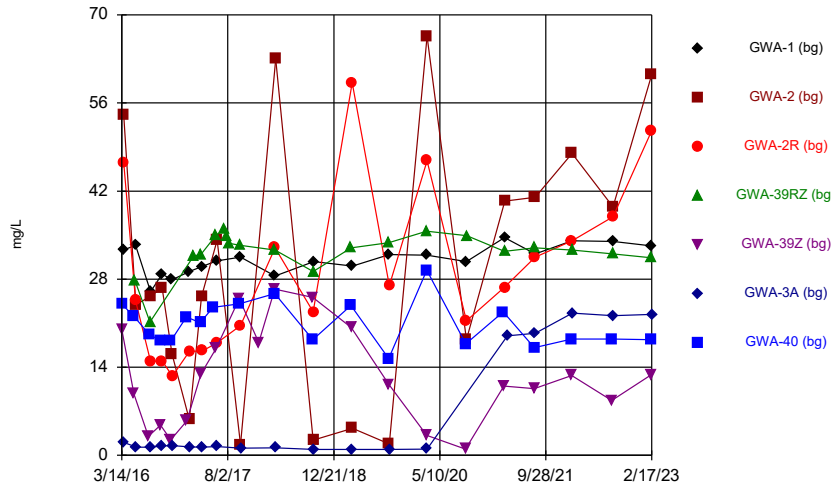
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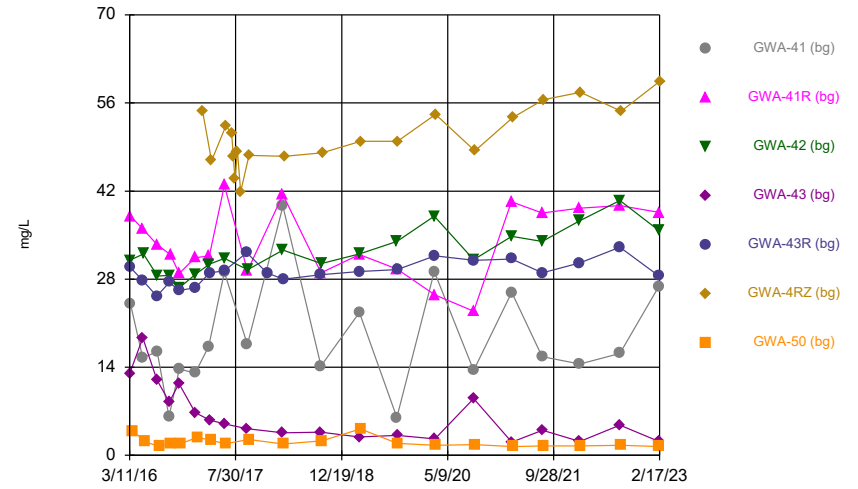
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Time Series



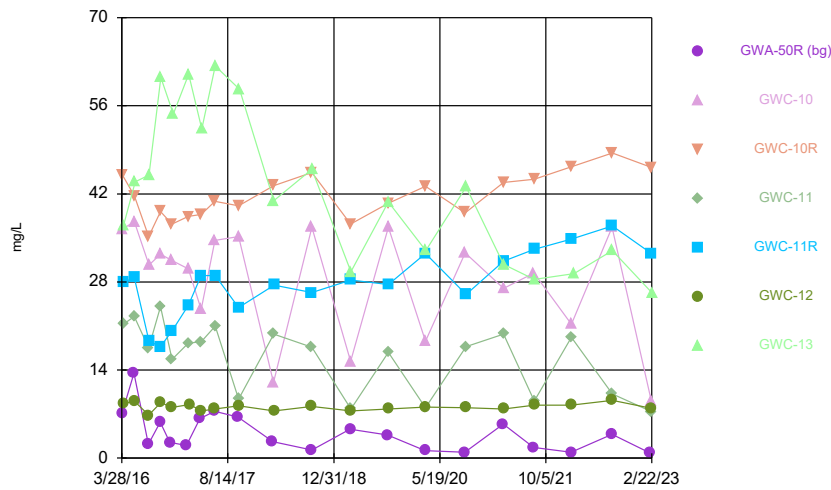
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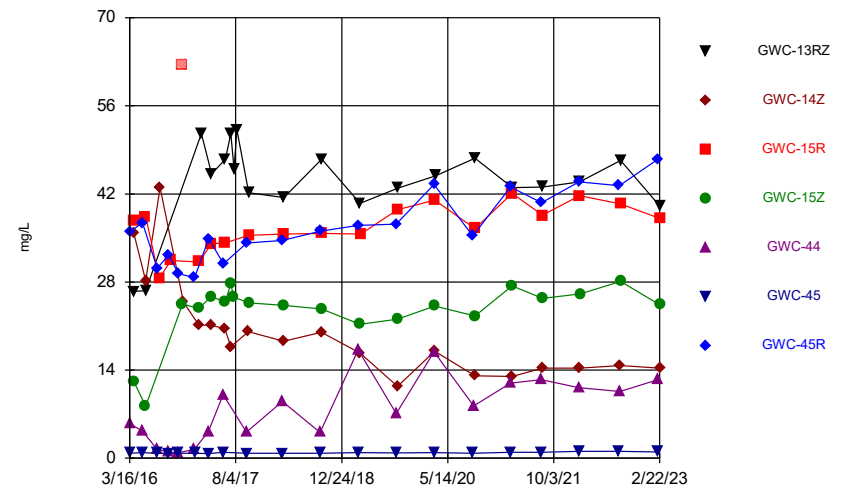
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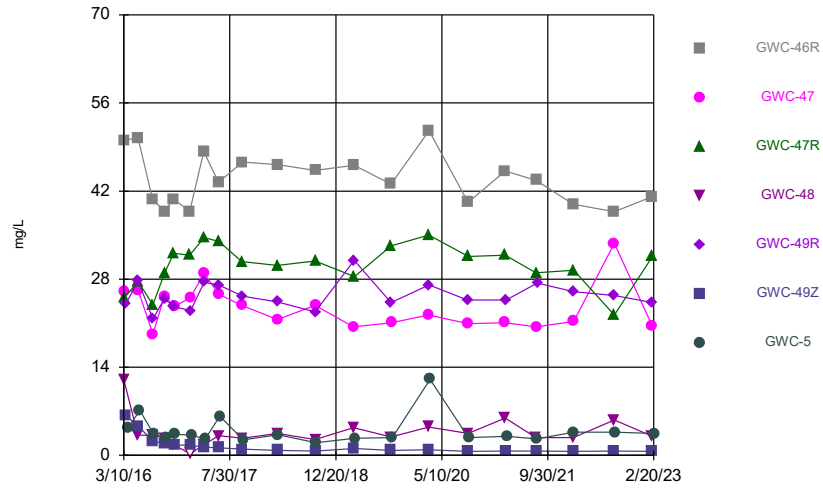
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Time Series



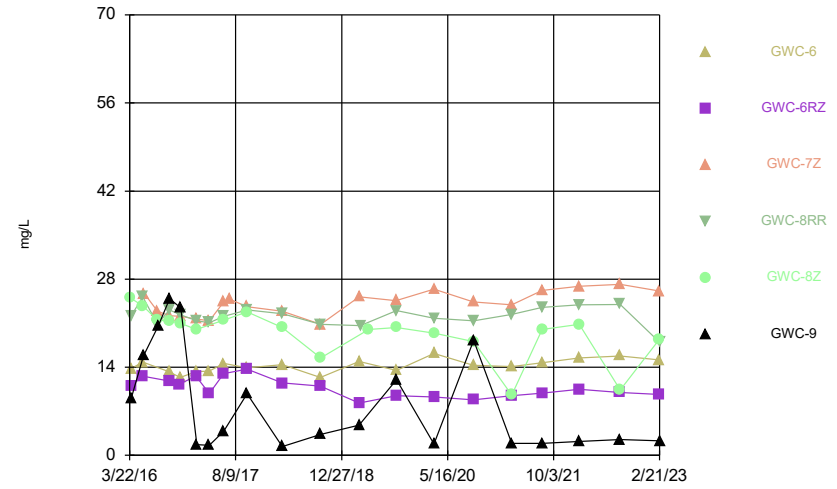
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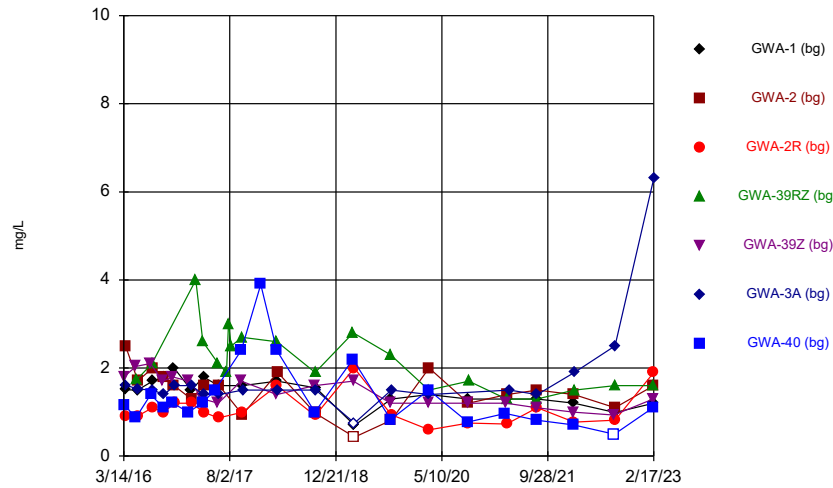
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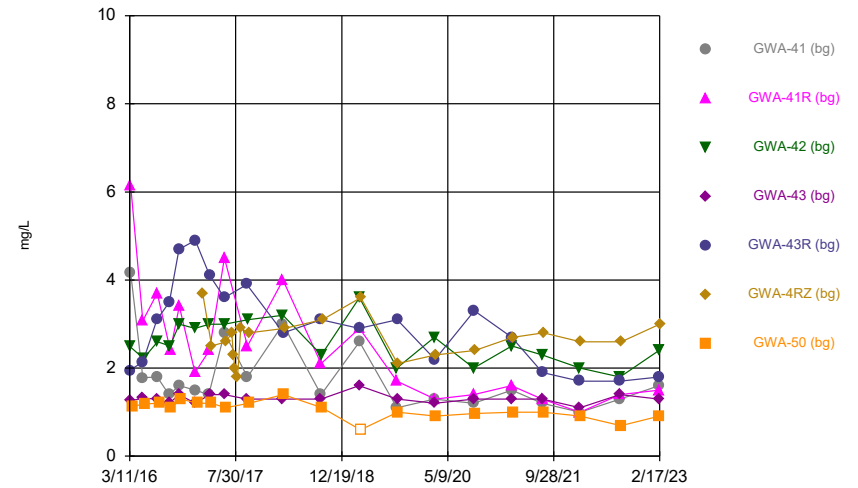
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Time Series



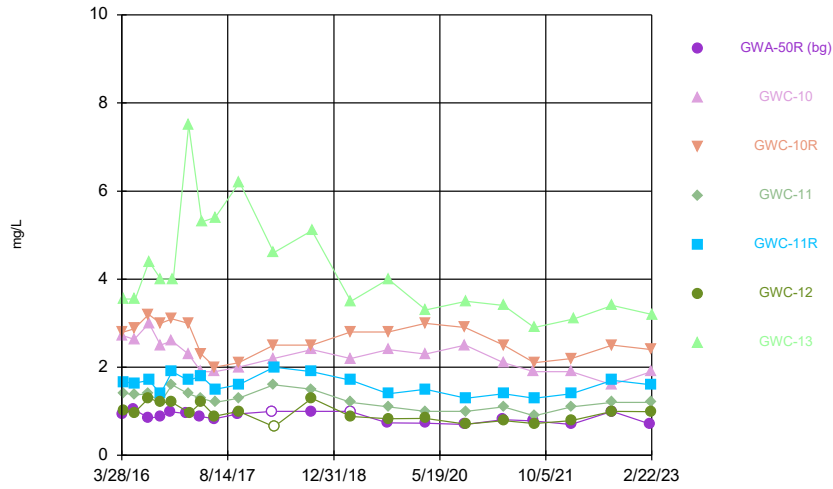
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Time Series



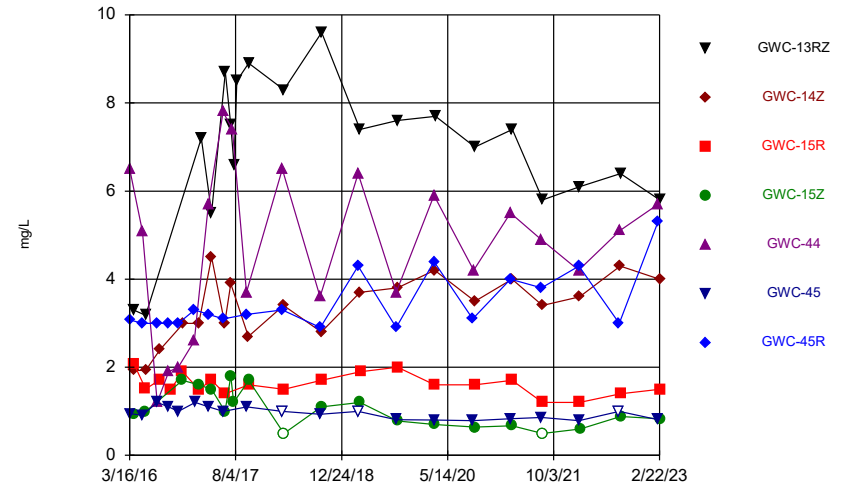
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Time Series



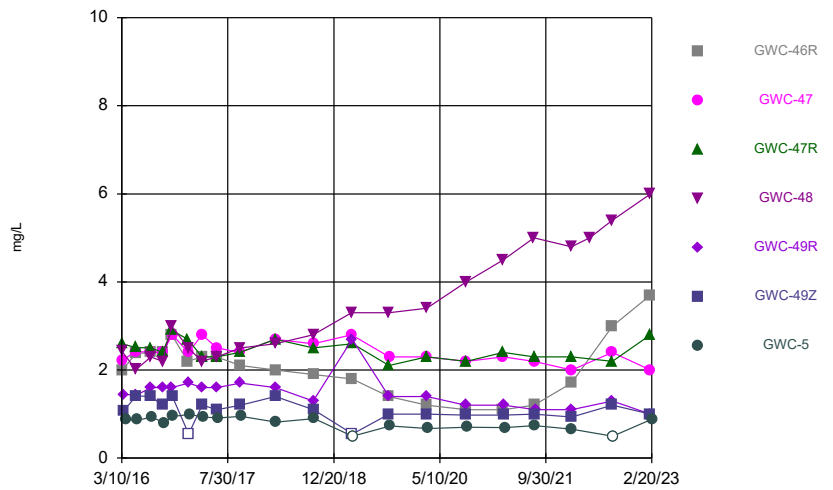
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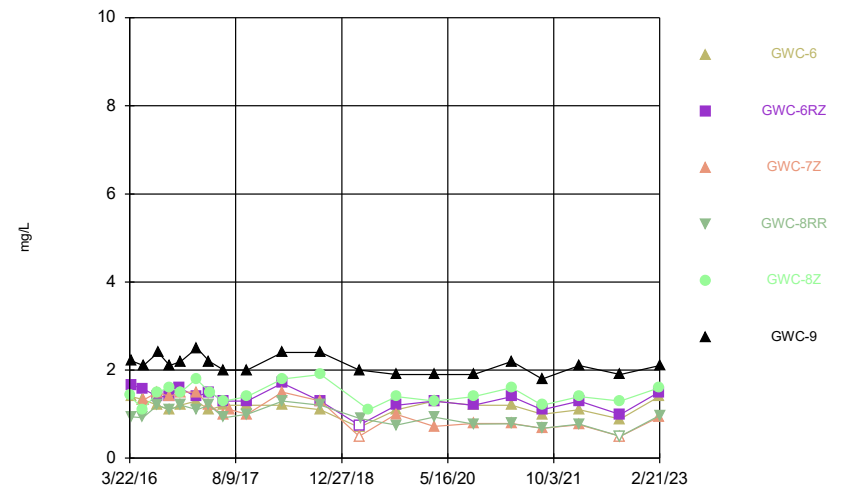
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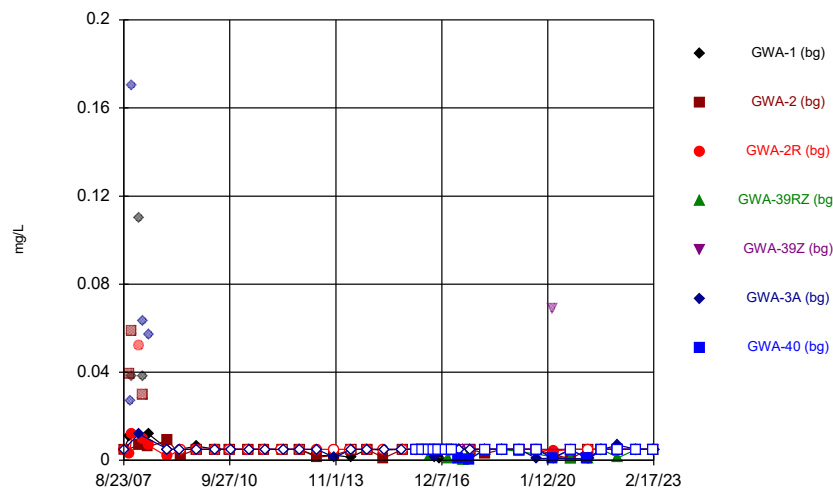
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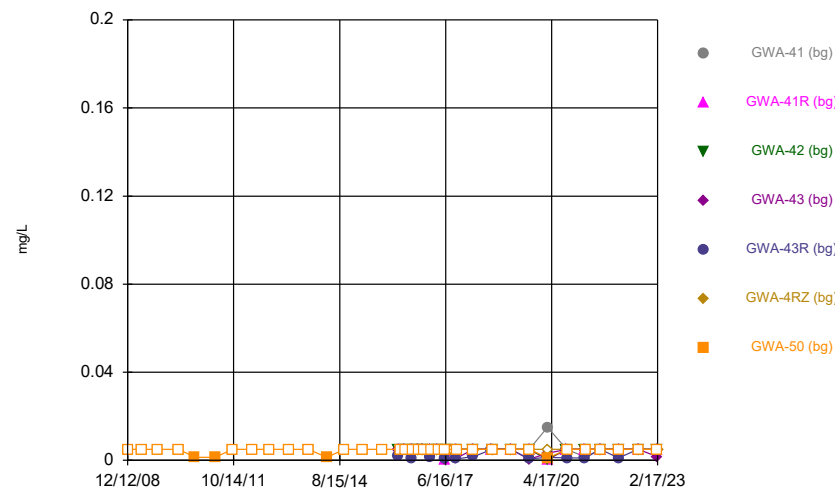
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Time Series



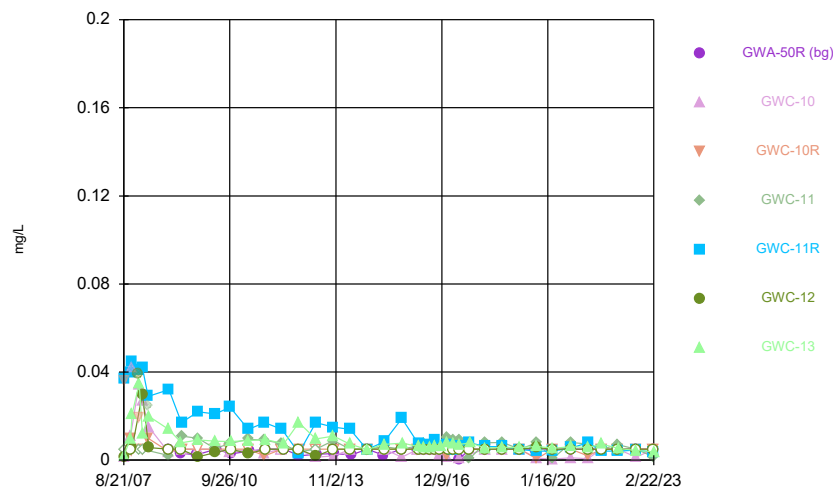
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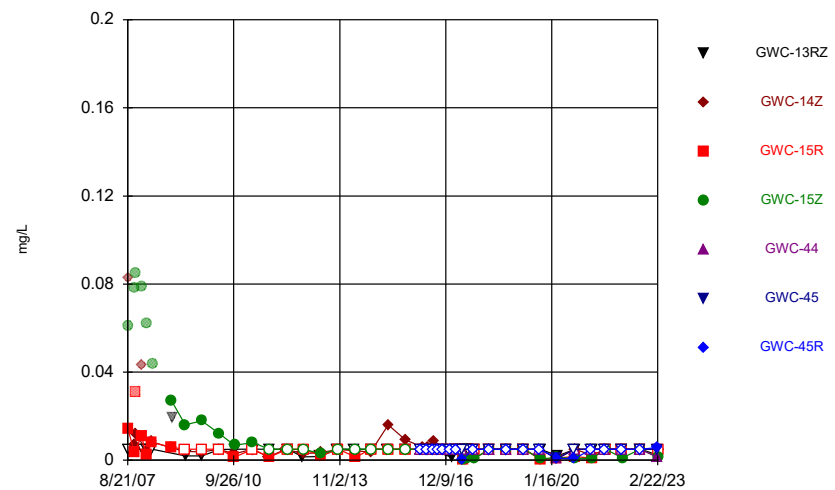
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Time Series



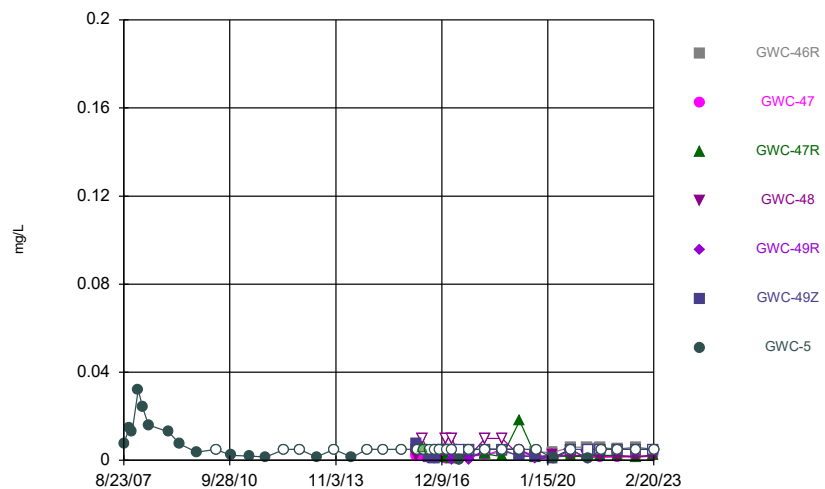
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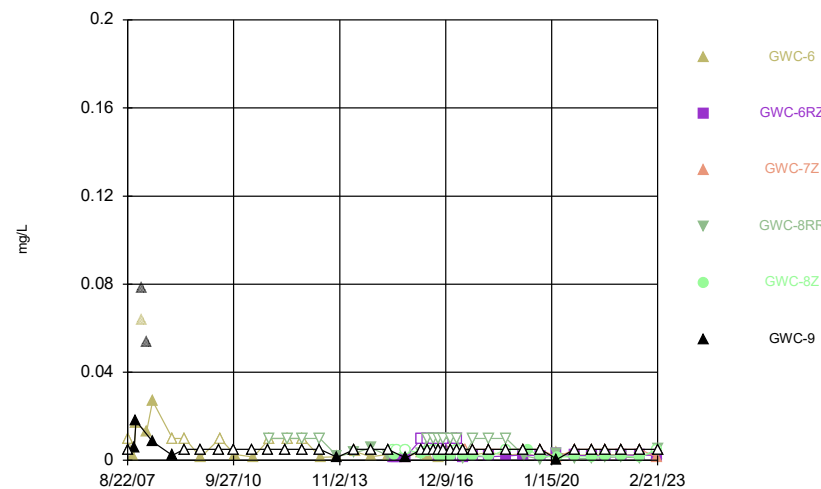
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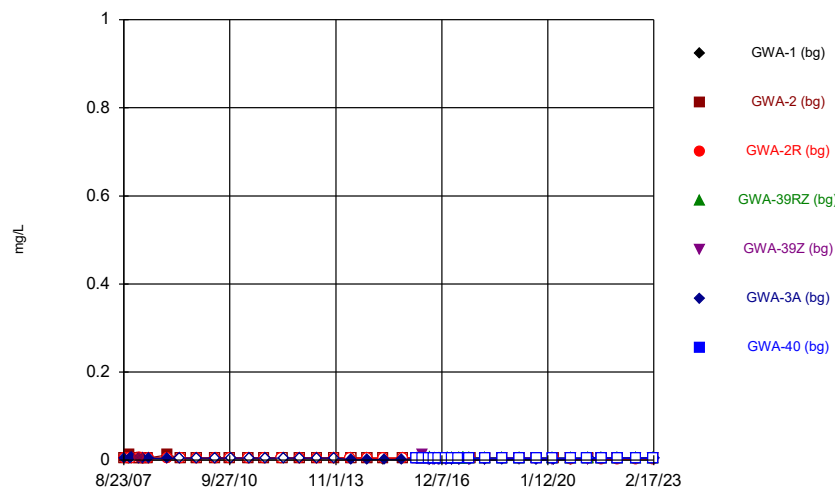
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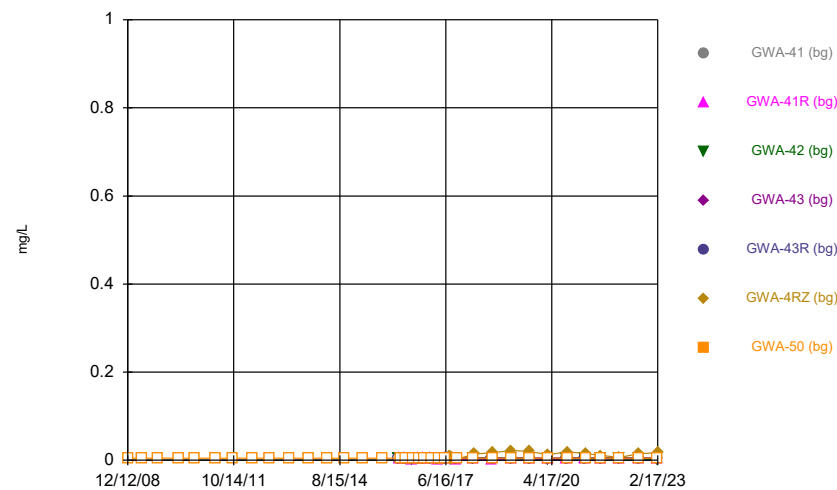
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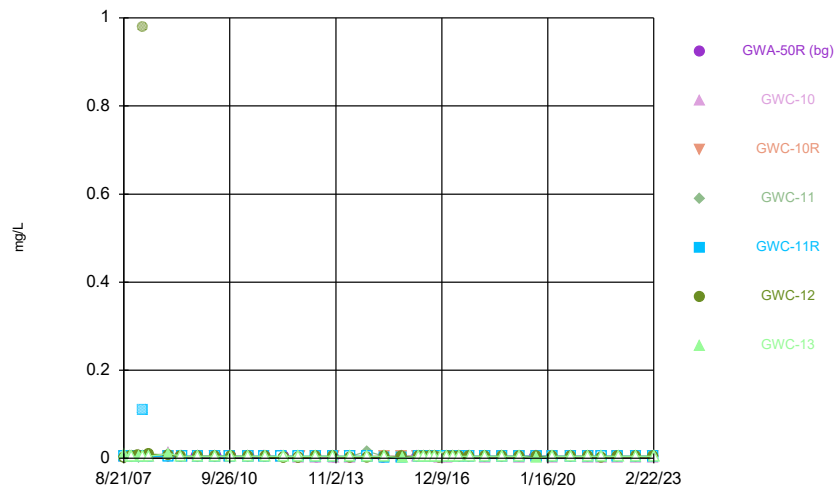
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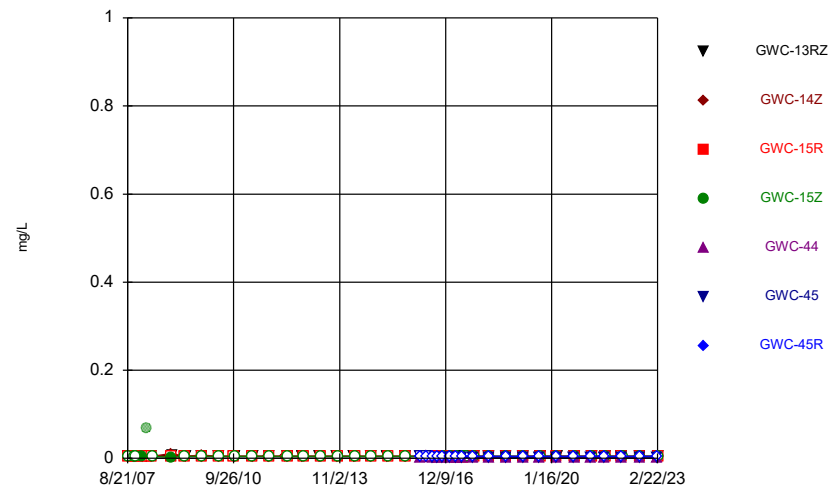
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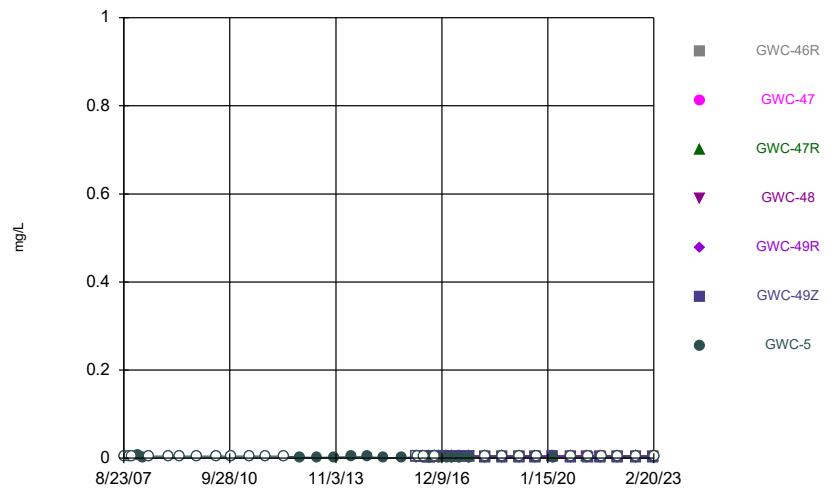
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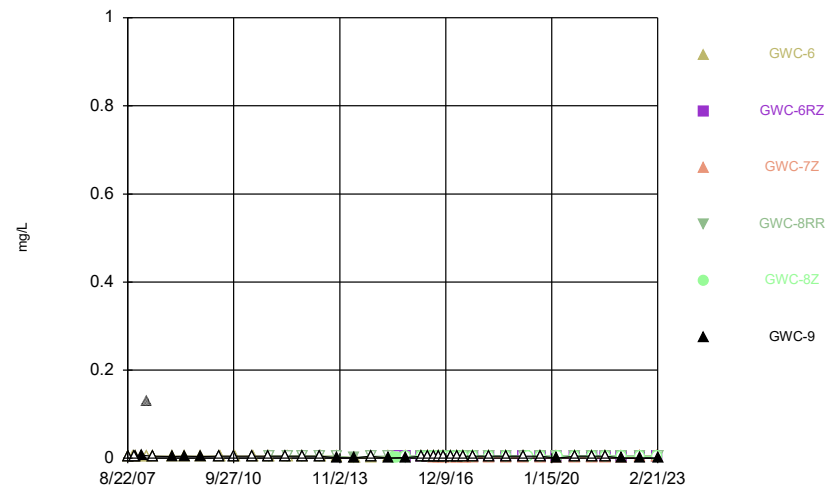
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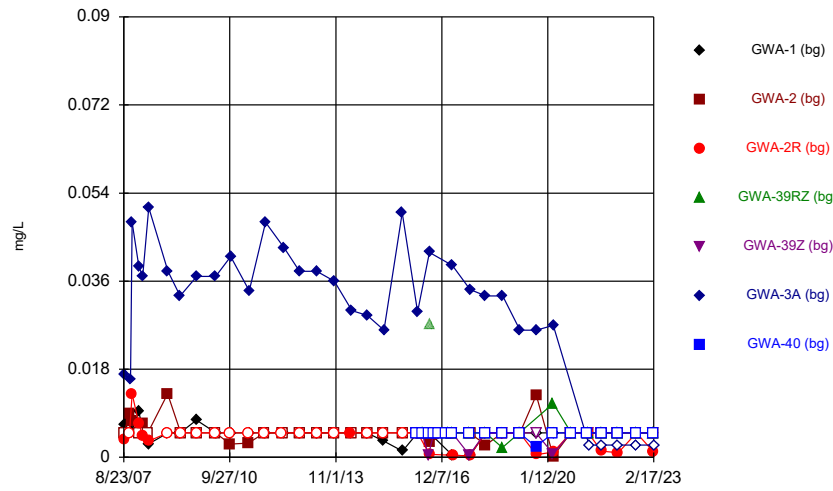
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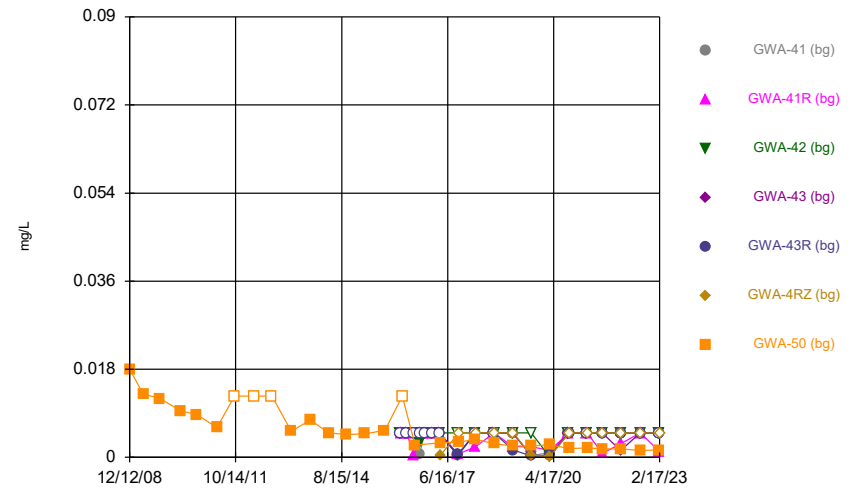
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Time Series



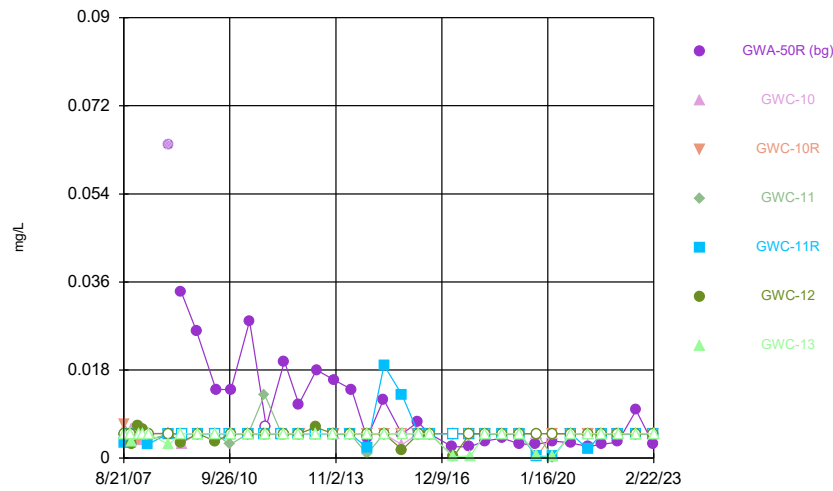
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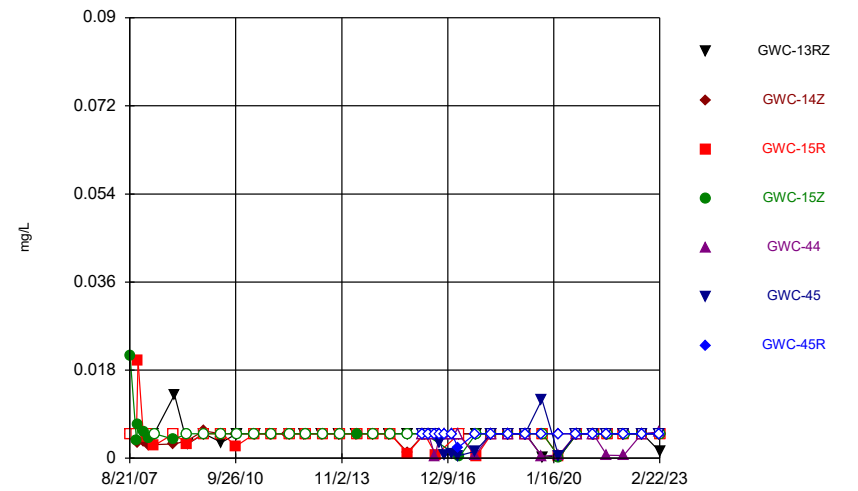
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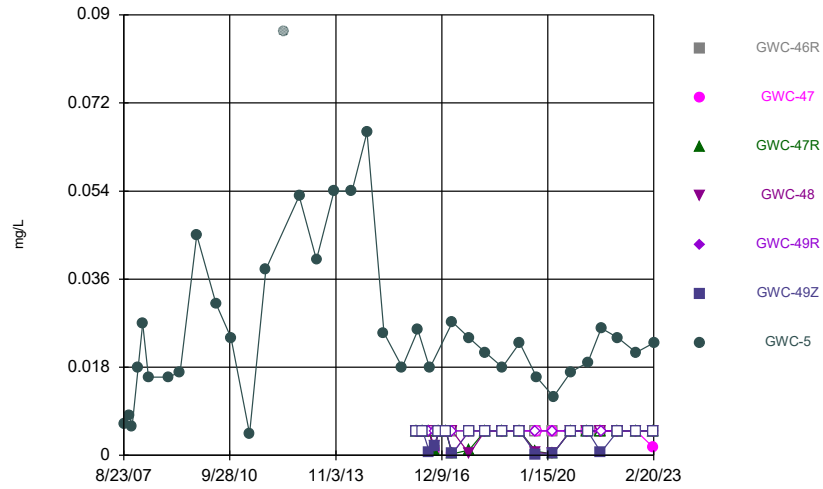
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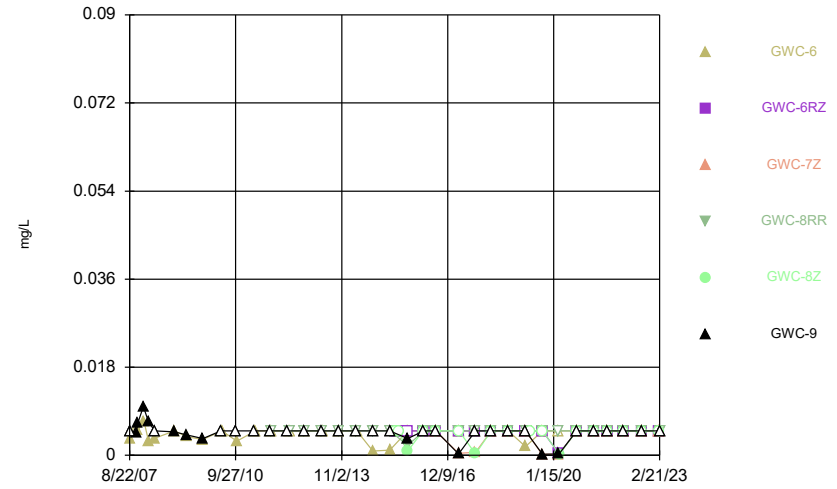
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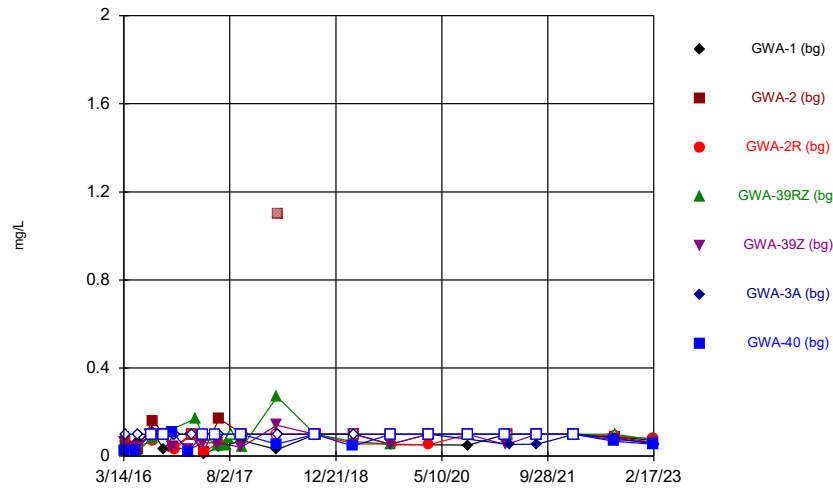
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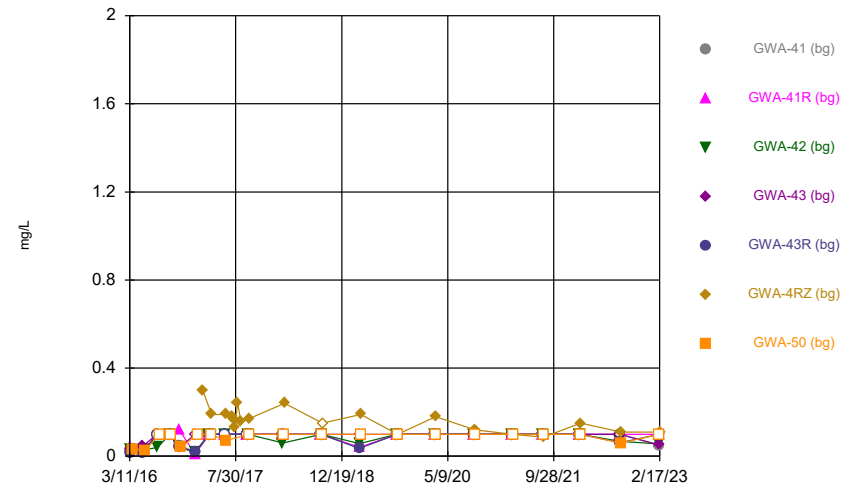
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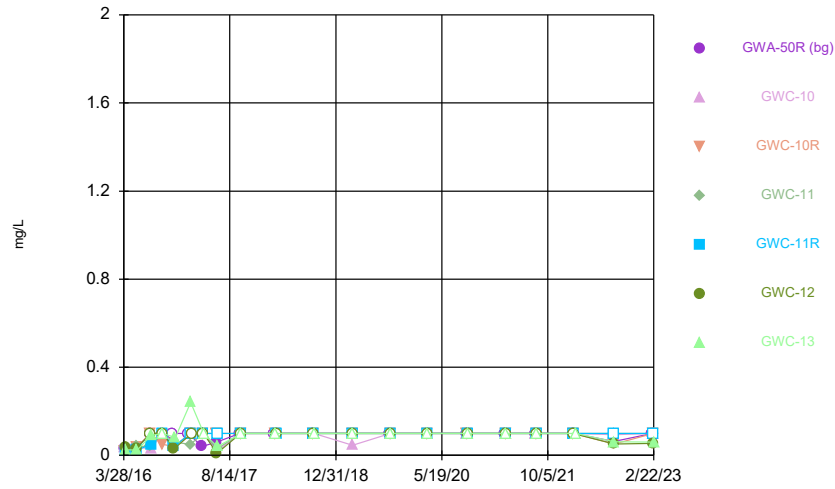
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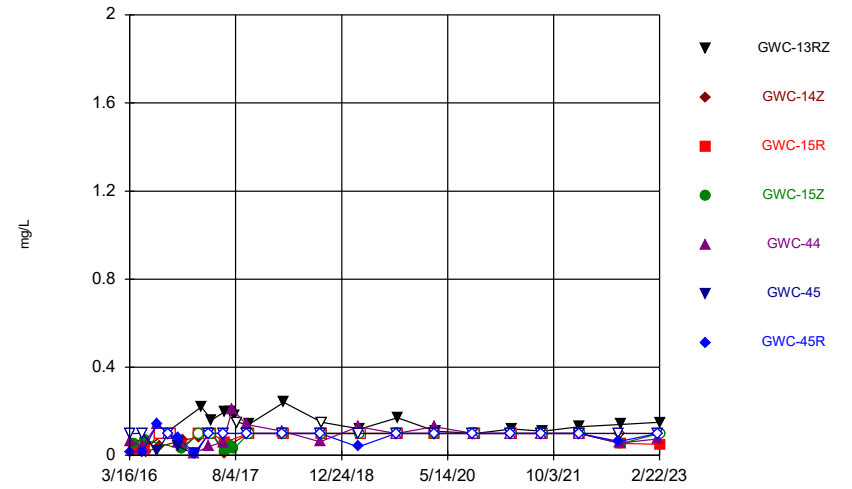
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Time Series



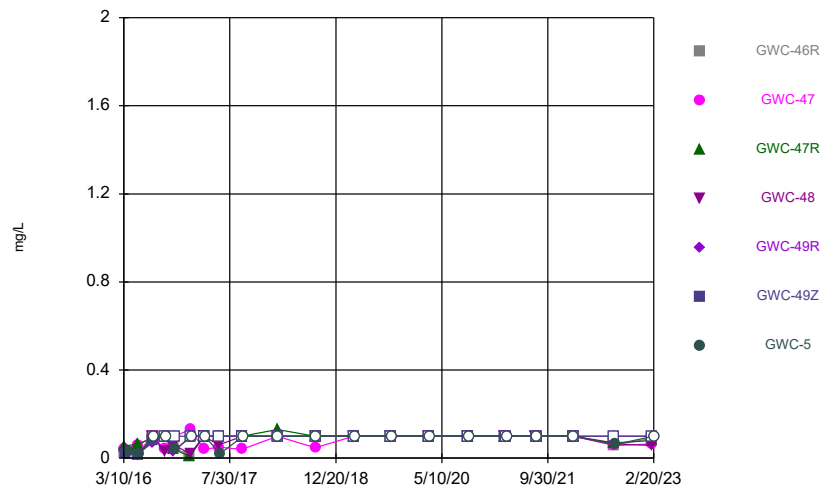
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Time Series



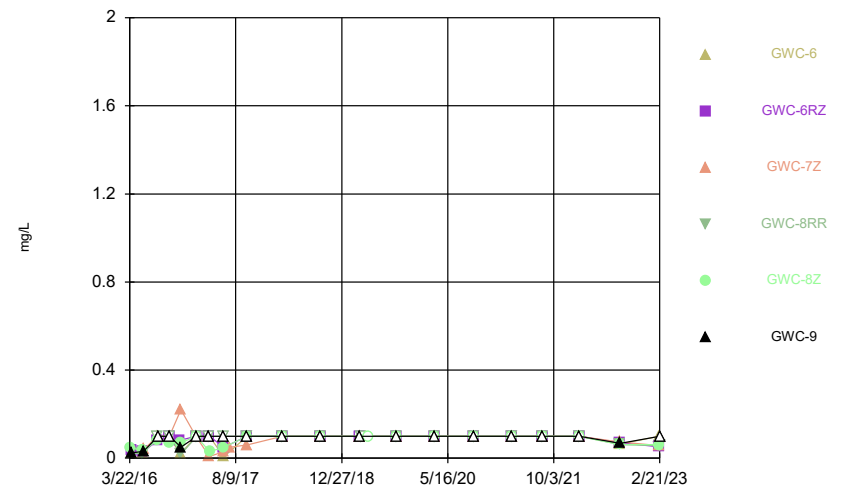
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Time Series



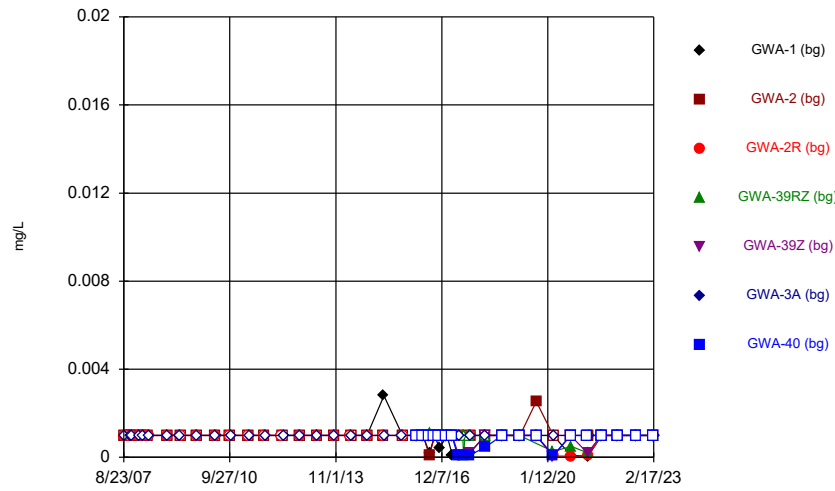
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Time Series



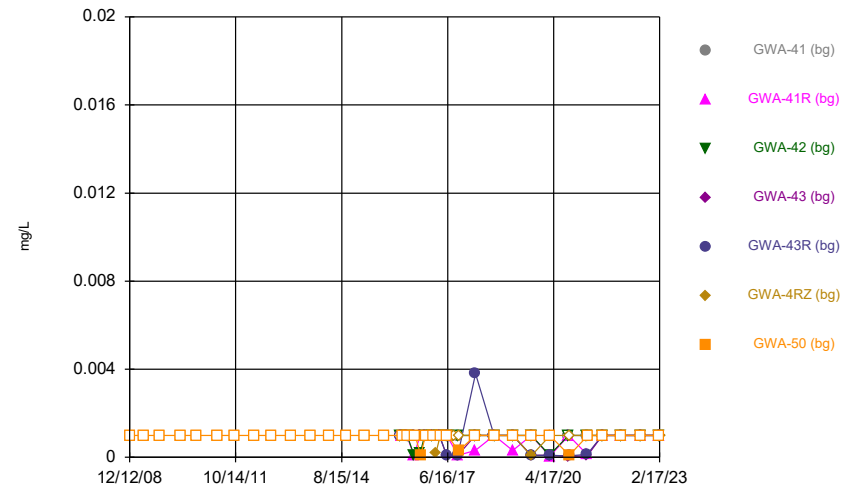
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Time Series



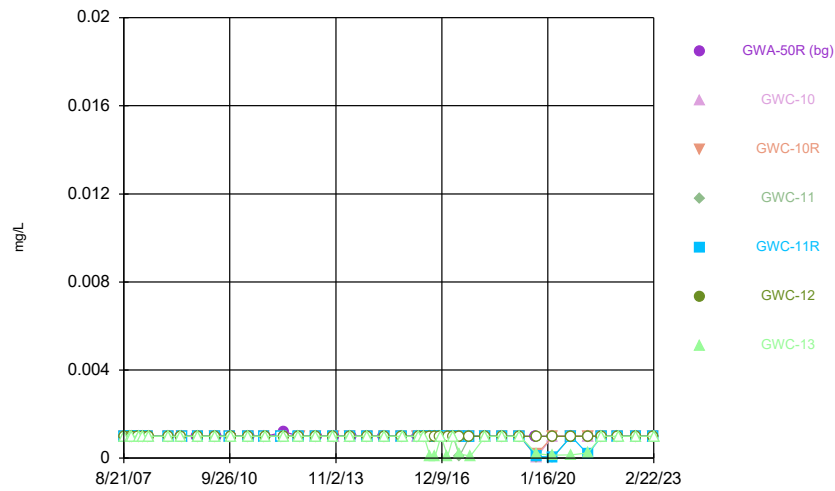
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Time Series



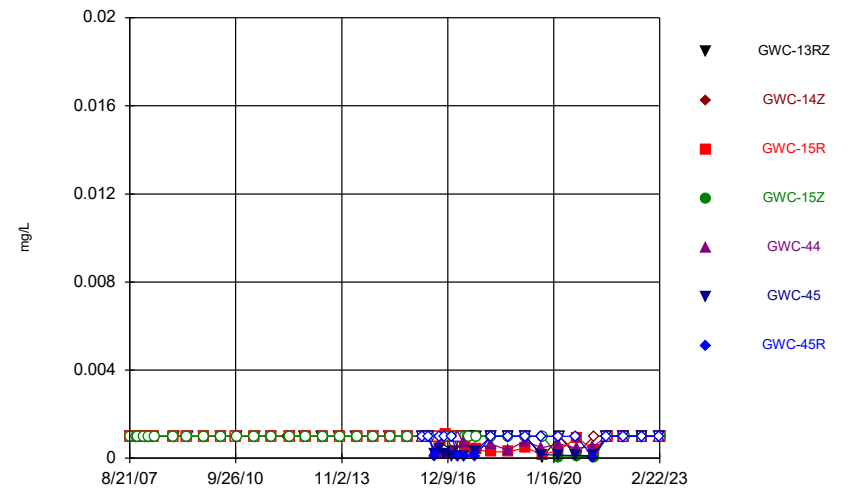
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Time Series



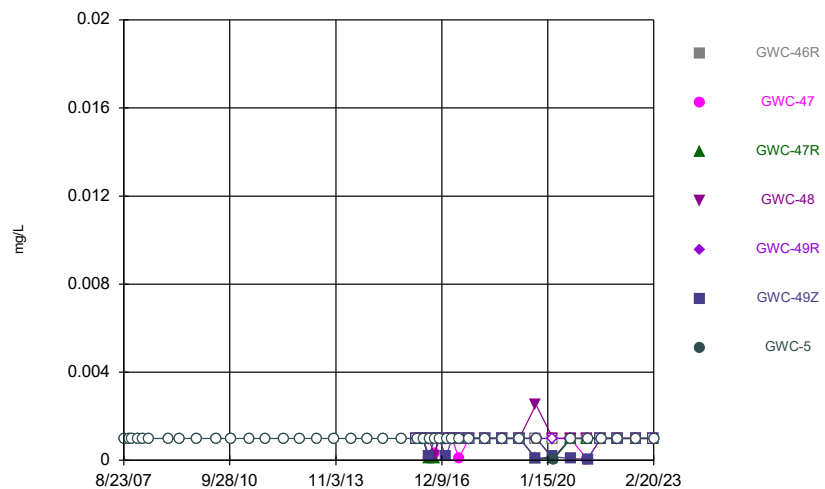
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Time Series



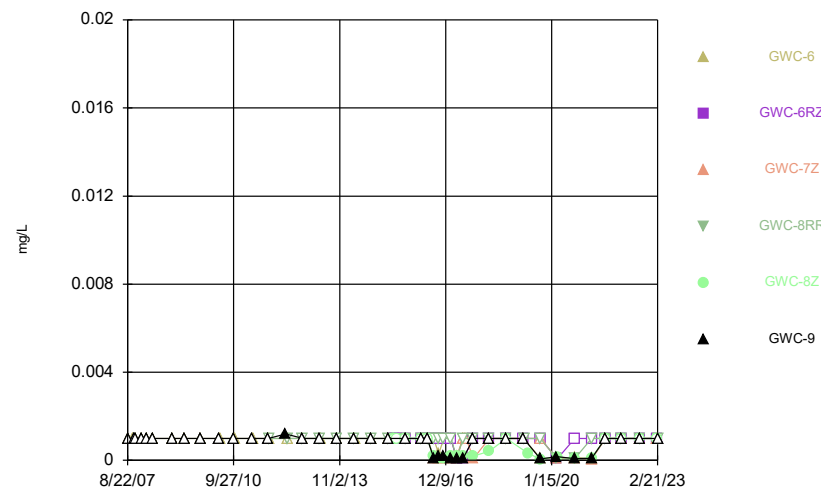
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Time Series



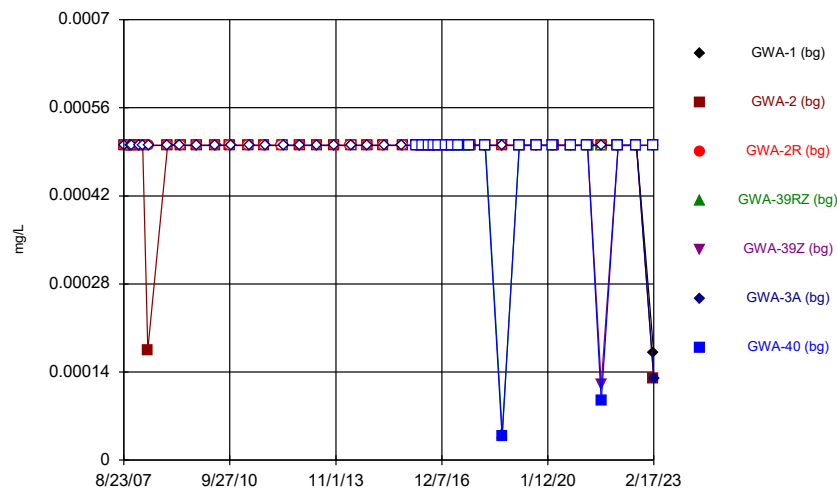
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Time Series



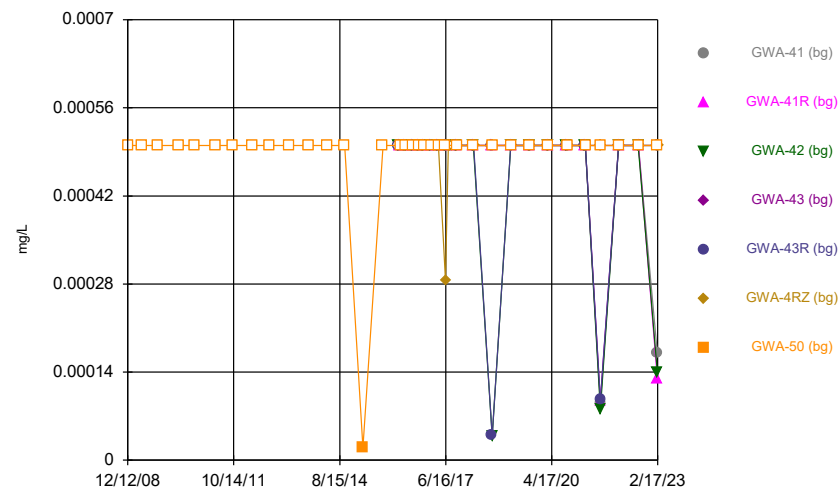
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Time Series



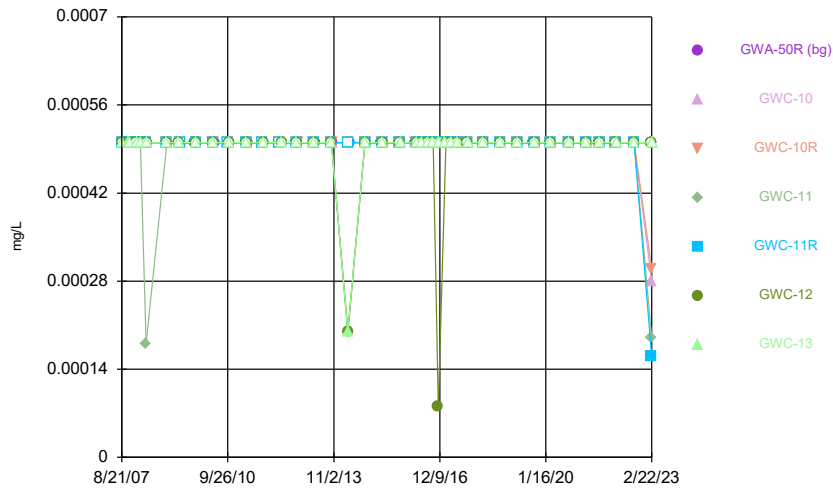
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Time Series



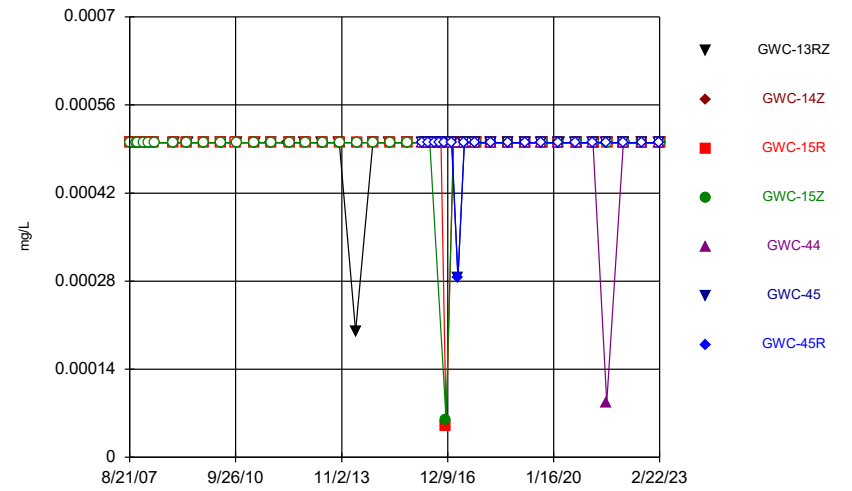
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Time Series



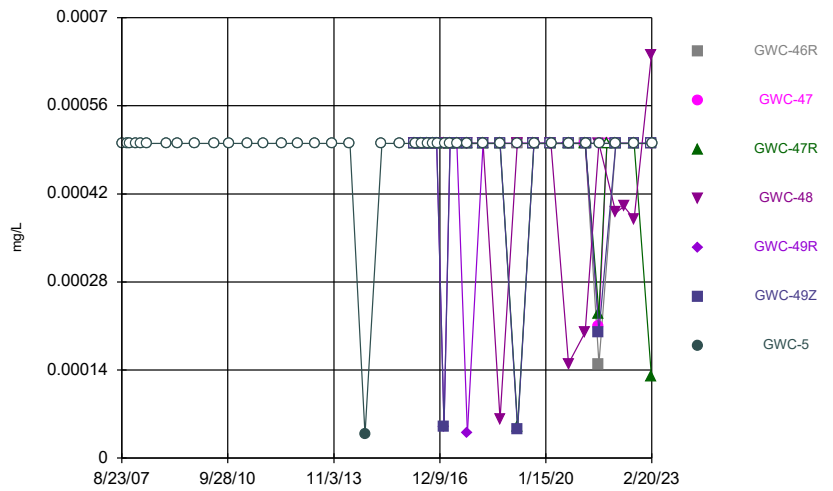
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Time Series



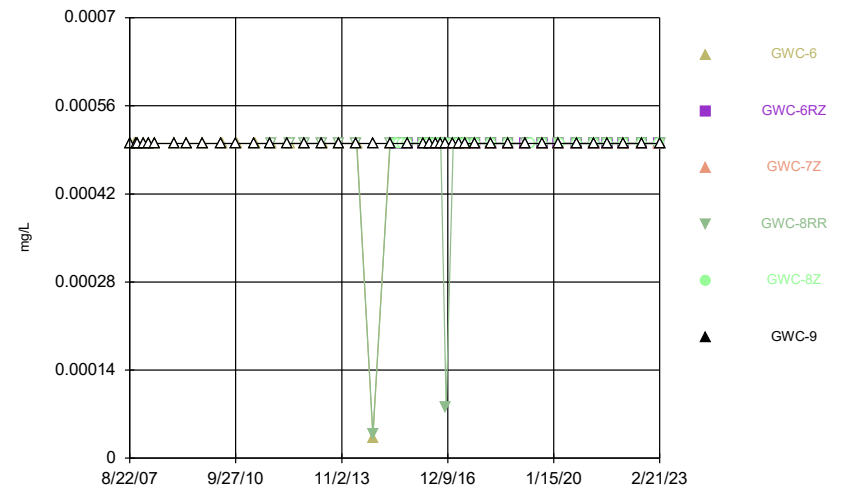
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Time Series



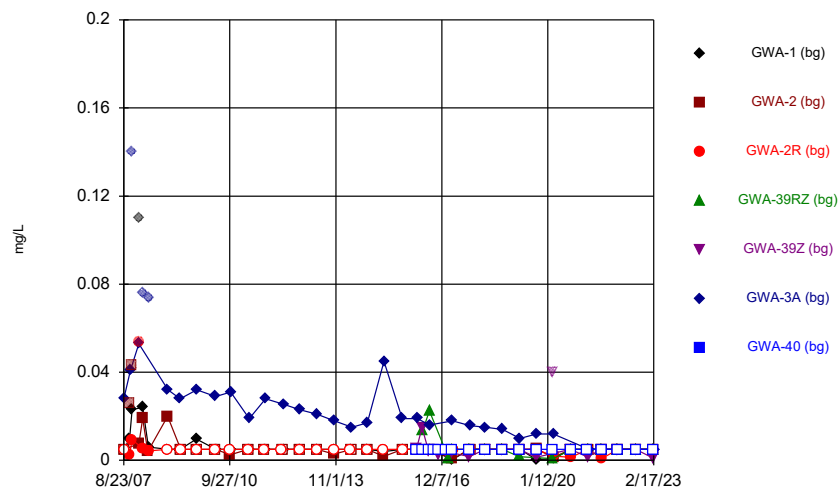
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Time Series



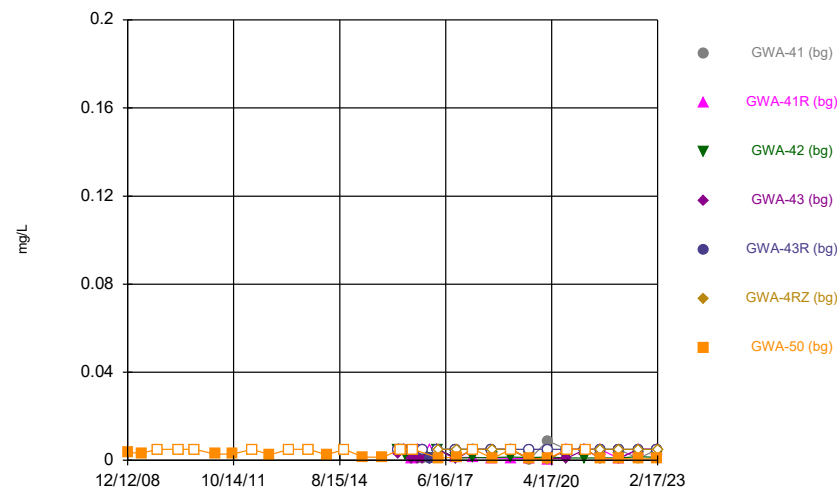
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Time Series



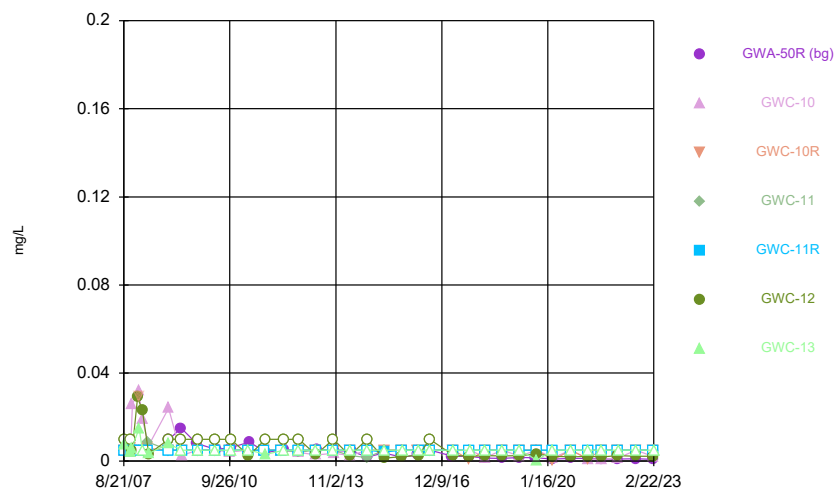
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Time Series



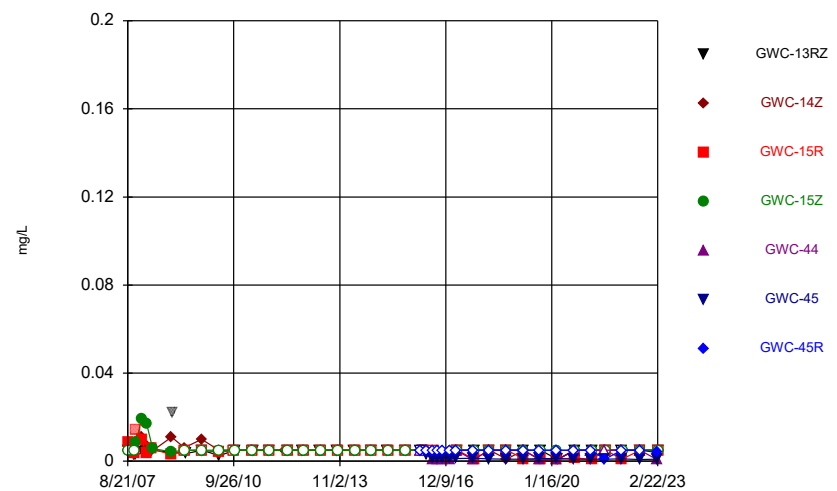
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Time Series



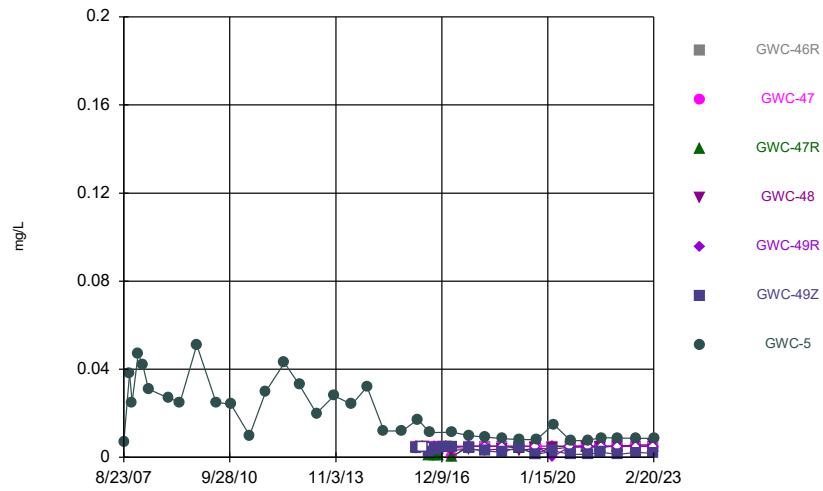
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



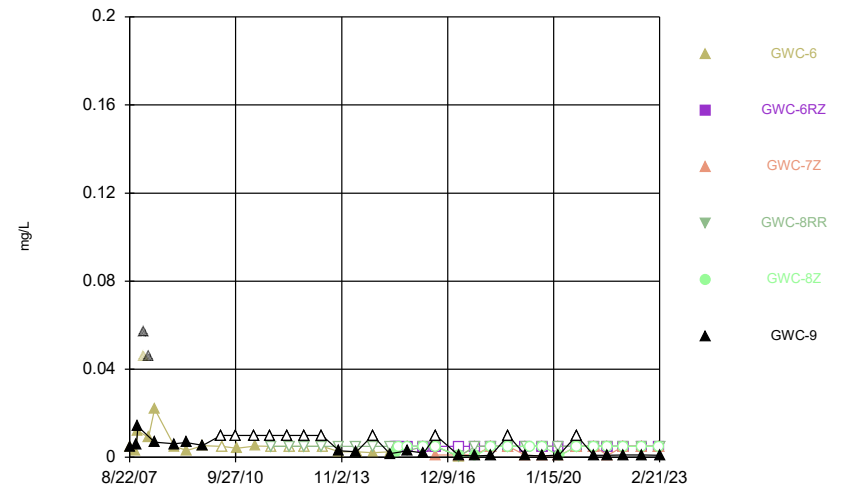
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Time Series



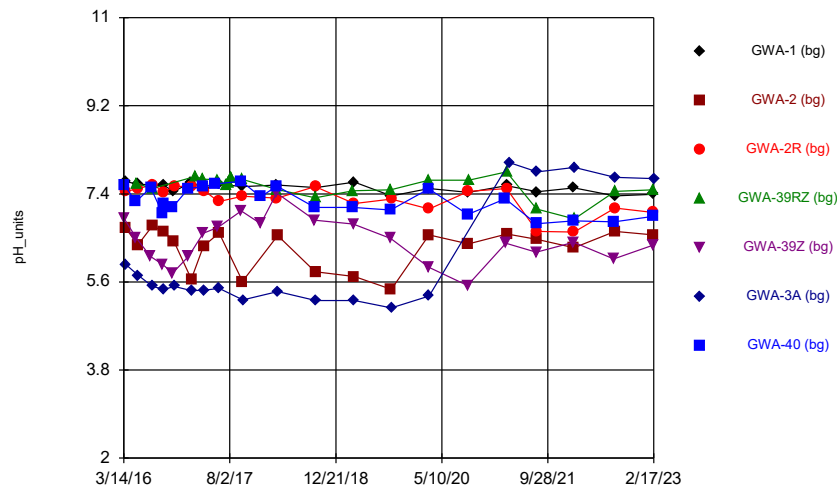
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Time Series



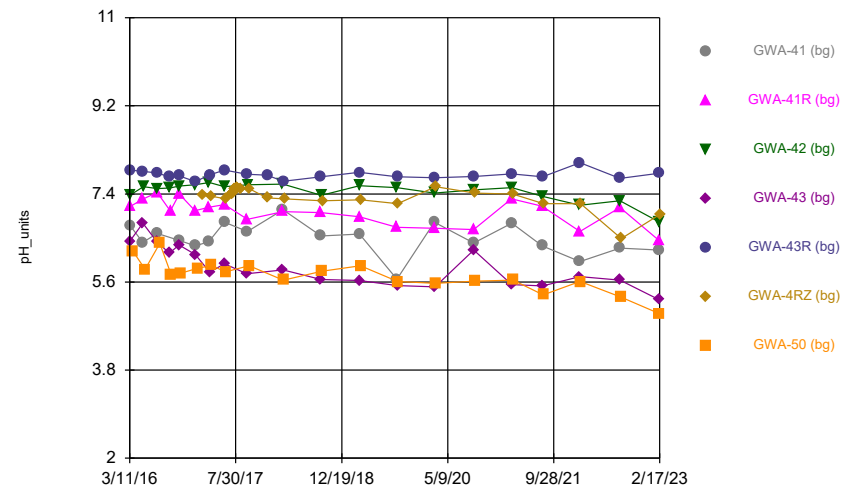
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Time Series



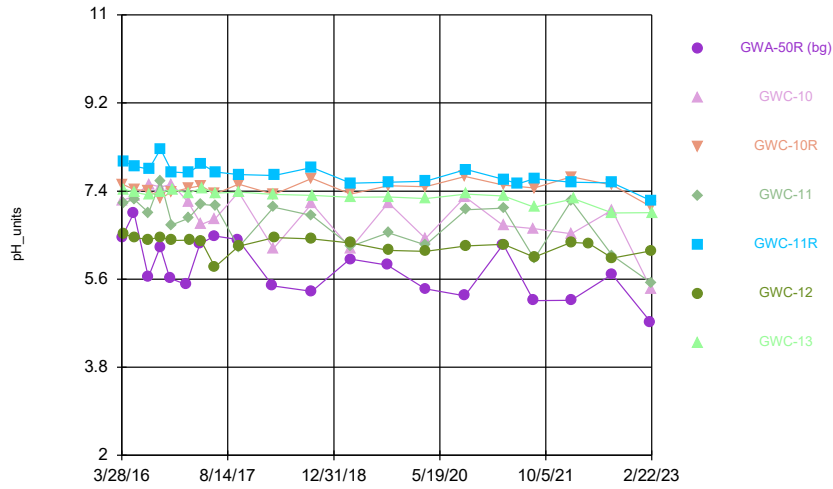
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Time Series



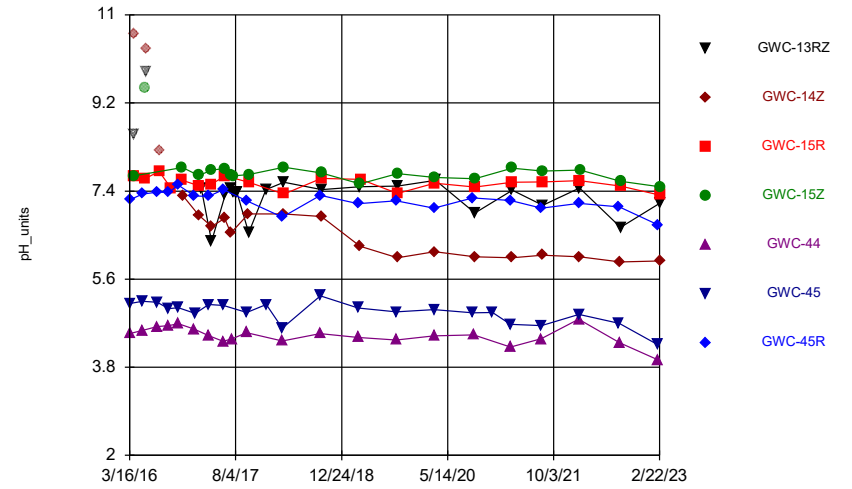
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Time Series



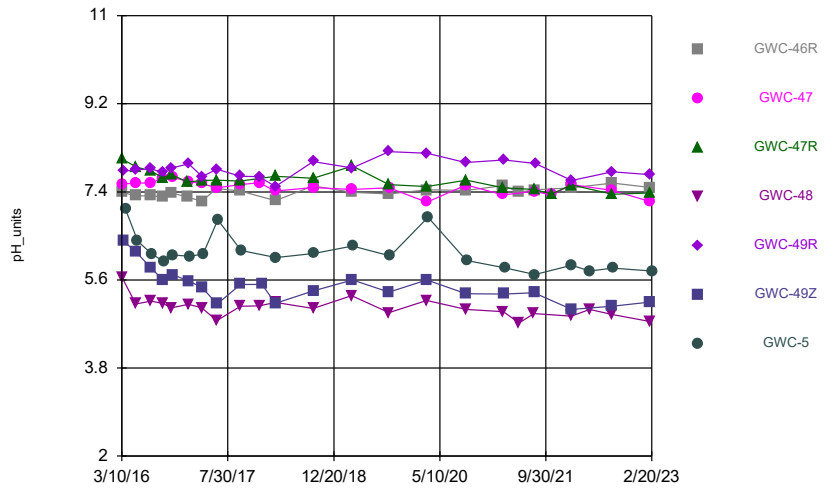
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Time Series



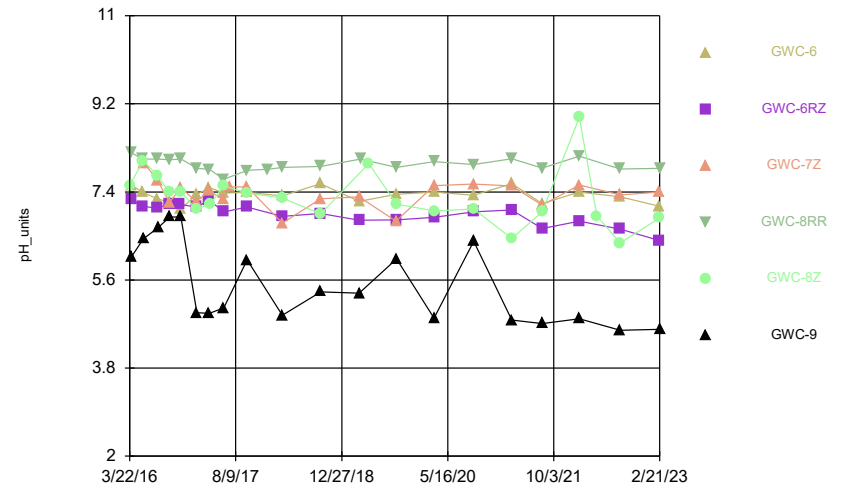
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Time Series



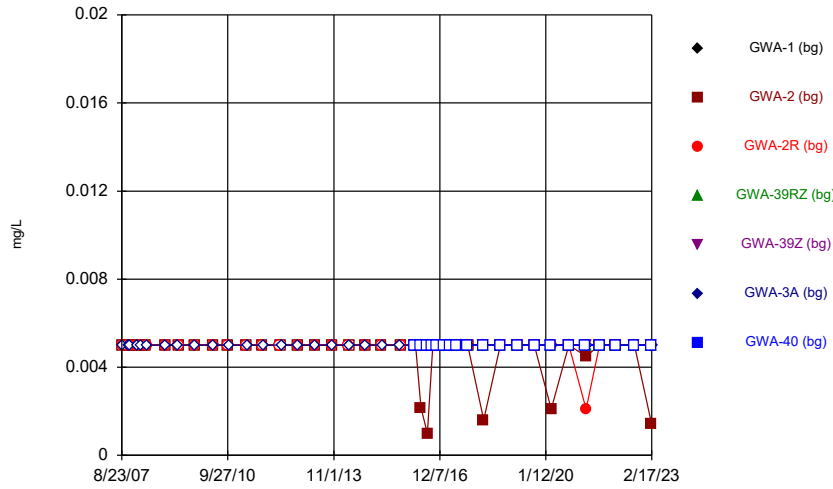
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Time Series



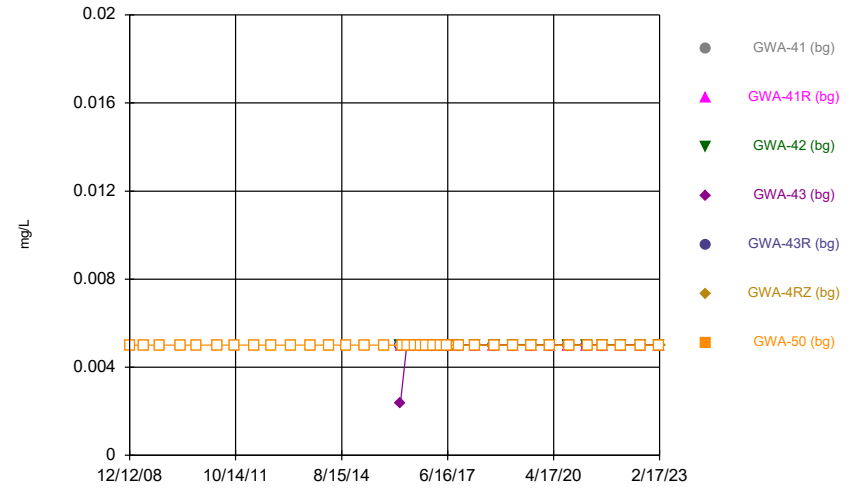
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Time Series



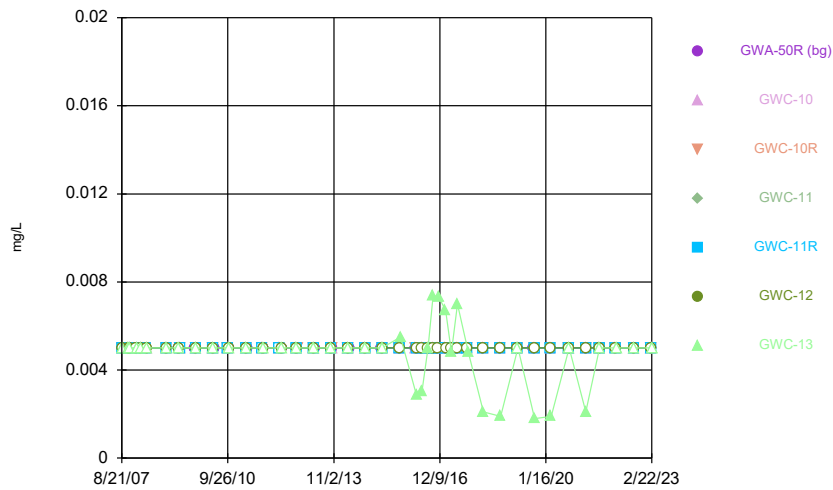
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Time Series



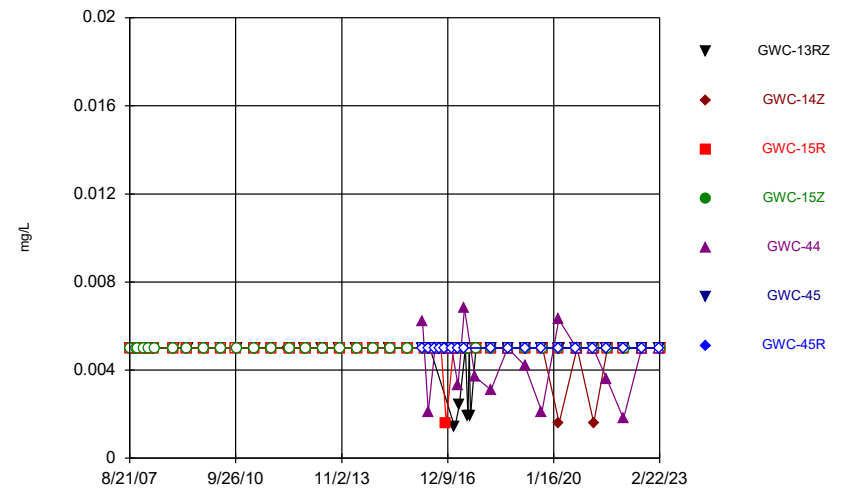
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Time Series



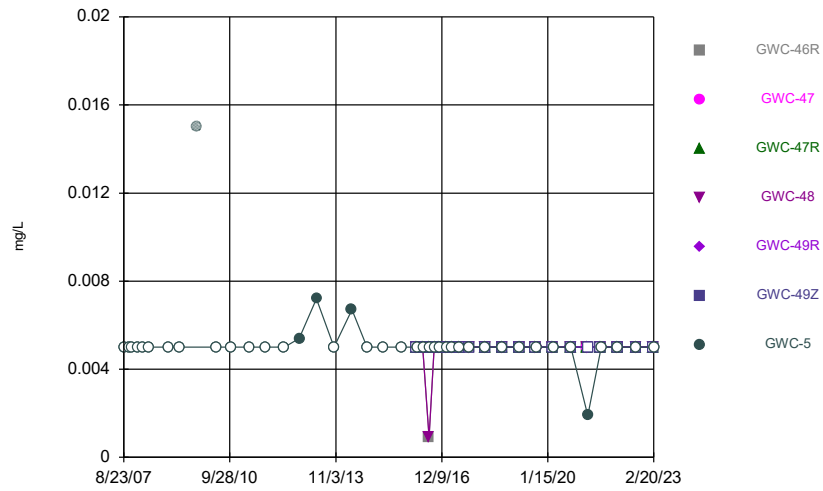
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Time Series



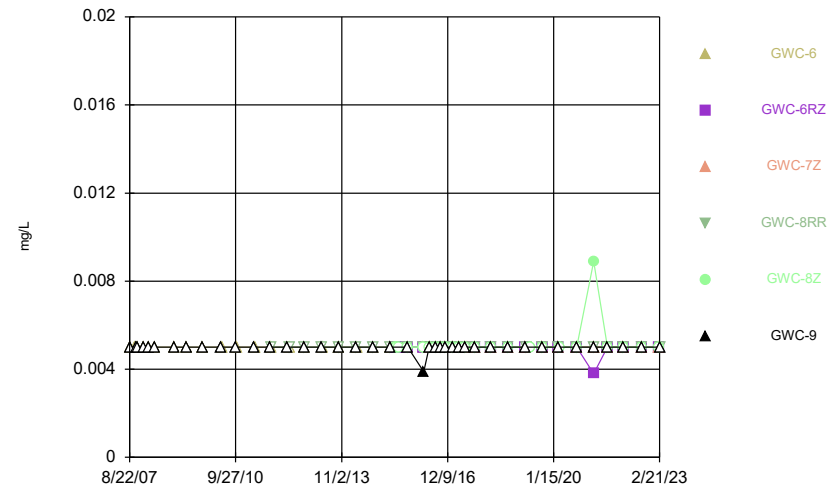
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Time Series



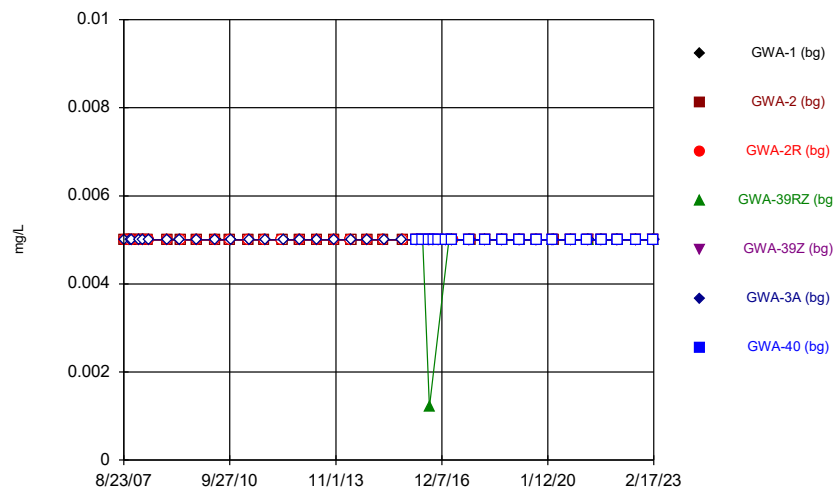
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Time Series



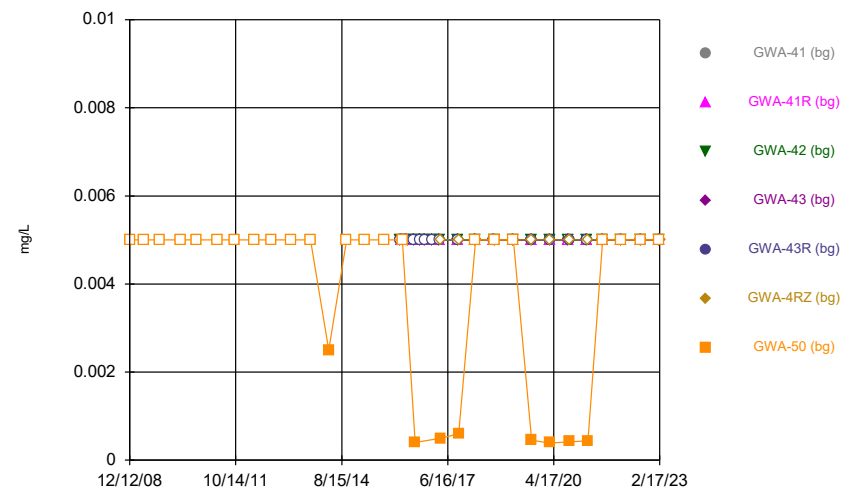
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Time Series



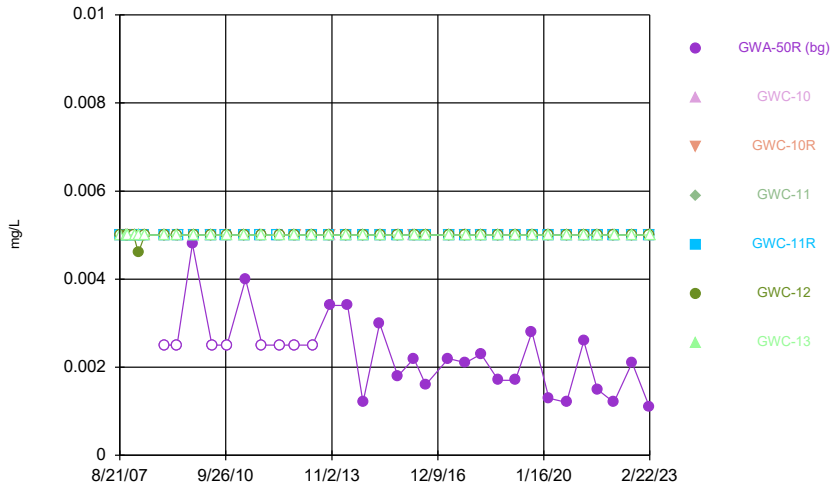
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Time Series



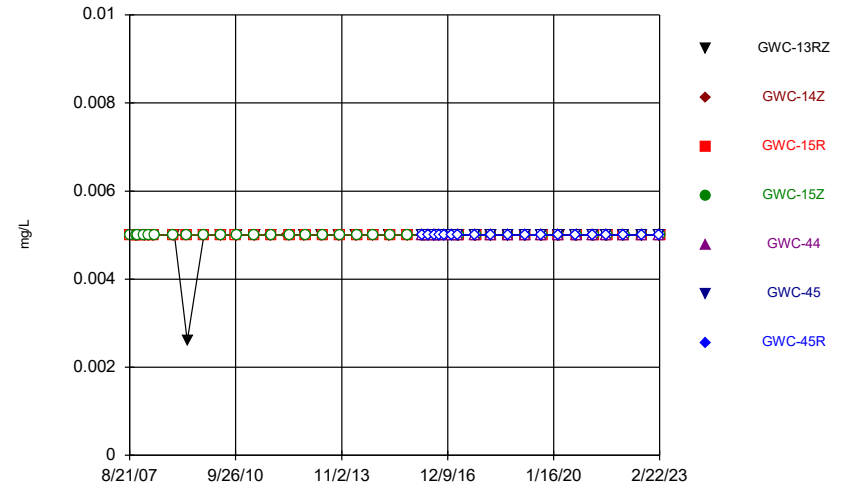
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Time Series



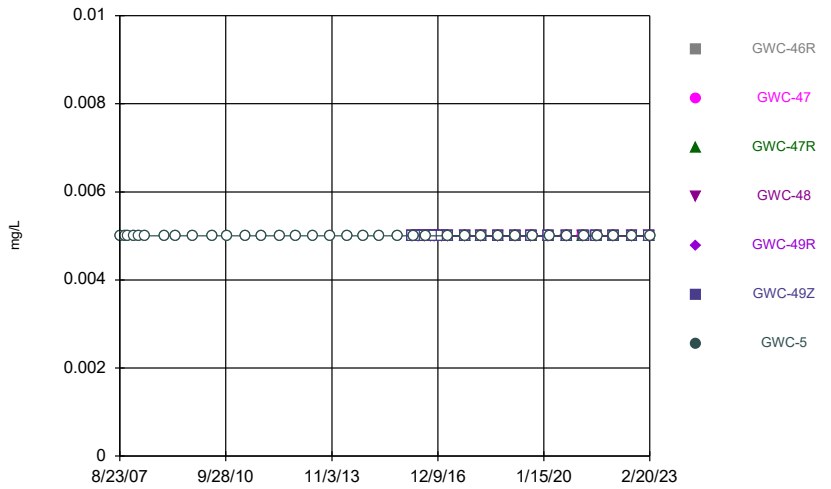
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Time Series



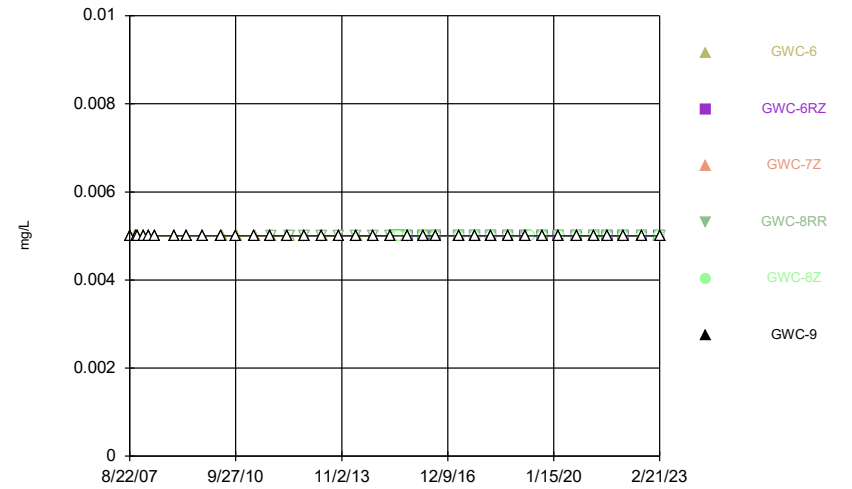
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Time Series



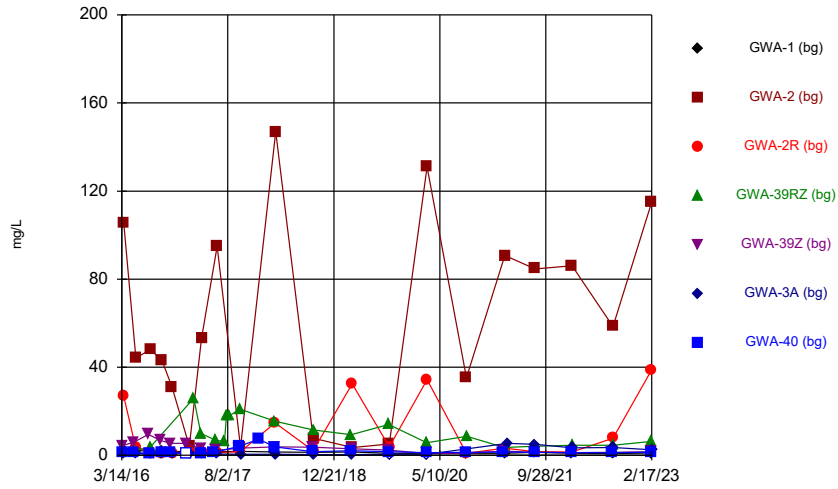
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Time Series



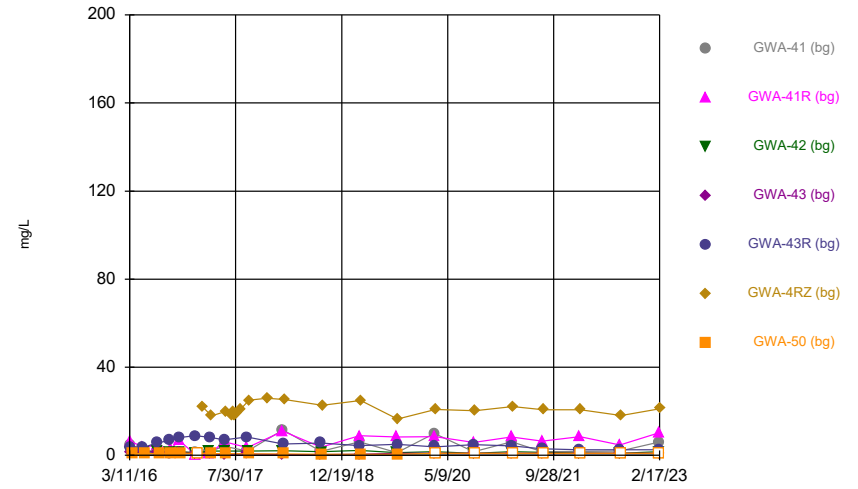
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Time Series



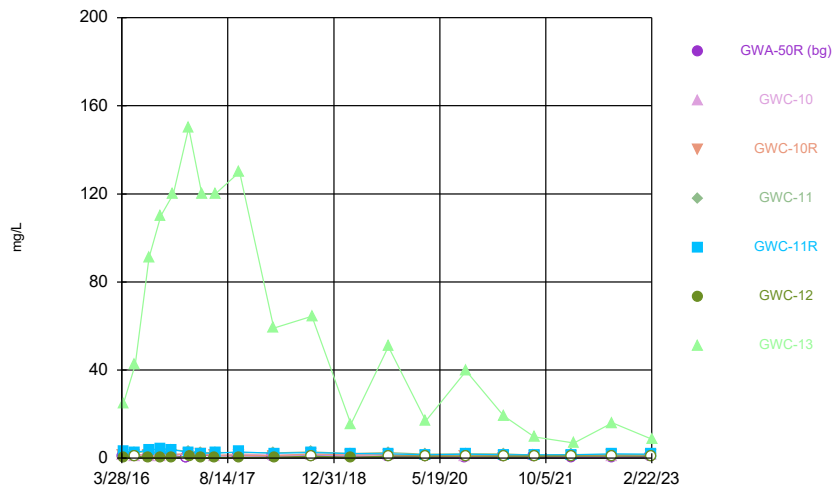
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Time Series



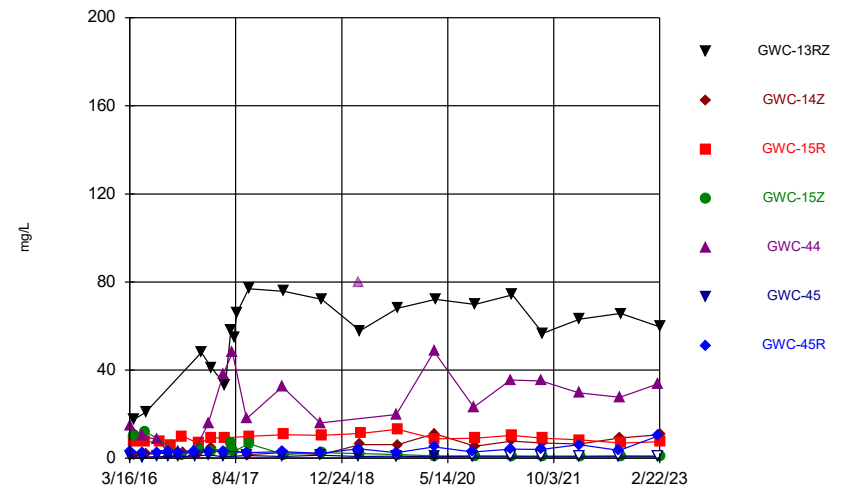
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Time Series



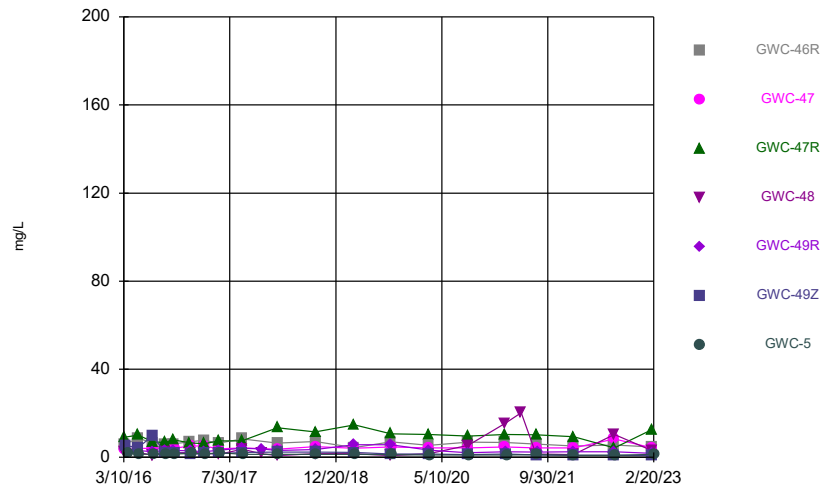
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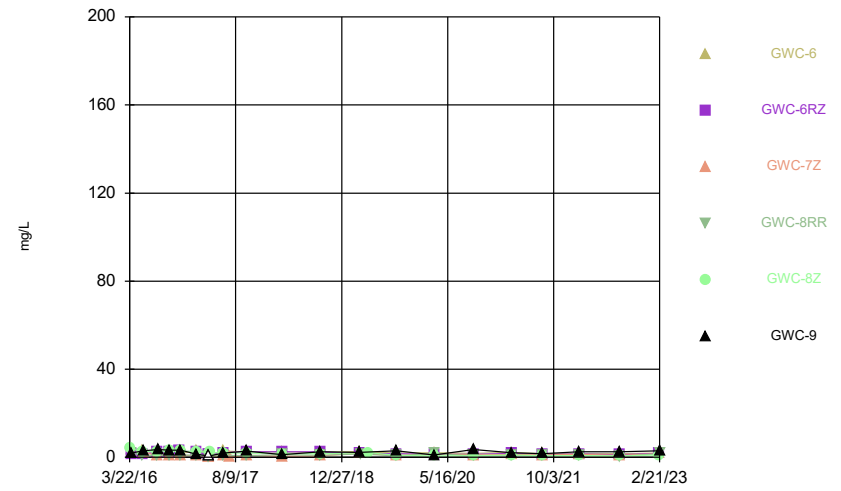
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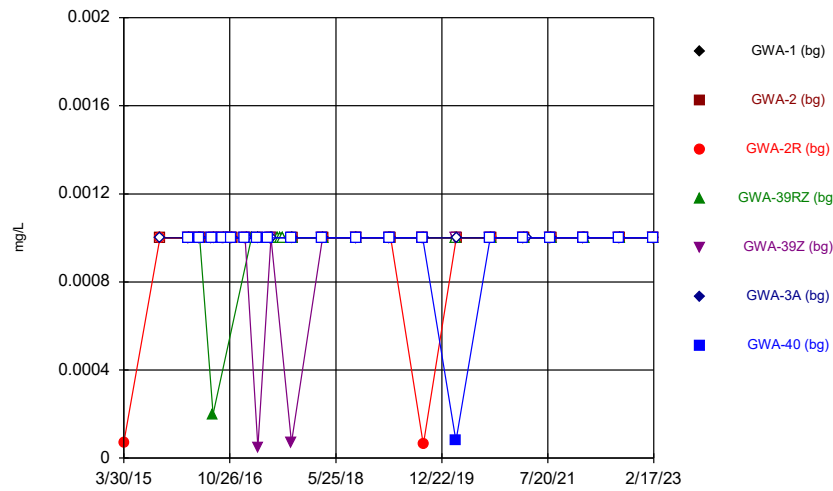
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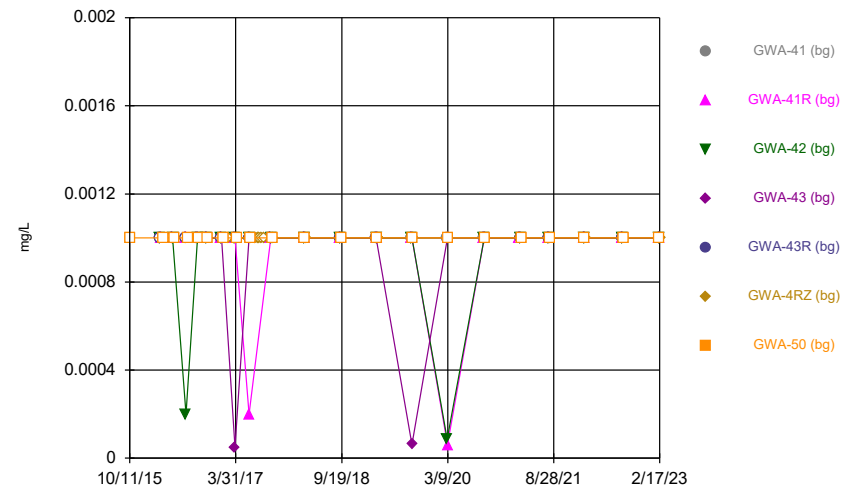
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Time Series



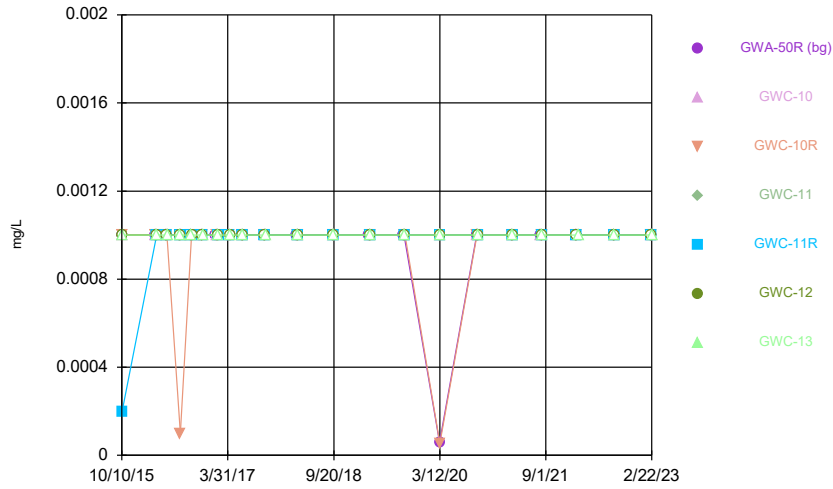
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Time Series



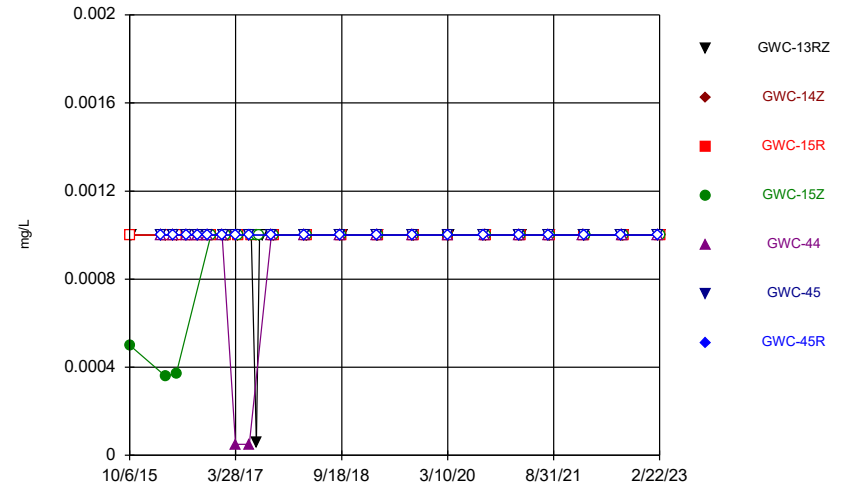
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Time Series



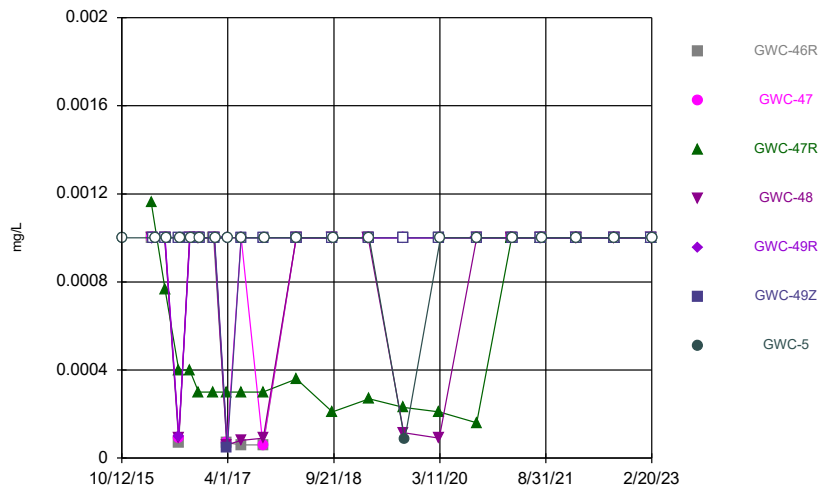
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Time Series



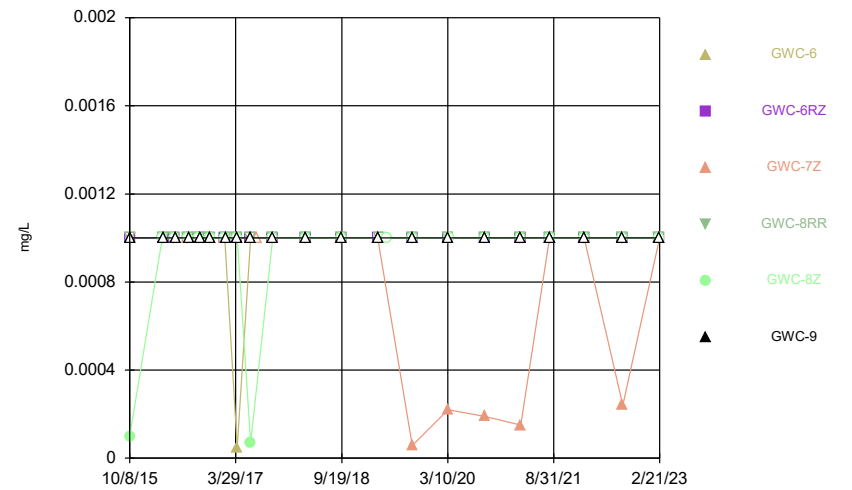
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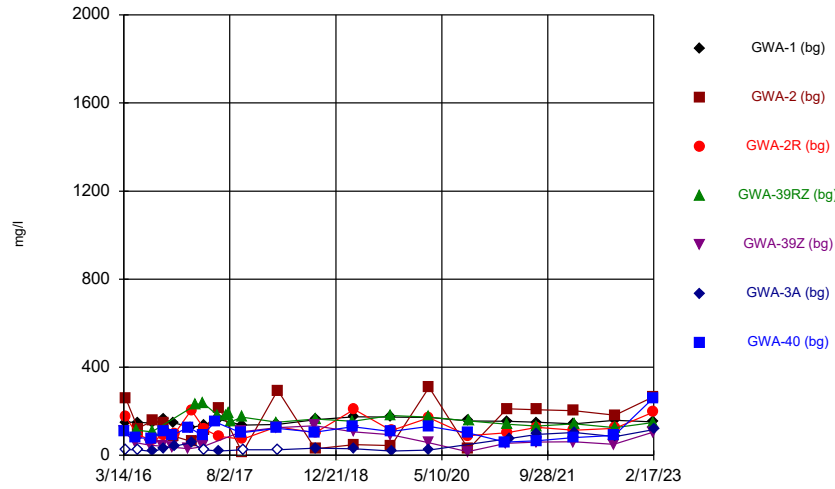
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Time Series



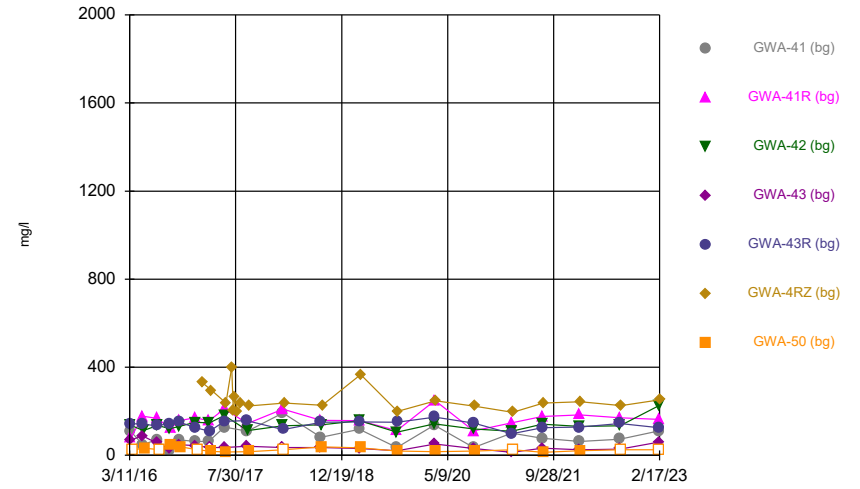
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Time Series



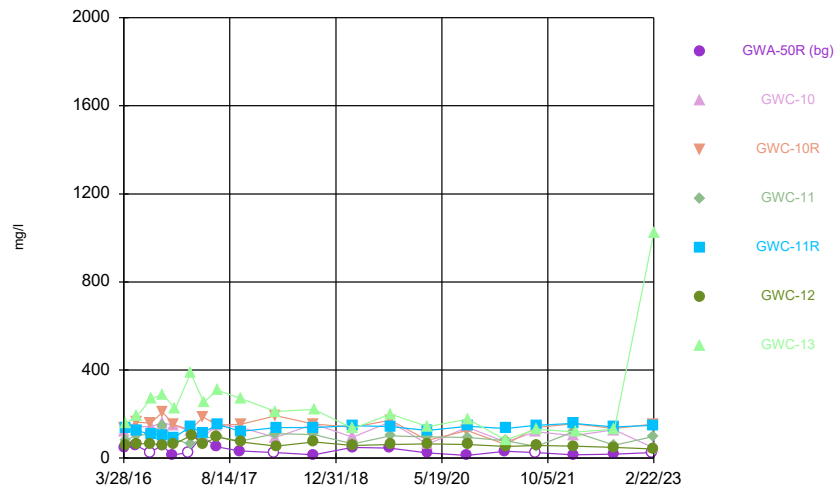
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Time Series



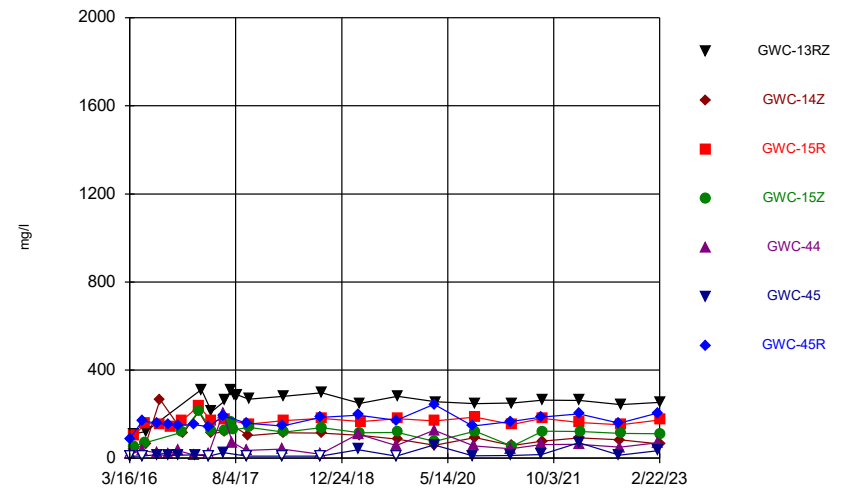
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Time Series



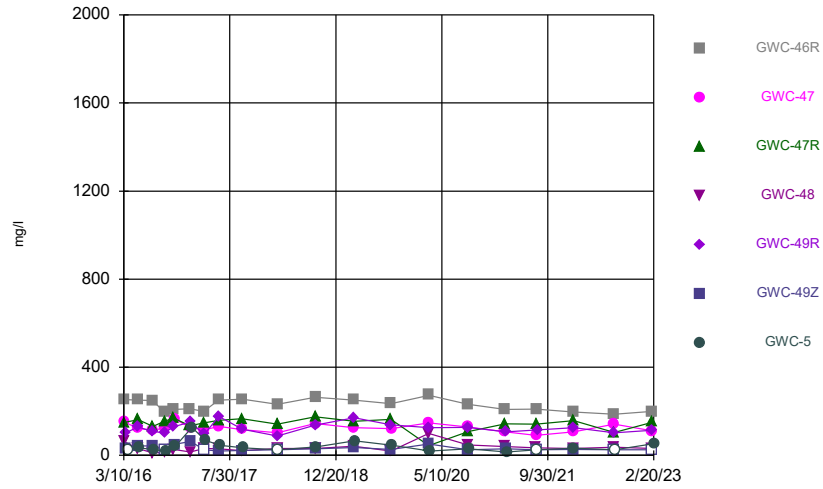
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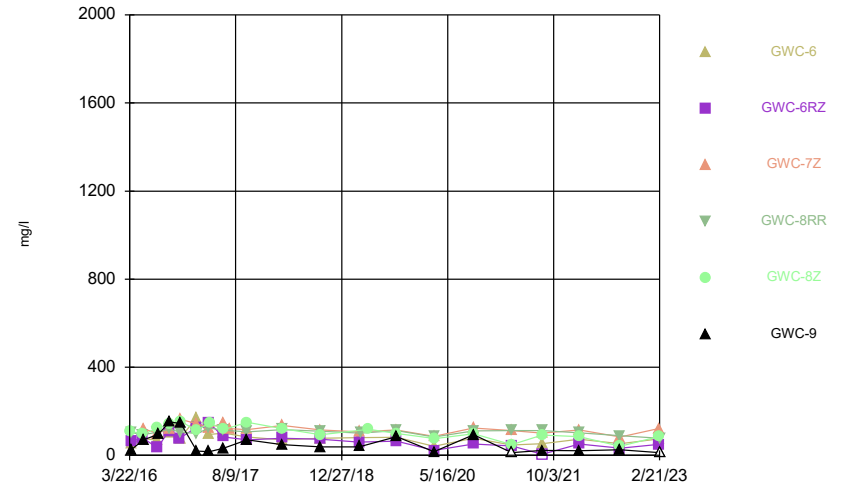
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Time Series



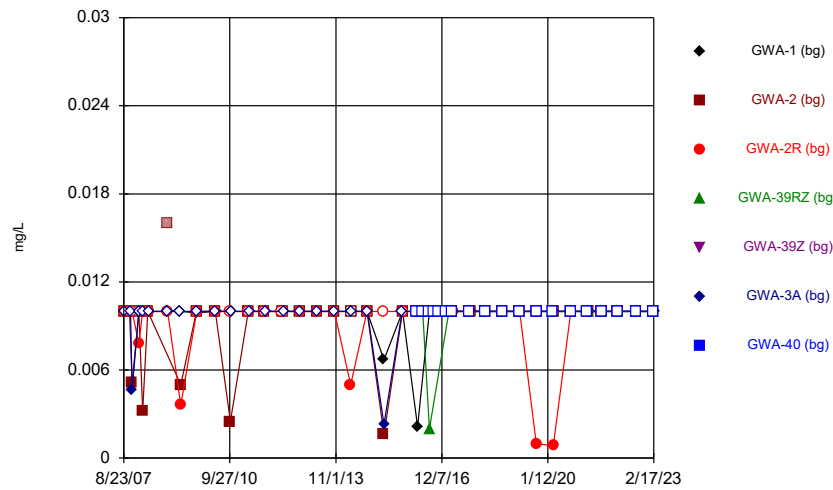
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Time Series



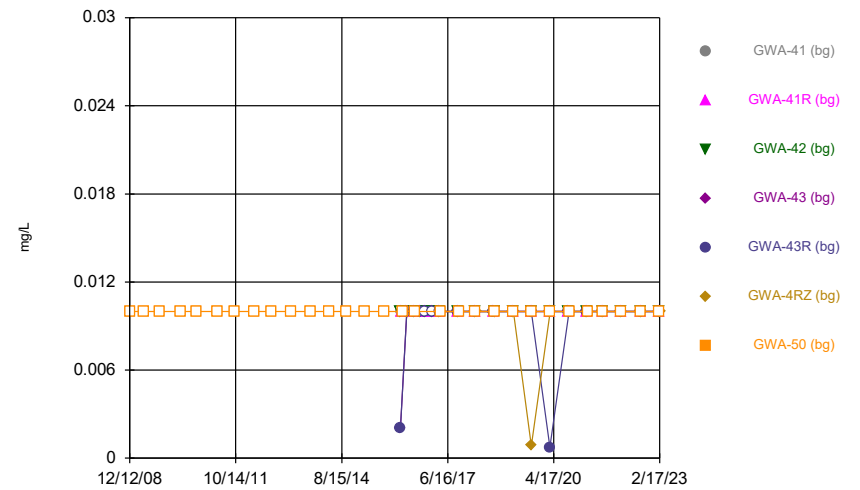
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Time Series



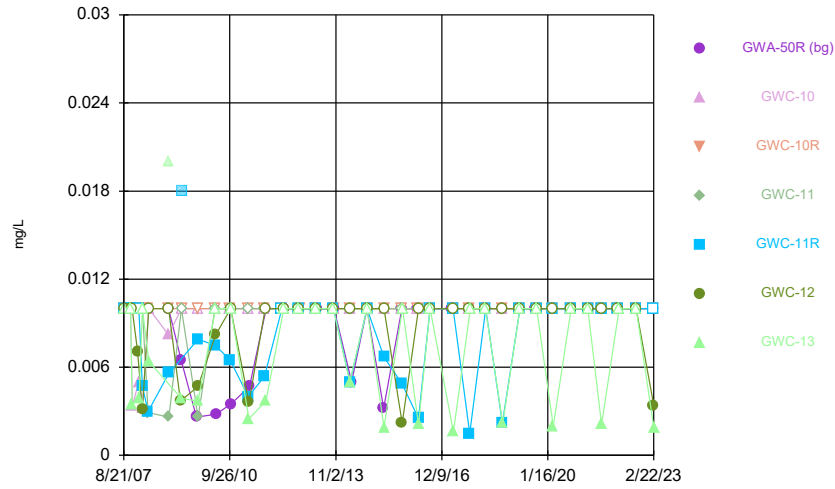
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Time Series



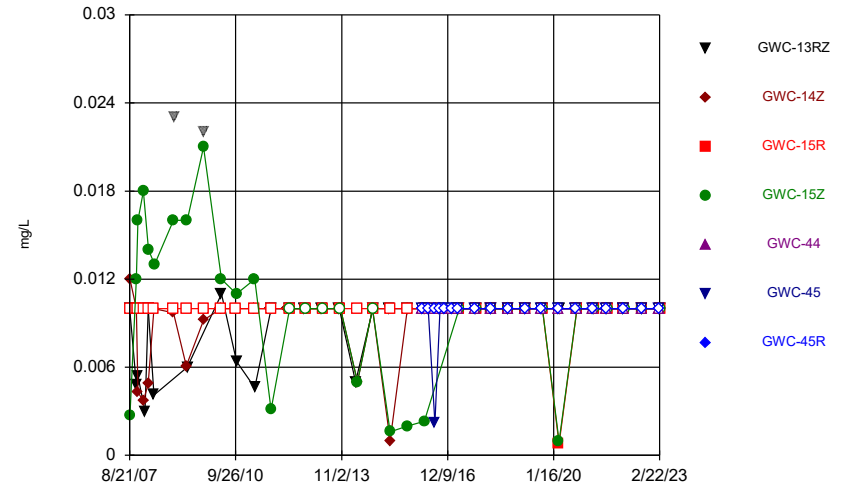
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Time Series



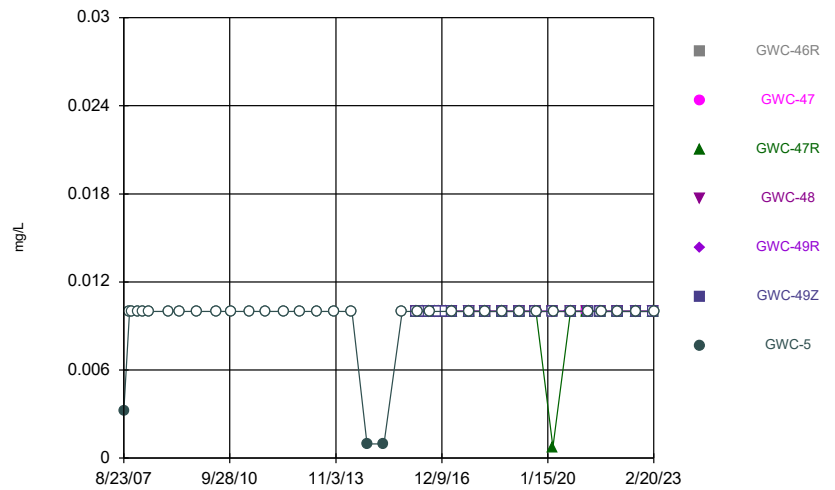
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Time Series



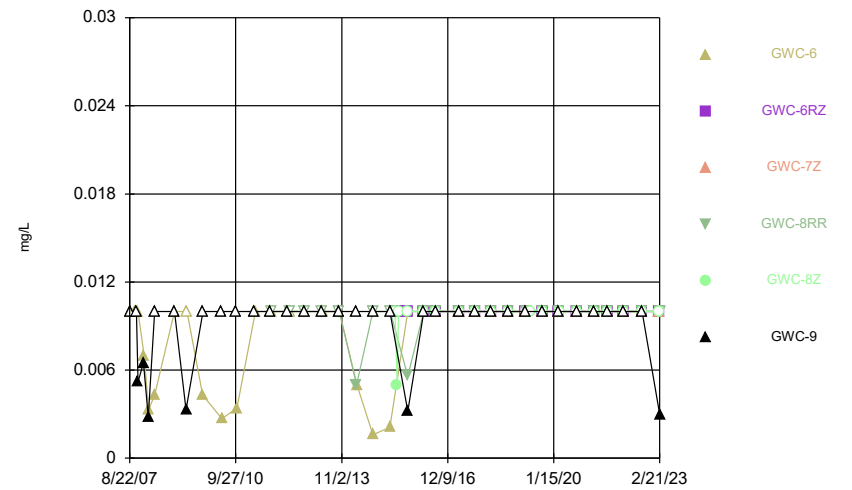
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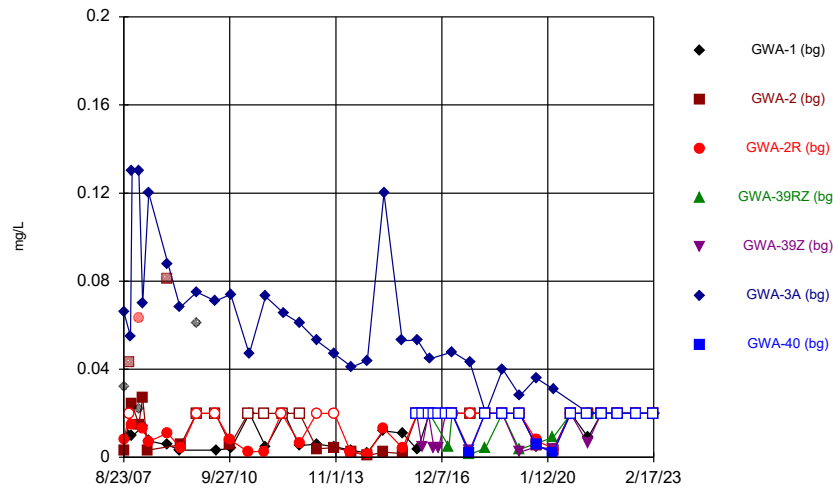
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



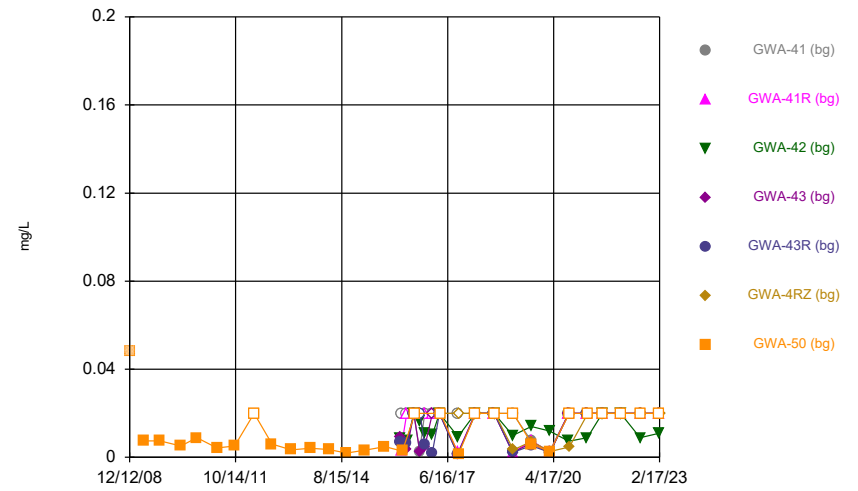
Constituent: Vanadium Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



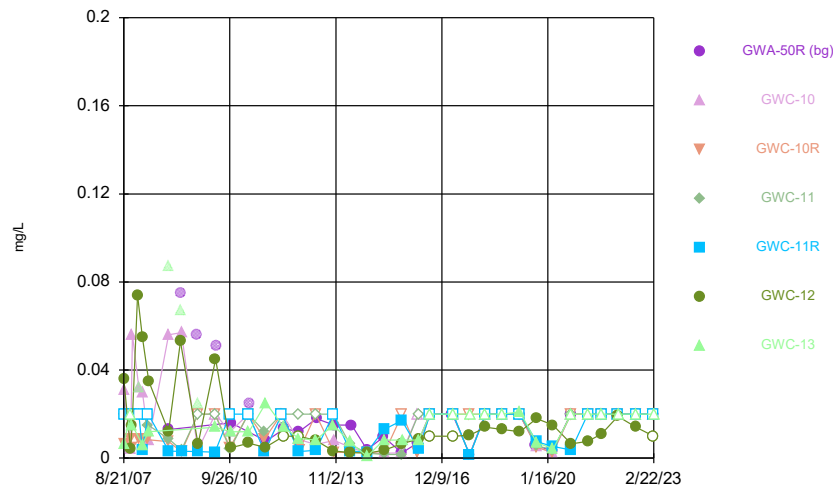
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



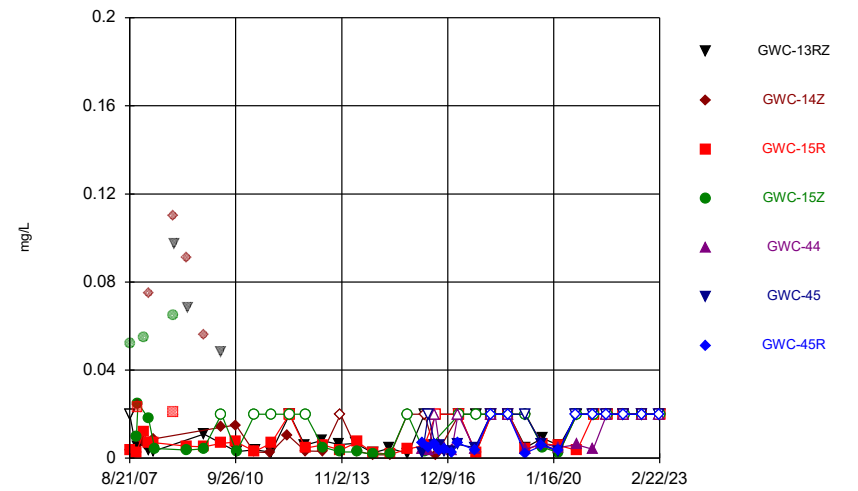
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



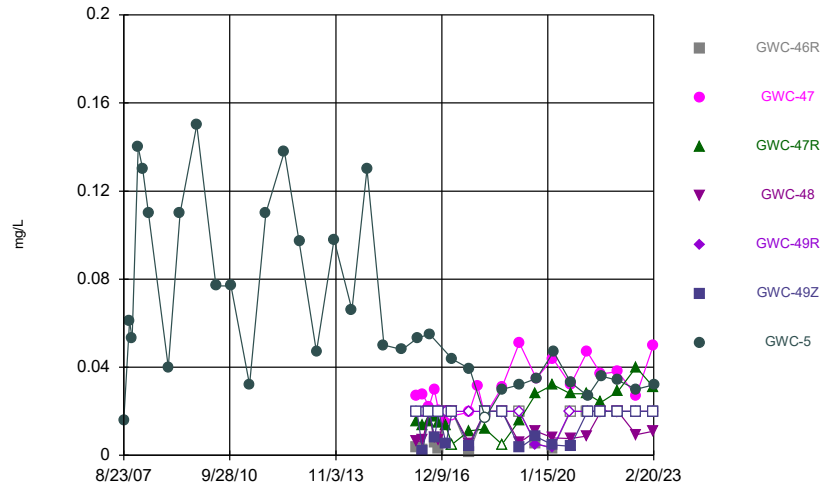
Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

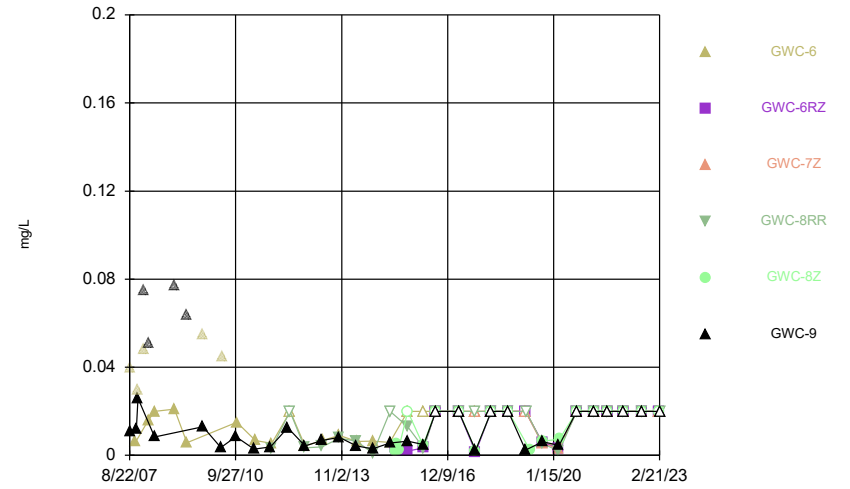


Constituent: Zinc Analysis Run 3/31/2023 12:04 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Time Series



Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.003	<0.003	<0.003			<0.003	
10/23/2007	<0.003						
10/24/2007		<0.003	<0.003				
11/2/2007						<0.003	
11/18/2007	<0.003	<0.003	<0.003			<0.003	
1/30/2008	<0.003						
1/31/2008		<0.003	<0.003			<0.003	
3/10/2008	<0.003		<0.003				
3/11/2008		<0.003				<0.003	
5/6/2008		<0.003					
5/13/2008	<0.003		<0.003				
5/14/2008						<0.003	
12/4/2008		<0.003	<0.003				
12/5/2008	<0.003					<0.003	
4/15/2009	<0.003					<0.003	
4/21/2009		<0.003	<0.003				
10/7/2009	<0.003	<0.003					
10/8/2009			<0.003			<0.003	
4/21/2010			<0.003				
4/26/2010		<0.003					
4/28/2010						<0.003	
5/3/2010	<0.003						
9/28/2010			<0.003				
10/4/2010		<0.003					
10/6/2010						<0.003	
10/12/2010	<0.003						
4/12/2011			<0.003				
4/13/2011		<0.003					
4/21/2011						<0.003	
4/27/2011	<0.003						
10/4/2011			<0.003				
10/5/2011		<0.003					
10/13/2011						<0.003	
10/17/2011	0.0054						
4/3/2012			0.0053				
4/11/2012		<0.003					
5/1/2012						<0.003	
5/2/2012	<0.003						
10/8/2012	<0.003						
10/9/2012		<0.003	<0.003			<0.003	
4/11/2013			0.0075			<0.003	
4/12/2013	0.0058						
4/15/2013		<0.003					
10/15/2013		<0.003					
10/16/2013	0.01		<0.003			<0.003	
4/10/2014			0.0081				
4/11/2014	0.005 (J)						
4/22/2014		<0.003					
4/23/2014						<0.003	
9/30/2014	0.0068	<0.003	0.0022 (J)				
10/4/2014						0.0031 (J)	
3/30/2015	0.0074	<0.003	0.011				

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0068	
10/12/2015						<0.003	
10/13/2015	0.017 (O)	<0.003	0.0045 (J)				
3/14/2016					<0.003		
3/15/2016							<0.003
3/22/2016	0.00567						
3/23/2016		<0.003	0.00281 (J)			0.0035	
5/11/2016					0.000839 (J)		<0.003
5/16/2016				<0.003 (D)			
5/19/2016	0.00319		0.00264 (J)				
5/20/2016		<0.003					
5/23/2016						<0.003	
7/19/2016					0.0024 (J)		
7/21/2016							<0.003
7/27/2016				0.0003 (JD)			
7/29/2016	0.0025 (J)	<0.003	0.0069			0.0029 (J)	
9/15/2016					0.0009 (J)		<0.003
9/22/2016			0.0066			0.0041	
9/23/2016	0.0051	<0.003					
11/2/2016					0.001 (J)		
11/3/2016							0.0021 (J)
11/9/2016	0.0097 (J)	<0.003					
11/10/2016			<0.003			0.0048 (J)	
1/17/2017							<0.003
1/18/2017					0.0017 (J)		
1/30/2017	0.0032						
1/31/2017		<0.003	0.0064			<0.003	
2/21/2017				0.0057			
3/24/2017							<0.003
3/27/2017				0.0013 (JD)			
3/28/2017					0.0006 (J)		
3/30/2017	0.0028 (J)	<0.003				0.001 (J)	
4/3/2017			0.0049				
5/24/2017							<0.003
6/7/2017					0.0003 (J)		
6/8/2017				<0.003 (*)			
6/9/2017	<0.003		<0.003				
6/12/2017		<0.003				<0.003	
7/17/2017				0.005 (D)			
7/27/2017				0.0033			
8/9/2017				0.0012 (J)			
9/26/2017					<0.003		<0.003
9/29/2017				0.0013 (JD)			
10/2/2017	0.0014 (J)	<0.003	0.0045				
10/4/2017						0.0009 (J)	
3/14/2018					<0.003		<0.003
3/16/2018	0.0014 (J)		0.021 (O)	0.0078			
3/19/2018		<0.003				0.0019 (J)	
9/12/2018					<0.003		<0.003
9/14/2018		<0.003	0.0054	0.0056			
9/17/2018	0.00105 (JD)					0.0011 (J)	
3/13/2019							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.014 (O)			
3/15/2019					<0.003		
3/19/2019			0.0019 (J)				
3/20/2019	<0.003	<0.003				0.0019 (J)	
9/9/2019					0.00079 (J)		<0.003
9/12/2019	0.0037	<0.003 (D)					
9/13/2019			0.0044			0.0013 (J)	
3/9/2020				0.0013 (J)	0.0011 (J)		<0.003
3/11/2020	0.00079 (J)	<0.003	0.002 (J)			0.0045	
9/10/2020					0.0003 (J)		
9/11/2020							<0.003
9/15/2020	0.0061	<0.003	0.0037				
9/16/2020				0.0028 (J)			
3/10/2021							<0.003
3/12/2021					0.0039		
3/16/2021	0.0014 (J)		0.005	0.00041 (J)			
3/17/2021		<0.003					
3/29/2021						<0.003	
8/4/2021					0.00083 (J)		<0.003
8/6/2021				<0.003			
8/9/2021	0.0027 (J)	<0.003	0.0033			<0.003	
1/31/2022					<0.003		0.0014 (J)
2/1/2022	0.0028 (J)	<0.003	0.0029 (J)				
2/2/2022				<0.003		<0.003	
8/10/2022					<0.003		
8/12/2022							<0.003
8/16/2022	0.0084	<0.003	0.002 (J)	0.001 (J)		<0.003	
2/13/2023					0.00087 (J)		<0.003
2/14/2023				0.0019 (J)			
2/16/2023	0.016	<0.003	0.0048				
2/17/2023						<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.003
4/23/2009							<0.003
10/6/2009							<0.003
4/27/2010							<0.003
9/30/2010							<0.003
4/14/2011							<0.003
10/5/2011							<0.003
4/11/2012							<0.003
10/2/2012							<0.003
4/9/2013							<0.003
10/15/2013							<0.003
4/10/2014							<0.003
10/1/2014							<0.003
3/30/2015							<0.003
10/11/2015							<0.003
3/11/2016			<0.003	<0.003	<0.003		
3/15/2016	<0.003	<0.003					
3/28/2016							0.00139 (J)
5/12/2016	<0.003						
5/13/2016		<0.003		<0.003	<0.003		
5/16/2016			<0.003				
5/23/2016							0.000677 (J)
7/19/2016				<0.003 (*)	<0.003		
7/20/2016	<0.003						
7/21/2016		<0.003 (*)					
7/22/2016			0.002 (J)				
8/1/2016							<0.003
9/15/2016	<0.003						
9/16/2016				<0.003	<0.003		
9/19/2016			<0.003				
9/21/2016		<0.003					
9/26/2016							<0.003
11/2/2016				<0.003	<0.003		
11/3/2016	<0.003	<0.003	<0.003				
11/10/2016							<0.003
1/17/2017		<0.003	<0.003				
1/18/2017	<0.003			<0.003	0.0013 (J)		
1/30/2017							<0.003
2/22/2017						0.0018 (J)	
3/24/2017	<0.003						
3/27/2017		0.0008 (J)	<0.003				
3/28/2017				<0.003	<0.003		
4/7/2017						0.0008 (J)	<0.003
6/6/2017	<0.003	<0.003		<0.003	0.0007 (J)		
6/7/2017			<0.003				
6/12/2017							<0.003
6/14/2017						0.00205 (JD)	
7/12/2017						0.0015 (JD)	
7/20/2017						<0.003 (D)	
7/28/2017						<0.003	
8/9/2017						<0.003	
8/24/2017						0.0007 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.003	0.0012 (J)		
9/25/2017	<0.003	0.0035					
9/26/2017			<0.003				
10/2/2017							<0.003
10/3/2017						<0.003 (D)	
3/14/2018	<0.003	<0.003	<0.003	<0.003			
3/15/2018					<0.003		
3/16/2018							<0.003
3/21/2018						<0.003	
9/12/2018	<0.003	0.003		<0.003	<0.003		
9/14/2018			<0.003				
9/17/2018							<0.003
9/18/2018						<0.003	
3/13/2019				<0.003	<0.003		
3/14/2019	<0.003	<0.003	<0.003				
3/19/2019							<0.003
3/21/2019						<0.003 (D)	
9/10/2019	<0.003 (D)	0.0029 (J)	<0.003				
9/11/2019				<0.003	0.00029 (J)		
9/12/2019						0.00052 (JD)	
9/13/2019							<0.003
3/6/2020	<0.003		<0.003				
3/9/2020		0.0037		0.00062 (J)	0.00037 (J)		
3/11/2020							0.0005 (J)
3/12/2020						0.0017 (J)	
9/10/2020	<0.003	0.0019 (J)	<0.003				
9/11/2020				<0.003			
9/14/2020					<0.003		
9/16/2020							<0.003
9/17/2020						0.00087 (J)	
3/10/2021		0.00037 (J)					
3/11/2021	0.00038 (J)		<0.003	<0.003	0.00074 (J)		
3/16/2021						0.00082 (J)	
3/17/2021							<0.003
8/4/2021	<0.003	<0.003	<0.003				
8/5/2021					<0.003		
8/6/2021				<0.003			
8/9/2021							<0.003
8/10/2021						0.0013 (J)	
1/31/2022	<0.003	0.0011 (J)	<0.003	<0.003	<0.003		
2/1/2022							0.0015 (J)
2/3/2022						<0.003	
8/10/2022			<0.003		<0.003		
8/11/2022	<0.003	<0.003		<0.003			
8/16/2022							<0.003
8/17/2022						<0.003	
2/13/2023	<0.003	0.0045	<0.003		<0.003		
2/14/2023				<0.003			
2/16/2023							<0.003
2/17/2023						<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2007		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/18/2007				<0.003	<0.003		
11/19/2007						<0.003	<0.003
11/20/2007		<0.003	<0.003				
1/16/2008						<0.003	
1/30/2008		<0.003	<0.003	<0.003	<0.003		
1/31/2008							<0.003
3/5/2008				<0.003		<0.003	<0.003
3/6/2008		<0.003	<0.003		<0.003		
5/7/2008				<0.003	<0.003		
5/8/2008			<0.003				
5/12/2008		<0.003					<0.003
5/13/2008						<0.003	
12/12/2008	<0.003						
12/13/2008		<0.003				<0.003	<0.003
12/14/2008			<0.003	<0.003	<0.003		
4/16/2009						<0.003	
4/23/2009	<0.003						
4/28/2009							<0.003
4/29/2009		<0.003	<0.003	<0.003	<0.003		
10/6/2009	<0.003						
10/20/2009		<0.003					
10/21/2009			<0.003			<0.003	<0.003
10/22/2009				<0.003	<0.003		
4/21/2010			<0.003	<0.003	<0.003		
4/26/2010		<0.003					
4/27/2010						<0.003	
4/28/2010							<0.003
5/3/2010	<0.003						
9/28/2010			<0.003	<0.003			
9/29/2010		<0.003			<0.003		
10/5/2010						<0.003	<0.003
10/11/2010	<0.003						
4/12/2011			<0.003	<0.003			
4/13/2011		<0.003			<0.003		
4/19/2011						<0.003	<0.003
4/27/2011	<0.003						
10/4/2011			<0.003	<0.003	<0.003		
10/5/2011		<0.003					
10/12/2011						<0.003	
10/18/2011							<0.003
10/19/2011	<0.003						
4/3/2012			<0.003	<0.003			
4/4/2012		<0.003			<0.003		
4/24/2012						<0.003	
4/25/2012							<0.003
5/1/2012	<0.003						
10/2/2012	<0.003					<0.003	<0.003
10/3/2012		<0.003		<0.003	<0.003		
10/8/2012			<0.003				
4/2/2013						<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.003	<0.003	<0.003	<0.003		
4/10/2013	<0.003						
10/8/2013							<0.003
10/9/2013				<0.003	<0.003	<0.003	
10/15/2013		<0.003	<0.003				
10/16/2013	<0.003						
4/1/2014						<0.003	<0.003
4/2/2014				<0.003	<0.003		
4/9/2014		<0.003	<0.003				
4/22/2014	<0.003						
10/1/2014	<0.003						<0.003
10/2/2014		<0.003	<0.003	<0.003	0.0044 (J)	<0.003	
3/30/2015	<0.003						
4/1/2015				<0.003	0.0087	<0.003	<0.003
4/2/2015		<0.003	<0.003				
10/10/2015		<0.003					
10/11/2015	<0.003			<0.003	0.007		
10/12/2015			<0.003				
10/14/2015						<0.003	
10/15/2015							<0.003
3/28/2016	<0.003						
3/31/2016		<0.003	<0.003				
4/4/2016				<0.003	0.00252 (J)	<0.003	<0.003
5/25/2016	<0.003						
5/26/2016		<0.003	0.000659 (J)	0.000722 (J)	0.00351		
5/27/2016						<0.003	
5/31/2016							<0.003
8/1/2016	<0.003						
8/3/2016			<0.003	<0.003		<0.003	
8/4/2016					<0.003		<0.003
8/5/2016		<0.003					
9/26/2016	<0.003						
9/28/2016		<0.003	0.0037 (O)	<0.003	0.0012 (J)		
9/29/2016							<0.003
9/30/2016						<0.003	
11/11/2016	<0.003						
11/22/2016		<0.003	<0.003	<0.003	0.0042	<0.003	
11/28/2016							<0.003
1/30/2017	<0.003						
2/7/2017		<0.003	<0.003				
2/8/2017				<0.003	<0.003		
2/9/2017							<0.003
2/13/2017						<0.003	
4/3/2017	<0.003						
4/10/2017		<0.003	<0.003	<0.003	<0.003		
4/11/2017						<0.003	
4/12/2017							<0.003
6/12/2017	<0.003						
6/14/2017		<0.003	<0.003			<0.003	
6/15/2017				<0.003	<0.003		
6/16/2017							<0.003
10/2/2017	<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003	
10/9/2017							<0.003
3/16/2018	<0.003						
3/20/2018		<0.003					
3/21/2018			<0.003	<0.003			<0.003
3/22/2018					<0.003	<0.003	
9/18/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
9/19/2018							<0.003
3/19/2019	<0.003						
3/22/2019		<0.003	<0.003				
3/23/2019				0.00094 (J)	<0.003	<0.003	<0.003
9/12/2019	<0.003						
9/17/2019		<0.003	<0.003	0.00041 (J)	0.0013 (J)	<0.003 (D)	
9/18/2019							0.0012 (J)
3/11/2020	<0.003						
3/12/2020		<0.003	<0.003	0.0013 (J)	0.001 (J)	<0.003	
3/13/2020							0.0023 (J)
9/15/2020	0.00048 (J)						
9/17/2020		<0.003	<0.003				
9/21/2020				0.00091 (J)	0.0053	<0.003	
9/22/2020							<0.003
3/17/2021	<0.003						
3/18/2021		<0.003	<0.003				0.00078 (J)
3/19/2021				0.00032 (J)	0.012	<0.003	
5/26/2021					0.0037		
8/9/2021	<0.003						
8/10/2021		<0.003					
8/11/2021			<0.003	<0.003	<0.003	<0.003	0.0019 (J)
2/2/2022	<0.003					<0.003	
2/4/2022		<0.003	0.0016 (J)	<0.003	<0.003		
2/17/2022							<0.003
8/17/2022	<0.003	<0.003					
8/18/2022			<0.003	<0.003	<0.003	<0.003	<0.003
2/16/2023	<0.003						
2/20/2023		<0.003	<0.003	<0.003	<0.003		
2/21/2023						0.0017 (J)	
2/22/2023							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.003						
8/23/2007			<0.003				
8/24/2007		0.005		<0.003			
11/1/2007	<0.003						
11/2/2007		<0.003	<0.003	<0.003			
11/17/2007		<0.003	<0.003				
11/18/2007				<0.003			
11/19/2007	<0.003						
1/15/2008		<0.003	<0.003	<0.003			
1/31/2008	<0.003						
3/5/2008	<0.003	<0.003					
3/6/2008			<0.003				
3/10/2008				<0.003			
5/7/2008	<0.003	<0.003	<0.003				
5/13/2008				<0.003			
12/2/2008		<0.003	<0.003	<0.003			
12/12/2008	<0.003						
4/16/2009		<0.003					
4/28/2009			<0.003	<0.003			
4/29/2009	<0.003						
10/19/2009			<0.003				
10/20/2009		<0.003		<0.003			
10/21/2009	<0.003						
4/20/2010		<0.003					
4/27/2010			<0.003	<0.003			
4/28/2010	<0.003						
9/29/2010		<0.003					
10/4/2010			<0.003				
10/5/2010				<0.003			
10/6/2010	<0.003						
4/12/2011		<0.003					
4/18/2011			<0.003				
4/19/2011				<0.003			
4/20/2011	<0.003						
10/4/2011		<0.003					
10/12/2011	<0.003		0.0052	<0.003			
4/4/2012		<0.003					
4/23/2012			<0.003				
4/25/2012	<0.003			<0.003			
10/2/2012	<0.003						
10/10/2012		<0.003	<0.003	<0.003			
4/2/2013	0.007 (O)						
4/15/2013		<0.003	<0.003				
4/16/2013				0.0053			
10/8/2013	0.01 (O)						
10/22/2013		<0.003	<0.003	<0.003			
4/1/2014	0.011 (O)						
4/21/2014		<0.003	0.005 (J)	0.005 (J)			
9/30/2014		<0.003	0.0024 (J)	<0.003			
10/1/2014	0.018 (O)						
3/31/2015	0.011 (O)						
4/3/2015		<0.003	0.0072	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0025 (J)			
10/7/2015		<0.003	0.0045 (J)				
10/14/2015	0.0083 (O)						
3/16/2016					0.00108 (J)	<0.003	0.00426
4/4/2016	0.00447						
4/5/2016		<0.003	0.00727	0.00105 (J)			
5/16/2016					<0.003	0.00109 (J)	0.00267 (JD)
5/31/2016			0.00649	0.00088 (J)			
6/1/2016	0.00377	0.000895 (J)					
7/25/2016					<0.003 (*)	0.00185 (J*D)	0.0017 (JD)
8/4/2016			0.0038				
8/9/2016		0.0017 (JD)					
9/19/2016					<0.003	<0.003 (D)	<0.003 (D)
9/29/2016			0.0106				
11/3/2016					<0.003		0.0017 (JD)
11/4/2016						<0.003 (D)	
11/23/2016			0.0098	<0.003			
11/28/2016		<0.003					
1/19/2017					<0.003		
1/20/2017							0.001 (JD)
1/23/2017						<0.003 (D)	
2/9/2017		<0.003					
2/10/2017			0.0014 (J)	<0.003			
2/22/2017	0.0044						
3/28/2017					<0.003		
3/29/2017						0.0018 (JD)	0.001 (JD)
4/11/2017	0.0019 (J)	<0.003		<0.003			
4/12/2017			0.0026 (J)				
6/5/2017					<0.003		
6/7/2017						0.0009 (J)	0.0009 (J)
6/14/2017		0.0006 (J)					
6/15/2017			<0.003	<0.003			
6/16/2017	<0.003						
7/12/2017	0.0018 (J)	<0.003		<0.003			
7/26/2017				<0.003			
7/28/2017	0.0011 (J)						
8/10/2017	0.0012 (J)						
9/26/2017					<0.003		
9/27/2017						0.0111 (O)	0.0012 (J)
10/5/2017		<0.003					
10/6/2017	0.0013 (J)		0.0008 (J)	<0.003			
12/29/2017						0.0012 (Y)	
3/15/2018					<0.003	0.00086 (J)	<0.003
3/22/2018		<0.003					
3/23/2018	0.0015 (J)		0.001 (J)	0.00089 (J)			
9/12/2018					<0.003		
9/13/2018						0.0029 (J)	<0.003
9/19/2018		<0.003	0.0011 (J)	<0.003			
9/20/2018	0.0013 (J)						
3/14/2019					<0.003	0.0015 (JD)	<0.003 (D)
3/22/2019	0.0014 (J)	<0.003		<0.003			
3/25/2019			<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/11/2019					<0.003	0.014 (O)	<0.003 (D)
9/17/2019		<0.003	0.0017 (J)	<0.003			
9/18/2019	0.00077 (X)						
3/10/2020					<0.003	0.00087 (J)	<0.003
3/13/2020		0.00053 (J)	0.00056 (J)	<0.003			
3/17/2020	0.0009 (J)						
9/11/2020						0.0076	0.00043 (J)
9/15/2020					<0.003		
9/21/2020		<0.003	0.0021 (J)	<0.003			
9/22/2020	0.00079 (J)						
12/15/2020						0.0014 (J)	
3/11/2021					<0.003	0.00062 (J)	<0.003
3/18/2021		<0.003	0.00045 (J)	<0.003			
3/19/2021	0.0011 (J)						
8/4/2021					<0.003		
8/6/2021						0.0017 (J)	<0.003
8/11/2021		<0.003	<0.003	<0.003			
8/12/2021	<0.003						
1/31/2022					<0.003		
2/1/2022						0.002 (J)	<0.003
2/4/2022	<0.003	<0.003	<0.003				
2/7/2022				<0.003			
8/12/2022						0.0072	<0.003
8/15/2022					<0.003		
8/18/2022		<0.003					
8/19/2022	<0.003		0.0011 (J)	<0.003			
2/14/2023					<0.003	<0.003	<0.003
2/22/2023	<0.003	<0.003	<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.003
10/25/2007							<0.003
11/19/2007							<0.003
1/23/2008							<0.003
3/11/2008							<0.003
5/12/2008							<0.003
12/11/2008							<0.003
4/15/2009							<0.003
10/9/2009							<0.003
5/4/2010							<0.003
10/12/2010							<0.003
4/28/2011							<0.003
10/19/2011							<0.003
5/2/2012							<0.003
10/9/2012							<0.003
4/11/2013							<0.003
10/16/2013							<0.003
4/23/2014							<0.003
10/3/2014							<0.003
3/31/2015							<0.003
10/12/2015							<0.003
3/10/2016	<0.003	<0.003	<0.003	<0.003			
3/17/2016					<0.003	<0.003	
3/28/2016							0.00104 (J)
5/17/2016	<0.003			<0.003			
5/18/2016		<0.003	0.000987 (J)		<0.003	<0.003	
5/25/2016							0.000686 (J)
7/26/2016	<0.003						
7/27/2016		0.0006 (J)	0.0008 (J)	0.0006 (J)	0.0023 (J)		
7/28/2016						<0.003	
8/1/2016							<0.003
9/20/2016	0.001 (J)	<0.003	0.0012 (J)	0.0018 (J)			
9/21/2016					0.0013 (J)	<0.003	
9/27/2016							<0.003
11/4/2016	<0.003		0.001 (J)	<0.003	<0.003		
11/7/2016		<0.003				<0.003 (*)	
11/11/2016							<0.003
1/20/2017	<0.003		0.0013 (J)				
1/23/2017		<0.003		<0.003			
1/24/2017					<0.003	0.0024 (J)	
1/31/2017							<0.003
3/28/2017	<0.003			<0.003			
3/29/2017		<0.003	0.0004 (J)		<0.003		
3/30/2017						0.0011 (J)	
4/3/2017							<0.003
6/7/2017	<0.003						
6/8/2017		<0.003	<0.003 (*)	<0.003 (*)	<0.003 (*)		
6/9/2017						<0.003 (*)	
6/12/2017							<0.003
9/27/2017		<0.003	<0.003				
9/29/2017	<0.003			<0.003	<0.003	0.0009 (J)	
10/3/2017							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.003	<0.003		<0.003	<0.003	0.0012 (J)	
3/16/2018			<0.003				
3/19/2018							<0.003
9/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003		
9/14/2018						0.00083 (J)	
9/17/2018							<0.003
3/15/2019		<0.003		<0.003			
3/18/2019	<0.003				<0.003		
3/19/2019			<0.003			0.0011 (J)	
3/20/2019							<0.003
9/11/2019	<0.003		0.00099 (J)	<0.003 (D)	0.0032	0.00065 (J)	
9/12/2019		<0.003					
9/16/2019							<0.003
3/9/2020		0.00032 (J)	0.00056 (J)	<0.003		0.0018 (J)	
3/10/2020	<0.003						
3/11/2020					0.0012 (J)		
3/16/2020							0.00031 (J)
9/11/2020					0.0011 (J)		
9/14/2020	<0.003	<0.003		<0.003		0.0017 (J)	
9/15/2020			0.00053 (J)				
9/16/2020							<0.003
3/11/2021	<0.003	<0.003	0.00038 (J)	<0.003			
3/15/2021					0.0019 (J)	0.00086 (J)	
3/17/2021							<0.003
8/4/2021				<0.003			
8/5/2021	<0.003	<0.003	0.00082 (J)			0.0024 (J)	
8/9/2021							<0.003
8/11/2021					0.0033		
1/31/2022	<0.003			<0.003			
2/1/2022		<0.003	0.0024 (J)		<0.003	0.00097 (J)	
2/2/2022							<0.003
8/15/2022	<0.003	0.0022 (J)	<0.003	<0.003	0.0012 (J)	<0.003	
8/16/2022							<0.003
2/14/2023	<0.003	<0.003	0.0022 (J)	<0.003	0.0037	<0.003	
2/20/2023							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.003					
8/23/2007						<0.003
10/25/2007	<0.003					
11/1/2007						<0.003
11/19/2007						<0.003
11/20/2007	<0.003					
1/15/2008						<0.003
1/23/2008	<0.003					
3/6/2008						<0.003
3/11/2008	<0.003					
5/13/2008						<0.003
5/14/2008	<0.003					
12/11/2008	<0.003					
12/12/2008						<0.003
4/16/2009						<0.003
4/23/2009	<0.003					
10/9/2009	<0.003					
10/13/2009						<0.003
4/21/2010						<0.003
5/4/2010	<0.003					
9/29/2010						<0.003
10/11/2010	<0.003					
4/13/2011						<0.003
4/26/2011	<0.003					
10/5/2011						<0.003
10/18/2011	<0.003			<0.003		
4/4/2012						<0.003
4/30/2012				<0.003		
5/2/2012	<0.003					
10/3/2012				<0.003		
10/8/2012	<0.003					<0.003
4/8/2013				<0.003		<0.003
4/10/2013	<0.003					
10/8/2013	<0.003					
10/9/2013				<0.003		<0.003
4/9/2014						<0.003
4/10/2014				<0.003		
4/14/2014	<0.003					
9/30/2014						<0.003
10/2/2014				0.0025 (J)		
10/3/2014	<0.003					
4/1/2015	0.0035 (J)					
4/2/2015						<0.003
4/3/2015				<0.003		
5/26/2015		<0.003			<0.003	
6/18/2015		<0.003 (D)			<0.003 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				<0.003	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						<0.003 (D)
3/22/2016					<0.003	
3/29/2016	<0.003	0.000768 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				0.0015 (J)		<0.003
4/6/2017	0.001 (J)	0.0006 (J)	<0.003	0.0007 (J)		<0.003
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	<0.003
6/14/2017				<0.003		
7/14/2017			0.0008 (J)			
10/3/2017	<0.003	<0.003	<0.003		<0.003	<0.003
10/4/2017				<0.003		
3/19/2018	<0.003					
3/20/2018		<0.003	<0.003		<0.003	0.001 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	0.0023 (J)				
9/18/2018			<0.003	<0.003	<0.003	<0.003 (D)
3/21/2019	<0.003	<0.003	<0.003			<0.003
3/27/2019				<0.003		
5/6/2019					<0.003	
9/13/2019			0.002 (J)			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	<0.003
3/12/2020	0.00052 (J)	0.0011 (J)	0.00066 (J)	0.00043 (J)		<0.003
3/16/2020					<0.003	
9/16/2020	<0.003	<0.003	0.0012 (J)			
9/17/2020				0.00082 (J)	<0.003	<0.003
3/17/2021	<0.003	<0.003	0.00099 (J)	<0.003		
3/18/2021					<0.003	<0.003
8/10/2021	<0.003	0.0028 (J)	0.0017 (J)	0.0015 (J)	<0.003	<0.003
2/2/2022	<0.003	<0.003	0.00093 (J)	0.0015 (J)	<0.003	<0.003
8/17/2022	<0.003	<0.003	0.0011 (J)	<0.003	0.001 (J)	<0.003
2/17/2023	<0.003	<0.003				
2/20/2023			0.0012 (J)		<0.003	
2/21/2023				<0.003		<0.003

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		0.012 (O)	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		0.0056			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0011 (JD)			
7/29/2016	<0.005	<0.005	0.0008 (J)			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			<0.005	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				0.0007 (JD)			
3/28/2017					0.0007 (J)		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			0.0007 (J)				
5/24/2017							<0.005
6/7/2017					<0.005		
6/8/2017				0.0007 (JD)			
6/9/2017	0.0005 (J)		0.0006 (J)				
6/12/2017		<0.005				<0.005	
7/17/2017				0.0005 (JD)			
7/27/2017				<0.005			
8/9/2017				0.0008 (J)			
9/26/2017					<0.005		0.0005 (J)
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	0.0005 (J)				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	0.00085 (J)		0.001 (J)	<0.005			
3/19/2018		<0.005				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					0.00043 (J)		0.00068 (J)
9/12/2019	0.0004 (J)	<0.005 (D)					
9/13/2019			0.00051 (J)			<0.005	
3/9/2020				0.00083 (J)	<0.005		<0.005
3/11/2020	0.00088 (J)	<0.005	0.00044 (J)			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	0.00081 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					
3/29/2021						0.001 (J)	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0031 (J)			<0.005	
1/31/2022					0.0021 (J)		<0.005
2/1/2022	<0.005	0.0019 (J)	0.0053				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	0.0033 (J)	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0012 (J)					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						0.0019 (J)	
3/24/2017	<0.005						
3/27/2017		0.0008 (J)	<0.005				
3/28/2017				<0.005	0.0005 (J)		
4/7/2017						0.0008 (J)	<0.005
6/6/2017	<0.005 (*)	<0.005 (*)		<0.005 (*)	<0.005 (*)		
6/7/2017			<0.005 (*)				
6/12/2017							<0.005
6/14/2017						0.0006 (JD)	
7/12/2017						<0.005 (D)	
7/20/2017						0.0009 (JD)	
7/28/2017						<0.005	
8/9/2017						0.0011 (J)	
8/24/2017						0.0007 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	0.001 (J)					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						0.0005 (JD)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						0.0012 (J)	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						0.0006 (JD)	
9/13/2019							<0.005
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							<0.005
3/12/2020						0.0033 (J)	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						0.0011 (J)	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						0.00098 (J)	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						0.0025 (J)	
1/31/2022	<0.005	<0.005	<0.005	0.0013 (J)	<0.005		
2/1/2022							<0.005
2/3/2022						0.0034 (J)	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		0.0079	<0.005				
1/16/2008						0.0086	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		<0.005	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.005						
12/13/2008		0.015 (O)				0.012	0.0096
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						0.008	
4/23/2009	<0.005						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	0.0057		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0081	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/28/2010							<0.005
5/3/2010	0.012 (O)						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						0.0067	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	<0.005						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						0.0086	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/10/2013	<0.005						
10/8/2013							<0.005
10/9/2013				<0.005	0.006	0.0094	
10/15/2013		<0.005	<0.005				
10/16/2013	<0.005						
4/1/2014						0.0097	<0.005
4/2/2014				<0.005	0.005 (J)		
4/9/2014		<0.005	<0.005				
4/22/2014	<0.005						
10/1/2014	<0.005						0.0022 (J)
10/2/2014		<0.005	<0.005	<0.005	0.0036 (J)	0.0055	
3/30/2015	<0.005						
4/1/2015				<0.005	0.0077	0.011	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	0.0071		
10/12/2015			<0.005				
10/14/2015						0.007	
10/15/2015							<0.005
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	0.00315 (J)	0.00645	0.00124 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	0.00313 (J)		
5/27/2016						0.00692	
5/31/2016							<0.005
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		0.0068	
8/4/2016					0.0032 (J)		<0.005
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	0.0029 (J)		
9/29/2016							<0.005
9/30/2016						0.0065	
11/11/2016	<0.005						
11/22/2016		<0.005	<0.005	<0.005	0.0048 (J)	0.0066	
11/28/2016							<0.005
1/30/2017	<0.005						
2/7/2017		<0.005	<0.005				
2/8/2017				<0.005	0.0022 (J)		
2/9/2017							<0.005
2/13/2017						0.0092	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	0.002 (J)		
4/11/2017						0.0051	
4/12/2017							0.001 (J)
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			0.0056	
6/15/2017				<0.005	0.0014 (J)		
6/16/2017							0.0007 (J)
10/2/2017	<0.005						
10/4/2017		0.0006 (J)	<0.005	<0.005	0.002 (J)	0.0068	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/9/2017							0.0006 (J)
3/16/2018	<0.005						
3/20/2018		0.00079 (J)					
3/21/2018			<0.005	0.00058 (J)			0.0013 (J)
3/22/2018					0.0022 (J)	0.0055	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0064	
9/19/2018							<0.005
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	0.0016 (J)	0.0055	0.00067 (J)
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	0.0016 (J)	0.00465 (JD)	
9/18/2019							0.00052 (J)
3/11/2020	<0.005						
3/12/2020		<0.005	<0.005	<0.005	0.0012 (J)	0.0053	
3/13/2020							0.00096 (J)
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	0.0012 (J)	0.0065	
9/22/2020							0.00098 (J)
3/17/2021	<0.005						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	0.0013 (J)	0.0052	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	0.0017 (J)	0.0042 (J)	<0.005
2/2/2022	<0.005					0.0027 (J)	
2/4/2022		0.0023 (J)	0.0019 (J)	0.0023 (J)	0.0035 (J)		
2/17/2022							<0.005
8/17/2022	<0.005	<0.005					
8/18/2022			<0.005	<0.005	<0.005	0.0037 (J)	<0.005
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						0.0094 (J)	
2/22/2023							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	0.0077			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0079					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		0.014 (O)	<0.005	0.0061			
12/12/2008	0.02 (O)						
4/16/2009		0.0069					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0066						
10/19/2009			<0.005				
10/20/2009		0.0054		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	0.016 (O)						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	0.005 (J)			
9/30/2014		<0.005	<0.005	0.0025 (J)			
10/1/2014	0.0021 (J)						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.00101 (J)	<0.005	<0.005
4/4/2016	0.00144 (J)						
4/5/2016		<0.005	<0.005	0.00153 (J)			
5/16/2016					<0.005	<0.005 (D)	<0.005
5/31/2016			<0.005	0.00261 (J)			
6/1/2016	0.0011 (JD)	<0.005					
7/25/2016					<0.005	<0.005 (D)	<0.005
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005
11/4/2016						<0.005 (D)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	<0.005						
3/28/2017					0.0009 (J)		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	0.0011 (JD)	<0.005		0.0007 (J)			
4/12/2017			0.0005 (J)				
6/5/2017					0.0033 (J)		
6/7/2017						<0.005	<0.005 (*)
6/14/2017		<0.005					
6/15/2017			<0.005	<0.005			
6/16/2017	0.0043 (JD)						
7/12/2017	0.0013 (JD)	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	0.0013 (J)						
8/10/2017	0.0011 (J)						
9/26/2017					0.0008 (J)		
9/27/2017						<0.005	0.0006 (J)
10/5/2017		<0.005					
10/6/2017	0.0013 (JD)		0.0008 (J)	0.0009 (J)			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		0.00096 (J)					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	0.00097 (J)	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	0.00045 (X)						
3/10/2020					0.0013 (J)	<0.005	<0.005
3/13/2020		<0.005	0.00047 (J)	0.00052 (J)			
3/17/2020	0.00067 (J)						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	0.00086 (J)						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	0.00084 (J)						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		
2/1/2022						<0.005	<0.005
2/4/2022	0.0035 (J)	0.0019 (J)	0.0026 (J)				
2/7/2022				0.0025 (J)			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	0.0031 (J)	<0.005	<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							<0.005
10/16/2013							<0.005
4/23/2014							<0.005
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	0.00136 (J)	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	0.00127 (J)		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	<0.005						
7/27/2016		<0.005	0.0012 (J)	<0.005	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
11/11/2016							<0.005
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	0.0004 (J)			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	<0.005 (*)						
6/8/2017		0.0006 (J)	0.001 (J)	<0.005	<0.005		
6/9/2017						<0.005	
6/12/2017							0.0006 (J)
9/27/2017		<0.005	0.0009 (J)				
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	0.00091 (J)	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		0.00067 (J)	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	0.00051 (J)	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					0.00041 (J)		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							<0.005
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	0.0012 (J)			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						0.0086
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0065
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	0.014 (O)					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.0029 (J)	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00116 (J)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0031 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0028 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0031 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0031 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	0.0006 (J)	<0.005	0.003 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0024 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0029 (J)			
10/3/2017	<0.005	<0.005	0.0018 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	0.00089 (J)					
3/20/2018		<0.005	0.0024 (J)		0.0006 (J)	<0.005
3/21/2018				0.00077 (J)		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00077 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					0.00063 (J)	
9/13/2019			0.0017 (J)			
9/16/2019	0.00071 (J)	0.00038 (J)		0.0004 (JD)	0.00043 (J)	0.00044 (J)
3/12/2020	0.00055 (J)	<0.005	0.00044 (J)	0.00039 (J)		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	0.0013 (J)	<0.005	<0.005	<0.005		
3/18/2021					0.00082 (J)	<0.005
8/10/2021	0.0016 (J)	<0.005	0.0013 (J)	<0.005	<0.005	<0.005
2/2/2022	<0.005	0.0012 (J)	0.002 (J)	0.0013 (J)	0.0011 (J)	0.0013 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.0028 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.02	0.0073	0.0098			0.015 (O)	
10/23/2007	0.039						
10/24/2007		0.027	0.015				
11/2/2007						0.017 (O)	
11/18/2007	0.04 (J)	0.13 (O)	0.011			0.019 (O)	
1/30/2008	0.04						
1/31/2008		0.0077	0.13 (O)			0.011 (O)	
3/10/2008	0.033		0.0078				
3/11/2008		0.015				0.016 (O)	
5/6/2008		0.017					
5/13/2008	0.03		0.0077				
5/14/2008						0.013 (O)	
12/4/2008		0.14 (O)	0.0089				
12/5/2008	0.0087					0.021 (O)	
4/15/2009	0.023					0.012 (O)	
4/21/2009		0.018	0.013				
10/7/2009	0.15 (O)	0.014					
10/8/2009			0.008			0.011 (O)	
4/21/2010			0.01				
4/26/2010		0.017					
4/28/2010						0.0081	
5/3/2010	0.025						
9/28/2010			0.0036				
10/4/2010		0.011					
10/6/2010						0.0083	
10/12/2010	0.029						
4/12/2011			0.0084				
4/13/2011		0.026					
4/21/2011						0.0053	
4/27/2011	0.026						
10/4/2011			0.0066				
10/5/2011		0.021					
10/13/2011						0.0071	
10/17/2011	0.021						
4/3/2012			0.0625 (O)				
4/11/2012		0.0311					
5/1/2012						0.0067	
5/2/2012	0.0212						
10/8/2012	0.019						
10/9/2012		0.018	0.01			0.0055	
4/11/2013			0.021			0.0061	
4/12/2013	0.022						
4/15/2013		0.056					
10/15/2013		0.018					
10/16/2013	0.02		0.033			0.0062	
4/10/2014			0.021				
4/11/2014	0.018						
4/22/2014		0.035					
4/23/2014						0.0047	
9/30/2014	0.013	0.0041	0.0062				
10/4/2014						0.0055	
3/30/2015	0.021	0.036	0.011				

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0076	
10/12/2015						0.0049	
10/13/2015	0.012	0.0048	0.0065				
3/14/2016					0.0234		
3/15/2016							0.0101
3/22/2016	0.0182						
3/23/2016		0.0271	0.0206			0.00742 (J)	
5/11/2016					0.00793 (J)		0.00992 (J)
5/16/2016				0.0113 (D)			
5/19/2016	0.0193		0.0109				
5/20/2016		0.0206					
5/23/2016						0.00532 (J)	
7/19/2016					0.0045 (J)		
7/21/2016							0.009 (J)
7/27/2016				0.0114 (D)			
7/29/2016	0.0174	0.0275	0.007 (J)			0.0053 (J)	
9/15/2016					0.0057 (J)		0.0109
9/22/2016			0.0071 (J)			0.0058 (J)	
9/23/2016	0.0168	0.0384					
11/2/2016					0.0043 (J)		
11/3/2016							0.0115
11/9/2016	0.0171	0.0266					
11/10/2016			0.0052 (J)			0.0051 (J)	
1/17/2017							0.0101
1/18/2017					<0.01 (*)		
1/30/2017	0.019						
1/31/2017		0.0094 (J)	0.0076 (J)			0.0054 (J)	
2/21/2017				0.0178			
3/24/2017							0.0086 (J)
3/27/2017				0.0162 (D)			
3/28/2017					0.0188		
3/30/2017	0.0184	0.0262				0.0049 (J)	
4/3/2017			0.007 (J)				
5/24/2017							0.0087 (J)
6/7/2017					0.0273		
6/8/2017				0.0156 (D)			
6/9/2017	0.0174		0.0074 (J)				
6/12/2017		0.0288				<0.01	
7/17/2017				0.016 (D)			
7/27/2017				0.0184			
8/9/2017				0.0162			
9/26/2017					0.0236		0.0075 (J)
9/29/2017				0.0159 (D)			
10/2/2017	0.0167	0.0048 (J)	0.0085 (J)				
10/4/2017						0.0047 (J)	
3/14/2018					0.027		0.0064 (J)
3/16/2018	0.016		0.015	0.016			
3/19/2018		0.037				0.0047 (J)	
9/12/2018					0.022		0.0075 (J)
9/14/2018		0.0059 (J)	0.0095 (J)	0.015			
9/17/2018	0.015 (D)					0.0041 (J)	
3/13/2019							0.0076 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.018			
3/15/2019					0.019		
3/19/2019			0.024				
3/20/2019	0.019	0.0072 (J)				0.0042 (J)	
9/9/2019					0.015		0.0078 (J)
9/12/2019	0.018	0.0058 (JD)					
9/13/2019			0.012			0.0042 (J)	
3/9/2020				0.017	0.0072 (J)		0.0088 (J)
3/11/2020	0.016	0.035	0.027			0.0041 (J)	
9/10/2020					0.0042 (J)		
9/11/2020							0.0079 (J)
9/15/2020	0.019	0.019	0.013				
9/16/2020				0.027			
3/10/2021							0.0083
3/12/2021					0.014		
3/16/2021	0.018		0.013	0.014			
3/17/2021		0.025					
3/29/2021						0.0073	
8/4/2021					0.011		0.008
8/6/2021				0.014			
8/9/2021	0.019	0.024	0.029			0.0073	
1/31/2022					0.013		0.0081
2/1/2022	0.015	0.026	0.024				
2/2/2022				0.013		0.0064	
8/10/2022					0.01		
8/12/2022							0.0076
8/16/2022	0.017	0.021	0.027	0.013		0.0067	
2/13/2023					0.018		0.0075
2/14/2023				0.014			
2/16/2023	0.018	0.029	0.028				
2/17/2023						0.0065	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.098 (O)
4/23/2009							0.013
10/6/2009							0.011
4/27/2010							0.016
9/30/2010							0.013
4/14/2011							0.011
10/5/2011							0.015
4/11/2012							0.0102
10/2/2012							0.0091
4/9/2013							0.01
10/15/2013							0.0098
4/10/2014							0.011
10/1/2014							0.0033
3/30/2015							0.0043
10/11/2015							0.0038
3/11/2016			0.00639 (J)	0.0116	0.00819 (J)		
3/15/2016	0.0291	0.0462					
3/28/2016							0.0133
5/12/2016	0.0322						
5/13/2016		0.0265		0.0361	0.00756 (J)		
5/16/2016			0.00622 (J)				
5/23/2016							0.0109
7/19/2016				0.036	0.0079 (J)		
7/20/2016	0.0313						
7/21/2016		0.0243					
7/22/2016			0.0062 (J)				
8/1/2016							0.0058 (J)
9/15/2016	0.0217						
9/16/2016				0.0259	0.0078 (J)		
9/19/2016			0.0064 (J)				
9/21/2016		0.0145					
9/26/2016							0.0092 (J)
11/2/2016				0.037	0.0082 (J)		
11/3/2016	0.0272	0.0082 (J)	0.0058 (J)				
11/10/2016							0.0083 (J)
1/17/2017		0.007 (J)	0.0061 (J)				
1/18/2017	0.0286 (J)			0.0248	0.0085 (J)		
1/30/2017							0.0117
2/22/2017						0.0273	
3/24/2017	0.0307						
3/27/2017		0.016	0.0063 (J)				
3/28/2017				0.0222	0.0084 (J)		
4/7/2017						0.024	0.0109
6/6/2017	0.0242	0.0301		0.02	0.0078 (J)		
6/7/2017			0.0064 (J)				
6/12/2017							<0.01
6/14/2017						0.027 (D)	
7/12/2017						0.027 (D)	
7/20/2017						0.0304 (D)	
7/28/2017						0.0269	
8/9/2017						0.0254	
8/24/2017						0.0285	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				0.0179	0.0076 (J)		
9/25/2017	0.0252	0.0169					
9/26/2017			0.006 (J)				
10/2/2017							0.0122
10/3/2017						0.0294 (D)	
3/14/2018	0.021	0.036	0.0065 (J)	0.016			
3/15/2018					0.0092 (J)		
3/16/2018							0.0084 (J)
3/21/2018						0.03	
9/12/2018	0.025	0.021		0.017	0.008 (J)		
9/14/2018			0.0065 (J)				
9/17/2018							0.01
9/18/2018						0.032	
3/13/2019				0.014	0.0077 (J)		
3/14/2019	0.028	0.04	0.0066 (J)				
3/19/2019							0.012
3/21/2019						0.04 (D)	
9/10/2019	0.0195 (D)	0.031	0.0068 (J)				
9/11/2019				0.015	0.0079 (J)		
9/12/2019						0.034 (D)	
9/13/2019							0.0088 (J)
3/6/2020	0.022		0.0066 (J)				
3/9/2020		0.031		0.012	0.0069 (J)		
3/11/2020							0.0077 (J)
3/12/2020						0.053	
9/10/2020	0.024	0.031	0.0059 (J)				
9/11/2020				0.024			
9/14/2020					0.0075 (J)		
9/16/2020							0.0081 (J)
9/17/2020						0.036	
3/10/2021		0.023					
3/11/2021	0.024		0.0061	0.0096	0.0069		
3/16/2021						0.042	
3/17/2021							0.0074
8/4/2021	0.021	0.021	0.0061				
8/5/2021					0.0069		
8/6/2021				0.015			
8/9/2021							0.0071
8/10/2021						0.045	
1/31/2022	0.022	0.031	0.0063	0.014	0.0076		
2/1/2022							0.0065
2/3/2022						0.063	
8/10/2022			0.0063		0.0066		
8/11/2022	0.022	0.019		0.016			
8/16/2022							0.0072
8/17/2022						0.034	
2/13/2023	0.029	0.028	0.0061		0.0064		
2/14/2023				0.011			
2/16/2023							0.0067
2/17/2023						0.043	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.021	0.027	0.034	0.01	0.023	0.065
11/1/2007		0.017	0.024	0.036	0.012	0.034	0.019
11/18/2007				0.036	0.011		
11/19/2007						0.043	0.015
11/20/2007		0.1 (O)	0.022				
1/16/2008						0.13 (O)	
1/30/2008		0.035	0.033 (J)	0.031 (J)	0.013		
1/31/2008							0.022
3/5/2008				0.018		0.07	0.012
3/6/2008		0.042	0.019		0.017		
5/7/2008				0.015	0.0066		
5/8/2008			0.017				
5/12/2008		0.0087					0.014
5/13/2008						0.039	
12/12/2008	0.016						
12/13/2008		0.12 (O)				0.13 (O)	0.11 (O)
12/14/2008			0.02	0.12 (O)	0.013		
4/16/2009						0.13 (O)	
4/23/2009	0.14 (O)						
4/28/2009							0.12 (O)
4/29/2009		0.11 (O)	0.017	0.0079	0.0098		
10/6/2009	0.12 (O)						
10/20/2009		0.016					
10/21/2009			0.021			0.033	0.023
10/22/2009				0.007	0.013		
4/21/2010			0.019	0.0074	0.0069		
4/26/2010		0.016					
4/27/2010						0.11 (O)	
4/28/2010							0.019
5/3/2010	0.12 (O)						
9/28/2010			0.018	0.0068			
9/29/2010		0.016			0.0049		
10/5/2010						0.027	0.018
10/11/2010	0.019						
4/12/2011			0.017	0.0089			
4/13/2011		0.012			0.0074		
4/19/2011						0.025	0.019
4/27/2011	0.02						
10/4/2011			0.022	0.012	0.0062		
10/5/2011		0.014					
10/12/2011						0.025	
10/18/2011							0.025
10/19/2011	0.014						
4/3/2012			0.0212	0.0169			
4/4/2012		0.017			0.0091		
4/24/2012						0.027	
4/25/2012							0.024
5/1/2012	0.0199						
10/2/2012	0.015					0.013	0.019
10/3/2012		0.015		0.03	0.0089		
10/8/2012			0.019				
4/2/2013						0.031	0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.018	0.021	0.008	0.012		
4/10/2013	0.016						
10/8/2013							0.027
10/9/2013				0.0093	0.0079	0.025	
10/15/2013		0.018	0.022				
10/16/2013	0.017						
4/1/2014						0.023	0.023
4/2/2014				0.031	0.0086		
4/9/2014		0.019	0.02				
4/22/2014	0.017						
10/1/2014	0.013						0.014
10/2/2014		0.016	0.023	0.035	0.01	0.025	
3/30/2015	0.014						
4/1/2015				0.013	0.019	0.025	0.027
4/2/2015		0.017	0.022				
10/10/2015		0.014					
10/11/2015	0.0093			0.0079	0.014		
10/12/2015			0.028				
10/14/2015						0.027	
10/15/2015							0.033
3/28/2016	0.0155						
3/31/2016		0.0179	0.0273				
4/4/2016				0.0119	0.0176	0.0285	0.027
5/25/2016	0.0143						
5/26/2016		0.0186	0.0305	0.0127	0.0195		
5/27/2016						0.0257	
5/31/2016							0.0283
8/1/2016	0.0129						
8/3/2016			0.0284	0.0121		0.0237	
8/4/2016					0.0151		0.0358
8/5/2016		0.0138					
9/26/2016	0.0177						
9/28/2016		0.0153	0.036	0.0112	0.0132		
9/29/2016							0.0437
9/30/2016						0.0279	
11/11/2016	0.0117						
11/22/2016		0.0184 (J)	0.0341 (J)	0.0155 (J)	0.0186 (J)	0.0286 (J)	
11/28/2016							0.0419 (J)
1/30/2017	0.0113						
2/7/2017		0.0215	0.0309				
2/8/2017				0.0115	0.015		
2/9/2017							0.0472
2/13/2017						0.0313	
4/3/2017	0.0166						
4/10/2017		0.0247	0.0235	<0.0117	0.0172		
4/11/2017						0.0254	
4/12/2017							0.0383
6/12/2017	0.017						
6/14/2017		0.0227	0.0258			0.0241	
6/15/2017				0.0112	0.0167		
6/16/2017							0.0457
10/2/2017	0.0157						

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	0.0095						
8/23/2007			0.015				
8/24/2007		0.0089		0.017			
11/1/2007	0.02						
11/2/2007		0.0091	0.024	0.011			
11/17/2007		0.021	0.027				
11/18/2007				0.012 (J)			
11/19/2007	0.023						
1/15/2008		0.013	0.022	0.088 (O)			
1/31/2008	0.028						
3/5/2008	0.022	0.11 (O)					
3/6/2008			0.021				
3/10/2008				0.0077			
5/7/2008	0.019	0.01	0.023				
5/13/2008				0.0055			
12/2/2008		0.12 (O)	0.024	0.0097			
12/12/2008	0.19 (O)						
4/16/2009		0.13 (O)					
4/28/2009			0.031	0.0042			
4/29/2009	0.14 (O)						
10/19/2009			0.027				
10/20/2009		0.05		0.0056			
10/21/2009	0.034						
4/20/2010		0.019					
4/27/2010			0.051 (O)	0.0039			
4/28/2010	0.11 (O)						
9/29/2010		0.017					
10/4/2010			0.028				
10/5/2010				0.0047			
10/6/2010	0.018						
4/12/2011		0.014					
4/18/2011			0.026				
4/19/2011				0.0071			
4/20/2011	0.015						
10/4/2011		0.017					
10/12/2011	0.019		0.026	0.0098			
4/4/2012		0.0182					
4/23/2012			0.0224				
4/25/2012	0.0158			0.0088			
10/2/2012	0.036						
10/10/2012		0.048	0.024	0.0093			
4/2/2013	0.039						
4/15/2013		0.03	0.029				
4/16/2013				0.0098			
10/8/2013	0.016						
10/22/2013		0.033	0.022	0.0097			
4/1/2014	0.017						
4/21/2014		0.033	0.025	0.008			
9/30/2014		0.027	0.022	0.0074			
10/1/2014	0.018						
3/31/2015	0.021						
4/3/2015		0.13 (O)	0.022	0.0076			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0088			
10/7/2015		0.047	0.023				
10/14/2015	0.013						
3/16/2016					0.0545	0.00599 (J)	0.0244
4/4/2016	0.0222						
4/5/2016		0.0279	0.0308	0.00971 (J)			
5/16/2016					0.0418	0.006 (J)	0.0222
5/31/2016			0.0255	0.00589 (J)			
6/1/2016	0.0283	0.0249					
7/25/2016					0.0179	0.0056 (J)	0.02
8/4/2016			0.0227				
8/9/2016		0.0268					
9/19/2016					0.0152	0.0059 (J)	0.019
9/29/2016			0.0258				
11/3/2016					0.0127		0.0177
11/4/2016						0.0054 (J)	
11/23/2016			0.0263 (J)	<0.05			
11/28/2016		<0.01					
1/19/2017					0.0172		
1/20/2017							0.0173
1/23/2017						0.006 (J)	
2/9/2017		0.0119					
2/10/2017			0.025	0.0233			
2/22/2017	0.0561						
3/28/2017					0.0437		
3/29/2017						0.0058 (J)	0.0184
4/11/2017	0.0748	0.0112 (D)		0.0162			
4/12/2017			0.026				
6/5/2017					0.0747		
6/7/2017						0.0062 (J)	0.019
6/14/2017		<0.01					
6/15/2017			0.0244	0.0148			
6/16/2017	0.0661						
7/12/2017	0.0932	0.0105		0.0166			
7/26/2017				0.0146			
7/28/2017	0.0808						
8/10/2017	0.0743						
9/26/2017					0.0338		
9/27/2017						0.0056 (J)	0.0197
10/5/2017		0.0099 (J)					
10/6/2017	0.0699		0.0254	0.015			
12/28/2017	0.082 (Y)						
3/15/2018					0.059	0.0057 (J)	0.021
3/22/2018		0.011					
3/23/2018	0.086		0.021	0.013			
9/12/2018					0.032		
9/13/2018						0.0057 (J)	0.022
9/19/2018		0.013	0.02	0.015			
9/20/2018	0.093						
3/14/2019					0.077	0.0066 (J)	0.024
3/22/2019	0.086	0.014		0.014			
3/25/2019			0.021				

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/11/2019					0.036	0.0061 (J)	0.021
9/17/2019		0.015	0.023	0.014			
9/18/2019	0.097						
3/10/2020					0.059	0.0061 (J)	0.024
3/13/2020		0.017	0.02	0.014			
3/17/2020	0.097						
9/11/2020						0.006 (J)	0.021
9/15/2020					0.035		
9/21/2020		0.013	0.021	0.013			
9/22/2020	0.095						
3/11/2021					0.046	0.0059	0.022
3/18/2021		0.014	0.02	0.012			
3/19/2021	0.086						
8/4/2021					0.047		
8/6/2021						0.0061	0.023
8/11/2021		0.016	0.019	0.013			
8/12/2021	0.094						
1/31/2022					0.047		
2/1/2022						0.0072	0.026
2/4/2022	0.11	0.014	0.017				
2/7/2022				0.012			
8/12/2022						0.0064	0.022
8/15/2022					0.04		
8/18/2022		0.014					
8/19/2022	0.1		0.016	0.011			
2/14/2023					0.042	0.0067	0.025
2/22/2023	0.099	0.014	0.016	0.01			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.017
10/25/2007							0.023
11/19/2007							0.024
1/23/2008							0.028
3/11/2008							0.022
5/12/2008							0.021
12/11/2008							0.022
4/15/2009							0.13 (O)
10/9/2009							0.026
5/4/2010							0.018
10/12/2010							0.019
4/28/2011							0.015
10/19/2011							0.016
5/2/2012							0.0191
10/9/2012							0.019
4/11/2013							0.013
10/16/2013							0.017
4/23/2014							0.015
10/3/2014							0.02
3/31/2015							0.014
10/12/2015							0.017
3/10/2016	0.0209	0.0144	0.0344	0.0361			
3/17/2016					0.0112	0.0121	
3/28/2016							0.0173
5/17/2016	0.0202			0.0277			
5/18/2016		0.0136	0.0184		0.0107	0.0117	
5/25/2016							0.0175
7/26/2016	0.0165						
7/27/2016		0.013	0.0146	0.0276	0.0104		
7/28/2016						0.0081 (J)	
8/1/2016							0.0145
9/20/2016	0.0132	0.0146	0.0122	0.0266			
9/21/2016					0.0106	0.0106	
9/27/2016							0.0139
11/4/2016	0.012		0.0119	0.0239	0.0098 (J)		
11/7/2016		0.0124				0.0047 (J)	
11/11/2016							0.0135
1/20/2017	0.0133		0.0114				
1/23/2017		0.0158		<0.01			
1/24/2017					0.0101	0.0071 (J)	
1/31/2017							0.0153
3/28/2017	0.0161			0.024			
3/29/2017		0.017	0.0116		0.0103		
3/30/2017						0.0043 (J)	
4/3/2017							0.0135
6/7/2017	0.0141						
6/8/2017		0.0149	<0.011 (*)	0.0317	<0.0106 (*)		
6/9/2017						<0.01 (*)	
6/12/2017							0.0154
9/27/2017		0.012	0.0098 (J)				
9/29/2017	0.0151			0.0265	0.0097 (J)	0.004 (J)	
10/3/2017							0.0138

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.023					
8/23/2007						0.043
10/25/2007	0.018					
11/1/2007						0.032
11/19/2007						0.049 (J)
11/20/2007	0.1 (O)					
1/15/2008						0.12 (O)
1/23/2008	0.031					
3/6/2008						0.075 (O)
3/11/2008	0.016					
5/13/2008						0.055
5/14/2008	0.024					
12/11/2008	0.022					
12/12/2008						0.16 (O)
4/16/2009						0.15 (O)
4/23/2009	0.012					
10/9/2009	0.11 (O)					
10/13/2009						0.05
4/21/2010						0.039
5/4/2010	0.096 (O)					
9/29/2010						0.033
10/11/2010	0.018					
4/13/2011						0.033
4/26/2011	0.01					
10/5/2011						0.035
10/18/2011	0.012			0.015		
4/4/2012						0.0422
4/30/2012				0.0192		
5/2/2012	0.0119					
10/3/2012				0.017		
10/8/2012	0.01					0.029
4/8/2013				0.018		0.042
4/10/2013	0.013					
10/8/2013	0.014					
10/9/2013				0.021		0.04
4/9/2014						0.038
4/10/2014				0.019		
4/14/2014	0.01					
9/30/2014						0.038
10/2/2014				0.014		
10/3/2014	0.014					
4/1/2015	0.013					
4/2/2015						0.039
4/3/2015				0.014		
5/26/2015		0.016			0.06	
6/18/2015		0.015 (D)			0.047 (D)	
7/2/2015		0.014			0.04	
10/8/2015				0.024	0.032	
10/9/2015	0.008	0.012				
10/10/2015						0.038 (D)
3/22/2016					0.0263	
3/29/2016	0.00738 (J)	0.00786 (J)				

Time Series

Constituent: Barium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0163		0.0412
5/24/2016	0.00902 (J)	0.00847 (J)		0.0137		
5/25/2016					0.0178	
5/26/2016						0.0357
5/31/2016			0.0178			
8/1/2016	0.0091 (J)	0.0086 (J)				
8/2/2016			0.0394	0.0152	0.0265	
8/5/2016						0.03
9/26/2016	0.0124	0.0086 (J)			0.0267	
9/27/2016			0.032	0.0147		
9/28/2016						0.0308
11/14/2016		0.0083 (J)				
11/18/2016	0.0117					
11/21/2016			0.0316 (J)		0.0309 (J)	0.0356 (J)
11/22/2016				0.0174 (J)		
2/1/2017	0.0086 (J)	0.0096 (J)	0.0264			
2/3/2017					0.0289	
2/6/2017				0.0144		0.0391
4/6/2017	0.0083 (J)	0.0087 (J)	0.0245	0.0149		0.0402
4/7/2017					0.029	
6/13/2017	<0.01	<0.01	0.0247		0.027	0.0394
6/14/2017				0.0139		
7/14/2017			0.0245			
10/3/2017	0.0084 (J)	0.0098 (J)	0.0218		0.0292	0.0381
10/4/2017				0.015		
3/19/2018	0.0079 (J)					
3/20/2018		0.0088 (J)	0.024		0.029	0.039
3/21/2018				0.015		
9/17/2018	0.0065 (J)	0.0082 (J)				
9/18/2018			0.027	0.014	0.025	0.037
3/21/2019	0.0074 (J)	0.0075 (J)	0.03			0.042
3/27/2019				0.014		
5/6/2019					0.017	
9/13/2019			0.031			
9/16/2019	0.0075 (J)	0.0072 (J)		0.015 (D)	0.026	0.035
3/12/2020	0.0075 (J)	0.0072 (J)	0.022	0.014		0.044
3/16/2020					0.027	
9/16/2020	0.0074 (J)	0.0066 (J)	0.02			
9/17/2020				0.014	0.025	0.031
3/17/2021	0.0075	0.0072	0.022	0.014		
3/18/2021					0.018	0.041
8/10/2021	0.0074	0.0072	0.02	0.014	0.029	0.043
2/2/2022	0.0064	0.0066	0.015	0.013	0.024	0.044
8/17/2022	0.0065	0.0068	0.014	0.013	0.017	0.047
2/17/2023	0.0067	0.0067				
2/20/2023			0.015		0.024	
2/21/2023				0.011		0.042

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
9/30/2014	<0.003	<0.003	<0.003				
10/4/2014						<0.003	
3/30/2015	0.00029 (J)	<0.003	<0.003				
3/31/2015						<0.003	
10/12/2015						<0.003	
10/13/2015	<0.003	<0.003	<0.003				
3/14/2016					<0.003		
3/15/2016							<0.003
3/22/2016	<0.003						
3/23/2016		<0.003	<0.003			<0.003	
5/11/2016					<0.003		<0.003
5/16/2016				<0.003 (D)			
5/19/2016	<0.003		<0.003				
5/20/2016		<0.003					
5/23/2016						<0.003	
7/19/2016					<0.003		
7/21/2016							<0.003
7/27/2016				0.0004 (JD)			
7/29/2016	<0.003	<0.003	<0.003			<0.003	
9/15/2016					<0.003		<0.003
9/22/2016			<0.003			<0.003	
9/23/2016	<0.003	<0.003					
11/2/2016					<0.003		
11/3/2016							<0.003
11/9/2016	<0.003	<0.003					
11/10/2016			<0.003			<0.003	
1/17/2017							<0.003
1/18/2017					<0.003		
1/30/2017	<0.003						
1/31/2017		<0.003	<0.003			<0.003	
2/21/2017				<0.003			
3/24/2017							<0.003
3/27/2017				<0.003 (D)			
3/28/2017					<0.003		
3/30/2017	<0.003	<0.003				<0.003	
4/3/2017			<0.003				
5/24/2017							<0.003
6/7/2017					<0.003		
6/8/2017				<0.003 (D)			
6/9/2017	<0.003		<0.003				
6/12/2017		<0.003				<0.003	
7/17/2017				<0.003 (D)			
7/27/2017				<0.003			
8/9/2017				<0.003			
9/26/2017					<0.003		<0.003
9/29/2017				<0.003 (D)			
10/2/2017	<0.003	<0.003	<0.003				
10/4/2017						<0.003	
3/14/2018					<0.003		<0.003
3/16/2018	<0.003		<0.003	<0.003			
3/19/2018		<0.003				<0.003	
9/12/2018					<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
9/14/2018		<0.003	<0.003	<0.003			
9/17/2018	<0.003 (D)					<0.003	
3/13/2019							<0.003
3/14/2019				<0.003			
3/15/2019					<0.003		
3/19/2019			<0.003				
3/20/2019	<0.003	<0.003				<0.003	
9/9/2019					<0.003		<0.003
9/12/2019	<0.003	<0.003 (D)					
9/13/2019			<0.003			<0.003	
3/9/2020				<0.003	<0.003		<0.003
3/11/2020	<0.003	<0.003	<0.003			<0.003	
9/10/2020					<0.003		
9/11/2020							<0.003
9/15/2020	<0.003	<0.003	<0.003				
9/16/2020				<0.003			
3/10/2021							<0.003
3/12/2021					<0.003		
3/16/2021	<0.003		<0.003	<0.003			
3/17/2021		<0.003					
3/29/2021						<0.003	
8/4/2021					<0.003		<0.003
8/6/2021				<0.003			
8/9/2021	<0.003	<0.003	<0.003			<0.003	
1/31/2022					<0.003		<0.003
2/1/2022	<0.003	<0.003	<0.003				
2/2/2022				<0.003		<0.003	
8/10/2022					<0.003		
8/12/2022							<0.003
8/16/2022	<0.003	<0.003	<0.003	<0.003		<0.003	
2/13/2023					<0.003		<0.003
2/14/2023				<0.003			
2/16/2023	<0.003	<0.003	<0.003				
2/17/2023						<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/1/2014							<0.003
3/30/2015							<0.003
10/11/2015							<0.003
3/11/2016			<0.003	<0.003	<0.003		
3/15/2016	<0.003	<0.003					
3/28/2016							<0.003
5/12/2016	<0.003						
5/13/2016		<0.003		<0.003	<0.003		
5/16/2016			<0.003 (O)				
5/23/2016							<0.003
7/19/2016				<0.003	<0.003		
7/20/2016	<0.003						
7/21/2016		<0.003					
7/22/2016			0.0002 (J)				
8/1/2016							<0.003
9/15/2016	<0.003						
9/16/2016				<0.003	<0.003		
9/19/2016			0.0001 (J)				
9/21/2016		<0.003					
9/26/2016							<0.003
11/2/2016				<0.003	<0.003		
11/3/2016	<0.003	<0.003	0.0002 (J)				
11/10/2016							<0.003
1/17/2017		<0.003	0.0001 (J)				
1/18/2017	<0.003			<0.003	<0.003		
1/30/2017							<0.003
2/22/2017						<0.003	
3/24/2017	<0.003						
3/27/2017		<0.003	0.0001 (J)				
3/28/2017				<0.003	<0.003		
4/7/2017						<0.003	<0.003
6/6/2017	<0.003	<0.003		<0.003	<0.003		
6/7/2017			0.0001 (J)				
6/12/2017							<0.003
6/14/2017						<0.003 (D)	
7/12/2017						<0.003 (D)	
7/20/2017						<0.003 (D)	
7/28/2017						<0.003	
8/9/2017						<0.003	
8/24/2017						<0.003	
9/22/2017				<0.003	<0.003		
9/25/2017	<0.003	<0.003					
9/26/2017			0.0001 (J)				
10/2/2017							<0.003
10/3/2017						<0.003 (D)	
3/14/2018	<0.003	<0.003	0.00014 (J)	<0.003			
3/15/2018					5.1E-05 (J)		
3/16/2018							<0.003
3/21/2018						<0.003	
9/12/2018	<0.003	<0.003		<0.003	<0.003		
9/14/2018			0.00012 (J)				
9/17/2018							<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/18/2018						<0.003	
3/13/2019				<0.003	<0.003		
3/14/2019	<0.003	5.2E-05 (J)	0.00017 (J)				
3/19/2019							<0.003
3/21/2019						<0.003 (D)	
9/10/2019	<0.003 (D)	<0.003	0.00015 (J)				
9/11/2019				<0.003	<0.003		
9/12/2019						<0.003 (D)	
9/13/2019							<0.003
3/6/2020	<0.003		0.00017 (J)				
3/9/2020		<0.003		<0.003	<0.003		
3/11/2020							<0.003
3/12/2020						<0.003	
9/10/2020	<0.003	<0.003	0.00014 (J)				
9/11/2020				6.9E-05 (J)			
9/14/2020					<0.003		
9/16/2020							<0.003
9/17/2020						<0.003	
3/10/2021		<0.003					
3/11/2021	<0.003		0.00015 (J)	<0.003	<0.003		
3/16/2021						<0.003	
3/17/2021							<0.003
8/4/2021	<0.003	<0.003	0.00012 (J)				
8/5/2021					<0.003		
8/6/2021				<0.003			
8/9/2021							<0.003
8/10/2021						<0.003	
1/31/2022	<0.003	<0.003	0.00014 (J)	<0.003	<0.003		
2/1/2022							<0.003
2/3/2022						<0.003	
8/10/2022			0.00016 (J)		<0.003		
8/11/2022	<0.003	<0.003		7.6E-05 (J)			
8/16/2022							<0.003
8/17/2022						<0.003	
2/13/2023	<0.003	<0.003	0.00015 (J)		<0.003		
2/14/2023				<0.003			
2/16/2023							<0.003
2/17/2023						<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/1/2014	<0.003						<0.003
10/2/2014		<0.003	<0.003	<0.003	<0.003	<0.003	
3/30/2015	0.0002 (J)						
4/1/2015				<0.003	<0.003	<0.003	0.00022 (J)
4/2/2015		0.00015 (J)	<0.003				
10/10/2015		8.5E-05 (J)					
10/11/2015	<0.003			<0.003	<0.003		
10/12/2015			<0.003				
10/14/2015						<0.003	
10/15/2015							0.00018 (J)
3/28/2016	<0.003						
3/31/2016		<0.003	<0.003				
4/4/2016				<0.003	<0.003	<0.003	<0.003
5/25/2016	<0.003						
5/26/2016		<0.003	<0.003	<0.003	<0.003		
5/27/2016						<0.003	
5/31/2016							<0.003
8/1/2016	<0.003						
8/3/2016			<0.003	<0.003		<0.003	
8/4/2016					<0.003		<0.003
8/5/2016		<0.003					
9/26/2016	<0.003						
9/28/2016		<0.003	<0.003	<0.003	<0.003		
9/29/2016							9E-05 (J)
9/30/2016						<0.003	
11/11/2016	<0.003						
11/22/2016		<0.003	<0.003	<0.003	<0.003	<0.003	
11/28/2016							<0.003
1/30/2017	<0.003						
2/7/2017		<0.003	<0.003				
2/8/2017				<0.003	<0.003		
2/9/2017							<0.003
2/13/2017						<0.003	
4/3/2017	<0.003						
4/10/2017		<0.003	<0.003	<0.003	<0.003		
4/11/2017						<0.003	
4/12/2017							0.0001 (J)
6/12/2017	<0.003						
6/14/2017		<0.003	<0.003			<0.003	
6/15/2017				<0.003	<0.003		
6/16/2017							9E-05 (J)
10/2/2017	<0.003						
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003	
10/9/2017							<0.003
3/16/2018	<0.003						
3/20/2018		0.00019 (J)					
3/21/2018			<0.003	<0.003			<0.003
3/22/2018					<0.003	<0.003	
9/18/2018	<0.003	5.4E-05 (J)	<0.003	<0.003	<0.003	<0.003	
9/19/2018							7E-05 (J)
3/19/2019	<0.003						
3/22/2019		0.00018 (J)	<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/23/2019				5.7E-05 (J)	<0.003	<0.003	6.1E-05 (J)
9/12/2019	<0.003						
9/17/2019		<0.003	<0.003	<0.003	<0.003	<0.003 (D)	
9/18/2019							7.4E-05 (J)
3/11/2020	<0.003						
3/12/2020		0.00017 (J)	<0.003	<0.003	<0.003	<0.003	
3/13/2020							8E-05 (J)
9/15/2020	8.5E-05 (J)						
9/17/2020		<0.003	<0.003				
9/21/2020				<0.003	<0.003	<0.003	
9/22/2020							<0.003
3/17/2021	<0.003						
3/18/2021		0.0001 (J)	<0.003				7E-05 (J)
3/19/2021				<0.003	<0.003	<0.003	
8/9/2021	<0.003						
8/10/2021		9.4E-05 (J)					
8/11/2021			<0.003	<0.003	<0.003	<0.003	7.4E-05 (J)
2/2/2022	5.5E-05 (J)					<0.003	
2/4/2022		0.00021 (J)	<0.003	<0.003	<0.003		
2/17/2022							8.9E-05 (J)
8/17/2022	<0.003	7E-05 (J)					
8/18/2022			<0.003	<0.003	<0.003	<0.003	<0.003
2/16/2023	<0.003						
2/20/2023		0.0003 (J)	<0.003	<0.003	<0.003		
2/21/2023						<0.003	
2/22/2023							<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/30/2014		<0.003	<0.003	<0.003			
10/1/2014	<0.003						
3/31/2015	<0.003						
4/3/2015		<0.003	<0.003	<0.003			
10/6/2015				<0.003			
10/7/2015		<0.003	<0.003				
10/14/2015	<0.003						
3/16/2016					<0.003	<0.003	<0.003
4/4/2016	<0.003						
4/5/2016		<0.003	<0.003	<0.003			
5/16/2016					<0.003	<0.003 (D)	<0.003 (D)
5/31/2016			<0.003	<0.003			
6/1/2016	<0.003 (D)	<0.003					
7/25/2016					<0.003	<0.003 (D)	<0.003 (D)
8/4/2016			<0.003				
8/9/2016		<0.003					
9/19/2016					<0.003	<0.003 (D)	<0.003 (D)
9/29/2016			<0.003				
11/3/2016					<0.003		<0.003 (D)
11/4/2016						<0.003 (D)	
11/23/2016			<0.003	<0.003			
11/28/2016		<0.003					
1/19/2017					<0.003		
1/20/2017							<0.003 (D)
1/23/2017						<0.003 (D)	
2/9/2017		0.0001 (J)					
2/10/2017			<0.003	<0.003			
2/22/2017	<0.003						
3/28/2017					8E-05 (J)		
3/29/2017						<0.003 (D)	<0.003 (D)
4/11/2017	<0.003	<0.003		<0.003			
4/12/2017			<0.003				
6/5/2017					9E-05 (J)		
6/7/2017						<0.003	<0.003
6/14/2017		<0.003					
6/15/2017			<0.003	<0.003			
6/16/2017	<0.003						
7/12/2017	<0.003	<0.003		<0.003			
7/26/2017				<0.003			
7/28/2017	<0.003						
8/10/2017	<0.003						
9/26/2017					<0.003		
9/27/2017						<0.003	<0.003
10/5/2017		<0.003					
10/6/2017	<0.003		<0.003	<0.003			
3/15/2018					7.7E-05 (J)	<0.003	<0.003
3/22/2018		0.00203 (JD)					
3/23/2018	<0.003		<0.003	<0.003			
9/12/2018					<0.003		
9/13/2018						<0.003	<0.003
9/19/2018		0.00014 (J)	<0.003	<0.003			
9/20/2018	<0.003						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/14/2019					7.8E-05 (J)	<0.003 (D)	<0.003 (D)
3/22/2019	<0.003	9.4E-05 (J)		<0.003			
3/25/2019			<0.003				
9/11/2019					<0.003	<0.003 (D)	<0.003 (D)
9/17/2019		0.00013 (X)	<0.003	<0.003			
9/18/2019	<0.003						
3/10/2020					7.4E-05 (J)	<0.003	<0.003
3/13/2020		0.00016 (J)	<0.003	<0.003			
3/17/2020	<0.003						
9/11/2020						<0.003	5.6E-05 (J)
9/15/2020					5.7E-05 (J)		
9/21/2020		9.5E-05 (J)	<0.003	<0.003			
9/22/2020	<0.003						
3/11/2021					6.4E-05 (J)	<0.003	<0.003
3/18/2021		0.00012 (J)	<0.003	<0.003			
3/19/2021	<0.003						
8/4/2021					6.7E-05 (J)		
8/6/2021						<0.003	<0.003
8/11/2021		0.00011 (J)	<0.003	<0.003			
8/12/2021	<0.003						
1/31/2022					6.5E-05 (J)		
2/1/2022						<0.003	<0.003
2/4/2022	<0.003	0.00011 (J)	<0.003				
2/7/2022				<0.003			
8/12/2022						<0.003	<0.003
8/15/2022					5.7E-05 (J)		
8/18/2022		0.00011 (J)					
8/19/2022	<0.003		<0.003	<0.003			
2/14/2023					6.2E-05 (J)	<0.003	<0.003
2/22/2023	<0.003	9.4E-05 (J)	<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
10/3/2014							0.00073 (J)
3/31/2015							0.00057 (J)
10/12/2015							0.00054 (J)
3/10/2016	<0.003	<0.003	<0.003	<0.003			
3/17/2016					<0.003	<0.003	
3/28/2016							<0.003
5/17/2016	<0.003			<0.003			
5/18/2016		<0.003	<0.003		<0.003	<0.003	
5/25/2016							<0.003
7/26/2016	<0.003						
7/27/2016		<0.003	<0.003	0.0002 (J)	<0.003		
7/28/2016						<0.003	
8/1/2016							0.0006 (J)
9/20/2016	<0.003	<0.003	<0.003	0.0002 (J)			
9/21/2016					<0.003	<0.003	
9/27/2016							0.0007 (J)
11/4/2016	<0.003		<0.003	0.0002 (J)	<0.003		
11/7/2016		<0.003				<0.003	
11/11/2016							0.0007 (J)
1/20/2017	<0.003		<0.003				
1/23/2017		<0.003		<0.003			
1/24/2017					<0.003	<0.003	
1/31/2017							0.0007 (J)
3/28/2017	<0.003			0.0002 (J)			
3/29/2017		<0.003	<0.003		<0.003		
3/30/2017						<0.003	
4/3/2017							0.0007 (J)
6/7/2017	<0.003						
6/8/2017		<0.003	<0.003	0.0002 (J)	<0.003		
6/9/2017						<0.003	
6/12/2017							0.0004 (J)
9/27/2017		<0.003	<0.003				
9/29/2017	<0.003			0.0002 (J)	<0.003	<0.003	
10/3/2017							0.0006 (J)
3/15/2018	<0.003	<0.003		0.00025 (J)	<0.003	<0.003	
3/16/2018			<0.003				
3/19/2018							0.0005 (J)
9/13/2018	<0.003	<0.003	<0.003	0.00026 (J)	<0.003		
9/14/2018						<0.003	
9/17/2018							0.00053 (J)
3/15/2019		<0.003		0.00022 (J)			
3/18/2019	<0.003				<0.003		
3/19/2019			<0.003			<0.003	
3/20/2019							0.00046 (J)
9/11/2019	<0.003		<0.003	0.0003 (JD)	<0.003	<0.003	
9/12/2019		<0.003					
9/16/2019							0.00051 (J)
3/9/2020		<0.003	<0.003	0.00028 (J)		<0.003	
3/10/2020	<0.003						
3/11/2020					<0.003		
3/16/2020							0.00048 (J)
9/11/2020					<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/14/2020	<0.003	<0.003		0.00033 (J)		<0.003	
9/15/2020			<0.003				
9/16/2020							0.00069 (J)
3/11/2021	<0.003	<0.003	<0.003	0.00033 (J)			
3/15/2021					<0.003	<0.003	
3/17/2021							0.00061
8/4/2021				0.00031 (J)			
8/5/2021	<0.003	<0.003	<0.003			<0.003	
8/9/2021							0.00069
8/11/2021					<0.003		
1/31/2022	<0.003			0.00036 (J)			
2/1/2022		<0.003	<0.003		<0.003	<0.003	
2/2/2022							0.00075
4/28/2022							0.00078
8/15/2022	<0.003	<0.003	6.5E-05 (J)	0.00037 (J)	<0.003	<0.003	
8/16/2022							0.0006
2/14/2023	<0.003	<0.003	<0.003	0.00038 (J)	<0.003	<0.003	
2/20/2023							0.0006

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/30/2014						0.00013 (J)
10/2/2014				<0.003		
10/3/2014	0.00024 (J)					
4/1/2015	0.00021 (J)					
4/2/2015						0.00028 (J)
4/3/2015				<0.003		
5/26/2015		8.8E-05 (J)			<0.003	
6/18/2015		<0.003 (D)			0.0013 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				0.00025 (J)	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						0.000245 (JD)
3/22/2016					<0.003	
3/29/2016	<0.003	<0.003				
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				<0.003		0.0002 (J)
4/6/2017	<0.003	<0.003	<0.003	<0.003		0.0002 (J)
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	0.0002 (J)
6/14/2017				<0.003		
7/14/2017			<0.003			
10/3/2017	<0.003	<0.003	<0.003		<0.003	0.0001 (J)
10/4/2017				<0.003		
3/19/2018	6.6E-05 (J)					
3/20/2018		6.8E-05 (J)	<0.003		<0.003	0.00022 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	5.8E-05 (J)				
9/18/2018			<0.003	<0.003	<0.003	0.00014 (JD)
3/21/2019	<0.003	7.6E-05 (J)	<0.003			0.00015 (J)
3/27/2019				<0.003		
5/6/2019					0.0001 (J)	
9/13/2019			<0.003			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	0.0001 (J)
3/12/2020	<0.003	9.3E-05 (J)	<0.003	<0.003		0.00022 (J)
3/16/2020					<0.003	
9/16/2020	<0.003	6.7E-05 (J)	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/17/2020				<0.003	4.9E-05 (J)	4.8E-05 (J)
3/17/2021	<0.003	<0.003	<0.003	<0.003		
3/18/2021					8.5E-05 (J)	0.00016 (J)
8/10/2021	<0.003	6.1E-05 (J)	<0.003	<0.003	6.2E-05 (J)	0.00015 (J)
2/2/2022	<0.003	7E-05 (J)	<0.003	<0.003	6.4E-05 (J)	0.00018 (J)
8/17/2022	<0.003	9.8E-05 (J)	<0.003	<0.003	0.0001 (J)	0.00017 (J)
2/17/2023	<0.003	5.4E-05 (J)				
2/20/2023			<0.003		<0.003	
2/21/2023				<0.003		0.00017 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					<0.04		
3/15/2016							<0.04
3/22/2016	<0.04						
3/23/2016		<0.04	<0.04			<0.04	
5/11/2016					<0.04		<0.04
5/16/2016				<0.04 (D)			
5/19/2016	<0.04		<0.04				
5/20/2016		<0.04					
5/23/2016						<0.04	
7/19/2016					<0.04 (*)		
7/21/2016							<0.04
7/27/2016				<0.04 (*)			
7/29/2016	<0.04	<0.04	<0.04			<0.04	
9/15/2016					0.0067 (J)		<0.04
9/22/2016			<0.04			<0.04	
9/23/2016	<0.04	<0.04					
11/2/2016					<0.04		
11/3/2016							<0.04 (*)
11/9/2016	<0.04	<0.04					
11/10/2016			<0.04			<0.04	
1/17/2017							<0.04
1/18/2017					<0.04		
1/30/2017	<0.04						
1/31/2017		<0.04	<0.04			<0.04	
2/21/2017				0.0218 (JD)			
3/24/2017							<0.04
3/27/2017				0.0262 (JD)			
3/28/2017					<0.04		
3/30/2017	0.0065 (J)	<0.04				<0.04	
4/3/2017			<0.04				
5/24/2017							<0.04
6/7/2017					<0.04 (*)		
6/8/2017				0.0067 (JD)			
6/9/2017	<0.04		<0.04				
6/12/2017		<0.04				<0.04	
7/17/2017				0.0165 (JD)			
7/27/2017				0.0138 (JD)			
8/9/2017				0.0069 (JD)			
9/26/2017					<0.04		0.0075 (J)
9/29/2017				0.0066 (JD)			
10/2/2017	<0.04	<0.04	<0.04				
10/4/2017						<0.04	
3/14/2018					<0.04		0.0093 (J)
3/16/2018	<0.04		0.0077 (J)	0.0067 (J)			
3/19/2018		0.013 (J)				0.0057 (J)	
9/12/2018					<0.04		<0.04
9/14/2018		<0.04	<0.04	0.0059 (J)			
9/17/2018	0.00625 (JD)					<0.04	
3/13/2019							<0.04
3/14/2019				0.0059 (X)			
3/15/2019					0.005 (X)		
3/19/2019			0.014 (J)				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/20/2019	0.0042 (J)	<0.04				<0.04	
9/9/2019					<0.04		<0.04
9/10/2019				0.0081 (X)			
9/12/2019	<0.04	<0.04 (D)					
9/13/2019			0.012 (J)			<0.04	
3/9/2020				0.0065 (J)	<0.04		0.0074 (J)
3/11/2020	<0.04	0.0068 (J)	0.017 (J)			0.0071 (J)	
9/10/2020					<0.04		
9/11/2020							<0.04
9/15/2020	0.01 (J)	0.0053 (J)	0.0074 (J)				
9/16/2020				0.015 (J)			
3/10/2021							<0.04
3/12/2021					0.011 (J)		
3/16/2021	<0.04		0.0061 (J)	<0.04			
3/17/2021		<0.04					
3/29/2021						<0.04	
8/4/2021					<0.04		<0.04
8/6/2021				<0.04			
8/9/2021	<0.04	<0.04	0.012 (J)			<0.04	
1/31/2022					<0.04		<0.04
2/1/2022	<0.04	<0.04	<0.04				
2/2/2022				<0.04		<0.04	
8/10/2022					<0.04		
8/12/2022							<0.04
8/16/2022	<0.04	<0.04	<0.04	<0.04		<0.04	
2/13/2023					<0.04		<0.04
2/14/2023				<0.04			
2/16/2023	<0.04	<0.04	0.017 (J)				
2/17/2023						<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			<0.04	<0.04	<0.04		
3/15/2016	<0.04	<0.04					
3/28/2016							<0.04
5/12/2016	<0.04						
5/13/2016		<0.04		<0.04	<0.04		
5/16/2016			<0.04				
5/23/2016							<0.04
7/19/2016				<0.04 (*)	<0.04 (*)		
7/20/2016	<0.04						
7/21/2016		<0.04 (*)					
7/22/2016			0.0076 (J)				
8/1/2016							<0.04
9/15/2016	<0.04						
9/16/2016				<0.04	0.0246 (J)		
9/19/2016			<0.04				
9/21/2016		<0.04 (*)					
9/26/2016							<0.04
11/2/2016				<0.04	0.0279 (J)		
11/3/2016	<0.04	<0.04	<0.04				
11/10/2016							<0.04
1/17/2017		<0.04	<0.04				
1/18/2017	<0.04			<0.04	0.0336 (J)		
1/30/2017							<0.04
2/22/2017						0.022 (JD)	
3/24/2017	0.0154 (J)						
3/27/2017		0.0173 (J)	0.0101 (J)				
3/28/2017				<0.04	0.0313 (J)		
4/7/2017						0.0082 (JD)	0.008 (J)
6/6/2017	<0.04	<0.04 (*)		<0.04 (*)	<0.04 (*)		
6/7/2017			<0.04 (*)				
6/12/2017							<0.04
6/14/2017						0.008 (JD)	
7/12/2017						0.0082 (JD)	
7/20/2017						0.0091 (JD)	
7/28/2017						<0.04 (D)	
8/9/2017						0.0071 (JD)	
8/24/2017						0.0062 (JD)	
9/22/2017				<0.04	0.0294 (J)		
9/25/2017	<0.04	0.0141 (J)					
9/26/2017			<0.04				
10/2/2017							<0.04
10/3/2017						0.006 (JD)	
3/14/2018	0.011 (J)	0.014 (J)	<0.04	<0.04			
3/15/2018					0.018 (J)		
3/16/2018							<0.04
3/21/2018						0.0062 (J)	
9/12/2018	<0.04	0.013 (J)		<0.04	0.018 (J)		
9/14/2018			<0.04				
9/17/2018							<0.04
9/18/2018						0.0096 (J)	
3/13/2019				<0.04	0.012 (X)		
3/14/2019	0.007 (X)	0.015 (X)	<0.04				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<0.04
3/21/2019						0.0066 (JD)	
9/10/2019	<0.04	0.015 (X)	<0.04				
9/11/2019				0.0059 (X)	0.021 (X)		
9/12/2019						0.012 (JD)	
9/13/2019							<0.04
3/6/2020	0.013 (J)		0.0068 (J)				
3/9/2020		0.021 (J)		<0.04	0.017 (J)		
3/11/2020							0.0063 (J)
3/12/2020						0.014 (J)	
9/10/2020	<0.04	0.016 (J)	<0.04				
9/11/2020				<0.04			
9/14/2020					0.018 (J)		
9/16/2020							<0.04
9/17/2020						0.015 (J)	
3/10/2021		0.0098 (J)					
3/11/2021	0.0075 (J)		<0.04	<0.04	0.017 (J)		
3/16/2021						0.0092 (J)	
3/17/2021							<0.04
8/4/2021	<0.04	0.01 (J)	<0.04				
8/5/2021					0.0098 (J)		
8/6/2021				<0.04			
8/9/2021							<0.04
8/10/2021						0.01 (J)	
1/31/2022	<0.04	0.016 (J)	<0.04	<0.04	0.011 (J)		
2/1/2022							<0.04
2/3/2022						<0.04	
8/10/2022			<0.04		0.01 (J)		
8/11/2022	<0.04	<0.04		<0.04			
8/16/2022							<0.04
8/17/2022						<0.04	
2/13/2023	<0.04	0.017 (J)	<0.04		<0.04		
2/14/2023				<0.04			
2/16/2023							<0.04
2/17/2023						<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	<0.04						
3/31/2016		<0.04	<0.04				
4/4/2016				<0.04	<0.04	<0.04	<0.04
5/25/2016	<0.04						
5/26/2016		<0.04	<0.04	<0.04	<0.04		
5/27/2016						<0.04	
5/31/2016							<0.04
8/1/2016	<0.04						
8/3/2016			<0.04	<0.04		<0.04	
8/4/2016					<0.04		<0.04
8/5/2016		<0.04					
9/26/2016	<0.04						
9/28/2016		<0.04	0.0169 (J)	<0.04	<0.04		
9/29/2016							0.0192 (J)
9/30/2016						<0.04	
11/11/2016	0.0193 (J)						
11/22/2016		<0.04	0.0067 (J)	<0.04	0.0072 (J)	<0.04	
11/28/2016							0.0124 (J)
1/30/2017	<0.04						
2/7/2017		<0.04	<0.04				
2/8/2017				0.0085 (J)	0.0069 (J)		
2/9/2017							0.0157 (J)
2/13/2017						<0.04	
4/3/2017	<0.04						
4/10/2017		<0.04	<0.04	<0.04	<0.04		
4/11/2017						<0.04	
4/12/2017							0.0183 (J)
6/12/2017	<0.04						
6/14/2017		<0.04	<0.04			<0.04	
6/15/2017				<0.04	<0.04		
6/16/2017							0.0269 (J)
10/2/2017	<0.04						
10/4/2017		<0.04	<0.04	<0.04	0.0065 (J)	<0.04	
10/9/2017							0.0383 (J)
3/16/2018	<0.04						
3/20/2018		0.004 (J)					
3/21/2018			<0.04	<0.04			0.021 (J)
3/22/2018					<0.04	<0.04	
9/18/2018	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
9/19/2018							0.026 (J)
3/19/2019	<0.04						
3/22/2019		<0.04	<0.04				
3/23/2019				<0.04	<0.04	<0.04	0.012 (J)
9/12/2019	<0.04						
9/17/2019		<0.04	<0.04	<0.04	<0.04	<0.04 (D)	
9/18/2019							0.017 (J)
3/11/2020	0.007 (J)						
3/12/2020		<0.04	0.005 (J)	<0.04	0.0058 (J)	<0.04	
3/13/2020							0.014 (J)
9/15/2020	<0.04						
9/17/2020		<0.04	<0.04				
9/21/2020				<0.04	<0.04	<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							0.0087 (J)
3/17/2021	<0.04						
3/18/2021		<0.04	<0.04				0.0091 (J)
3/19/2021				<0.04	<0.04	<0.04	
8/9/2021	<0.04						
8/10/2021		<0.04					
8/11/2021			<0.04	<0.04	<0.04	<0.04	<0.04
2/2/2022	<0.04					<0.04	
2/4/2022		<0.04	<0.04	<0.04	<0.04		
2/17/2022							0.015 (J)
8/17/2022	<0.04	<0.04					
8/18/2022			<0.04	<0.04	<0.04	<0.04	<0.04
2/16/2023	<0.04						
2/20/2023		<0.04	<0.04	<0.04	<0.04		
2/21/2023						<0.04	
2/22/2023							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					<0.04	<0.04	<0.04
4/4/2016	<0.04						
4/5/2016		<0.04	<0.04	<0.04			
5/16/2016					<0.04	<0.04 (D)	<0.04 (D)
5/31/2016			<0.04	<0.04			
6/1/2016	<0.04	<0.04					
7/25/2016					<0.04	<0.04 (D)	0.0054 (JD)
8/4/2016			<0.04				
8/9/2016		0.0996 (O)					
9/19/2016					<0.04	<0.04 (D)	<0.04 (D)
9/29/2016			0.0106 (J)				
11/3/2016					<0.04		<0.04 (D)
11/4/2016						<0.04 (D)	
11/23/2016			0.0099 (J)	0.0076 (J)			
11/28/2016		0.0072 (J)					
1/19/2017					<0.04		
1/20/2017							<0.04 (D)
1/23/2017						0.0086 (JD)	
2/9/2017		<0.04					
2/10/2017			<0.04	<0.04			
2/22/2017	0.02 (J)						
3/28/2017					0.0113 (J)		
3/29/2017						<0.04 (D)	<0.04 (D)
4/11/2017	<0.04	<0.04		<0.04			
4/12/2017			0.009 (J)				
6/5/2017					<0.04 (*)		
6/7/2017						<0.04 (*)	<0.04 (*)
6/14/2017		<0.04					
6/15/2017			<0.04	<0.04			
6/16/2017	0.0163 (J)						
7/12/2017	0.0117 (J)	<0.04		<0.04			
7/26/2017				<0.04			
7/28/2017	0.0071 (J)						
8/10/2017	0.0093 (J)						
9/26/2017					0.0084 (J)		
9/27/2017						<0.04	<0.04
10/5/2017		0.0068 (J)					
10/6/2017	0.0148 (J)		<0.04	0.0071 (J)			
3/15/2018					0.014 (J)	0.0077 (J)	0.0063 (J)
3/22/2018		<0.04					
3/23/2018	0.017 (J)		0.0053 (J)	0.0092 (J)			
9/12/2018					0.0051 (J)		
9/13/2018						<0.04	<0.04
9/19/2018		<0.04	0.0049 (J)	0.0046 (J)			
9/20/2018	0.016 (J)						
3/14/2019					0.018 (X)	<0.04 (D)	0.006 (JXD)
3/22/2019	0.013 (J)	<0.04		<0.04			
3/25/2019			<0.04				
9/11/2019					0.0088 (X)	<0.04 (D)	<0.04 (D)
9/17/2019		<0.04	<0.04	<0.04			
9/18/2019	0.014 (X)						
3/10/2020					0.019 (J)	<0.04	0.009 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		0.0081 (J)	0.0064 (J)	0.0054 (J)			
3/17/2020	0.017 (J)						
9/11/2020						<0.04	0.0056 (J)
9/15/2020					0.0089 (J)		
9/21/2020		<0.04	0.0075 (J)	<0.04			
9/22/2020	0.01 (J)						
3/11/2021					0.016 (J)	<0.04	0.006 (J)
3/18/2021		<0.04	<0.04	<0.04			
3/19/2021	0.014 (J)						
8/4/2021					0.016 (J)		
8/6/2021						<0.04	<0.04
8/11/2021		<0.04	<0.04	<0.04			
8/12/2021	0.014 (J)						
1/31/2022					0.015 (J)		
2/1/2022						0.019 (J)	0.022 (J)
2/4/2022	0.017 (J)	<0.04	<0.04				
2/7/2022				<0.04			
8/12/2022						<0.04	<0.04
8/15/2022					0.011 (J)		
8/18/2022		<0.04					
8/19/2022	0.015 (J)		<0.04	<0.04			
2/14/2023					0.014 (J)	<0.04	0.012 (J)
2/22/2023	0.013 (J)	<0.04	<0.04	<0.04			

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	<0.04	<0.04	<0.04	<0.04			
3/17/2016					<0.04	<0.04	
3/28/2016							<0.04
5/17/2016	<0.04			<0.04			
5/18/2016		<0.04	<0.04		<0.04	<0.04	
5/25/2016							<0.04
7/26/2016	0.0047 (J)						
7/27/2016		<0.04 (*)	<0.04	<0.04 (*)	<0.04 (*)		
7/28/2016						<0.04 (*)	
8/1/2016							<0.04
9/20/2016	0.0254 (J)	0.0133 (J)	0.0109 (J)	0.0078 (J)			
9/21/2016					<0.04 (*)	<0.04 (*)	
9/27/2016							<0.04
11/4/2016	<0.04		<0.04	<0.04	<0.04		
11/7/2016		0.0079 (J)				0.0138 (J)	
11/11/2016							0.0083 (J)
1/20/2017	<0.04		<0.04				
1/23/2017		<0.04		<0.04			
1/24/2017					<0.04	<0.04	
1/31/2017							<0.04
3/28/2017	<0.04			<0.04			
3/29/2017		<0.04	<0.04		<0.04		
3/30/2017						0.0077 (J)	
4/3/2017							<0.04
6/7/2017	<0.04 (*)						
6/8/2017		<0.04	<0.04	<0.04	<0.04		
6/9/2017						<0.04	
6/12/2017							<0.04
9/27/2017		<0.04	<0.04				
9/29/2017	<0.04			<0.04	<0.04	<0.04	
10/3/2017							<0.04
3/15/2018	0.0042 (J)	<0.04		<0.04	<0.04	0.0052 (J)	
3/16/2018			<0.04				
3/19/2018							0.0041 (J)
9/13/2018	<0.04	<0.04	<0.04	<0.04	<0.04		
9/14/2018						<0.04	
9/17/2018							<0.04
3/15/2019		<0.04		<0.04			
3/18/2019	0.022 (X)				0.0099 (X)		
3/19/2019			<0.04			0.0043 (X)	
3/20/2019							<0.04
9/11/2019	<0.04		0.0054 (X)	<0.04	<0.04	<0.04	
9/12/2019		<0.04					
9/16/2019							0.0051 (J)
3/9/2020		<0.04	0.0051 (J)	<0.04		0.0055 (J)	
3/10/2020	<0.04						
3/11/2020					<0.04		
3/16/2020							<0.04
9/11/2020					0.0057 (J)		
9/14/2020	<0.04	<0.04		<0.04		<0.04	
9/15/2020			<0.04				
9/16/2020							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	<0.04	<0.04	<0.04	<0.04			
3/15/2021					0.01 (J)	0.0066 (J)	
3/17/2021							<0.04
8/4/2021				<0.04			
8/5/2021	<0.04	<0.04	<0.04			<0.04	
8/9/2021							<0.04
8/11/2021					<0.04		
1/31/2022	<0.04			<0.04			
2/1/2022		0.011 (J)	0.01 (J)		<0.04	0.0087 (J)	
2/2/2022							<0.04
8/15/2022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
8/16/2022							<0.04
2/14/2023	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
2/20/2023							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.04	
3/29/2016	<0.04	<0.04				
3/30/2016				<0.04		<0.04
5/24/2016	<0.04	<0.04		<0.04		
5/25/2016					<0.04	
5/26/2016						<0.04
5/31/2016			<0.04			
8/1/2016	<0.04	<0.04				
8/2/2016			<0.04	<0.04	<0.04	
8/5/2016						<0.04
9/26/2016	<0.04	<0.04			<0.04	
9/27/2016			0.0073 (J)	<0.04		
9/28/2016						<0.04
11/14/2016		<0.04				
11/18/2016	<0.04					
11/21/2016			0.008 (J)		<0.04	<0.04
11/22/2016				0.0115 (J)		
2/1/2017	<0.04	<0.04	<0.04			
2/3/2017					<0.04	
2/6/2017				<0.04		<0.04
4/6/2017	<0.04	<0.04	<0.04	<0.04		<0.04
4/7/2017					<0.04	
6/13/2017	<0.04	<0.04	<0.04		<0.04	<0.04
6/14/2017				<0.04		
7/14/2017			0.007 (J)			
10/3/2017	<0.04	<0.04	<0.04		<0.04	<0.04
10/4/2017				<0.04		
3/19/2018	<0.04					
3/20/2018		0.0073 (J)	0.0064 (J)		<0.04	0.0096 (J)
3/21/2018				<0.04		
9/17/2018	<0.04	0.0046 (J)				
9/18/2018			0.0045 (J)	<0.04	<0.04	<0.04 (D)
3/21/2019	<0.04	<0.04	<0.04			0.006 (J)
3/27/2019				0.0078 (J)		
5/6/2019					0.0065 (J)	
9/13/2019			0.0065 (J)			
9/16/2019	<0.04	<0.04		<0.04 (D)	<0.04	<0.04
3/12/2020	0.0061 (J)	0.0052 (J)	0.0057 (J)	<0.04		0.0058 (J)
3/16/2020					<0.04	
9/16/2020	<0.04	<0.04	0.0052 (J)			
9/17/2020				<0.04	<0.04	<0.04
3/17/2021	<0.04	<0.04	<0.04	<0.04		
3/18/2021					<0.04	<0.04
8/10/2021	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
2/2/2022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
8/17/2022	<0.04	<0.04	0.011 (J)	<0.04	0.012 (J)	<0.04
2/17/2023	<0.04	<0.04				
2/20/2023			<0.04		<0.04	
2/21/2023				<0.04		<0.04

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005	
10/23/2007	<0.0005						
10/24/2007		<0.0005	<0.0005				
11/2/2007						<0.0005	
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005	
1/30/2008	<0.0005						
1/31/2008		<0.0005	<0.0005			<0.0005	
3/10/2008	<0.0005		<0.0005				
3/11/2008		<0.0005				<0.0005	
5/6/2008		<0.0005					
5/13/2008	<0.0005		<0.0005				
5/14/2008						<0.0005	
12/4/2008		<0.0005	<0.0005				
12/5/2008	<0.0005					<0.0005	
4/15/2009	<0.0005					<0.0005	
4/21/2009		<0.0005	<0.0005				
10/7/2009	<0.0005	<0.0005					
10/8/2009			<0.0005			<0.0005	
4/21/2010			<0.0005				
4/26/2010		<0.0005					
4/28/2010						<0.0005	
5/3/2010	<0.0005						
9/28/2010			<0.0005				
10/4/2010		<0.0005					
10/6/2010						<0.0005	
10/12/2010	<0.0005						
4/12/2011			<0.0005				
4/13/2011		<0.0005					
4/21/2011						<0.0005	
4/27/2011	<0.0005						
10/4/2011			<0.0005				
10/5/2011		<0.0005					
10/13/2011						<0.0005	
10/17/2011	<0.0005						
4/3/2012			<0.0005				
4/11/2012		<0.0005					
5/1/2012						<0.0005	
5/2/2012	<0.0005						
10/8/2012	<0.0005						
10/9/2012		<0.0005	<0.0005			<0.0005	
4/11/2013			<0.0005			<0.0005	
4/12/2013	<0.0005						
4/15/2013		<0.0005					
10/15/2013		<0.0005					
10/16/2013	<0.0005		<0.0005			<0.0005	
4/10/2014			<0.0005				
4/11/2014	<0.0005						
4/22/2014		<0.0005					
4/23/2014						<0.0005	
9/30/2014	<0.0005	<0.0005	<0.0005				
10/4/2014						<0.0005	
3/30/2015	<0.0005	<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.0005	
10/12/2015						<0.0005	
10/13/2015	0.0003 (J)	<0.0005	<0.0005				
3/14/2016					0.000188 (J)		
3/15/2016							<0.0005
3/22/2016	<0.0005						
3/23/2016		<0.0005	<0.0005			<0.0005	
5/11/2016					0.000177 (J)		<0.0005
5/16/2016				<0.0005 (D)			
5/19/2016	<0.0005		<0.0005				
5/20/2016		<0.0005					
5/23/2016						<0.0005	
7/19/2016					0.0001 (J)		
7/21/2016							<0.0005
7/27/2016				0.0001 (JD)			
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005	
9/15/2016					8E-05 (J)		<0.0005
9/22/2016			<0.0005			<0.0005	
9/23/2016	<0.0005	<0.0005					
11/2/2016					<0.0005		
11/3/2016							<0.0005
11/9/2016	<0.0005	<0.0005					
11/10/2016			<0.0005			<0.0005	
1/17/2017							<0.0005
1/18/2017					<0.0005		
1/30/2017	<0.0005						
1/31/2017		<0.0005	<0.0005			<0.0005	
2/21/2017				<0.0005			
3/24/2017							<0.0005
3/27/2017				<0.0005 (D)			
3/28/2017					<0.0005		
3/30/2017	<0.0005	<0.0005				<0.0005	
4/3/2017			<0.0005				
5/24/2017							<0.0005
6/7/2017					<0.0005		
6/8/2017				<0.0005 (D)			
6/9/2017	<0.0005		<0.0005				
6/12/2017		<0.0005				<0.0005	
7/17/2017				<0.0005 (D)			
7/27/2017				<0.0005			
8/9/2017				<0.0005			
9/26/2017					<0.0005		<0.0005
9/29/2017				<0.0005 (D)			
10/2/2017	<0.0005	<0.0005	<0.0005				
10/4/2017						<0.0005	
3/14/2018					<0.0005		<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005			
3/19/2018		<0.0005				<0.0005	
9/12/2018					<0.0005		<0.0005
9/14/2018		<0.0005	<0.0005	<0.0005			
9/17/2018	0.00076 (JD)					<0.0005	
3/13/2019							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.0005			
3/15/2019					<0.0005		
3/19/2019			<0.0005				
3/20/2019	<0.0005	<0.0005				<0.0005	
9/9/2019					<0.0005		<0.0005
9/12/2019	<0.0005	<0.0005 (D)					
9/13/2019			<0.0005			<0.0005	
3/9/2020				<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005	
9/10/2020					<0.0005		
9/11/2020							<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005				
9/16/2020				<0.0005			
3/10/2021							<0.0005
3/12/2021					<0.0005		
3/16/2021	<0.0005		<0.0005	<0.0005			
3/17/2021		<0.0005					
3/29/2021						<0.0005	
8/4/2021					<0.0005		<0.0005
8/6/2021				<0.0005			
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005	
1/31/2022					<0.0005		<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005				
2/2/2022				<0.0005		<0.0005	
8/10/2022					<0.0005		
8/12/2022							<0.0005
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
2/13/2023					<0.0005		<0.0005
2/14/2023				<0.0005			
2/16/2023	<0.0005	<0.0005	<0.0005				
2/17/2023						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.0005
4/23/2009							<0.0005
10/6/2009							<0.0005
4/27/2010							<0.0005
9/30/2010							<0.0005
4/14/2011							<0.0005
10/5/2011							<0.0005
4/11/2012							<0.0005
10/2/2012							<0.0005
4/9/2013							<0.0005
10/15/2013							<0.0005
4/10/2014							<0.0005
10/1/2014							<0.0005
3/30/2015							<0.0005
10/11/2015							0.00026 (J)
3/11/2016			0.000121 (J)	<0.0005	<0.0005		
3/15/2016	<0.0005	<0.0005					
3/28/2016							<0.0005
5/12/2016	<0.0005						
5/13/2016		<0.0005		<0.0005	<0.0005		
5/16/2016			0.000145 (J)				
5/23/2016							<0.0005
7/19/2016				<0.0005	<0.0005		
7/20/2016	<0.0005						
7/21/2016		<0.0005					
7/22/2016			<0.0005				
8/1/2016							<0.0005
9/15/2016	<0.0005						
9/16/2016				<0.0005	<0.0005		
9/19/2016			0.0001 (J)				
9/21/2016		<0.0005					
9/26/2016							<0.0005
11/2/2016				<0.0005	<0.0005		
11/3/2016	<0.0005	<0.0005	8E-05 (J)				
11/10/2016							<0.0005
1/17/2017		<0.0005	0.0001 (J)				
1/18/2017	<0.0005			<0.0005	<0.0005		
1/30/2017							<0.0005
2/22/2017						<0.0005	
3/24/2017	<0.0005						
3/27/2017		<0.0005	0.0002 (J)				
3/28/2017				<0.0005	<0.0005		
4/7/2017						<0.0005	<0.0005
6/6/2017	<0.0005	<0.0005		8E-05 (J)	<0.0005		
6/7/2017			0.0001 (J)				
6/12/2017							<0.0005
6/14/2017						<0.0005 (D)	
7/12/2017						<0.0005 (D)	
7/20/2017						<0.0005 (D)	
7/28/2017						<0.0005	
8/9/2017						<0.0005	
8/24/2017						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.0005	<0.0005		
9/25/2017	<0.0005	<0.0005					
9/26/2017			<0.0005				
10/2/2017							<0.0005
10/3/2017						<0.0005 (D)	
3/14/2018	<0.0005	<0.0005	0.00011 (J)	<0.0005			
3/15/2018					<0.0005		
3/16/2018							<0.0005
3/21/2018						<0.0005	
9/12/2018	<0.0005	<0.0005		<0.0005	<0.0005		
9/14/2018			0.00013 (J)				
9/17/2018							<0.0005
9/18/2018						<0.0005	
3/13/2019				<0.0005	<0.0005		
3/14/2019	<0.0005	<0.0005	0.00013 (J)				
3/19/2019							<0.0005
3/21/2019						<0.0005 (D)	
9/10/2019	<0.0005 (D)	<0.0005	0.00014 (J)				
9/11/2019				<0.0005	<0.0005		
9/12/2019						<0.0005 (D)	
9/13/2019							<0.0005
3/6/2020	<0.0005		0.00014 (J)				
3/9/2020		<0.0005		<0.0005	<0.0005		
3/11/2020							<0.0005
3/12/2020						<0.0005	
9/10/2020	<0.0005	<0.0005	0.00015 (J)				
9/11/2020				<0.0005			
9/14/2020					<0.0005		
9/16/2020							<0.0005
9/17/2020						<0.0005	
3/10/2021		<0.0005					
3/11/2021	<0.0005		0.00017 (J)	<0.0005	<0.0005		
3/16/2021						<0.0005	
3/17/2021							0.00012 (J)
8/4/2021	<0.0005	<0.0005	0.00014 (J)				
8/5/2021					<0.0005		
8/6/2021				<0.0005			
8/9/2021							<0.0005
8/10/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	0.00018 (J)	<0.0005	<0.0005		
2/1/2022							<0.0005
2/3/2022						<0.0005	
8/10/2022			0.00034 (J)		<0.0005		
8/11/2022	<0.0005	<0.0005		<0.0005			
8/16/2022							<0.0005
8/17/2022						<0.0005	
2/13/2023	<0.0005	<0.0005	<0.0005		<0.0005		
2/14/2023				<0.0005			
2/16/2023							<0.0005
2/17/2023						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005
11/18/2007				<0.0005	<0.0005		
11/19/2007						<0.001	<0.0005
11/20/2007		<0.0005	<0.0005				
1/16/2008						<0.001	
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2008							<0.0005
3/5/2008				<0.0005		<0.001	<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005		
5/7/2008				<0.0005	<0.0005		
5/8/2008			<0.0005				
5/12/2008		<0.0005					<0.0005
5/13/2008						<0.001	
12/12/2008	<0.0005						
12/13/2008		<0.0005				<0.001	<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005		
4/16/2009						<0.001	
4/23/2009	<0.0005						
4/28/2009							<0.0005
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009	<0.0005						
10/20/2009		<0.0005					
10/21/2009			<0.0005			<0.001	<0.0005
10/22/2009				<0.0005	<0.0005		
4/21/2010			<0.0005	<0.0005	<0.0005		
4/26/2010		<0.0005					
4/27/2010						<0.001	
4/28/2010							<0.0005
5/3/2010	<0.0005						
9/28/2010			<0.0005	<0.0005			
9/29/2010		<0.0005			<0.0005		
10/5/2010						<0.001	<0.0005
10/11/2010	<0.0005						
4/12/2011			<0.0005	<0.0005			
4/13/2011		<0.0005			<0.0005		
4/19/2011						<0.001	<0.0005
4/27/2011	<0.0005						
10/4/2011			<0.0005	<0.0005	<0.0005		
10/5/2011		<0.0005					
10/12/2011						<0.001	
10/18/2011							<0.0005
10/19/2011	<0.0005						
4/3/2012			<0.0005	<0.0005			
4/4/2012		<0.0005			<0.0005		
4/24/2012						<0.001	
4/25/2012							<0.0005
5/1/2012	<0.0005						
10/2/2012	<0.0005					<0.001	<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005		
10/8/2012			<0.0005				
4/2/2013						<0.001	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2013	<0.0005						
10/8/2013							<0.0005
10/9/2013				<0.0005	<0.0005	<0.001	
10/15/2013		<0.0005	<0.0005				
10/16/2013	<0.0005						
4/1/2014						<0.001	<0.0005
4/2/2014				<0.0005	<0.0005		
4/9/2014		<0.0005	<0.0005				
4/22/2014	<0.0005						
10/1/2014	<0.0005						<0.0005
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
3/30/2015	<0.0005						
4/1/2015				<0.0005	0.00033 (J)	<0.001	<0.0005
4/2/2015		<0.0005	<0.0005				
10/10/2015		<0.0005					
10/11/2015	<0.0005			<0.0005	0.00056 (J)		
10/12/2015			<0.0005				
10/14/2015						0.00025 (J)	
10/15/2015							<0.0005
3/28/2016	<0.0005						
3/31/2016		<0.0005	<0.0005				
4/4/2016				<0.0005	<0.0005	0.000136 (J)	<0.0005
5/25/2016	<0.0005						
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005		
5/27/2016						0.000131 (J)	
5/31/2016							<0.0005
8/1/2016	<0.0005						
8/3/2016			<0.0005	<0.0005		<0.001	
8/4/2016					<0.0005		<0.0005
8/5/2016		<0.0005					
9/26/2016	<0.0005						
9/28/2016		<0.0005	0.0002 (J)	<0.0005	<0.0005		
9/29/2016							<0.0005
9/30/2016						9E-05 (J)	
11/11/2016	<0.0005						
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
11/28/2016							<0.0005
1/30/2017	<0.0005						
2/7/2017		<0.0005	<0.0005				
2/8/2017				<0.0005	<0.0005		
2/9/2017							<0.0005
2/13/2017						0.0001 (J)	
4/3/2017	<0.0005						
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005		
4/11/2017						0.0003 (J)	
4/12/2017							<0.0005
6/12/2017	<0.0005						
6/14/2017		<0.0005	<0.0005			0.0003 (J)	
6/15/2017				<0.0005	<0.0005		
6/16/2017							<0.0005
10/2/2017	<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	0.0002 (J)	
10/9/2017							<0.0005
3/16/2018	<0.0005						
3/20/2018		<0.0005					
3/21/2018			<0.0005	<0.0005			<0.0005
3/22/2018					<0.0005	0.00032 (J)	
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00057 (J)	
9/19/2018							<0.0005
3/19/2019	<0.0005						
3/22/2019		<0.0005	<0.0005				
3/23/2019				<0.0005	<0.0005	0.00035 (J)	<0.0005
9/12/2019	<0.0005						
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	0.000575 (JD)	
9/18/2019							<0.0005
3/11/2020	<0.0005						
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	0.00089 (J)	
3/13/2020							<0.0005
9/15/2020	<0.0005						
9/17/2020		<0.0005	<0.0005				
9/21/2020				<0.0005	<0.0005	0.00025 (J)	
9/22/2020							<0.0005
3/17/2021	<0.0005						
3/18/2021		<0.0005	<0.0005				<0.0005
3/19/2021				<0.0005	<0.0005	0.00027 (J)	
8/9/2021	<0.0005						
8/10/2021		<0.0005					
8/11/2021			<0.0005	<0.0005	<0.0005	0.00048 (J)	<0.0005
2/2/2022	<0.0005					0.0012	
2/4/2022		<0.0005	<0.0005	<0.0005	<0.0005		
2/17/2022							<0.0005
4/28/2022						0.00067	
8/17/2022	<0.0005	0.00018 (J)					
8/18/2022			<0.0005	<0.0005	<0.0005	0.00052	<0.0005
2/16/2023	<0.0005						
2/20/2023		<0.0005	<0.0005	<0.0005	<0.0005		
2/21/2023						0.0004 (J)	
2/22/2023							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.0005						
8/23/2007			<0.0005				
8/24/2007		<0.0005		<0.0005			
11/1/2007	<0.0005						
11/2/2007		<0.0005	<0.0005	<0.0005			
11/17/2007		<0.0005	<0.0005				
11/18/2007				<0.0005			
11/19/2007	<0.0005						
1/15/2008		<0.0005	<0.0005	<0.0005			
1/31/2008	<0.0005						
3/5/2008	<0.0005	<0.0005					
3/6/2008			<0.0005				
3/10/2008				<0.0005			
5/7/2008	<0.0005	<0.0005	<0.0005				
5/13/2008				<0.0005			
12/2/2008		<0.0005	<0.0005	<0.0005			
12/12/2008	<0.0005						
4/16/2009		<0.0005					
4/28/2009			<0.0005	<0.0005			
4/29/2009	<0.0005						
10/19/2009			<0.0005				
10/20/2009		<0.0005		<0.0005			
10/21/2009	<0.0005						
4/20/2010		<0.0005					
4/27/2010			<0.0005	<0.0005			
4/28/2010	<0.0005						
9/29/2010		<0.0005					
10/4/2010			<0.0005				
10/5/2010				<0.0005			
10/6/2010	<0.0005						
4/12/2011		<0.0005					
4/18/2011			<0.0005				
4/19/2011				<0.0005			
4/20/2011	<0.0005						
10/4/2011		<0.0005					
10/12/2011	<0.0005		<0.0005	<0.0005			
4/4/2012		<0.0005					
4/23/2012			<0.0005				
4/25/2012	<0.0005			<0.0005			
10/2/2012	<0.0005						
10/10/2012		<0.0005	<0.0005	<0.0005			
4/2/2013	<0.0005						
4/15/2013		<0.0005	<0.0005				
4/16/2013				<0.0005			
10/8/2013	<0.0005						
10/22/2013		<0.0005	<0.0005	<0.0005			
4/1/2014	<0.0005						
4/21/2014		<0.0005	<0.0005	<0.0005			
9/30/2014		<0.0005	<0.0005	<0.0005			
10/1/2014	<0.0005						
3/31/2015	<0.0005						
4/3/2015		<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.0005			
10/7/2015		<0.0005	0.00028 (J)				
10/14/2015	<0.0005						
3/16/2016					<0.0005	<0.0005	0.000113 (J)
4/4/2016	<0.0005						
4/5/2016		<0.0005	0.000194 (J)	<0.0005			
5/16/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
5/31/2016			0.000206 (J)	<0.0005			
6/1/2016	<0.0005	<0.0005					
7/25/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
8/4/2016			<0.0005				
8/9/2016		<0.0005					
9/19/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
9/29/2016			0.0002 (J)				
11/3/2016					<0.0005		<0.0005 (D)
11/4/2016						<0.0005 (D)	
11/23/2016			0.0001 (J)	<0.0005			
11/28/2016		<0.0005					
1/19/2017					<0.0005		
1/20/2017							<0.0005 (D)
1/23/2017						<0.0005 (D)	
2/9/2017		0.0001 (J)					
2/10/2017			<0.0005	<0.0005			
2/22/2017	<0.0005						
3/28/2017					<0.0005		
3/29/2017						<0.0005 (D)	<0.0005 (D)
4/11/2017	<0.0005	<0.0005		<0.0005			
4/12/2017			<0.0005				
6/5/2017					8E-05 (J)		
6/7/2017						<0.0005	<0.0005
6/14/2017		<0.0005					
6/15/2017			<0.0005	<0.0005			
6/16/2017	<0.0005						
7/12/2017	<0.0005	<0.0005		<0.0005			
7/26/2017				<0.0005			
7/28/2017	<0.0005						
8/10/2017	<0.0005						
9/26/2017					<0.0005		
9/27/2017						<0.0005	<0.0005
10/5/2017		<0.0005					
10/6/2017	<0.0005		<0.0005	<0.0005			
3/15/2018					<0.0005	<0.0005	<0.0005
3/22/2018		<0.0005					
3/23/2018	<0.0005		<0.0005	<0.0005			
9/12/2018					<0.0005		
9/13/2018						<0.0005	<0.0005
9/19/2018		<0.0005	<0.0005	<0.0005			
9/20/2018	<0.0005						
3/14/2019					<0.0005	<0.0005 (D)	<0.0005 (D)
3/22/2019	<0.0005	<0.0005		<0.0005			
3/25/2019			<0.0005				
9/11/2019					<0.0005	<0.0005 (D)	<0.0005 (D)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.0005	<0.0005	<0.0005			
9/18/2019	<0.0005						
3/10/2020					<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005	<0.0005	<0.0005			
3/17/2020	<0.0005						
9/11/2020						<0.0005	<0.0005
9/15/2020					<0.0005		
9/21/2020		<0.0005	<0.0005	<0.0005			
9/22/2020	<0.0005						
3/11/2021					<0.0005	<0.0005	<0.0005
3/18/2021		<0.0005	<0.0005	<0.0005			
3/19/2021	<0.0005						
8/4/2021					<0.0005		
8/6/2021						<0.0005	<0.0005
8/11/2021		<0.0005	<0.0005	<0.0005			
8/12/2021	<0.0005						
1/31/2022					<0.0005		
2/1/2022						<0.0005	<0.0005
2/4/2022	<0.0005	<0.0005	<0.0005				
2/7/2022				<0.0005			
8/12/2022						<0.0005	<0.0005
8/15/2022					<0.0005		
8/18/2022		<0.0005					
8/19/2022	<0.0005		<0.0005	<0.0005			
2/14/2023					<0.0005	<0.0005	<0.0005
2/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.0005
10/25/2007							<0.0005
11/19/2007							<0.0005
1/23/2008							<0.0005
3/11/2008							<0.0005
5/12/2008							<0.0005
12/11/2008							<0.0005
4/15/2009							<0.0005
10/9/2009							<0.0005
5/4/2010							<0.0005
10/12/2010							<0.0005
4/28/2011							<0.0005
10/19/2011							<0.0005
5/2/2012							<0.0005
10/9/2012							<0.0005
4/11/2013							<0.0005
10/16/2013							<0.0005
4/23/2014							<0.0005
10/3/2014							0.00033 (J)
3/31/2015							<0.0005
10/12/2015							<0.0005
3/10/2016	<0.0005	<0.0005	<0.0005	0.000148 (J)			
3/17/2016					<0.0005	<0.0005	
3/28/2016							0.000102 (J)
5/17/2016	<0.0005			0.000251 (J)			
5/18/2016		<0.0005	<0.0005		<0.0005	<0.0005	
5/25/2016							0.000148 (J)
7/26/2016	<0.0005						
7/27/2016		<0.0005	<0.0005	0.0002 (J)	<0.0005		
7/28/2016						<0.0005	
8/1/2016							0.0001 (J)
9/20/2016	<0.0005	8E-05 (J)	<0.0005	0.0002 (J)			
9/21/2016					<0.0005	9E-05 (J)	
9/27/2016							0.0001 (J)
11/4/2016	<0.0005		<0.0005	0.0001 (J)	<0.0005		
11/7/2016		<0.0005				0.0001 (J)	
11/11/2016							9E-05 (J)
1/20/2017	<0.0005		<0.0005				
1/23/2017		<0.0005		<0.001			
1/24/2017					<0.0005	0.0002 (J)	
1/31/2017							<0.0005
3/28/2017	<0.0005			0.0001 (J)			
3/29/2017		<0.0005	<0.0005		<0.0005		
3/30/2017						0.0002 (J)	
4/3/2017							0.0001 (J)
6/7/2017	<0.0005						
6/8/2017		<0.0005	<0.0005	0.0002 (J)	<0.0005		
6/9/2017						0.0002 (J)	
6/12/2017							<0.0005
9/27/2017		<0.0005	<0.0005				
9/29/2017	<0.0005			0.0002 (J)	<0.0005	0.0002 (J)	
10/3/2017							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.0005	9.3E-05 (J)		0.00018 (J)	<0.0005	0.0001 (J)	
3/16/2018			<0.0005				
3/19/2018							<0.0005
9/13/2018	<0.0005	<0.0005	<0.0005	0.00012 (J)	<0.0005		
9/14/2018						<0.0005	
9/17/2018							<0.0005
3/15/2019		0.00015 (J)		0.00018 (J)			
3/18/2019	<0.0005				<0.0005		
3/19/2019			<0.0005			<0.0005	
3/20/2019							<0.0005
9/11/2019	<0.0005		<0.0005	0.00021 (JD)	<0.0005	<0.0005	
9/12/2019		<0.0005					
9/16/2019							<0.0005
3/9/2020		0.00015 (J)	<0.0005	0.00016 (J)		<0.0005	
3/10/2020	<0.0005						
3/11/2020					<0.0005		
3/16/2020							<0.0005
9/11/2020					<0.0005		
9/14/2020	<0.0005	0.00014 (J)		0.00019 (J)		<0.0005	
9/15/2020			<0.0005				
9/16/2020							<0.0005
3/11/2021	<0.0005	0.00018 (J)	<0.0005	0.00021 (J)			
3/15/2021					<0.0005	<0.0005	
3/17/2021							0.00013 (J)
8/4/2021				0.0002 (J)			
8/5/2021	<0.0005	<0.0005	<0.0005			<0.0005	
8/9/2021							<0.0005
8/11/2021					<0.0005		
1/31/2022	<0.0005			0.0002 (J)			
2/1/2022		0.00014 (J)	<0.0005		<0.0005	<0.0005	
2/2/2022							<0.0005
8/15/2022	<0.0005	<0.0005	0.00016 (J)	0.00022 (J)	<0.0005	<0.0005	
8/16/2022							<0.0005
2/14/2023	<0.0005	<0.0005	<0.0005	0.00015 (J)	<0.0005	<0.0005	
2/20/2023							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				<0.0005		
10/3/2014	<0.0005					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	8E-05 (J)	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	8E-05 (J)					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				<0.0005		
2/1/2017	<0.0005	<0.0005	9E-05 (J)			
2/3/2017					0.0001 (J)	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		0.0002 (J)	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005
3/17/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2021					<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/17/2023	<0.0005	<0.0005				
2/20/2023			<0.0005		<0.0005	
2/21/2023				<0.0005		<0.0005

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					20		
3/15/2016							24
3/22/2016	32.6						
3/23/2016		54.1	46.5			2.05	
5/11/2016					9.76		22.1
5/16/2016				27.8 (D)			
5/19/2016	33.4		24.6				
5/20/2016		23.9					
5/23/2016						1.29	
7/19/2016					3.04		
7/21/2016							19.3
7/27/2016				21.2 (D)			
7/29/2016	26	25.3	14.9			1.29	
9/15/2016					4.78		18.2
9/22/2016			15			1.51	
9/23/2016	28.8	26.6					
11/2/2016					2.46		
11/3/2016							18.2
11/9/2016	27.9	16.1					
11/10/2016			12.6			1.54	
1/17/2017							22
1/18/2017					5.46		
1/30/2017	29.2						
1/31/2017		5.68	16.5			1.34	
2/21/2017				31.7 (D)			
3/24/2017							21.1
3/27/2017				31.9 (D)			
3/28/2017					13		
3/30/2017	30	25.2				1.31	
4/3/2017			16.6				
5/24/2017							23.5
6/7/2017					17		
6/8/2017				35 (D)			
6/9/2017	30.9		17.8				
6/12/2017		34.2				1.4	
7/17/2017				35.9 (D)			
7/27/2017				34.9 (D)			
8/9/2017				33.7 (D)			
9/26/2017					24.9		24.1
9/29/2017				33.4 (D)			
10/2/2017	31.5	1.69	20.6				
10/4/2017						1.13	
12/28/2017					17.9 (Y)		
3/14/2018					26.4		25.7
3/16/2018	28.5		33	32.6			
3/19/2018		63				1.2	
9/12/2018					25.1		18.4 (J)
9/14/2018		2.4	22.8 (J)	29.2			
9/17/2018	30.8					0.95	
3/13/2019							23.8 (X)
3/14/2019				33			
3/15/2019					20.3 (X)		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			31	13	30		
3/15/2016	24	38					
3/28/2016							3.89
5/12/2016	15.5						
5/13/2016		36		18.7	27.8		
5/16/2016			32				
5/23/2016							2.16
7/19/2016				12	25.3		
7/20/2016	16.5						
7/21/2016		33.5					
7/22/2016			28.5				
8/1/2016							1.37
9/15/2016	6.1						
9/16/2016				8.48	27.5		
9/19/2016			28.6				
9/21/2016		31.9					
9/26/2016							1.86
11/2/2016				11.4	26.2		
11/3/2016	13.7	28.9	26.6				
11/10/2016							1.86
1/17/2017		31.4	28.7				
1/18/2017	13.1			6.81	26.6		
1/30/2017							2.86
2/22/2017						54.7 (D)	
3/24/2017	17.3						
3/27/2017		31.7	30.4				
3/28/2017				5.61	29		
4/7/2017						46.8 (D)	2.34
6/6/2017	29.1	42.9		4.99	29.3		
6/7/2017			31.3				
6/12/2017							1.87
6/14/2017						52.4 (D)	
7/12/2017						51.1 (D)	
7/20/2017						47.5 (D)	
7/28/2017						44 (D)	
8/9/2017						48.3 (D)	
8/24/2017						41.9 (D)	
9/22/2017				4.24	32.2		
9/25/2017	17.6	29.3					
9/26/2017			29.5				
10/2/2017							2.53
10/3/2017						47.7 (D)	
12/28/2017					29 (Y)		
3/14/2018	39.6	41.4	32.6	3.6			
3/15/2018					28		
3/16/2018							1.8
3/21/2018						47.5	
9/12/2018	14.2 (J)	29		3.7	28.7		
9/14/2018			30.5				
9/17/2018							2.3
9/18/2018						48.1	
3/13/2019				2.9	29.2		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	7.04						
3/31/2016		36.4	45				
4/4/2016				21.3	27.9	8.63	36.9
5/25/2016	13.5						
5/26/2016		37.6	41.7	22.5	28.7		
5/27/2016						9.07	
5/31/2016							43.9
8/1/2016	2.2						
8/3/2016			35.2	17.5		6.82	
8/4/2016					18.6		45
8/5/2016		30.7					
9/26/2016	5.72						
9/28/2016		32.4	39.2	24.1	17.7		
9/29/2016							60.5
9/30/2016						8.8	
11/11/2016	2.5						
11/22/2016		31.4	37.2	15.7	20.2	8.08	
11/28/2016							54.7
1/30/2017	2.01						
2/7/2017		30.1	38.4				
2/8/2017				18.3	24.3		
2/9/2017							61
2/13/2017						8.51	
4/3/2017	6.26						
4/10/2017		23.6	38.7	18.5	29		
4/11/2017						7.5	
4/12/2017							52.3
6/12/2017	7.44						
6/14/2017		34.6	40.8			7.82	
6/15/2017				21	29		
6/16/2017							62.3
10/2/2017	6.55						
10/4/2017		35.2	40.1	9.4	23.9	8.32	
10/9/2017							58.6
3/16/2018	2.6						
3/20/2018		12 (J)					
3/21/2018			43.3	19.7 (J)			40.9
3/22/2018					27.5	7.5	
9/18/2018	1.3	36.7	45.4	17.6 (J)	26.3	8.2	
9/19/2018							45.9
3/19/2019	4.6						
3/22/2019		15.4 (J)	37.2				
3/23/2019				7.8	28.3	7.5	29.6
9/12/2019	3.7						
9/17/2019		36.7	40.5	16.8	27.6	7.8	
9/18/2019							40.7
3/11/2020	1.2						
3/12/2020		18.6	43.2	8	32.5	8.1	
3/13/2020							33
9/15/2020	0.94 (J)						
9/17/2020		32.6	39				
9/21/2020				17.7	26	8	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							43.1
3/17/2021	5.4						
3/18/2021		27	43.8				30.8
3/19/2021				19.7	31.3	7.8	
8/9/2021	1.7						
8/10/2021		29.4					
8/11/2021			44.3	9.1	33.2	8.4	28.4
2/2/2022	0.93 (J)					8.4	
2/4/2022		21.3	46.3	19.2	34.8		
2/17/2022							29.3
8/17/2022	3.8	36.7					
8/18/2022			48.5	10.2	36.9	9.2	33
2/16/2023	0.81 (J)						
2/20/2023		9	46.2	7.4	32.5		
2/21/2023						7.9	
2/22/2023							26.3

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					5.5	0.8	36
4/4/2016	26.5						
4/5/2016		35.7	37.7	12.2			
5/16/2016					4.3	0.877 (D)	37.4 (D)
5/31/2016			38.4	8.24			
6/1/2016	26.6	28.2					
7/25/2016					1.41	0.781 (D)	30.2 (D)
8/4/2016			28.6				
8/9/2016		43					
9/19/2016					1.01	0.775 (D)	32.3 (D)
9/29/2016			31.4				
11/3/2016					0.884		29.3 (D)
11/4/2016						0.792 (D)	
11/23/2016			62.5 (o)	24.5			
11/28/2016		24.8					
1/19/2017					1.41		
1/20/2017							28.7 (D)
1/23/2017						0.782 (D)	
2/9/2017		21.2					
2/10/2017			31.2	23.8			
2/22/2017	51.6						
3/28/2017					4.23		
3/29/2017						0.756 (D)	34.9 (D)
4/11/2017	45.2	21.1		25.7			
4/12/2017			34.1				
6/5/2017					10.1		
6/7/2017						0.944	30.9
6/14/2017		20.6					
6/15/2017			34.2	24.8			
6/16/2017	47.5						
7/12/2017	51.6	17.7		27.7			
7/26/2017				25.6			
7/28/2017	46						
8/10/2017	52.2						
9/26/2017					4.14		
9/27/2017						0.773	34.2
10/5/2017		20.1					
10/6/2017	42.2		35.4	24.7			
3/15/2018					9	0.77	34.6
3/22/2018		18.6 (J)					
3/23/2018	41.4		35.6	24.3 (J)			
9/12/2018					4.1		
9/13/2018						0.79	36.1
9/19/2018		20 (J)	35.7	23.7 (J)			
9/20/2018	47.5						
3/14/2019					17.2 (X)	0.9 (D)	37 (D)
3/22/2019	40.5	16.7 (J)		21.3 (J)			
3/25/2019			35.6				
9/11/2019					7.1	0.83 (D)	37.2 (D)
9/17/2019		11.4	39.5	22.1			
9/18/2019	42.9						
3/10/2020					16.9	0.89 (J)	43.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		17	41	24.2			
3/17/2020	44.9						
9/11/2020						0.81 (J)	35.3
9/15/2020					8.3		
9/21/2020		13.1	36.5	22.6			
9/22/2020	47.7						
3/11/2021					11.9	0.93 (J)	43.1
3/18/2021		13	42.1	27.4			
3/19/2021	43						
8/4/2021					12.5		
8/6/2021						0.94 (J)	40.6
8/11/2021		14.3	38.6	25.4			
8/12/2021	43.1						
1/31/2022					11.2		
2/1/2022						1.1	43.9
2/4/2022	43.9	14.3	41.7				
2/7/2022				26.1			
8/12/2022						1.1	43.3
8/15/2022					10.6		
8/18/2022		14.7					
8/19/2022	47.3		40.4	28.1			
2/14/2023					12.5	1	47.5
2/22/2023	40.1	14.3	38.1	24.4			

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	50	26	25	12			
3/17/2016					24	6.4	
3/28/2016							4.29
5/17/2016	50.5			3.25			
5/18/2016		26.2	27.6		27.7	4.63	
5/25/2016							7.15
7/26/2016	40.7						
7/27/2016		19.3	23.9	3.2	21.7		
7/28/2016						2.25	
8/1/2016							3.35
9/20/2016	38.8	25.3	28.9	2.72			
9/21/2016					24.9	1.86	
9/27/2016							2.89
11/4/2016	40.7		32.1	1.69	23.6		
11/7/2016		23.6				1.65	
11/11/2016							3.33
1/20/2017	38.8		31.8				
1/23/2017		25.1		<0.5			
1/24/2017					23	1.62	
1/31/2017							3.21
3/28/2017	48.3			1.72			
3/29/2017		28.9	34.6		27.5		
3/30/2017						1.27	
4/3/2017							2.57
6/7/2017	43.4						
6/8/2017		25.6	34	3.11	27.1		
6/9/2017						1.18	
6/12/2017							6.22
9/27/2017		23.8	30.8				
9/29/2017	46.6			2.71	25.3	0.967	
10/3/2017							2.45
3/15/2018	46.2	21.6 (J)		3.5	24.4 (J)	0.81	
3/16/2018			30.2				
3/19/2018							3.3
9/13/2018	45.3	23.8 (J)	30.9	2.5	22.8 (J)		
9/14/2018						0.7	
9/17/2018							2
3/15/2019		20.4 (X)		4.4			
3/18/2019	46.1				31		
3/19/2019			28.4			1.1	
3/20/2019							2.7
9/11/2019	43.1		33.3	2.9	24.3	0.78	
9/12/2019		21.1					
9/16/2019							2.8
3/9/2020		22.3	35	4.5		0.87 (J)	
3/10/2020	51.6						
3/11/2020					27.1		
3/16/2020							12.1
9/11/2020					24.7		
9/14/2020	40.2	20.9		3.5		0.65 (J)	
9/15/2020			31.6				
9/16/2020							2.8

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	45.2	21.1	31.8	5.9			
3/15/2021					24.7	0.69 (J)	
3/17/2021							3
8/4/2021				2.8			
8/5/2021	43.7	20.4	29			0.67 (J)	
8/9/2021							2.6
8/11/2021					27.4		
1/31/2022	39.9			2.8			
2/1/2022		21.3	29.4		26	0.62 (J)	
2/2/2022							3.7
8/15/2022	38.7	33.7 (J)	22.3	5.6	25.4	0.7 (J)	
8/16/2022							3.7
2/14/2023	41.1	20.5	31.6	3	24.3	0.65 (J)	
2/20/2023							3.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					25.1	
3/29/2016	13.8	11.1				
3/30/2016				22.2		9.07
5/24/2016	14.8	12.6		25.2		
5/25/2016					23.7	
5/26/2016						15.8
5/31/2016			25.7			
8/2/2016			22.9	20.8	21.5	
8/5/2016						20.5
9/26/2016	13.3	11.8			21.4	
9/27/2016			22.2	23.1		
9/28/2016						24.9
11/14/2016		11.3				
11/18/2016	12.4					
11/21/2016			22.1		21	23.4
11/22/2016				22.3		
2/1/2017	13.3	12.6	21.7			
2/3/2017					20	
2/6/2017				21.4		1.7
4/6/2017	13.4	9.84	21.4	21.1		1.6
6/13/2017	14.6	13	24.4		21.5	3.82
6/14/2017				22.1		
7/14/2017			24.8			
10/3/2017	13.9	13.7	23.6		22.8	9.77
10/4/2017				23.1		
3/19/2018	14.4 (J)					
3/20/2018		11.5 (J)	22.9 (J)		20.3 (J)	1.4
3/21/2018				22.5 (J)		
9/17/2018	12.4 (J)	11 (J)				
9/18/2018			20.8 (J)	20.8 (J)	15.5 (J)	3.35 (D)
3/21/2019	14.9 (J)	8.3	25.2			4.8
3/27/2019				20.6 (J)		
5/6/2019					20 (J)	
9/13/2019			24.6			
9/16/2019	13.5	9.5		23	20.3	12
3/12/2020	16.2	9.3	26.4	21.8		1.8
3/16/2020					19.4	
9/16/2020	14.3	8.8	24.4			
9/17/2020				21.4	18.1	18.3
3/17/2021	14.1	9.5	23.9	22.4		
3/18/2021					9.6	1.9
8/10/2021	14.7	9.9	26.2	23.5	20	1.9
2/2/2022	15.5	10.5	26.9	23.9	20.8	2.2
8/17/2022	15.8	10	27.2	24	10.4	2.5
2/17/2023	15.2	9.7				
2/20/2023			26.1		18.5	
2/21/2023				18		2.3

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					1.795		
3/15/2016							1.1671
3/22/2016	1.5101						
3/23/2016		2.4904	0.9079			1.6092	
5/11/2016					2.04		0.8763
5/16/2016				1.74 (D)			
5/19/2016	1.5		0.9136				
5/20/2016		1.71					
5/23/2016						1.52	
7/19/2016					2.1		
7/21/2016							1.4
7/27/2016				2.1 (D)			
7/29/2016	1.7	2	1.1			1.5	
9/15/2016					1.7		
9/19/2016							1.1
9/22/2016			1			1.4	
9/23/2016	1.8	1.8					
11/2/2016					1.8		
11/3/2016							1.2
11/9/2016	2	1.6					
11/10/2016			1.2			1.6	
1/17/2017							1
1/18/2017					1.7		
1/30/2017	1.5						
1/31/2017		1.3	1.2			1.6	
2/21/2017				4 (D)			
3/24/2017							1.2
3/27/2017				2.6 (D)			
3/28/2017					1.3		
3/30/2017	1.8	1.6				1.4	
4/3/2017			0.99				
5/24/2017							1.5
6/7/2017					1.2		
6/8/2017				2.1 (D)			
6/9/2017	1.6		0.87				
6/12/2017		1.6				1.4	
7/17/2017				1.9 (D)			
7/27/2017				3 (D)			
8/9/2017				2.5 (D)			
9/26/2017					1.7		2.4
9/29/2017				2.7 (D)			
10/2/2017	1.6	0.94	1				
10/4/2017						1.5	
12/28/2017							3.9 (Y)
3/14/2018					1.4		2.4
3/16/2018	1.7		1.6	2.6			
3/19/2018		1.9				1.5	
9/12/2018					1.6		1
9/14/2018		0.98	0.92	1.9			
9/17/2018	1.55 (D)					1.5	
3/13/2019							2.2
3/14/2019				2.8			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/15/2019					1.7		
3/19/2019			2				
3/20/2019	<1.4	<0.86				<1.5	
9/9/2019					1.2		0.83 (X)
9/10/2019				2.3			
9/12/2019	1.3	0.815 (JD)					
9/13/2019			0.94 (J)			1.5	
3/9/2020				1.5	1.2		1.5
3/11/2020	1.4	2	0.6 (J)			1.4	
9/10/2020					1.2		
9/11/2020							0.77 (J)
9/15/2020	1.3	1.2	0.75 (J)				
9/16/2020				1.7			
3/10/2021							0.97 (J)
3/12/2021					1.2		
3/16/2021	1.3		0.73 (J)	1.3			
3/17/2021		1.4					
3/29/2021						1.5	
8/4/2021					1.1		0.82 (J)
8/6/2021				1.3			
8/9/2021	1.3	1.5	1.1			1.4	
1/31/2022					1		0.71 (J)
2/1/2022	1.2	1.4	0.77 (J)				
2/2/2022				1.5		1.9	
8/10/2022					0.93 (J)		
8/12/2022							<1
8/16/2022	0.99 (J)	1.1	0.82 (J)	1.6		2.5	
2/13/2023					1.3		1.1
2/14/2023				1.6			
2/16/2023	1.2	1.6	1.9				
2/17/2023						6.3	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			2.4984	1.2562	1.9467		
3/15/2016	4.1666	6.1465					
3/28/2016							1.14
5/12/2016	1.78						
5/13/2016		3.08		1.32	2.14		
5/16/2016			2.22				
5/23/2016							1.19
7/19/2016				1.3	3.1		
7/20/2016	1.8						
7/21/2016		3.7					
7/22/2016			2.6				
8/1/2016							1.2
9/15/2016	1.4						
9/16/2016				1.2	3.5		
9/19/2016			2.5				
9/21/2016		2.4					
9/26/2016							1.1
11/2/2016				1.4	4.7		
11/3/2016	1.6	3.4	3				
11/10/2016							1.3
1/17/2017		1.9	2.9				
1/18/2017	1.5			1.2	4.9		
1/30/2017							1.2
2/22/2017						3.7 (D)	
3/24/2017	1.4						
3/27/2017		2.4	3				
3/28/2017				1.4	4.1		
4/7/2017						2.5 (D)	1.2
6/6/2017	2.8	4.5		1.4	3.6		
6/7/2017			3				
6/12/2017							1.1
6/14/2017						2.6 (D)	
7/12/2017						2.8 (D)	
7/20/2017						2.3 (D)	
7/28/2017						2 (D)	
8/9/2017						1.8 (D)	
8/24/2017						2.9 (D)	
9/22/2017				1.3	3.9		
9/25/2017	1.8	2.5					
9/26/2017			3.1				
10/2/2017							1.2
10/3/2017						2.8 (D)	
3/14/2018	3	4 (J)	3.2	1.3			
3/15/2018					2.8		
3/16/2018							1.4
3/21/2018						2.9	
9/12/2018	1.4	2.1		1.3	3.1		
9/14/2018			2.3				
9/17/2018							1.1
9/18/2018						3.1	
3/13/2019				1.6	2.9		
3/14/2019	2.6	2.9	3.6				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<1.2
3/21/2019						3.6 (D)	
9/10/2019	1.1	1.7	2				
9/11/2019				1.3	3.1		
9/12/2019						2.1 (D)	
9/13/2019							1
3/6/2020	1.3		2.7				
3/9/2020		1.3		1.2	2.2		
3/11/2020							0.91 (J)
3/12/2020						2.3	
9/10/2020	1.2	1.4	2				
9/11/2020				1.3			
9/14/2020					3.3		
9/16/2020							0.97 (J)
9/17/2020						2.4	
3/10/2021		1.6					
3/11/2021	1.5		2.5	1.3	2.7		
3/16/2021						2.7	
3/17/2021							1 (J)
8/4/2021	1.2	1.3	2.3				
8/5/2021					1.9		
8/6/2021				1.3			
8/9/2021							1 (J)
8/10/2021						2.8	
1/31/2022	1	1	2	1.1	1.7		
2/1/2022							0.91 (J)
2/3/2022						2.6	
8/10/2022			1.8		1.7		
8/11/2022	1.3	1.4		1.4			
8/16/2022							0.69 (J)
8/17/2022						2.6	
2/13/2023	1.6	1.5	2.4		1.8		
2/14/2023				1.3			
2/16/2023							0.91 (J)
2/17/2023						3	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.9204						
3/31/2016		2.72	2.79				
4/4/2016				1.42	1.67	1.03	3.55
5/25/2016	1.04						
5/26/2016		2.63	2.87	1.37	1.64		
5/27/2016						0.9684	
5/31/2016							3.55
8/1/2016	0.85						
8/3/2016			3.2	1.4		1.3	
8/4/2016					1.7		4.4
8/5/2016		3					
9/26/2016	0.87						
9/28/2016		2.5	3	1.2	1.4		
9/29/2016							4
9/30/2016						1.2	
11/11/2016	0.99						
11/22/2016		2.6	3.1	1.6	1.9	1.2	
11/28/2016							4
1/30/2017	0.95						
2/7/2017		2.3	3				
2/8/2017				1.4	1.7		
2/9/2017							7.5
2/13/2017						0.96	
4/3/2017	0.88						
4/10/2017		1.9	2.3	1.3	1.8		
4/11/2017						1.2	
4/12/2017							5.3
6/12/2017	0.83						
6/14/2017		1.9	2			0.89	
6/15/2017				1.2	1.5		
6/16/2017							5.4
10/2/2017	0.94						
10/4/2017		2	2.1	1.3	1.6	1	
10/9/2017							6.2
3/16/2018	<1						
3/20/2018		2.2					
3/21/2018			2.5	1.6			4.6
3/22/2018					2	<1.3	
9/18/2018	1	2.4	2.5	1.5	1.9	1.3	
9/19/2018							5.1
3/19/2019	<1						
3/22/2019		2.2	2.8				
3/23/2019				1.2	1.7	0.88	3.5
9/12/2019	0.74 (J)						
9/17/2019		2.4	2.8	1.1	1.4	0.835 (JD)	
9/18/2019							4
3/11/2020	0.73 (J)						
3/12/2020		2.3	3	1	1.5	0.84 (J)	
3/13/2020							3.3
9/15/2020	0.7 (J)						
9/17/2020		2.5	2.9				
9/21/2020				1	1.3	0.71 (J)	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							3.5
3/17/2021	0.81 (J)						
3/18/2021		2.1	2.5				3.4
3/19/2021				1.1	1.4	0.79 (J)	
8/9/2021	0.78 (J)						
8/10/2021		1.9					
8/11/2021			2.1	0.9 (J)	1.3	0.72 (J)	2.9
2/2/2022	0.7 (J)					0.79 (J)	
2/4/2022		1.9	2.2	1.1	1.4		
2/17/2022							3.1
8/17/2022	<1	1.6					
8/18/2022			2.5 (J)	1.2	1.7	1	3.4
2/16/2023	0.71 (J)						
2/20/2023		1.9	2.4	1.2	1.6		
2/21/2023						0.99 (J)	
2/22/2023							3.2

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					6.505	0.9445	3.0774
4/4/2016	3.3						
4/5/2016		1.93	2.08	0.9439			
5/16/2016					5.08	0.9104 (D)	3 (D)
5/31/2016			1.51	1			
6/1/2016	3.18	1.93					
7/25/2016					1.2	1.2 (D)	3 (D)
8/4/2016			1.7				
8/9/2016		2.4					
9/19/2016					1.9	1.1 (D)	3 (D)
9/29/2016			1.5				
11/3/2016					2		3 (D)
11/4/2016						1 (D)	
11/23/2016			1.9	1.7			
11/28/2016		3					
1/19/2017					2.6		
1/20/2017							3.3 (D)
1/23/2017						1.2 (D)	
2/9/2017		3					
2/10/2017			1.5	1.6			
2/22/2017	7.2						
3/28/2017					5.7		
3/29/2017						1.1 (D)	3.2 (D)
4/11/2017	5.5	4.5		1.5			
4/12/2017			1.7				
6/5/2017					7.8		
6/7/2017						1	3.1
6/14/2017		3					
6/15/2017			1.4	1			
6/16/2017	8.7						
7/12/2017	7.5	3.9		1.8			
7/20/2017					7.4		
7/26/2017				1.2			
7/28/2017	6.6						
8/10/2017	8.5						
9/26/2017					3.7		
9/27/2017						1.1	3.2
10/5/2017		2.7					
10/6/2017	8.9		1.6	1.7			
3/15/2018					6.5	<1	3.3
3/22/2018		3.4					
3/23/2018	8.3		1.5	<1			
9/12/2018					3.6		
9/13/2018						0.93	2.9
9/19/2018		2.8	1.7	1.1			
9/20/2018	9.6						
3/14/2019					6.4	<1 (D)	4.3 (D)
3/22/2019	7.4	3.7		1.2			
3/25/2019			1.9				
9/11/2019					3.7	0.81 (JXD)	2.9 (D)
9/17/2019		3.8	2	0.78 (X)			
9/18/2019	7.6						

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					5.9	0.8 (J)	4.4
3/13/2020		4.2	1.6	0.7 (J)			
3/17/2020	7.7						
9/11/2020						0.79 (J)	3.1
9/15/2020					4.2		
9/21/2020		3.5	1.6	0.64 (J)			
9/22/2020	7						
3/11/2021					5.5	0.83 (J)	4
3/18/2021		4	1.7	0.67 (J)			
3/19/2021	7.4						
8/4/2021					4.9		
8/6/2021						0.86 (J)	3.8
8/11/2021		3.4	1.2	<1			
8/12/2021	5.8						
1/31/2022					4.2		
2/1/2022						0.79 (J)	4.3
2/4/2022	6.1	3.6	1.2				
2/7/2022				0.6 (J)			
8/12/2022						<1	3
8/15/2022					5.1		
8/18/2022		4.3					
8/19/2022	6.4		1.4	0.88 (J)			
2/14/2023					5.7	0.81 (J)	5.3
2/22/2023	5.8	4	1.5	0.83 (J)			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	1.9859	2.2206	2.5934	2.4266			
3/17/2016					1.4476	1.0624	
3/28/2016							0.8659
5/17/2016	2.37			2.01			
5/18/2016		2.42	2.51		1.43	1.41	
5/25/2016							0.8639
7/26/2016	2.4						
7/27/2016		2.4	2.5	2.3	1.6		
7/28/2016						1.4	
8/1/2016							0.93
9/20/2016	2.4	2.4	2.4	2.2			
9/21/2016					1.6	1.2	
9/27/2016							0.8
11/4/2016	2.8		2.9	3	1.6		
11/7/2016		2.8				1.4	
11/11/2016							0.95
1/20/2017	2.2		2.7				
1/23/2017		2.4		2.5			
1/24/2017					1.7	<1.1 (*)	
1/31/2017							0.99
3/28/2017	2.3			2.2			
3/29/2017		2.8	2.3		1.6		
3/30/2017						1.2	
4/3/2017							0.93
6/7/2017	2.3						
6/8/2017		2.5	2.3	2.3	1.6		
6/9/2017						1.1	
6/12/2017							0.91
9/27/2017		2.4	2.4				
9/29/2017	2.1			2.5	1.7	1.2	
10/3/2017							0.95
3/15/2018	2	2.7		2.6	1.6	1.4	
3/16/2018			2.7				
3/19/2018							0.82
9/13/2018	1.9	2.6	2.5	2.8	1.3		
9/14/2018						1.1	
9/17/2018							0.9
3/15/2019		2.8		3.3			
3/18/2019	1.8				2.7		
3/19/2019			2.6			<1.1	
3/20/2019							<1
9/11/2019	1.4		2.1	3.3	1.4	1	
9/12/2019		2.3					
9/16/2019							0.73 (J)
3/9/2020		2.3	2.3	3.4		1	
3/10/2020	1.2						
3/11/2020					1.4		
3/16/2020							0.67 (J)
9/11/2020					1.2		
9/14/2020	1.1	2.2		4		0.98 (J)	
9/15/2020			2.2				
9/16/2020							0.7 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	1.1	2.3	2.4	4.5			
3/15/2021					1.2	0.98 (J)	
3/17/2021							0.69 (J)
8/4/2021				5			
8/5/2021	1.2	2.2	2.3			1	
8/9/2021							0.74 (J)
8/11/2021					1.1		
1/31/2022	1.7			4.8			
2/1/2022		2	2.3		1.1	0.93 (J)	
2/2/2022							0.66 (J)
4/28/2022				5			
8/15/2022	3	2.4	2.2	5.4	1.3	1.2	
8/16/2022							<1
2/14/2023	3.7	2	2.8	6	1	1	
2/20/2023							0.88 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					1.4231	
3/29/2016	1.3977	1.6645				
3/30/2016				0.9409		2.21
5/24/2016	1.33	1.58		0.92		
5/25/2016					1.11	
5/26/2016						2.1
5/31/2016			1.33			
8/1/2016	1.2	1.4				
8/2/2016			1.5	1.2	1.5	
8/5/2016						2.4
9/26/2016	1.1	1.4			1.6	
9/27/2016			1.4	1.1		
9/28/2016						2.1
11/14/2016		1.6				
11/18/2016	1.2					
11/21/2016			1.5		1.5	2.2
11/22/2016				1.2		
2/1/2017	1.3	1.4	1.5			
2/3/2017					1.8	
2/6/2017				1.1		2.5
4/6/2017	1.1	1.5	1.2	1.2		2.2
4/7/2017					1.5	
6/13/2017	1.2	1.3	0.98		1.3	2
6/14/2017				0.92		
7/14/2017			1.1			
10/3/2017	1.2	1.3	1		1.4	2
10/4/2017				1		
3/19/2018	1.2					
3/20/2018		1.7	1.5		1.8	2.4
3/21/2018				1.3		
9/17/2018	1.1	1.3				
9/18/2018			1.3	1.2	1.9	2.4 (D)
3/21/2019	<1.4	<1.5	<1			2
3/27/2019				0.9		
5/6/2019					1.1	
9/13/2019			1			
9/16/2019	1.1	1.2		0.75 (JD)	1.4	1.9
3/12/2020	1.3	1.3	0.72 (J)	0.93 (J)		1.9
3/16/2020					1.3	
9/16/2020	1.2	1.2	0.79 (J)			
9/17/2020				0.77 (J)	1.4	1.9
3/17/2021	1.2	1.4	0.79 (J)	0.78 (J)		
3/18/2021					1.6	2.2
8/10/2021	1	1.1	0.68 (J)	0.68 (J)	1.2	1.8
2/2/2022	1.1	1.3	0.76 (J)	0.77 (J)	1.4	2.1
8/17/2022	0.89 (J)	0.99 (J)	<1	<1	1.3	1.9
2/17/2023	1.4	1.5				
2/20/2023			0.94 (J)		1.6	
2/21/2023				0.97 (J)		2.1

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	0.0045	<0.005			<0.005	
10/23/2007	0.011						
10/24/2007		0.039 (O)	0.0033				
11/2/2007						0.027 (O)	
11/18/2007	0.038 (O)	0.059 (O)	0.012			0.17 (O)	
1/30/2008	0.11 (O)						
1/31/2008		0.0067	0.052 (O)			0.012	
3/10/2008	0.038 (O)		0.01				
3/11/2008		0.03 (O)				0.063 (O)	
5/6/2008		0.0062					
5/13/2008	0.012		0.0068				
5/14/2008						0.057 (O)	
12/4/2008		0.009	0.0017				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		0.0022	<0.005				
10/7/2009	0.0065	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	0.0019						
4/15/2013		0.0013					
10/15/2013		0.0023					
10/16/2013	0.0024		<0.005			0.0013	
4/10/2014			<0.005				
4/11/2014	0.0013 (J)						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	0.0047	0.0011 (J)	<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0017 (JD)			
7/29/2016	<0.005	<0.005	<0.005			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			0.0013 (J)	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	0.0011 (J)	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				0.001 (J)			
3/24/2017							<0.005 (*)
3/27/2017				<0.005 (D)			
3/28/2017					<0.005 (*)		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
5/24/2017							0.0008 (J)
6/7/2017					<0.005		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		0.0008 (J)				<0.005	
7/17/2017				<0.005 (D)			
7/27/2017				0.0005 (J)			
8/9/2017				0.0005 (J)			
9/26/2017					<0.005		0.0005 (J)
9/29/2017				0.0006 (JD)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0031 (J)				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.004 (J)			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			0.00073 (J)	
3/9/2020				0.0016 (J)	0.069 (o)		0.0009 (J)
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)			0.00095 (J)	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	0.00086 (J)	<0.005				
9/16/2020				0.00058 (J)			
3/10/2021							0.00075 (J)
3/12/2021					0.00064 (J)		
3/16/2021	<0.005		<0.005	0.0008 (J)			
3/17/2021		<0.005					
3/29/2021						0.00062 (J)	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				0.0012 (J)		0.0069	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							0.0014
4/14/2011							0.0014
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0013 (J)
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	0.00212 (J)		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	0.0006 (J)		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	0.0014 (J)		
1/30/2017							<0.005
2/22/2017						<0.005	
3/24/2017	<0.005 (*)						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						<0.005	<0.005
6/6/2017	<0.005	0.0004 (J)		0.0004 (J)	0.0009 (J)		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						<0.005 (D)	
7/12/2017						<0.005 (D)	
7/20/2017						<0.005 (D)	
7/28/2017						<0.005	
8/9/2017						<0.005	
8/24/2017						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				0.0008 (J)	0.0006 (J)		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					0.0017 (J)		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				0.00051 (J)	0.00066 (J)		
9/12/2019						<0.005 (D)	
9/13/2019							<0.005
3/6/2020	0.015		0.00045 (J)				
3/9/2020		0.0004 (J)		0.0033 (J)	0.0014 (J)		
3/11/2020							0.0011 (J)
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					0.0011 (J)		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	0.0015 (J)		<0.005	<0.005	0.0011 (J)		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	0.0011 (J)		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				0.0016 (J)			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.0015	0.036 (O)	<0.005	0.037	0.0013	0.0019
11/1/2007		0.011	0.01	<0.005	0.04	<0.005	0.01
11/18/2007				<0.005	0.045		
11/19/2007						0.0056	0.021
11/20/2007		0.042 (o)	0.0039				
1/16/2008						0.039 (o)	
1/30/2008		0.034	0.019 (O)	<0.005	0.041		
1/31/2008							0.035
3/5/2008				<0.005		0.03	0.012
3/6/2008		0.027	<0.005		0.042		
5/7/2008				0.025 (o)	0.029		
5/8/2008			0.01				
5/12/2008		0.015					0.02
5/13/2008						0.0057	
12/12/2008	<0.005						
12/13/2008		0.0036				<0.005	0.014
12/14/2008			0.0038	0.0021	0.032		
4/16/2009						<0.005	
4/23/2009	0.0031						
4/28/2009							0.0079
4/29/2009		<0.005	<0.005	0.011	0.017		
10/6/2009	0.0024						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0015	0.0092
10/22/2009				0.01	0.022		
4/21/2010			<0.005	0.0053	0.021		
4/26/2010		<0.005					
4/27/2010						0.0036	
4/28/2010							0.0086
5/3/2010	<0.005						
9/28/2010			<0.005	0.0076			
9/29/2010		0.0034			0.024		
10/5/2010						<0.005	0.0085
10/11/2010	0.0028						
4/12/2011			<0.005	0.0095			
4/13/2011		<0.005			0.014		
4/19/2011						0.003	0.0089
4/27/2011	0.0041						
10/4/2011			0.0019	0.0091	0.017		
10/5/2011		0.0032					
10/12/2011						<0.005	
10/18/2011							0.0093
10/19/2011	<0.005						
4/3/2012			<0.005	0.0076			
4/4/2012		<0.005			0.014		
4/24/2012						<0.005	
4/25/2012							0.0075
5/1/2012	<0.005						
10/2/2012	0.0019					<0.005	0.017
10/3/2012		0.0047		0.0039	0.0033		
10/8/2012			<0.005				
4/2/2013						0.0018	0.0097

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0014	<0.005	<0.005	0.017		
4/10/2013	0.0027						
10/8/2013							0.011
10/9/2013				0.0089	0.015	<0.005	
10/15/2013		0.002	<0.005				
10/16/2013	0.0029						
4/1/2014						<0.005	0.0074
4/2/2014				<0.005	0.014		
4/9/2014		<0.005	<0.005				
4/22/2014	0.0024						
10/1/2014	<0.005						0.0049
10/2/2014		<0.005	<0.005	<0.005	0.0048	<0.005	
3/30/2015	0.0022						
4/1/2015				0.0062	0.0084	<0.005	0.0072
4/2/2015		<0.005	<0.005				
10/10/2015		0.0013					
10/11/2015	<0.005			<0.005	0.019		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							0.0077
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				0.00656 (J)	0.00728 (J)	<0.005	0.00615 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	0.00752 (J)	0.00553 (J)		
5/27/2016						<0.005	
5/31/2016							0.00588 (J)
8/1/2016	<0.005						
8/3/2016			<0.005	0.0067 (J)		<0.005	
8/4/2016					0.0071 (J)		0.0056 (J)
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	0.0082 (J)	0.0093 (J)		
9/29/2016							0.0065 (J)
9/30/2016						<0.005	
11/11/2016	<0.005						
11/22/2016		0.0024 (J)	<0.005	0.0045 (J)	0.0058 (J)	<0.005	
11/28/2016							0.0064 (J)
1/30/2017	<0.005						
2/7/2017		0.0015 (J)	0.0019 (J)				
2/8/2017				0.0101	0.0072 (J)		
2/9/2017							0.0078 (J)
2/13/2017						<0.005	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	0.0094 (J)	<0.01		
4/11/2017						<0.005	
4/12/2017							0.0077 (J)
6/12/2017	0.0005 (J)						
6/14/2017		0.0006 (J)	<0.005			<0.005	
6/15/2017				0.009 (J)	0.0066 (J)		
6/16/2017							0.0072 (J)
10/2/2017	<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		0.0027 (J)	<0.005	0.0008 (J)	0.0079 (J)	<0.005	
10/9/2017							0.0079 (J)
3/16/2018	<0.005						
3/20/2018		<0.005					
3/21/2018			<0.005	0.0079 (J)			0.0055 (J)
3/22/2018					0.0062 (J)	<0.005	
9/18/2018	<0.005	<0.005	<0.005	0.0081 (J)	0.0062 (J)	<0.005	
9/19/2018							0.0059 (J)
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	0.0048 (J)	<0.005	0.0058 (J)
9/12/2019	<0.005						
9/17/2019		0.0009 (J)	0.00067 (J)	0.0079 (J)	0.0042 (J)	0.0058 (JD)	
9/18/2019							0.0063 (J)
3/11/2020	<0.005						
3/12/2020		0.00047 (J)	<0.005	0.00084 (J)	0.0042 (J)	<0.005	
3/13/2020							0.0054 (J)
9/15/2020	<0.005						
9/17/2020		0.0011 (J)	<0.005				
9/21/2020				0.0081 (J)	0.0056 (J)	<0.005	
9/22/2020							0.0062 (J)
3/17/2021	<0.005						
3/18/2021		0.00068 (J)	0.002 (J)				0.0058
3/19/2021				0.0073	0.0079	<0.005	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	0.0042 (J)	<0.005	0.0074
2/2/2022	<0.005					<0.005	
2/4/2022		<0.005	<0.005	0.0071	0.0042 (J)		
2/17/2022							0.0053
8/17/2022	<0.005	0.0013 (J)					
8/18/2022			<0.005	<0.005	0.0046 (J)	<0.005	0.0044 (J)
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	0.0015 (J)	0.0037 (J)		
2/21/2023						<0.005	
2/22/2023							0.0038 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			0.014				
8/24/2007		0.083 (O)		0.061 (O)			
11/1/2007	0.0042						
11/2/2007		0.0071	0.0036	0.078 (O)			
11/17/2007		0.012	0.031 (O)				
11/18/2007				0.085 (O)			
11/19/2007	0.0049						
1/15/2008		0.043 (o)	0.011	0.079 (O)			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0044					
3/6/2008			0.0027				
3/10/2008				0.062 (O)			
5/7/2008	<0.005	0.0084	0.008				
5/13/2008				0.044 (O)			
12/2/2008		0.0056	0.0059	0.027			
12/12/2008	0.019 (O)						
4/16/2009		0.0042					
4/28/2009			<0.005	0.016			
4/29/2009	0.002						
10/19/2009			<0.005				
10/20/2009		0.0037		0.018			
10/21/2009	0.002						
4/20/2010		<0.005					
4/27/2010			<0.005	0.012			
4/28/2010	0.0049						
9/29/2010		0.0028					
10/4/2010			0.0013				
10/5/2010				0.0067			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				0.0081			
4/20/2011	<0.005						
10/4/2011		0.0015					
10/12/2011	<0.005		0.0014	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	0.0015						
10/10/2012		0.0029	<0.005	<0.005			
4/2/2013	0.0017						
4/15/2013		0.0036	0.0021				
4/16/2013				0.0029			
10/8/2013	<0.005						
10/22/2013		0.0048	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		0.0043	0.0013 (J)	<0.005			
9/30/2014		0.0037	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		0.016	<0.005	<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		0.0092	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		0.00605 (J)	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005 (D)	0.006 (J)					
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0086 (JD)					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	0.0012 (J)						
3/28/2017					<0.005		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
6/5/2017					<0.005		
6/7/2017						<0.005	0.0004 (J)
6/14/2017		0.0006 (J)					
6/15/2017			0.0005 (J)	0.0005 (J)			
6/16/2017	<0.005						
7/12/2017	<0.005	0.0005 (J)		0.0008 (J)			
7/26/2017				0.0006 (J)			
7/28/2017	<0.005						
8/10/2017	<0.005						
9/26/2017					<0.005		
9/27/2017						<0.005	<0.005
10/5/2017		0.0006 (J)					
10/6/2017	<0.005		<0.005	0.0008 (J)			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		0.00046 (X)	0.00044 (J)	0.00064 (X)			
9/18/2019	<0.005						
3/10/2020					0.00074 (J)	0.0007 (J)	0.00092 (J)
3/13/2020		0.00093 (J)	0.0011 (J)	0.0012 (J)			
3/17/2020	0.002 (J)						
9/11/2020						<0.005	0.00067 (J)
9/15/2020					<0.005		
9/21/2020		<0.005	0.0016 (J)	0.00089 (J)			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		0.0023 (J)	0.00089 (J)	0.00078 (J)			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				0.0011 (J)			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0015 (J)	<0.005	0.0058
2/22/2023	0.0024 (J)	<0.005	<0.005	0.0014 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0076
10/25/2007							0.015
11/19/2007							0.013
1/23/2008							0.032
3/11/2008							0.024
5/12/2008							0.016
12/11/2008							0.013
4/15/2009							0.0073
10/9/2009							0.0037
5/4/2010							<0.005
10/12/2010							0.0023
4/28/2011							0.002
10/19/2011							0.0015
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							0.0015
10/16/2013							<0.005
4/23/2014							0.0013 (J)
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.01	0.00202 (J)	0.00668 (J)	0.00207 (J)			
3/17/2016					<0.005	0.00778 (J)	
3/28/2016							<0.005
5/17/2016	<0.01			<0.01			
5/18/2016		0.00248 (J)	0.00606 (JO)		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	0.0017 (J)						
7/27/2016		0.0021 (J)	0.0023 (J)	0.0017 (J)	0.0006 (J)		
7/28/2016						0.0014 (J)	
8/1/2016							<0.005
9/20/2016	0.0015 (J)	0.002 (J)	0.0021 (J)	0.0024 (J)			
9/21/2016					0.0011 (J)	0.0009 (J)	
9/27/2016							<0.005
11/4/2016	0.0016 (J)		0.0016 (J)	0.0013 (J)	<0.005		
11/7/2016		0.0023 (J)				<0.005	
11/11/2016							<0.005
1/20/2017	0.0018 (J)		0.0016 (J)				
1/23/2017		0.0011 (J)		<0.01			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	<0.01 (*)			<0.01 (*)			
3/29/2017		0.0012 (J)	0.001 (J)		0.0004 (J)		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	0.0018 (J)						
6/8/2017		0.0015 (J)	0.0024 (J)	0.0016 (J)	0.0005 (J)		
6/9/2017						<0.005	
6/12/2017							0.0005 (J)
9/27/2017		0.0021 (J)	0.0021 (J)				
9/29/2017	0.0033 (J)			0.002 (J)	0.0005 (J)	<0.005	
10/3/2017							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	0.0021 (J)	0.0023 (J)		<0.01	<0.005	<0.005	
3/16/2018			0.003 (J)				
3/19/2018							<0.005
9/13/2018	0.0041 (J)	<0.01	0.0017 (J)	<0.01	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.01		0.0023 (J)			
3/18/2019	0.0022 (J)				<0.005		
3/19/2019			0.018			0.0017 (J)	
3/20/2019							<0.005
9/11/2019	0.0038 (J)		0.0015 (J)	0.00165 (JD)	0.00063 (J)	0.002 (J)	
9/12/2019		0.0014 (J)					
9/16/2019							<0.005
3/9/2020		0.0012 (J)	0.0023 (J)	0.0023 (J)		0.00096 (J)	
3/10/2020	0.0035 (J)						
3/11/2020					0.0012 (J)		
3/16/2020							0.00078 (J)
9/11/2020					<0.005		
9/14/2020	0.006 (J)	0.0022 (J)		0.0024 (J)		<0.005	
9/15/2020			0.0017 (J)				
9/16/2020							<0.005
3/11/2021	0.0059	0.0013 (J)	0.0019 (J)	0.0021 (J)			
3/15/2021					0.00076 (J)	<0.005	
3/17/2021							0.00069 (J)
5/26/2021	0.0052						
8/4/2021				0.0018 (J)			
8/5/2021	0.0057	0.0014 (J)	0.0022 (J)			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	0.0051			0.002 (J)			
2/1/2022		0.0015 (J)	0.0022 (J)		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	0.006	0.0015 (J)	0.0013 (J)	0.0019 (J)	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	0.005 (J)	0.0018 (J)	0.0027 (J)	0.0019 (J)	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.005
10/25/2007	0.002					
11/1/2007						0.0061
11/19/2007						0.018 (J)
11/20/2007	0.017					
1/15/2008						0.078 (O)
1/23/2008	0.064 (O)					
3/6/2008						0.054 (O)
3/11/2008	0.013					
5/13/2008						0.0085
5/14/2008	0.027					
12/11/2008	<0.01					
12/12/2008						0.0023
4/16/2009						<0.005
4/23/2009	<0.01					
10/9/2009	0.0014					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.01					
9/29/2010						<0.005
10/11/2010	0.0027					
4/13/2011						<0.005
4/26/2011	0.0015					
10/5/2011						<0.005
10/18/2011	<0.01			<0.01		
4/4/2012						<0.005
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.005
4/8/2013				<0.01		<0.005
4/10/2013	0.0013					
10/8/2013	0.0017					
10/9/2013				0.0019		0.0013
4/9/2014						<0.005
4/10/2014				0.0034		
4/14/2014	0.004					
9/30/2014						<0.005
10/2/2014				0.0056		
10/3/2014	0.0017					
4/1/2015	0.0027					
4/2/2015						<0.005
4/3/2015				0.0022		
5/26/2015		0.0015			<0.005	
6/18/2015		0.0013 (D)			0.0024 (D)	
7/2/2015		0.0014			<0.005	
10/8/2015				0.0033	<0.005	
10/9/2015	0.0016	0.0015				
10/10/2015						0.00115 (JD)
3/22/2016					0.00302 (J)	
3/29/2016	0.00363 (J)	<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00308 (J)		<0.005
5/24/2016	0.00263 (J)	<0.01		<0.01		
5/25/2016					0.00441 (J)	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.005	<0.01	<0.005	
8/5/2016						<0.005
9/26/2016	0.0014 (J)	0.002 (J)			0.002 (J)	
9/27/2016			<0.005	<0.01		
9/28/2016						<0.005
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.005		0.0017 (J)	<0.005
11/22/2016				<0.01		
2/1/2017	0.0024 (J)	0.0017 (J)	<0.005			
2/3/2017					0.0018 (J)	
2/6/2017				<0.01		<0.005
4/6/2017	<0.01	<0.01	<0.005	<0.01		<0.005
4/7/2017					<0.005	
6/13/2017	0.0031 (J)	0.0015 (J)	<0.005		0.0019 (J)	<0.005
6/14/2017				0.0009 (J)		
7/14/2017			<0.005			
10/3/2017	0.0025 (J)	0.0018 (J)	<0.005		0.0022 (J)	<0.005
10/4/2017				<0.01		
3/19/2018	0.0035 (J)					
3/20/2018		0.0017 (J)	<0.005		0.0017 (J)	<0.005
3/21/2018				<0.01		
9/17/2018	0.0024 (J)	0.002 (J)				
9/18/2018			<0.005	<0.01	<0.005	<0.005 (D)
3/21/2019	0.0029 (J)	0.0025 (J)	<0.005			<0.005
3/27/2019				0.0021 (J)		
5/6/2019					0.0048 (J)	
9/13/2019			<0.005			
9/16/2019	0.002 (J)	0.002 (J)		0.000465 (JD)	0.002 (J)	<0.005
3/12/2020	0.0034 (J)	0.0028 (J)	0.0014 (J)	0.0031 (J)		0.00045 (J)
3/16/2020					0.0015 (J)	
9/16/2020	0.0022 (J)	0.0023 (J)	<0.005			
9/17/2020				0.00086 (J)	0.0017 (J)	<0.005
3/17/2021	0.0027 (J)	0.0021 (J)	<0.005	0.00079 (J)		
3/18/2021					0.0015 (J)	<0.005
8/10/2021	0.0027 (J)	0.0021 (J)	<0.005	0.0014 (J)	0.0019 (J)	<0.005
2/2/2022	0.0026 (J)	0.0024 (J)	<0.005	0.0015 (J)	0.0021 (J)	<0.005
8/17/2022	0.0025 (J)	0.0024 (J)	<0.005	0.0011 (J)	0.0014 (J)	<0.005
2/17/2023	0.0031 (J)	0.0022 (J)				
2/20/2023			0.0012 (J)		<0.005	
2/21/2023				0.0053		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			0.0033	
10/23/2007	<0.005						
10/24/2007		0.013	<0.005				
11/2/2007						0.0046	
11/18/2007	<0.005	0.0041	<0.005			0.0057	
1/30/2008	0.0045						
1/31/2008		<0.005	0.0083 (O)			0.0055	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				0.0033	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						0.0044	
12/4/2008		0.012	<0.005				
12/5/2008	<0.005					0.0035	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0041	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						0.0013 (J)	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.00081 (J)	
3/30/2015	0.0012 (J)	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0021	
10/12/2015						0.00078 (J)	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					0.00503 (J)		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					0.0114		<0.005
5/16/2016				0.00313 (JD)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					0.0013 (J)		
7/21/2016							<0.005
7/27/2016				0.0057 (JD)			
7/29/2016	0.0004 (J)	<0.005	<0.005			0.0007 (J)	
9/15/2016					0.002 (J)		<0.005
9/22/2016			<0.005			0.0007 (J)	
9/23/2016	<0.005	<0.005					
11/2/2016					0.0005 (J)		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			0.0007 (J)	
1/17/2017							<0.005
1/18/2017					0.0015 (J)		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			0.0007 (J)	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					0.0025 (J)		
3/30/2017	<0.005	<0.005				0.0007 (J)	
4/3/2017			<0.005				
5/24/2017							<0.005
6/7/2017					0.0023 (J)		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		<0.005				0.0007 (J)	
7/17/2017				<0.005 (D)			
7/27/2017				<0.005			
8/9/2017				<0.005			
9/26/2017					0.0011 (J)		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						0.0006 (J)	
3/14/2018					0.00058 (J)		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				0.00059 (J)	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					0.00057 (J)	
3/13/2019							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	0.00078 (J)	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	0.00047 (J)	<0.005 (D)					
9/13/2019			<0.005			0.00046 (J)	
3/9/2020				<0.005	0.00075 (J)		<0.005
3/11/2020	0.00037 (J)	<0.005	<0.005			0.00041 (J)	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	0.00048 (J)	<0.005	0.001 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					0.00079 (J)		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0016 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	0.00093 (J)				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	0.0004 (J)	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	0.00065 (J)				
2/17/2023						<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0006 (J)					
7/22/2016			0.0004 (J)				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						<0.01	
3/24/2017	<0.005						
3/27/2017		0.0005 (J)	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						0.0018 (J)	<0.005
6/6/2017	<0.005	<0.005		<0.005	<0.005		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						0.0045 (JD)	
7/12/2017						0.0046 (JD)	
7/20/2017						0.0109 (D)	
7/28/2017						0.0104	
8/9/2017						0.0022 (J)	
8/24/2017						0.0076 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	0.0006 (J)					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						0.0028 (JD)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						0.014	
9/12/2018	<0.005	0.0011 (J)		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						0.017	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						0.022 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						0.02 (D)	
9/13/2019							<0.005
3/6/2020	<0.005		0.00039 (J)				
3/9/2020		<0.005		0.00039 (J)	<0.005		
3/11/2020							<0.005
3/12/2020						0.013	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						0.019	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						0.015	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						0.011	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						0.0059	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						0.015	
2/13/2023	<0.005	<0.005	0.00039 (J)		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						0.017	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	0.0031	<0.005	<0.0013	0.01
11/1/2007		<0.005	<0.005	0.0034	<0.005	0.0041	<0.005
11/18/2007				0.0045	<0.005		
11/19/2007						0.0055	<0.005
11/20/2007		0.0046	<0.005				
1/16/2008						0.008	
1/30/2008		0.0079	<0.005	0.0027	<0.005		
1/31/2008							0.0037
3/5/2008				<0.005		0.98 (O)	<0.005
3/6/2008		0.0037	<0.005		0.11 (O)		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						0.01	
12/12/2008	<0.005						
12/13/2008		0.013				0.0073	0.011
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						0.0033	
4/23/2009	0.0029						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0039	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						0.0044	
4/28/2010							<0.005
5/3/2010	<0.005						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						0.005	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						0.0039	<0.005
4/27/2011	0.0028						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						0.0032	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.0013	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.0013	<0.005
10/3/2012		0.0018		0.0037	<0.005		
10/8/2012			<0.005				
4/2/2013						0.0038	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0014	<0.005	<0.005	<0.005		
4/10/2013	0.0014						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	0.003	
10/15/2013		0.0018	<0.005				
10/16/2013	0.0014						
4/1/2014						0.0027	<0.005
4/2/2014				0.0036	<0.005		
4/9/2014		0.0013 (J)	<0.005				
4/22/2014	0.0013						
10/1/2014	<0.005						<0.005
10/2/2014		<0.005	<0.005	0.016	<0.005	0.0027	
3/30/2015	0.00079 (J)						
4/1/2015				<0.005	0.0026	0.0028	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	0.00065 (J)		
10/12/2015			<0.005				
10/14/2015						0.003	
10/15/2015							0.00051 (J)
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	0.00351 (J)	<0.005
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	<0.005		
5/27/2016						0.00332 (J)	
5/31/2016							<0.005
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		0.003 (J)	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	<0.005		
9/29/2016							<0.005
9/30/2016						0.0035 (J)	
11/11/2016	<0.005						
11/22/2016		0.0006 (J)	<0.005	<0.005	<0.005	0.0027 (J)	
11/28/2016							<0.005
1/30/2017	<0.005						
2/7/2017		0.0017 (J)	<0.005				
2/8/2017				<0.005	<0.005		
2/9/2017							<0.005
2/13/2017						0.003 (J)	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0031 (J)	
4/12/2017							<0.005
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			0.0031 (J)	
6/15/2017				<0.005	<0.005		
6/16/2017							<0.005
10/2/2017	<0.005						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.005	<0.005	<0.005	<0.005	0.0032 (J)	
10/9/2017							<0.005
3/16/2018	<0.005						
3/20/2018		0.0021 (J)					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	0.0033 (J)	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0031 (J)	
9/19/2018							<0.005
3/19/2019	<0.005						
3/22/2019		0.0011 (J)	<0.005				
3/23/2019				<0.005	<0.005	0.0032 (J)	<0.005
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	<0.005	0.00305 (D)	
9/18/2019							0.0005 (J)
3/11/2020	<0.005						
3/12/2020		0.0017 (J)	<0.005	<0.005	<0.005	0.0031 (J)	
3/13/2020							<0.005
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	0.0029 (J)	
9/22/2020							<0.005
3/17/2021	<0.005						
3/18/2021		0.001 (J)	<0.005				<0.005
3/19/2021				<0.005	<0.005	0.0029 (J)	
8/9/2021	<0.005						
8/10/2021		0.00075 (J)					
8/11/2021			<0.005	<0.005	<0.005	0.0026 (J)	<0.005
2/2/2022	<0.005					0.0034 (J)	
2/4/2022		0.0018 (J)	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	<0.005	0.00051 (J)					
8/18/2022			<0.005	<0.005	<0.005	0.0028 (J)	<0.005
2/16/2023	<0.005						
2/20/2023		0.0026 (J)	<0.005	<0.005	<0.005		
2/21/2023						0.0029 (J)	
2/22/2023							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		0.0039	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	0.0029			
1/31/2008	<0.005						
3/5/2008	<0.005	0.005					
3/6/2008			<0.005				
3/10/2008				0.069 (O)			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		0.011	<0.005	0.0027			
12/12/2008	0.0079						
4/16/2009		0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	<0.005						
10/19/2009			<0.005				
10/20/2009		0.0074		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.002 (J)	<0.01	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.01	<0.01 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005	<0.005					
7/25/2016					0.0015 (J)	0.0017 (JD)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0003 (J)					
9/19/2016					0.0014 (J)	0.0017 (JD)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					0.0013 (J)		<0.005 (D)
11/4/2016						0.0013 (JD)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					0.0013 (J)		
1/20/2017							<0.005 (D)
1/23/2017						0.0013 (JD)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	<0.005						
3/28/2017					0.0019 (J)		
3/29/2017						0.0013 (JD)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			0.0006 (J)				
6/5/2017					0.0022 (J)		
6/7/2017						0.0011 (J)	<0.005
6/14/2017		<0.005					
6/15/2017			0.0004 (J)	<0.005			
6/16/2017	<0.005						
7/12/2017	<0.005	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	<0.005						
8/10/2017	<0.005						
9/26/2017					0.0018 (J)		
9/27/2017						0.0013 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					0.0018 (J)	0.0012 (J)	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					0.0016 (J)		
9/13/2018						0.001 (J)	<0.005
9/19/2018		0.00058 (J)	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					0.0022 (J)	0.0015 (JD)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.0018 (J)	0.0014 (JD)	<0.005 (D)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	<0.005						
3/10/2020					0.0021 (J)	0.0012 (J)	<0.005
3/13/2020		<0.005	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						0.0012 (J)	<0.005
9/15/2020					0.0015 (J)		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					0.0016 (J)	0.0011 (J)	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0016 (J)		
8/6/2021						0.0011 (J)	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.0017 (J)		
2/1/2022						0.0013 (J)	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						0.0011 (J)	<0.005
8/15/2022					0.0014 (J)		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0014 (J)	0.0012 (J)	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							0.0073
3/11/2008							0.0025
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							0.0024
4/11/2013							0.002
10/16/2013							0.0023
4/23/2014							0.003
10/3/2014							0.0034
3/31/2015							0.00079 (J)
10/12/2015							0.00063 (J)
3/10/2016	<0.005	<0.005	<0.005	0.00235 (J)			
3/17/2016					<0.005	<0.01	
3/28/2016							<0.005
5/17/2016	<0.005			0.0025 (J)			
5/18/2016		<0.005	<0.005		<0.005	<0.01	
5/25/2016							<0.005
7/26/2016	0.0006 (J)						
7/27/2016		<0.005	<0.005	0.0014 (J)	<0.005		
7/28/2016						0.0026 (J)	
8/1/2016							0.0005 (J)
9/20/2016	<0.005	<0.005	<0.005	0.0015 (J)			
9/21/2016					<0.005	0.0044 (J)	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	0.0014 (J)	<0.005		
11/7/2016		<0.005				0.0044 (J)	
11/11/2016							0.0006 (J)
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.01			
1/24/2017					<0.005	0.0049 (J)	
1/31/2017							0.0007 (J)
3/28/2017	<0.005			0.0015 (J)			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						0.0041 (J)	
4/3/2017							0.0005 (J)
6/7/2017	<0.005						
6/8/2017		<0.005	<0.005	0.0016 (J)	<0.005		
6/9/2017						0.0054 (J)	
6/12/2017							0.0004 (J)
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			0.0015 (J)	<0.005	0.0038 (J)	
10/3/2017							0.0003 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.005	<0.005		0.0013 (J)	<0.005	0.0026 (J)	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	0.0013 (J)	<0.005		
9/14/2018						0.0017 (J)	
9/17/2018							<0.005
3/15/2019		<0.005		0.0012 (J)			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			0.00069 (J)	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	0.00135 (JD)	<0.005	0.00075 (J)	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	0.0016 (J)		0.0028 (J)	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							0.00031 (J)
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		0.0017 (J)		0.0014 (J)	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	0.0025 (J)			
3/15/2021					<0.005	0.00056 (J)	
3/17/2021							<0.005
8/4/2021				0.0017 (J)			
8/5/2021	<0.005	<0.005	<0.005			0.0025 (J)	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			0.0021 (J)			
2/1/2022		<0.005	<0.005		<0.005	0.00066 (J)	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	0.0027 (J)	<0.005	0.0015 (J)	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	0.0025 (J)	<0.005	0.00096 (J)	
2/20/2023							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	0.0038					
11/1/2007						<0.005
11/19/2007						0.0034
11/20/2007	<0.005					
1/15/2008						0.0067
1/23/2008	0.0047					
3/6/2008						0.13 (O)
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0042
4/16/2009						0.0047
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						0.0037
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		0.0013
4/9/2014						0.0013 (J)
4/10/2014				0.0013 (J)		
4/14/2014	0.0013 (J)					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	0.00071 (J)					
4/1/2015	<0.005					
4/2/2015						0.00064 (J)
4/3/2015				<0.005		
5/26/2015		<0.005			0.0018	
6/18/2015		<0.005 (D)			0.0018 (D)	
7/2/2015		<0.005			0.0013	
10/8/2015				0.0014	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						0.0015 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0018 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0011 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0008 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0008 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	<0.005	<0.005	0.0008 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0007 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0005 (J)			
10/3/2017	<0.005	<0.005	0.0007 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	0.00076 (J)		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			0.00055 (J)	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00059 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00099 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	0.00031 (J)	<0.005		0.00044 (J)
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	0.00072 (J)			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	0.00045 (J)	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	0.00087 (J)	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	0.00042 (J)	<0.005	<0.005	0.00043 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.00043 (J)
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.00043 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.0066	<0.005	0.0036			0.017	
10/23/2007	0.0076						
10/24/2007		0.0088	<0.005				
11/2/2007						0.016	
11/18/2007	0.0055 (J)	0.0075	0.013			0.048	
1/30/2008	0.0094						
1/31/2008		<0.005	0.0069			0.039	
3/10/2008	0.0056		0.0044				
3/11/2008		0.0068				0.037	
5/6/2008		<0.005					
5/13/2008	0.0027		0.0033				
5/14/2008						0.051	
12/4/2008		0.013	<0.005				
12/5/2008	<0.005					0.038	
4/15/2009	<0.005					0.033	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0076	<0.005					
10/8/2009			<0.005			0.037	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						0.037	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		0.0027					
10/6/2010						0.041	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		0.0029					
4/21/2011						0.034	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						0.048	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						0.0427	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			0.038	
4/11/2013			<0.005			0.038	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			0.036	
4/10/2014			0.005 (J)				
4/11/2014	0.005 (J)						
4/22/2014		<0.005					
4/23/2014						0.03	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.029	
3/30/2015	0.0033 (J)	<0.005	<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.026	
10/12/2015						0.05	
10/13/2015	0.0013 (J)	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			0.0297	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005			
7/19/2016					0.0005 (J)		
7/21/2016							<0.005
7/27/2016				0.0271 (o)			
7/29/2016	<0.005	0.0032 (J)	0.0006 (J)			0.0419	
9/15/2016					<0.005		<0.005
11/2/2016					<0.005		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					<0.005		
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005			
3/28/2017					<0.005 (*)		
3/30/2017	0.0004 (J)	<0.005				0.0392	
4/3/2017			0.0004 (J)				
9/26/2017					0.0005 (J)		<0.005
9/29/2017				<0.005			
10/2/2017	0.0003 (J)	<0.005	0.0003 (J)				
10/4/2017						0.0343	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0025 (J)				0.033	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	0.002 (J)			
9/17/2018	<0.005 (D)					0.033	
3/13/2019							<0.005
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				0.026	
9/9/2019					<0.005		0.0022 (J)
9/12/2019	<0.005	0.01273 (JD)					
9/13/2019			0.00055 (J)			0.026	
3/9/2020				0.011 (J)	0.0007 (J)		<0.005
3/11/2020	<0.005	0.0002 (J)	0.0011 (J)			0.027	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0013 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	0.00096 (J)				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	0.0011 (J)				
2/17/2023						<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.018
4/23/2009							0.013
10/6/2009							0.012
4/27/2010							0.0095
9/30/2010							0.0087
4/14/2011							0.0061
10/5/2011							<0.025
4/11/2012							<0.025
10/2/2012							<0.025
4/9/2013							0.0053
10/15/2013							0.0076
4/10/2014							0.005
10/1/2014							0.0047 (J)
3/30/2015							0.0048 (J)
10/11/2015							0.0055
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.025
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0005 (J)					
7/22/2016			<0.005				
8/1/2016							0.0025 (J)
9/15/2016	0.0007 (J)						
9/16/2016				<0.005	<0.005		
9/19/2016			0.003 (J)				
9/21/2016		<0.005					
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						0.0004 (J)	0.003 (J)
9/22/2017				0.0004 (J)	0.0006 (J)		
9/25/2017	0.0003 (J)	0.0007 (J)					
9/26/2017			<0.005				
10/2/2017							0.0031 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	0.0021 (J)	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							0.0037 (J)
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							0.0028 (J)
9/18/2018						<0.005	
3/13/2019				<0.005	0.0015 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	0.0022 (J)	<0.005				
3/19/2019							0.0023 (J)
3/21/2019						<0.005 (D)	
9/10/2019	0.00038 (JD)	0.0022 (J)	<0.005				
9/11/2019				0.00036 (J)	0.00026 (J)		
9/12/2019						0.00045 (JD)	
9/13/2019							0.0023 (J)
3/6/2020	0.00093 (J)		0.00019 (J)				
3/9/2020		0.0014 (J)		0.00035 (J)	0.00035 (J)		
3/11/2020							0.0026 (J)
3/12/2020						0.0002 (J)	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							0.0018 (J)
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							0.0019 (J)
8/4/2021	<0.005	0.0008 (J)	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							0.0017 (J)
8/10/2021						<0.005	
1/31/2022	<0.005	0.0028 (J)	<0.005	0.0014 (J)	<0.005		
2/1/2022							0.0017 (J)
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							0.0014 (J)
8/17/2022						<0.005	
2/13/2023	<0.005	0.0012 (J)	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							0.0015 (J)
2/17/2023						<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.0058	0.007	<0.005	0.0032	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	0.0031	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						0.0029	0.0035
11/20/2007		0.006	0.0032				
1/16/2008						0.0067	
1/30/2008		0.0037	0.0039	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		0.0058	<0.005
3/6/2008		0.004	<0.005		<0.005		
5/7/2008				0.0037	0.0029		
5/8/2008			0.0039				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	0.064 (O)						
12/13/2008		0.0051				<0.005	0.0028
12/14/2008			0.0046	<0.005	<0.005		
4/16/2009						0.0032	
4/23/2009	0.034						
4/28/2009							<0.005
4/29/2009		0.003	<0.005	<0.005	<0.005		
10/6/2009	0.026						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						0.0034	
4/28/2010							<0.005
5/3/2010	0.014						
9/28/2010			<0.005	0.0028			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	0.014						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	0.028						
10/4/2011			<0.005	0.013	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.013						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	0.0198						
10/2/2012	0.011					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						0.0063	<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	0.018						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	0.016						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	0.005 (J)		
4/9/2014		<0.005	<0.005				
4/22/2014	0.014						
10/1/2014	0.0041 (J)						<0.005
10/2/2014		<0.005	<0.005	0.00084 (J)	0.0022 (J)	<0.005	
3/30/2015	0.012						
4/1/2015				<0.005	0.019	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		0.0027 (J)					
10/11/2015	0.0049 (J)			<0.005	0.013		
10/12/2015			<0.005				
10/14/2015						0.0017 (J)	
10/15/2015							<0.005
3/28/2016	0.00734 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	<0.005
8/1/2016	0.0049 (J)						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0023 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0003 (J)	
4/12/2017							0.0003 (J)
10/2/2017	0.0023 (J)						
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							0.0005 (J)
3/16/2018	0.0035 (J)						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	<0.005	
9/18/2018	0.0041 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							<0.005
3/19/2019	0.0029 (J)						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0028 (J)						
9/17/2019		<0.005	0.00029 (J)	<0.005	0.00031 (J)	<0.005 (D)	
9/18/2019							0.00057 (J)
3/11/2020	0.0035 (J)						
3/12/2020		<0.005	<0.005	0.00023 (J)	0.00032 (J)	<0.005	
3/13/2020							0.00033 (J)
9/15/2020	0.0031 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0024 (J)						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	0.0018 (J)	<0.005	
8/9/2021	0.0028 (J)						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	0.0033 (J)					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0098	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	0.0028 (J)						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		0.0048 (J)		0.021			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	0.0037			
11/17/2007		0.0031	0.02				
11/18/2007				0.007 (J)			
11/19/2007	0.0043						
1/15/2008		0.0033	0.0043	0.0055			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0026					
3/6/2008			<0.005				
3/10/2008				0.0042			
5/7/2008	<0.005	0.0028	0.0026				
5/13/2008				<0.005			
12/2/2008		0.0029	<0.005	0.0039			
12/12/2008	0.013						
4/16/2009		0.0035					
4/28/2009			0.003	<0.005			
4/29/2009	0.0029						
10/19/2009			<0.005				
10/20/2009		0.0056		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	0.0032						
9/29/2010		<0.005					
10/4/2010			0.0025				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	0.005 (J)						
4/21/2014		<0.005	<0.005	0.005 (J)			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		0.0012 (J)	0.00093 (J)				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
7/25/2016					0.0005 (J)	<0.005 (D)	<0.005 (D)
8/4/2016			0.0007 (J)				
8/9/2016		<0.005					
9/19/2016					<0.005	0.0032 (JD)	<0.005 (D)
11/3/2016					<0.005		<0.005 (D)
11/4/2016						0.0006 (JD)	
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						0.0008 (JD)	
3/28/2017					<0.005 (*)		
3/29/2017						0.0005 (JD)	0.0022 (JD)
4/11/2017	<0.005	<0.005		0.0003 (J)			
4/12/2017			<0.005				
9/26/2017					0.0006 (J)		
9/27/2017						0.0014 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		0.0003 (J)	<0.005			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.00043 (J)	0.012 (JD)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	0.00021 (X)						
3/10/2020					0.00067 (J)	0.00031 (J)	<0.005
3/13/2020		<0.005	0.00029 (J)	0.0002 (J)			
3/17/2020	0.00045 (J)						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0006 (J)		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.00053 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0054	<0.005	<0.005
2/22/2023	0.0014 (J)	<0.005	<0.005	<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0064
10/25/2007							0.0081
11/19/2007							0.0059
1/23/2008							0.018
3/11/2008							0.027
5/12/2008							0.016
12/11/2008							0.016
4/15/2009							0.017
10/9/2009							0.045
5/4/2010							0.031
10/12/2010							0.024
4/28/2011							0.0044
10/19/2011							0.038
5/2/2012							0.0865 (O)
10/9/2012							0.053
4/11/2013							0.04
10/16/2013							0.054
4/23/2014							0.054
10/3/2014							0.066
3/31/2015							0.025
10/12/2015							0.018
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							0.0256
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
7/26/2016	<0.005						
7/27/2016		<0.005	<0.005	<0.005	<0.005		
7/28/2016						0.0007 (J)	
8/1/2016							0.0178 (J)
9/20/2016	0.0008 (J)	0.0011 (J)	0.001 (J)	0.0018 (J)			
9/21/2016					<0.005	0.0018 (J)	
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
3/28/2017	<0.005			<0.005 (*)			
3/29/2017		0.0003 (J)	0.0003 (J)		<0.005		
3/30/2017						0.0003 (J)	
4/3/2017							0.0272
9/27/2017		<0.005	0.0011 (J)				
9/29/2017	<0.005			0.0003 (J)	<0.005	<0.005	
10/3/2017							0.0239 (J)
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							0.021 (J)
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							0.018 (J)
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.005			<0.005	
3/20/2019							0.023 (J)
9/11/2019	<0.005		0.0008 (J)	0.000535 (JD)	<0.005	0.00021 (J)	
9/12/2019		<0.005					
9/16/2019							0.016 (J)
3/9/2020		<0.005	0.00032 (J)	0.00035 (J)		0.00035 (J)	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							0.012 (J)
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							0.017 (J)
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							0.019
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			0.00061 (J)	
8/9/2021							0.026
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							0.024
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							0.021
2/14/2023	<0.005	0.0016 (J)	<0.005	<0.005	<0.005	<0.005	
2/20/2023							0.023

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.0033					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						0.0047
11/19/2007						0.0067 (J)
11/20/2007	0.0052					
1/15/2008						0.01
1/23/2008	0.0069					
3/6/2008						0.007
3/11/2008	0.0029					
5/13/2008						<0.005
5/14/2008	0.0035					
12/11/2008	<0.005					
12/12/2008						0.0048
4/16/2009						0.0042
4/23/2009	0.0038					
10/9/2009	0.0032					
10/13/2009						0.0034
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	0.0029					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	0.005 (J)					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	0.00091 (J)					
4/1/2015	0.0011 (J)					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.002 (J)	0.00091 (J)	
10/9/2015	<0.005	<0.005				
10/10/2015						0.00345 (JD)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
4/6/2017	<0.005	<0.005	0.0004 (J)	<0.005		0.0003 (J)
4/7/2017					<0.005	
10/3/2017	<0.005	<0.005	0.0006 (J)		0.0003 (J)	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	0.0018 (J)	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00025 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	0.00021 (J)
3/12/2020	<0.005	0.00028 (J)	0.00021 (J)	<0.005		0.00031 (J)
3/16/2020					0.00024 (J)	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					0.0657 (J)		
3/15/2016							0.0267 (J)
3/22/2016	0.0614 (J)						
3/23/2016		0.0477 (J)	0.0826 (J)			<0.1	
5/11/2016					0.0401 (J)		0.0255 (J)
5/16/2016				0.0202 (JD)			
5/19/2016	0.064 (J)		0.0409 (J)				
5/20/2016		0.033 (J)					
5/23/2016						<0.1	
7/19/2016					<0.1		
7/21/2016							<0.1
7/27/2016				0.08 (JD)			
7/29/2016	0.11 (J)	0.16 (J)	0.07 (J)			<0.1	
9/15/2016					<0.1		
9/19/2016							<0.1
9/22/2016			<0.1			<0.1	
9/23/2016	0.03 (J)	0.1 (J)					
11/2/2016					0.04 (J)		
11/3/2016							0.11 (J)
11/9/2016	0.1 (J)	0.04 (J)					
11/10/2016			0.03 (J)			<0.1	
1/17/2017							0.02 (J)
1/18/2017					0.03 (J)		
1/30/2017	<0.1						
1/31/2017		<0.1	<0.1			<0.1	
2/21/2017				0.17 (JD)			
3/24/2017							<0.1
3/27/2017				0.09 (JD)			
3/28/2017					0.06 (J)		
3/30/2017	0.01 (J)	0.02 (J)				<0.1	
4/3/2017			0.02 (J)				
5/24/2017							<0.1
6/7/2017					0.06 (J)		
6/8/2017				0.05 (JD)			
6/9/2017	0.04 (J)		0.06 (J)				
6/12/2017		0.17 (J)				<0.1	
7/17/2017				0.05 (JD)			
7/27/2017				0.08 (JD)			
8/9/2017				<0.1 (*)			
9/26/2017					0.04 (J)		<0.1
9/29/2017				0.04 (JD)			
10/2/2017	0.07 (J)	<0.1	<0.1				
10/4/2017						<0.1	
3/14/2018					0.14 (J)		0.055 (J)
3/16/2018	0.029 (J)		<0.1	0.27 (J)			
3/19/2018		1.1 (O)				<0.1	
9/12/2018					<0.1		<0.1
9/14/2018		<0.1	<0.1	0.1 (J)			
9/17/2018	<0.1 (D)					<0.1	
3/13/2019							0.045 (X)
3/14/2019				0.066 (X)			
3/15/2019					<0.1		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/19/2019			0.056 (J)				
3/20/2019	<0.1	<0.1				<0.1	
9/9/2019					0.054 (X)		<0.1
9/10/2019				0.055 (X)			
9/12/2019	0.051 (J)	<0.1 (D)					
9/13/2019			0.055 (J)			<0.1	
3/9/2020				<0.1	<0.1		<0.1
3/11/2020	0.052 (J)	<0.1	0.052 (J)			<0.1	
9/10/2020					<0.1		
9/11/2020							<0.1
9/15/2020	0.05 (J)	<0.1	<0.1				
9/16/2020				<0.1			
3/10/2021							<0.1
3/12/2021					0.051 (J)		
3/16/2021	<0.1		<0.1	<0.1			
3/17/2021		<0.1					
3/29/2021						0.053 (J)	
8/4/2021					<0.1		<0.1
8/6/2021				<0.1			
8/9/2021	<0.1	<0.1	<0.1			0.055 (J)	
1/31/2022					<0.1		<0.1
2/1/2022	<0.1	<0.1	<0.1				
2/2/2022				<0.1		<0.1	
8/10/2022					0.075 (J)		
8/12/2022							0.068 (J)
8/16/2022	0.089 (J)	0.086 (J)	0.09 (J)	<0.1		0.082 (J)	
2/13/2023					0.064 (J)		0.054 (J)
2/14/2023				0.074 (J)			
2/16/2023	0.07 (J)	0.061 (J)	0.079 (J)				
2/17/2023						0.055 (J)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			0.0296 (J)	0.0329 (J)	0.0141 (J)		
3/15/2016	0.0285 (J)	0.0394 (J)					
3/28/2016							0.0314 (J)
5/12/2016	0.022 (J)						
5/13/2016		0.0234 (J)		0.0459 (J)	0.0141 (J)		
5/16/2016			0.0287 (J)				
5/23/2016							0.027 (J)
7/19/2016				<0.1	<0.1		
7/20/2016	<0.1						
7/21/2016		<0.1					
7/22/2016			0.04 (J)				
8/1/2016							<0.1
9/15/2016	<0.1						
9/16/2016				<0.1	<0.1		
9/19/2016			<0.1				
9/21/2016		<0.1					
9/26/2016							<0.1
11/2/2016				0.04 (J)	0.04 (J)		
11/3/2016	0.05 (J)	0.12 (J)	0.04 (J)				
11/10/2016							0.04 (J)
1/17/2017		0.01 (J)	0.02 (J)				
1/18/2017	0.02 (J)			<0.1	0.02 (J)		
1/30/2017							<0.1
2/22/2017						0.3 (D)	
3/24/2017	<0.1						
3/27/2017		<0.1	<0.1				
3/28/2017				<0.1	<0.1		
4/7/2017						0.19 (JD)	<0.1
6/6/2017	<0.1	<0.1		<0.1	<0.1		
6/7/2017			<0.1				
6/12/2017							0.07 (J)
6/14/2017						0.19 (JD)	
7/12/2017						0.18 (JD)	
7/20/2017						0.17 (JD)	
7/28/2017						0.13 (JD)	
8/9/2017						0.245 (JD)	
8/24/2017						0.16 (JD)	
9/22/2017				<0.1	<0.1		
9/25/2017	<0.1	<0.1					
9/26/2017			<0.1				
10/2/2017							<0.1
10/3/2017						0.17 (JD)	
3/14/2018	<0.1	<0.1	0.06 (J)	<0.1			
3/15/2018					<0.1		
3/16/2018							<0.1
3/21/2018						0.24 (J)	
9/12/2018	<0.1	<0.1		<0.1	<0.1		
9/14/2018			<0.1				
9/17/2018							<0.1
9/18/2018						<0.3	
3/13/2019				<0.1	0.036 (X)		
3/14/2019	0.039 (X)	0.04 (X)	0.058 (X)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<0.1
3/21/2019						0.19 (JD)	
9/10/2019	<0.1	<0.1	<0.1				
9/11/2019				<0.1	<0.1		
9/12/2019						0.1 (JD)	
9/13/2019							<0.1
3/6/2020	<0.1		<0.1				
3/9/2020		<0.1		<0.1	<0.1		
3/11/2020							<0.1
3/12/2020						0.18 (J)	
9/10/2020	<0.1	<0.1	<0.1				
9/11/2020				<0.1			
9/14/2020					<0.1		
9/16/2020							<0.1
9/17/2020						0.12 (J)	
3/10/2021		<0.1					
3/11/2021	<0.1		<0.1	<0.1	<0.1		
3/16/2021						0.1	
3/17/2021							<0.1
8/4/2021	<0.1	<0.1	<0.1				
8/5/2021					<0.1		
8/6/2021				<0.1			
8/9/2021							<0.1
8/10/2021						0.087 (J)	
1/31/2022	<0.1	<0.1	<0.1	<0.1	<0.1		
2/1/2022							<0.1
2/3/2022						0.15	
8/10/2022			0.068 (J)		0.062 (J)		
8/11/2022	<0.1	<0.1		<0.1			
8/16/2022							0.06 (J)
8/17/2022						0.11	
2/13/2023	0.05 (J)	<0.1	0.056 (J)		<0.1		
2/14/2023				0.052 (J)			
2/16/2023							<0.1
2/17/2023						0.11	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.0326 (J)						
3/31/2016		0.0389 (J)	0.0209 (J)				
4/4/2016				0.0357 (J)	0.022 (J)	0.035 (J)	0.026 (J)
5/25/2016	0.0285 (J)						
5/26/2016		0.0375 (J)	0.037 (J)	0.042 (J)	0.023 (J)		
5/27/2016						0.032 (J)	
5/31/2016							0.0234 (J)
8/1/2016	<0.1						
8/3/2016			<0.1	0.04 (J)		<0.1	
8/4/2016					0.05 (J)		0.09 (J)
8/5/2016		0.03 (J)					
9/26/2016	<0.1						
9/28/2016		<0.1	0.05 (J)	<0.1	<0.1		
9/29/2016							<0.1
9/30/2016						<0.1	
11/11/2016	<0.1						
11/22/2016		0.04 (J)	0.04 (J)	0.06 (J)	0.04 (J)	0.03 (J)	
11/28/2016							0.08 (J)
1/30/2017	<0.1						
2/7/2017		<0.1	<0.1				
2/8/2017				0.05 (J)	<0.1		
2/9/2017							0.24 (J)
2/13/2017						<0.1	
4/3/2017	0.04 (J)						
4/10/2017		<0.1	<0.1	<0.1	<0.1		
4/11/2017						<0.1	
4/12/2017							<0.1
6/12/2017	0.06 (J)						
6/14/2017		0.02 (J)	<0.1			0.01 (J)	
6/15/2017				0.03 (J)	<0.1		
6/16/2017							0.04 (J)
10/2/2017	<0.1						
10/4/2017		<0.1	<0.1	<0.1	<0.1	<0.1	
10/9/2017							<0.1
3/16/2018	<0.1						
3/20/2018		<0.1					
3/21/2018			<0.1	<0.1			<0.1
3/22/2018					<0.1	<0.1	
9/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
9/19/2018							<0.1
3/19/2019	<0.1						
3/22/2019		0.045 (J)	<0.1				
3/23/2019				<0.1	<0.1	<0.1	<0.1
9/12/2019	<0.1						
9/17/2019		<0.1	<0.1	<0.1	<0.1	<0.1 (D)	
9/18/2019							<0.1
3/11/2020	<0.1						
3/12/2020		<0.1	<0.1	<0.1	<0.1	<0.1	
3/13/2020							<0.1
9/15/2020	<0.1						
9/17/2020		<0.1	<0.1				
9/21/2020				<0.1	<0.1	<0.1	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.1
3/17/2021	<0.1						
3/18/2021		<0.1	<0.1				<0.1
3/19/2021				<0.1	<0.1	<0.1	
8/9/2021	<0.1						
8/10/2021		<0.1					
8/11/2021			<0.1	<0.1	<0.1	<0.1	<0.1
2/2/2022	<0.1					<0.1	
2/4/2022		<0.1	<0.1	<0.1	<0.1		
2/17/2022							<0.1
8/17/2022	0.063 (J)	0.094 (J)					
8/18/2022			0.051 (J)	<0.1	<0.1	0.052 (J)	0.061 (J)
2/16/2023	<0.1						
2/20/2023		<0.1	<0.1	<0.1	<0.1		
2/21/2023						0.054 (J)	
2/22/2023							0.06 (J)

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					0.0657 (J)	<0.1	0.0167 (J)
4/4/2016	0.044 (J)						
4/5/2016		0.019 (J)	0.027 (J)	0.053 (J)			
5/16/2016					0.0415 (J)	<0.1 (D)	0.0161 (JD)
5/31/2016			0.0233 (J)	0.0669 (J)			
6/1/2016	0.0338 (J)	0.0148 (J)					
7/25/2016					0.14 (J)	0.02 (JD)	0.14 (JD)
8/4/2016			<0.1				
8/9/2016		0.04 (J)					
9/19/2016					<0.1	<0.1 (D)	<0.1 (D)
9/29/2016			<0.1				
11/3/2016					0.06 (J)		0.08 (JD)
11/4/2016						0.04 (JD)	
11/23/2016			0.04 (J)	0.03 (J)			
11/28/2016		0.07 (J)					
1/19/2017					0.009 (J)		
1/20/2017							0.01 (JD)
1/23/2017						0.006 (JD)	
2/9/2017		0.08 (J)					
2/10/2017			<0.1	<0.1			
2/22/2017	0.22 (J)						
3/28/2017					0.04 (J)		
3/29/2017						<0.1 (D)	<0.1 (D)
4/11/2017	0.16 (J)	<0.1		<0.1			
4/12/2017			<0.1				
6/5/2017					0.06 (J)		
6/7/2017						<0.1	<0.1
6/14/2017		0.01 (J)					
6/15/2017			0.06 (J)	0.02 (J)			
6/16/2017	0.2 (J)						
7/12/2017	0.2 (J)	0.05 (J)		0.04 (J)			
7/20/2017					0.21 (J)		
7/26/2017				0.03 (J)			
7/28/2017	0.18 (J)						
8/10/2017	<0.3						
9/26/2017					0.14 (J)		
9/27/2017						<0.1	<0.1
10/5/2017		<0.1					
10/6/2017	0.14 (J)		<0.1	<0.1			
3/15/2018					0.11 (J)	<0.1	<0.1
3/22/2018		<0.1					
3/23/2018	0.24 (J)		<0.1	<0.1			
9/12/2018					0.062 (J)		
9/13/2018						<0.1	<0.1
9/19/2018		<0.1	<0.1	<0.1			
9/20/2018	<0.3						
3/14/2019					0.13 (X)	<0.1 (D)	0.039 (JXD)
3/22/2019	0.12 (J)	<0.1		<0.1			
3/25/2019			<0.1				
9/11/2019					<0.1	<0.1 (D)	<0.1 (D)
9/17/2019		<0.1	<0.1	<0.1			
9/18/2019	0.17 (X)						

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					0.13 (J)	<0.1	<0.1
3/13/2020		<0.1	<0.1	<0.1			
3/17/2020	0.11 (J)						
9/11/2020						<0.1	<0.1
9/15/2020					<0.1		
9/21/2020		<0.1	<0.1	<0.1			
9/22/2020	0.1 (J)						
3/11/2021					<0.1	<0.1	<0.1
3/18/2021		<0.1	<0.1	<0.1			
3/19/2021	0.12						
8/4/2021					<0.1		
8/6/2021						<0.1	<0.1
8/11/2021		<0.1	<0.1	<0.1			
8/12/2021	0.11						
1/31/2022					<0.1		
2/1/2022						<0.1	<0.1
2/4/2022	0.13	<0.1	<0.1				
2/7/2022				<0.1			
8/12/2022						<0.1	0.063 (J)
8/15/2022					0.056 (J)		
8/18/2022		<0.1					
8/19/2022	0.14		0.054 (J)	0.053 (J)			
2/14/2023					0.075 (J)	<0.1	<0.1
2/22/2023	0.15	<0.1	0.05 (J)	<0.1			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	0.0235 (J)	0.0439 (J)	0.0551 (J)	0.0195 (J)			
3/17/2016					0.0257 (J)	0.017 (J)	
3/28/2016							0.0284 (J)
5/17/2016	0.0281 (J)			0.0156 (J)			
5/18/2016		0.059 (J)	0.065 (J)		0.022 (J)	0.015 (J)	
5/25/2016							0.0207 (J)
7/26/2016	<0.1						
7/27/2016		0.1 (J)	0.09 (J)	<0.1	0.07 (J)		
7/28/2016						0.08 (J)	
8/1/2016							<0.1
9/20/2016	<0.1	0.04 (J)	<0.1	0.03 (J)			
9/21/2016					<0.1	<0.1	
9/27/2016							<0.1
11/4/2016	0.05 (J)		0.04 (J)	0.06 (J)	0.03 (J)		
11/7/2016		0.1 (J)				<0.1	
11/11/2016							0.04 (J)
1/20/2017	0.01 (J)		0.009 (J)				
1/23/2017		0.13 (J)		0.02 (J)			
1/24/2017					<0.1	<0.1	
1/31/2017							<0.1
3/28/2017	<0.1			<0.1			
3/29/2017		0.04 (J)	<0.1		<0.1		
3/30/2017						<0.1	
4/3/2017							<0.1
6/7/2017	<0.1						
6/8/2017		0.05 (J)	<0.1 (*)	0.06 (J)	<0.1 (*)		
6/9/2017						<0.1	
6/12/2017							0.02 (J)
9/27/2017		0.04 (J)	<0.1				
9/29/2017	<0.1			<0.1	<0.1	<0.1	
10/3/2017							<0.1
3/15/2018	<0.1	<0.1		<0.1	<0.1	<0.1	
3/16/2018			0.13 (J)				
3/19/2018							<0.1
9/13/2018	<0.1	0.047 (J)	<0.1	<0.1	<0.1		
9/14/2018						<0.1	
9/17/2018							<0.1
3/15/2019		<0.1		<0.1			
3/18/2019	<0.1				<0.1		
3/19/2019			<0.1			<0.1	
3/20/2019							<0.1
9/11/2019	<0.1		<0.1	<0.1	<0.1	<0.1	
9/12/2019		<0.1					
9/16/2019							<0.1
3/9/2020		<0.1	<0.1	<0.1		<0.1	
3/10/2020	<0.1						
3/11/2020					<0.1		
3/16/2020							<0.1
9/11/2020					<0.1		
9/14/2020	<0.1	<0.1		<0.1		<0.1	
9/15/2020			<0.1				
9/16/2020							<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	<0.1	<0.1	<0.1	<0.1			
3/15/2021					<0.1	<0.1	
3/17/2021							<0.1
8/4/2021				<0.1			
8/5/2021	<0.1	<0.1	<0.1			<0.1	
8/9/2021							<0.1
8/11/2021					<0.1		
1/31/2022	<0.1			<0.1			
2/1/2022		<0.1	<0.1		<0.1	<0.1	
2/2/2022							<0.1
8/15/2022	0.06 (J)	0.058 (J)	0.069 (J)	0.065 (J)	<0.1	<0.1	
8/16/2022							0.062 (J)
2/14/2023	0.091 (J)	0.064 (J)	0.081 (J)	0.058 (J)	<0.1	<0.1	
2/20/2023							<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					0.048 (J)	
3/29/2016	0.0239 (J)	0.0364 (J)				
3/30/2016				0.0228 (J)		0.0241 (J)
5/24/2016	0.023 (J)	0.0286 (J)		0.019 (J)		
5/25/2016					0.0345 (J)	
5/26/2016						0.0307 (J)
5/31/2016			0.043 (J)			
8/1/2016	<0.1	0.08 (J)				
8/2/2016			<0.1	<0.1	0.08 (J)	
8/5/2016						<0.1
9/26/2016	<0.1	<0.1			0.07 (J)	
9/27/2016			<0.1	<0.1		
9/28/2016						<0.1
11/14/2016		0.08 (J)				
11/18/2016	0.02 (J)					
11/21/2016			0.22 (J)		0.07 (J)	0.05 (J)
11/22/2016				0.02 (J)		
2/1/2017	<0.1	<0.1	<0.1			
2/3/2017					<0.1	
2/6/2017				<0.1		<0.1
4/6/2017	<0.1	<0.1	0.008 (J)	<0.1		<0.1
4/7/2017					0.03 (J)	
6/13/2017	0.006 (J)	0.05 (J)	0.03 (J)		0.05 (J)	<0.1
6/14/2017				<0.1		
7/14/2017			0.05 (J)			
10/3/2017	<0.1	<0.1	0.06 (J)		0.1 (J)	<0.1
10/4/2017				<0.1		
3/19/2018	<0.1					
3/20/2018		<0.1	<0.1		<0.1	<0.1
3/21/2018				<0.1		
9/17/2018	<0.1	<0.1				
9/18/2018			<0.1	<0.1	<0.1	<0.1 (D)
3/21/2019	<0.1	<0.1	<0.1			<0.1
3/27/2019				<0.1		
5/6/2019					<0.1	
9/13/2019			<0.1			
9/16/2019	<0.1	<0.1		<0.1 (D)	<0.1	<0.1
3/12/2020	<0.1	<0.1	<0.1	<0.1		<0.1
3/16/2020					<0.1	
9/16/2020	<0.1	<0.1	<0.1			
9/17/2020				<0.1	<0.1	<0.1
3/17/2021	<0.1	<0.1	<0.1	<0.1		
3/18/2021					<0.1	<0.1
8/10/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2/2/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8/17/2022	0.064 (J)	0.07 (J)	0.073 (J)	0.062 (J)	0.062 (J)	0.067 (J)
2/17/2023	<0.1	0.052 (J)				
2/20/2023			0.057 (J)		0.061 (J)	
2/21/2023				0.057 (J)		<0.1

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.001	<0.001	<0.001			<0.001	
10/23/2007	<0.001						
10/24/2007		<0.001	<0.001				
11/2/2007						<0.001	
11/18/2007	<0.001	<0.001	<0.001			<0.001	
1/30/2008	<0.001						
1/31/2008		<0.001	<0.001			<0.001	
3/10/2008	<0.001		<0.001				
3/11/2008		<0.001				<0.001	
5/6/2008		<0.001					
5/13/2008	<0.001		<0.001				
5/14/2008						<0.001	
12/4/2008		<0.001	<0.001				
12/5/2008	<0.001					<0.001	
4/15/2009	<0.001					<0.001	
4/21/2009		<0.001	<0.001				
10/7/2009	<0.001	<0.001					
10/8/2009			<0.001			<0.001	
4/21/2010			<0.001				
4/26/2010		<0.001					
4/28/2010						<0.001	
5/3/2010	<0.001						
9/28/2010			<0.001				
10/4/2010		<0.001					
10/6/2010						<0.001	
10/12/2010	<0.001						
4/12/2011			<0.001				
4/13/2011		<0.001					
4/21/2011						<0.001	
4/27/2011	<0.001						
10/4/2011			<0.001				
10/5/2011		<0.001					
10/13/2011						<0.001	
10/17/2011	<0.001						
4/3/2012			<0.001				
4/11/2012		<0.001					
5/1/2012						<0.001	
5/2/2012	<0.001						
10/8/2012	<0.001						
10/9/2012		<0.001	<0.001			<0.001	
4/11/2013			<0.001			<0.001	
4/12/2013	<0.001						
4/15/2013		<0.001					
10/15/2013		<0.001					
10/16/2013	<0.001		<0.001			<0.001	
4/10/2014			<0.001				
4/11/2014	<0.001						
4/22/2014		<0.001					
4/23/2014						<0.001	
9/30/2014	<0.001	<0.001	<0.001				
10/4/2014						<0.001	
3/30/2015	0.0028 (J)	<0.001	<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.001	
10/12/2015						<0.001	
10/13/2015	<0.001	<0.001	<0.001				
3/14/2016					<0.001		
3/15/2016							<0.001
3/22/2016	<0.001						
3/23/2016		<0.001	<0.001			<0.001	
5/11/2016					<0.001		<0.001
5/16/2016				<0.001 (D)			
5/19/2016	<0.001		<0.001				
5/20/2016		<0.001					
5/23/2016						<0.001	
7/19/2016					<0.001		
7/21/2016							<0.001
7/27/2016				0.0011 (JD)			
7/29/2016	0.0002 (J)	0.0001 (J)	<0.001			<0.001	
9/15/2016					<0.001		<0.001
9/22/2016			<0.001			<0.001	
9/23/2016	<0.001	<0.001					
11/2/2016					<0.001		
11/3/2016							<0.001
11/9/2016	0.0004 (J)	<0.001					
11/10/2016			<0.001			<0.001	
1/17/2017							<0.001
1/18/2017					<0.001		
1/30/2017	<0.001						
1/31/2017		<0.001	<0.001			<0.001	
2/21/2017				<0.001			
3/24/2017							<0.001 (*)
3/27/2017				<0.001 (D)			
3/28/2017					<0.001 (*)		
3/30/2017	8E-05 (J)	<0.001				<0.001	
4/3/2017			<0.001				
5/24/2017							0.0001 (J)
6/7/2017					8E-05 (J)		
6/8/2017				<0.001 (D)			
6/9/2017	0.0001 (J)		<0.001				
6/12/2017		<0.001				<0.001	
7/17/2017				<0.001 (D)			
7/27/2017				0.0001 (J)			
8/9/2017				<0.001			
9/26/2017					0.0002 (J)		0.0001 (J)
9/29/2017				<0.001 (D)			
10/2/2017	0.0002 (J)	<0.001	<0.001				
10/4/2017						<0.001	
3/14/2018					<0.001		0.00046 (J)
3/16/2018	<0.001		<0.001	<0.001			
3/19/2018		<0.001				<0.001	
9/12/2018					<0.001		<0.001
9/14/2018		<0.001	<0.001	<0.001			
9/17/2018	<0.001 (D)					<0.001	
3/13/2019							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.001			
3/15/2019					<0.001		
3/19/2019			<0.001				
3/20/2019	<0.001	<0.001				<0.001	
9/9/2019					<0.001		<0.001
9/12/2019	<0.001	0.002536 (JD)					
9/13/2019			<0.001			<0.001	
3/9/2020				0.00027 (J)	5.5E-05 (J)		9.5E-05 (J)
3/11/2020	<0.001	<0.001	5.8E-05 (J)			<0.001	
9/10/2020					<0.001		
9/11/2020							<0.001
9/15/2020	9.3E-05 (J)	<0.001	5E-05 (J)				
9/16/2020				0.0005 (J)			
3/10/2021							<0.001
3/12/2021					0.0002 (J)		
3/16/2021	5.2E-05 (J)		7E-05 (J)	0.0002 (J)			
3/17/2021		<0.001					
3/29/2021						<0.001	
8/4/2021					<0.001		<0.001
8/6/2021				<0.001			
8/9/2021	<0.001	<0.001	<0.001			<0.001	
1/31/2022					<0.001		<0.001
2/1/2022	<0.001	<0.001	<0.001				
2/2/2022				<0.001		<0.001	
8/10/2022					<0.001		
8/12/2022							<0.001
8/16/2022	<0.001	<0.001	<0.001	<0.001		<0.001	
2/13/2023					<0.001		<0.001
2/14/2023				<0.001			
2/16/2023	<0.001	<0.001	<0.001				
2/17/2023						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.001
4/23/2009							<0.001
10/6/2009							<0.001
4/27/2010							<0.001
9/30/2010							<0.001
4/14/2011							<0.001
10/5/2011							<0.001
4/11/2012							<0.001
10/2/2012							<0.001
4/9/2013							<0.001
10/15/2013							<0.001
4/10/2014							<0.001
10/1/2014							<0.001
3/30/2015							<0.001
10/11/2015							<0.001
3/11/2016			<0.001	<0.001	<0.001		
3/15/2016	<0.001	<0.001					
3/28/2016							<0.001
5/12/2016	<0.001						
5/13/2016		<0.001		<0.001	<0.001		
5/16/2016			<0.001				
5/23/2016							<0.001
7/19/2016				<0.001	<0.001		
7/20/2016	<0.001						
7/21/2016		0.0001 (J)					
7/22/2016			0.0001 (J)				
8/1/2016							<0.001
9/15/2016	<0.001						
9/16/2016				<0.001	<0.001		
9/19/2016			0.0002 (J)				
9/21/2016		<0.001					
9/26/2016							0.0001 (J)
11/2/2016				<0.001	<0.001		
11/3/2016	<0.001	<0.001	<0.001				
11/10/2016							<0.001
1/17/2017		<0.001	<0.001				
1/18/2017	<0.001			<0.001	<0.001		
1/30/2017							<0.001
2/22/2017						0.0002 (J)	
3/24/2017	<0.001						
3/27/2017		<0.001	<0.001				
3/28/2017				<0.001	<0.001		
4/7/2017						<0.001	<0.001
6/6/2017	<0.001	<0.001		7E-05 (J)	0.0001 (J)		
6/7/2017			<0.001				
6/12/2017							<0.001
6/14/2017						<0.001 (D)	
7/12/2017						<0.001 (D)	
7/20/2017						<0.001 (D)	
7/28/2017						<0.001	
8/9/2017						<0.001	
8/24/2017						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				8E-05 (J)	7E-05 (J)		
9/25/2017	<0.001	0.0001 (J)					
9/26/2017			<0.001				
10/2/2017							0.0003 (J)
10/3/2017						<0.001 (D)	
3/14/2018	<0.001	0.00031 (J)	<0.001	<0.001			
3/15/2018					0.0038 (J)		
3/16/2018							<0.001
3/21/2018						<0.001	
9/12/2018	<0.001	<0.001		<0.001	<0.001		
9/14/2018			<0.001				
9/17/2018							<0.001
9/18/2018						<0.001	
3/13/2019				<0.001	<0.001		
3/14/2019	<0.001	0.00031 (J)	<0.001				
3/19/2019							<0.001
3/21/2019						<0.001 (D)	
9/10/2019	<0.001 (D)	<0.001	<0.001				
9/11/2019				0.0001 (J)	9.2E-05 (J)		
9/12/2019						6.5E-05 (JD)	
9/13/2019							<0.001
3/6/2020	9.1E-05 (J)		0.00011 (J)				
3/9/2020		4.9E-05 (J)		9.1E-05 (J)	9.6E-05 (J)		
3/11/2020							<0.001
3/12/2020						<0.001	
9/10/2020	<0.001	<0.001	<0.001				
9/11/2020				4.6E-05 (J)			
9/14/2020					6.6E-05 (J)		
9/16/2020							9.3E-05 (J)
9/17/2020						<0.001	
3/10/2021		0.00012 (J)					
3/11/2021	<0.001		<0.001	6.3E-05 (J)	0.00013 (J)		
3/16/2021						<0.001	
3/17/2021							<0.001
8/4/2021	<0.001	<0.001	<0.001				
8/5/2021					<0.001		
8/6/2021				<0.001			
8/9/2021							<0.001
8/10/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022							<0.001
2/3/2022						<0.001	
8/10/2022			<0.001		<0.001		
8/11/2022	<0.001	<0.001		<0.001			
8/16/2022							<0.001
8/17/2022						<0.001	
2/13/2023	<0.001	<0.001	<0.001		<0.001		
2/14/2023				<0.001			
2/16/2023							<0.001
2/17/2023						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2007		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/18/2007				<0.001	<0.001		
11/19/2007						<0.001	<0.001
11/20/2007		<0.001	<0.001				
1/16/2008						<0.001	
1/30/2008		<0.001	<0.001	<0.001	<0.001		
1/31/2008							<0.001
3/5/2008				<0.001		<0.001	<0.001
3/6/2008		<0.001	<0.001		<0.001		
5/7/2008				<0.001	<0.001		
5/8/2008			<0.001				
5/12/2008		<0.001					<0.001
5/13/2008						<0.001	
12/12/2008	<0.001						
12/13/2008		<0.001				<0.001	<0.001
12/14/2008			<0.001	<0.001	<0.001		
4/16/2009						<0.001	
4/23/2009	<0.001						
4/28/2009							<0.001
4/29/2009		<0.001	<0.001	<0.001	<0.001		
10/6/2009	<0.001						
10/20/2009		<0.001					
10/21/2009			<0.001			<0.001	<0.001
10/22/2009				<0.001	<0.001		
4/21/2010			<0.001	<0.001	<0.001		
4/26/2010		<0.001					
4/27/2010						<0.001	
4/28/2010							<0.001
5/3/2010	<0.001						
9/28/2010			<0.001	<0.001			
9/29/2010		<0.001			<0.001		
10/5/2010						<0.001	<0.001
10/11/2010	<0.001						
4/12/2011			<0.001	<0.001			
4/13/2011		<0.001			<0.001		
4/19/2011						<0.001	<0.001
4/27/2011	<0.001						
10/4/2011			<0.001	<0.001	<0.001		
10/5/2011		<0.001					
10/12/2011						<0.001	
10/18/2011							<0.001
10/19/2011	<0.001						
4/3/2012			<0.001	<0.001			
4/4/2012		<0.001			<0.001		
4/24/2012						<0.001	
4/25/2012							<0.001
5/1/2012	0.0012						
10/2/2012	<0.001					<0.001	<0.001
10/3/2012		<0.001		<0.001	<0.001		
10/8/2012			<0.001				
4/2/2013						<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.001	<0.001	<0.001	<0.001		
4/10/2013	<0.001						
10/8/2013							<0.001
10/9/2013				<0.001	<0.001	<0.001	
10/15/2013		<0.001	<0.001				
10/16/2013	<0.001						
4/1/2014						<0.001	<0.001
4/2/2014				<0.001	<0.001		
4/9/2014		<0.001	<0.001				
4/22/2014	<0.001						
10/1/2014	<0.001						<0.001
10/2/2014		<0.001	<0.001	<0.001	<0.001	<0.001	
3/30/2015	<0.001						
4/1/2015				<0.001	<0.001	<0.001	<0.001
4/2/2015		<0.001	<0.001				
10/10/2015		<0.001					
10/11/2015	<0.001			<0.001	<0.001		
10/12/2015			<0.001				
10/14/2015						<0.001	
10/15/2015							<0.001
3/28/2016	<0.001						
3/31/2016		<0.001	<0.001				
4/4/2016				<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001						
5/26/2016		<0.001	<0.001	<0.001	<0.001		
5/27/2016						<0.001	
5/31/2016							<0.001
8/1/2016	<0.001						
8/3/2016			<0.001	<0.001		<0.001	
8/4/2016					<0.001		0.0001 (J)
8/5/2016		<0.001					
9/26/2016	<0.001						
9/28/2016		<0.001	<0.001	<0.001	<0.001		
9/29/2016							0.0001 (J)
9/30/2016						<0.001	
11/11/2016	<0.001						
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001	
11/28/2016							<0.001
1/30/2017	<0.001						
2/7/2017		<0.001	<0.001				
2/8/2017				<0.001	<0.001		
2/9/2017							0.0001 (J)
2/13/2017						<0.001	
4/3/2017	<0.001						
4/10/2017		<0.001	<0.001	<0.001	<0.001		
4/11/2017						<0.001	
4/12/2017							<0.001
6/12/2017	<0.001						
6/14/2017		<0.001	<0.001			<0.001	
6/15/2017				9E-05 (J)	<0.001		
6/16/2017							0.0002 (J)
10/2/2017	<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001	
10/9/2017							0.0001 (J)
3/16/2018	<0.001						
3/20/2018		<0.001					
3/21/2018			<0.001	<0.001			<0.001
3/22/2018					<0.001	<0.001	
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/19/2018							<0.001
3/19/2019	<0.001						
3/22/2019		<0.001	<0.001				
3/23/2019				<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001						
9/17/2019		4.7E-05 (J)	0.00017 (J)	4.6E-05 (J)	8.2E-05 (J)	<0.001 (D)	
9/18/2019							0.0002 (J)
3/11/2020	<0.001						
3/12/2020		<0.001	<0.001	5.2E-05 (J)	4.6E-05 (J)	<0.001	
3/13/2020							0.00013 (J)
9/15/2020	<0.001						
9/17/2020		<0.001	<0.001				
9/21/2020				<0.001	<0.001	<0.001	
9/22/2020							0.00015 (J)
3/17/2021	<0.001						
3/18/2021		<0.001	<0.001				0.00024 (J)
3/19/2021				<0.001	0.00018 (J)	<0.001	
8/9/2021	<0.001						
8/10/2021		<0.001					
8/11/2021			<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001					<0.001	
2/4/2022		<0.001	<0.001	<0.001	<0.001		
2/17/2022							<0.001
8/17/2022	<0.001	<0.001					
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2023	<0.001						
2/20/2023		<0.001	<0.001	<0.001	<0.001		
2/21/2023						<0.001	
2/22/2023							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.001						
8/23/2007			<0.001				
8/24/2007		<0.001		<0.001			
11/1/2007	<0.001						
11/2/2007		<0.001	<0.001	<0.001			
11/17/2007		<0.001	<0.001				
11/18/2007				<0.001			
11/19/2007	<0.001						
1/15/2008		<0.001	<0.001	<0.001			
1/31/2008	<0.001						
3/5/2008	<0.001	<0.001					
3/6/2008			<0.001				
3/10/2008				<0.001			
5/7/2008	<0.001	<0.001	<0.001				
5/13/2008				<0.001			
12/2/2008		<0.001	<0.001	<0.001			
12/12/2008	<0.001						
4/16/2009		<0.001					
4/28/2009			<0.001	<0.001			
4/29/2009	<0.001						
10/19/2009			<0.001				
10/20/2009		<0.001		<0.001			
10/21/2009	<0.001						
4/20/2010		<0.001					
4/27/2010			<0.001	<0.001			
4/28/2010	<0.001						
9/29/2010		<0.001					
10/4/2010			<0.001				
10/5/2010				<0.001			
10/6/2010	<0.001						
4/12/2011		<0.001					
4/18/2011			<0.001				
4/19/2011				<0.001			
4/20/2011	<0.001						
10/4/2011		<0.001					
10/12/2011	<0.001		<0.001	<0.001			
4/4/2012		<0.001					
4/23/2012			<0.001				
4/25/2012	<0.001			<0.001			
10/2/2012	<0.001						
10/10/2012		<0.001	<0.001	<0.001			
4/2/2013	<0.001						
4/15/2013		<0.001	<0.001				
4/16/2013				<0.001			
10/8/2013	<0.001						
10/22/2013		<0.001	<0.001	<0.001			
4/1/2014	<0.001						
4/21/2014		<0.001	<0.001	<0.001			
9/30/2014		<0.001	<0.001	<0.001			
10/1/2014	<0.001						
3/31/2015	<0.001						
4/3/2015		<0.001	<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.001			
10/7/2015		<0.001	<0.001				
10/14/2015	<0.001						
3/16/2016					<0.001	<0.001	<0.001
4/4/2016	<0.001						
4/5/2016		<0.001	<0.001	<0.001			
5/16/2016					<0.001	<0.001 (D)	<0.001 (D)
5/31/2016			<0.001	<0.001			
6/1/2016	<0.001	<0.001					
7/25/2016					0.0003 (J)	0.0002 (JD)	0.0001 (JD)
8/4/2016			<0.001				
8/9/2016		<0.001					
9/19/2016					0.0002 (J)	0.0004 (JD)	<0.001 (D)
9/29/2016			0.0008 (J)				
11/3/2016					0.0002 (J)		<0.001 (D)
11/4/2016						0.0002 (JD)	
11/23/2016			0.0011 (J)	<0.001			
11/28/2016		<0.001					
1/19/2017					0.0003 (J)		
1/20/2017							<0.001 (D)
1/23/2017						0.0001 (JD)	
2/9/2017		0.0002 (J)					
2/10/2017			<0.001	<0.001			
2/22/2017	0.0003 (J)						
3/28/2017					<0.001 (*)		
3/29/2017						0.0001 (JD)	0.0001 (JD)
4/11/2017	<0.001	<0.001		<0.001			
4/12/2017			<0.001				
6/5/2017					0.0007 (J)		
6/7/2017						0.0001 (J)	8E-05 (J)
6/14/2017		<0.001					
6/15/2017			0.0005 (J)	<0.001			
6/16/2017	<0.001						
7/12/2017	<0.001	<0.001		<0.001			
7/26/2017				<0.001			
7/28/2017	<0.001						
8/10/2017	<0.001						
9/26/2017					0.0004 (J)		
9/27/2017						0.0003 (J)	9E-05 (J)
10/5/2017		<0.001					
10/6/2017	<0.001		0.0004 (J)	<0.001			
3/15/2018					0.00064 (J)	<0.001	<0.001
3/22/2018		<0.001					
3/23/2018	<0.001		0.00028 (J)	<0.001			
9/12/2018					0.00037 (J)		
9/13/2018						<0.001	<0.001
9/19/2018		<0.001	0.00029 (J)	<0.001			
9/20/2018	<0.001						
3/14/2019					0.00077 (J)	<0.001 (D)	<0.001 (D)
3/22/2019	<0.001	<0.001		<0.001			
3/25/2019			0.00047 (J)				
9/11/2019					0.00047 (J)	0.00016 (JD)	<0.001 (D)

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.001	0.00016 (J)	<0.001			
9/18/2019	4.8E-05 (X)						
3/10/2020					0.00066 (J)	0.00014 (J)	<0.001
3/13/2020		<0.001	0.00037 (J)	4.8E-05 (J)			
3/17/2020	<0.001						
9/11/2020						0.00012 (J)	<0.001
9/15/2020					0.00045 (J)		
9/21/2020		0.00023 (J)	0.00093 (J)	7.5E-05 (J)			
9/22/2020	7.1E-05 (J)						
3/11/2021					0.00053 (J)	0.00012 (J)	4.5E-05 (J)
3/18/2021		<0.001	0.00036 (J)	4E-05 (J)			
3/19/2021	7.4E-05 (J)						
8/4/2021					<0.001		
8/6/2021						<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001			
8/12/2021	<0.001						
1/31/2022					<0.001		
2/1/2022						<0.001	<0.001
2/4/2022	<0.001	<0.001	<0.001				
2/7/2022				<0.001			
8/12/2022						<0.001	<0.001
8/15/2022					<0.001		
8/18/2022		<0.001					
8/19/2022	<0.001		<0.001	<0.001			
2/14/2023					<0.001	<0.001	<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.001
10/25/2007							<0.001
11/19/2007							<0.001
1/23/2008							<0.001
3/11/2008							<0.001
5/12/2008							<0.001
12/11/2008							<0.001
4/15/2009							<0.001
10/9/2009							<0.001
5/4/2010							<0.001
10/12/2010							<0.001
4/28/2011							<0.001
10/19/2011							<0.001
5/2/2012							<0.001
10/9/2012							<0.001
4/11/2013							<0.001
10/16/2013							<0.001
4/23/2014							<0.001
10/3/2014							<0.001
3/31/2015							<0.001
10/12/2015							<0.001
3/10/2016	<0.001	<0.001	<0.001	<0.001			
3/17/2016					<0.001	<0.001	
3/28/2016							<0.001
5/17/2016	<0.001			<0.001			
5/18/2016		<0.001	<0.001		<0.001	<0.001	
5/25/2016							<0.001
7/26/2016	<0.001						
7/27/2016		9E-05 (J)	9E-05 (J)	<0.001	<0.001		
7/28/2016						0.0002 (J)	
8/1/2016							<0.001
9/20/2016	<0.001	0.0003 (J)	0.0001 (J)	0.0002 (J)			
9/21/2016					<0.001	<0.001 (*)	
9/27/2016							<0.001
11/4/2016	<0.001		<0.001	<0.001	<0.001		
11/7/2016		<0.001				<0.001	
11/11/2016							<0.001
1/20/2017	<0.001		<0.001				
1/23/2017		<0.001		<0.001			
1/24/2017					<0.001	0.0002 (J)	
1/31/2017							<0.001
3/28/2017	<0.001			<0.001 (*)			
3/29/2017		<0.001	<0.001		<0.001		
3/30/2017						<0.001	
4/3/2017							<0.001
6/7/2017	<0.001						
6/8/2017		0.0001 (J)	<0.001	<0.001	<0.001		
6/9/2017						<0.001	
6/12/2017							<0.001
9/27/2017		<0.001	<0.001				
9/29/2017	<0.001			<0.001	<0.001	<0.001	
10/3/2017							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.001	<0.001		<0.001	<0.001	<0.001	
3/16/2018			<0.001				
3/19/2018							<0.001
9/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001		
9/14/2018						<0.001	
9/17/2018							<0.001
3/15/2019		<0.001		<0.001			
3/18/2019	<0.001				<0.001		
3/19/2019			<0.001			<0.001	
3/20/2019							<0.001
9/11/2019	<0.001		8.5E-05 (J)	0.002529 (JD)	<0.001	8.2E-05 (J)	
9/12/2019		<0.001					
9/16/2019							<0.001
3/9/2020		5.8E-05 (J)	8E-05 (J)	<0.001		0.00017 (J)	
3/10/2020	<0.001						
3/11/2020					<0.001		
3/16/2020							5.1E-05 (J)
9/11/2020					<0.001		
9/14/2020	<0.001	<0.001		<0.001		7.8E-05 (J)	
9/15/2020			<0.001				
9/16/2020							<0.001
3/11/2021	<0.001	4.8E-05 (J)	<0.001	<0.001			
3/15/2021					<0.001	4.6E-05 (J)	
3/17/2021							<0.001
8/4/2021				<0.001			
8/5/2021	<0.001	<0.001	<0.001			<0.001	
8/9/2021							<0.001
8/11/2021					<0.001		
1/31/2022	<0.001			<0.001			
2/1/2022		<0.001	<0.001		<0.001	<0.001	
2/2/2022							<0.001
8/15/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2022							<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/20/2023							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.001					
8/23/2007						<0.001
10/25/2007	<0.001					
11/1/2007						<0.001
11/19/2007						<0.001
11/20/2007	<0.001					
1/15/2008						<0.001
1/23/2008	<0.001					
3/6/2008						<0.001
3/11/2008	<0.001					
5/13/2008						<0.001
5/14/2008	<0.001					
12/11/2008	<0.001					
12/12/2008						<0.001
4/16/2009						<0.001
4/23/2009	<0.001					
10/9/2009	<0.001					
10/13/2009						<0.001
4/21/2010						<0.001
5/4/2010	<0.001					
9/29/2010						<0.001
10/11/2010	<0.001					
4/13/2011						<0.001
4/26/2011	<0.001					
10/5/2011						<0.001
10/18/2011	<0.001			<0.001		
4/4/2012						0.0012
4/30/2012				<0.001		
5/2/2012	<0.001					
10/3/2012				<0.001		
10/8/2012	<0.001					<0.001
4/8/2013				<0.001		<0.001
4/10/2013	<0.001					
10/8/2013	<0.001					
10/9/2013				<0.001		<0.001
4/9/2014						<0.001
4/10/2014				<0.001		
4/14/2014	<0.001					
9/30/2014						<0.001
10/2/2014				<0.001		
10/3/2014	<0.001					
4/1/2015	<0.001					
4/2/2015						<0.001
4/3/2015				<0.001		
5/26/2015		<0.001			<0.001	
6/18/2015		<0.001 (D)			<0.001 (D)	
7/2/2015		<0.001			<0.001	
10/8/2015				<0.001	<0.001	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001 (D)
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			0.0001 (J)	<0.001	0.0002 (J)	
8/5/2016						0.0001 (J)
9/26/2016	0.0003 (J)	<0.001			0.0001 (J)	
9/27/2016			0.0001 (J)	<0.001		
9/28/2016						0.0002 (J)
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			0.0001 (J)		0.0001 (J)	0.0002 (J)
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	0.0001 (J)			
2/3/2017					0.0002 (J)	
2/6/2017				<0.001		0.0001 (J)
4/6/2017	7E-05 (J)	7E-05 (J)	0.0002 (J)	0.0001 (J)		0.0001 (J)
4/7/2017					0.0002 (J)	
6/13/2017	<0.001	8E-05 (J)	<0.001		0.0002 (J)	8E-05 (J)
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	9E-05 (J)		0.0002 (J)	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		0.00042 (J)	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					0.00032 (J)	
9/13/2019			<0.001			
9/16/2019	0.0001 (J)	<0.001		<0.001 (D)	5.4E-05 (J)	6.1E-05 (J)
3/12/2020	0.0001 (J)	7E-05 (J)	8.2E-05 (J)	5.6E-05 (J)		0.00016 (J)
3/16/2020					0.00016 (J)	
9/16/2020	0.00012 (J)	<0.001	0.00011 (J)			
9/17/2020				8E-05 (J)	6.5E-05 (J)	7.9E-05 (J)
3/17/2021	7.4E-05 (J)	<0.001	4.9E-05 (J)	<0.001		
3/18/2021					0.00011 (J)	0.0001 (J)
8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/17/2023	<0.001	<0.001				
2/20/2023			<0.001		<0.001	
2/21/2023				<0.001		<0.001

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005	
10/23/2007	<0.0005						
10/24/2007		<0.0005	<0.0005				
11/2/2007						<0.0005	
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005	
1/30/2008	<0.0005						
1/31/2008		<0.0005	<0.0005			<0.0005	
3/10/2008	<0.0005		<0.0005				
3/11/2008		<0.0005				<0.0005	
5/6/2008		0.000175					
5/13/2008	<0.0005		<0.0005				
5/14/2008						<0.0005	
12/4/2008		<0.0005	<0.0005				
12/5/2008	<0.0005					<0.0005	
4/15/2009	<0.0005					<0.0005	
4/21/2009		<0.0005	<0.0005				
10/7/2009	<0.0005	<0.0005					
10/8/2009			<0.0005			<0.0005	
4/21/2010			<0.0005				
4/26/2010		<0.0005					
4/28/2010						<0.0005	
5/3/2010	<0.0005						
9/28/2010			<0.0005				
10/4/2010		<0.0005					
10/6/2010						<0.0005	
10/12/2010	<0.0005						
4/12/2011			<0.0005				
4/13/2011		<0.0005					
4/21/2011						<0.0005	
4/27/2011	<0.0005						
10/4/2011			<0.0005				
10/5/2011		<0.0005					
10/13/2011						<0.0005	
10/17/2011	<0.0005						
4/3/2012			<0.0005				
4/11/2012		<0.0005					
5/1/2012						<0.0005	
5/2/2012	<0.0005						
10/8/2012	<0.0005						
10/9/2012		<0.0005	<0.0005			<0.0005	
4/11/2013			<0.0005			<0.0005	
4/12/2013	<0.0005						
4/15/2013		<0.0005					
10/15/2013		<0.0005					
10/16/2013	<0.0005		<0.0005			<0.0005	
4/10/2014			<0.0005				
4/11/2014	<0.0005						
4/22/2014		<0.0005					
4/23/2014						<0.0005	
9/30/2014	<0.0005	<0.0005	<0.0005				
10/4/2014						<0.0005	
3/30/2015	<0.0005	<0.0005	<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.0005	
10/12/2015						<0.0005	
10/13/2015	<0.0005	<0.0005	<0.0005				
3/14/2016					<0.0005		
3/15/2016							<0.0005
3/22/2016	<0.0005						
3/23/2016		<0.0005	<0.0005			<0.0005	
5/11/2016					<0.0005		<0.0005
5/16/2016				<0.0005 (D)			
5/19/2016	<0.0005		<0.0005				
5/20/2016		<0.0005					
5/23/2016						<0.0005	
7/19/2016					<0.0005		
7/21/2016							<0.0005
7/27/2016				<0.0005 (D)			
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005	
9/15/2016					<0.0005		<0.0005
9/22/2016			<0.0005			<0.0005	
9/23/2016	<0.0005	<0.0005					
11/2/2016					<0.0005		
11/3/2016							<0.0005
11/9/2016	<0.0005	<0.0005					
11/10/2016			<0.0005			<0.0005	
1/17/2017							<0.0005
1/18/2017					<0.0005		
1/30/2017	<0.0005						
1/31/2017		<0.0005	<0.0005			<0.0005	
2/21/2017				<0.0005			
3/24/2017							<0.0005
3/27/2017				<0.0005 (D)			
3/28/2017					<0.0005		
3/30/2017	<0.0005	<0.0005				<0.0005	
4/3/2017			<0.0005				
5/24/2017							<0.0005
6/7/2017					<0.0005		
6/8/2017				<0.0005 (D)			
6/9/2017	<0.0005		<0.0005				
6/12/2017		<0.0005				<0.0005	
7/17/2017				<0.0005 (D)			
7/27/2017				<0.0005			
8/9/2017				<0.0005			
9/26/2017					<0.0005		<0.0005
9/29/2017				<0.0005 (D)			
10/2/2017	<0.0005	<0.0005	<0.0005				
10/4/2017						<0.0005	
3/14/2018					<0.0005		<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005			
3/19/2018		<0.0005				<0.0005	
9/12/2018					<0.0005		3.8E-05 (J)
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)			
9/17/2018	<0.0005 (D)					<0.0005	
3/13/2019							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.0005			
3/15/2019					<0.0005		
3/19/2019			<0.0005				
3/20/2019	<0.0005	<0.0005				<0.0005	
9/9/2019					<0.0005		<0.0005
9/12/2019	<0.0005	<0.0005 (D)					
9/13/2019			<0.0005			<0.0005	
3/9/2020				<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005	
9/10/2020					<0.0005		
9/11/2020							<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005				
9/16/2020				<0.0005			
3/10/2021							<0.0005
3/12/2021					<0.0005		
3/16/2021	<0.0005		<0.0005	<0.0005			
3/17/2021		<0.0005					
3/29/2021						<0.0005	
8/4/2021					0.00012 (J)		9.4E-05 (J)
8/6/2021				<0.0005			
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005	
1/31/2022					<0.0005		<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005				
2/2/2022				<0.0005		<0.0005	
8/10/2022					<0.0005		
8/12/2022							<0.0005
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
2/13/2023					<0.0005		<0.0005
2/14/2023				<0.0005			
2/16/2023	0.00017 (J)	0.00013 (J)	<0.0005				
2/17/2023						0.00013 (J)	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.0005
4/23/2009							<0.0005
10/6/2009							<0.0005
4/27/2010							<0.0005
9/30/2010							<0.0005
4/14/2011							<0.0005
10/5/2011							<0.0005
4/11/2012							<0.0005
10/2/2012							<0.0005
4/9/2013							<0.0005
10/15/2013							<0.0005
4/10/2014							<0.0005
10/1/2014							<0.0005
3/30/2015							2.02E-05 (J)
10/11/2015							<0.0005
3/11/2016			<0.0005	<0.0005	<0.0005		
3/15/2016	<0.0005	<0.0005					
3/28/2016							<0.0005
5/12/2016	<0.0005						
5/13/2016		<0.0005		<0.0005	<0.0005		
5/16/2016			<0.0005				
5/23/2016							<0.0005
7/19/2016				<0.0005	<0.0005		
7/20/2016	<0.0005						
7/21/2016		<0.0005					
7/22/2016			<0.0005				
8/1/2016							<0.0005
9/15/2016	<0.0005						
9/16/2016				<0.0005	<0.0005		
9/19/2016			<0.0005				
9/21/2016		<0.0005					
9/26/2016							<0.0005
11/2/2016				<0.0005	<0.0005		
11/3/2016	<0.0005	<0.0005	<0.0005				
11/10/2016							<0.0005
1/17/2017		<0.0005	<0.0005				
1/18/2017	<0.0005			<0.0005	<0.0005		
1/30/2017							<0.0005
2/22/2017						<0.0005	
3/24/2017	<0.0005						
3/27/2017		<0.0005	<0.0005				
3/28/2017				<0.0005	<0.0005		
4/7/2017						<0.0005	<0.0005
6/6/2017	<0.0005	<0.0005		<0.0005	<0.0005		
6/7/2017			<0.0005				
6/12/2017							<0.0005
6/14/2017						0.000286 (JD)	
7/12/2017						<0.0005 (D)	
7/20/2017						<0.0005 (D)	
7/28/2017						<0.0005	
8/9/2017						<0.0005	
8/24/2017						<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.0005	<0.0005		
9/25/2017	<0.0005	<0.0005					
9/26/2017			<0.0005				
10/2/2017							<0.0005
10/3/2017						<0.0005 (D)	
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005			
3/15/2018					<0.0005		
3/16/2018							<0.0005
3/21/2018						<0.0005	
9/12/2018	<0.0005	<0.0005		<0.0005	3.9E-05 (J)		
9/14/2018			3.8E-05 (J)				
9/17/2018							<0.0005
9/18/2018						<0.0005	
3/13/2019				<0.0005	<0.0005		
3/14/2019	<0.0005	<0.0005	<0.0005				
3/19/2019							<0.0005
3/21/2019						<0.0005 (D)	
9/10/2019	<0.0005 (D)	<0.0005	<0.0005				
9/11/2019				<0.0005	<0.0005		
9/12/2019						<0.0005 (D)	
9/13/2019							<0.0005
3/6/2020	<0.0005		<0.0005				
3/9/2020		<0.0005		<0.0005	<0.0005		
3/11/2020							<0.0005
3/12/2020						<0.0005	
9/10/2020	<0.0005	<0.0005	<0.0005				
9/11/2020				<0.0005			
9/14/2020					<0.0005		
9/16/2020							<0.0005
9/17/2020						<0.0005	
3/10/2021		<0.0005					
3/11/2021	<0.0005		<0.0005	<0.0005	<0.0005		
3/16/2021						<0.0005	
3/17/2021							<0.0005
8/4/2021	9E-05 (J)	9.4E-05 (J)	8E-05 (J)				
8/5/2021					9.6E-05 (J)		
8/6/2021				<0.0005			
8/9/2021							<0.0005
8/10/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							<0.0005
2/3/2022						<0.0005	
8/10/2022			<0.0005		<0.0005		
8/11/2022	<0.0005	<0.0005		<0.0005			
8/16/2022							<0.0005
8/17/2022						<0.0005	
2/13/2023	0.00017 (J)	0.00013 (J)	0.00014 (J)		<0.0005		
2/14/2023				<0.0005			
2/16/2023							<0.0005
2/17/2023						<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/18/2007				<0.0005	<0.0005		
11/19/2007						<0.0005	<0.0005
11/20/2007		<0.0005	<0.0005				
1/16/2008						<0.0005	
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2008							<0.0005
3/5/2008				<0.0005		<0.0005	<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005		
5/7/2008				0.000181	<0.0005		
5/8/2008			<0.0005				
5/12/2008		<0.0005					<0.0005
5/13/2008						<0.0005	
12/12/2008	<0.0005						
12/13/2008		<0.0005				<0.0005	<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005		
4/16/2009						<0.0005	
4/23/2009	<0.0005						
4/28/2009							<0.0005
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009	<0.0005						
10/20/2009		<0.0005					
10/21/2009			<0.0005			<0.0005	<0.0005
10/22/2009				<0.0005	<0.0005		
4/21/2010			<0.0005	<0.0005	<0.0005		
4/26/2010		<0.0005					
4/27/2010						<0.0005	
4/28/2010							<0.0005
5/3/2010	<0.0005						
9/28/2010			<0.0005	<0.0005			
9/29/2010		<0.0005			<0.0005		
10/5/2010						<0.0005	<0.0005
10/11/2010	<0.0005						
4/12/2011			<0.0005	<0.0005			
4/13/2011		<0.0005			<0.0005		
4/19/2011						<0.0005	<0.0005
4/27/2011	<0.0005						
10/4/2011			<0.0005	<0.0005	<0.0005		
10/5/2011		<0.0005					
10/12/2011						<0.0005	
10/18/2011							<0.0005
10/19/2011	<0.0005						
4/3/2012			<0.0005	<0.0005			
4/4/2012		<0.0005			<0.0005		
4/24/2012						<0.0005	
4/25/2012							<0.0005
5/1/2012	<0.0005						
10/2/2012	<0.0005					<0.0005	<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005		
10/8/2012			<0.0005				
4/2/2013						<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2013	<0.0005						
10/8/2013							<0.0005
10/9/2013				<0.0005	<0.0005	<0.0005	
10/15/2013		<0.0005	<0.0005				
10/16/2013	<0.0005						
4/1/2014						0.0002 (J)	0.0002 (J)
4/2/2014				0.0002 (J)	<0.0005		
4/9/2014		<0.0005	<0.0005				
4/22/2014	<0.0005						
10/1/2014	<0.0005						<0.0005
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/30/2015	<0.0005						
4/1/2015				<0.0005	<0.0005	<0.0005	<0.0005
4/2/2015		<0.0005	<0.0005				
10/10/2015		<0.0005					
10/11/2015	<0.0005			<0.0005	<0.0005		
10/12/2015			<0.0005				
10/14/2015						<0.0005	
10/15/2015							<0.0005
3/28/2016	<0.0005						
3/31/2016		<0.0005	<0.0005				
4/4/2016				<0.0005	<0.0005	<0.0005	<0.0005
5/25/2016	<0.0005						
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005		
5/27/2016						<0.0005	
5/31/2016							<0.0005
8/1/2016	<0.0005						
8/3/2016			<0.0005	<0.0005		<0.0005	
8/4/2016					<0.0005		<0.0005
8/5/2016		<0.0005					
9/26/2016	<0.0005						
9/28/2016		<0.0005	<0.0005	<0.0005	<0.0005		
9/29/2016							<0.0005
9/30/2016						<0.0005	
11/11/2016	<0.0005						
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	8E-05 (J)	
11/28/2016							<0.0005
1/30/2017	<0.0005						
2/7/2017		<0.0005	<0.0005				
2/8/2017				<0.0005	<0.0005		
2/9/2017							<0.0005
2/13/2017						<0.0005	
4/3/2017	<0.0005						
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005		
4/11/2017						<0.0005	
4/12/2017							<0.0005
6/12/2017	<0.0005						
6/14/2017		<0.0005	<0.0005			<0.0005	
6/15/2017				<0.0005	<0.0005		
6/16/2017							<0.0005
10/2/2017	<0.0005						

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/9/2017							<0.0005
3/16/2018	<0.0005						
3/20/2018		<0.0005					
3/21/2018			<0.0005	<0.0005			<0.0005
3/22/2018					<0.0005	<0.0005	
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9/19/2018							<0.0005
3/19/2019	<0.0005						
3/22/2019		<0.0005	<0.0005				
3/23/2019				<0.0005	<0.0005	<0.0005	<0.0005
9/12/2019	<0.0005						
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 (D)	
9/18/2019							<0.0005
3/11/2020	<0.0005						
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/13/2020							<0.0005
9/15/2020	<0.0005						
9/17/2020		<0.0005	<0.0005				
9/21/2020				<0.0005	<0.0005	<0.0005	
9/22/2020							<0.0005
3/17/2021	<0.0005						
3/18/2021		<0.0005	<0.0005				<0.0005
3/19/2021				<0.0005	<0.0005	<0.0005	
8/9/2021	<0.0005						
8/10/2021		<0.0005					
8/11/2021			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005					<0.0005	
2/4/2022		<0.0005	<0.0005	<0.0005	<0.0005		
2/17/2022							<0.0005
8/17/2022	<0.0005	<0.0005					
8/18/2022			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/16/2023	<0.0005						
2/20/2023		0.00028 (J)	0.0003 (J)	0.00019 (J)	0.00016 (J)		
2/21/2023						<0.0005	
2/22/2023							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.0005						
8/23/2007			<0.0005				
8/24/2007		<0.0005		<0.0005			
11/1/2007	<0.0005						
11/2/2007		<0.0005	<0.0005	<0.0005			
11/17/2007		<0.0005	<0.0005				
11/18/2007				<0.0005			
11/19/2007	<0.0005						
1/15/2008		<0.0005	<0.0005	<0.0005			
1/31/2008	<0.0005						
3/5/2008	<0.0005	<0.0005					
3/6/2008			<0.0005				
3/10/2008				<0.0005			
5/7/2008	<0.0005	<0.0005	<0.0005				
5/13/2008				<0.0005			
12/2/2008		<0.0005	<0.0005	<0.0005			
12/12/2008	<0.0005						
4/16/2009		<0.0005					
4/28/2009			<0.0005	<0.0005			
4/29/2009	<0.0005						
10/19/2009			<0.0005				
10/20/2009		<0.0005		<0.0005			
10/21/2009	<0.0005						
4/20/2010		<0.0005					
4/27/2010			<0.0005	<0.0005			
4/28/2010	<0.0005						
9/29/2010		<0.0005					
10/4/2010			<0.0005				
10/5/2010				<0.0005			
10/6/2010	<0.0005						
4/12/2011		<0.0005					
4/18/2011			<0.0005				
4/19/2011				<0.0005			
4/20/2011	<0.0005						
10/4/2011		<0.0005					
10/12/2011	<0.0005		<0.0005	<0.0005			
4/4/2012		<0.0005					
4/23/2012			<0.0005				
4/25/2012	<0.0005			<0.0005			
10/2/2012	<0.0005						
10/10/2012		<0.0005	<0.0005	<0.0005			
4/2/2013	<0.0005						
4/15/2013		<0.0005	<0.0005				
4/16/2013				<0.0005			
10/8/2013	<0.0005						
10/22/2013		<0.0005	<0.0005	<0.0005			
4/1/2014	0.0002 (J)						
4/21/2014		<0.0005	<0.0005	<0.0005			
9/30/2014		<0.0005	<0.0005	<0.0005			
10/1/2014	<0.0005						
3/31/2015	<0.0005						
4/3/2015		<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.0005			
10/7/2015		<0.0005	<0.0005				
10/14/2015	<0.0005						
3/16/2016					<0.0005	<0.0005	<0.0005
4/4/2016	<0.0005						
4/5/2016		<0.0005	<0.0005	<0.0005			
5/16/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
5/31/2016			<0.0005	<0.0005			
6/1/2016	<0.0005	<0.0005					
7/25/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
8/4/2016			<0.0005				
8/9/2016		<0.0005					
9/19/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
9/29/2016			<0.0005				
11/3/2016					<0.0005		<0.0005 (D)
11/4/2016						<0.0005 (D)	
11/23/2016			5E-05 (J)	6E-05 (J)			
11/28/2016		<0.0005					
1/19/2017					<0.0005		
1/20/2017							<0.0005 (D)
1/23/2017						<0.0005 (D)	
2/9/2017		<0.0005					
2/10/2017			<0.0005	<0.0005			
2/22/2017	<0.0005						
3/28/2017					<0.0005		
3/29/2017						0.000285 (J*D)	0.000285 (J*D)
4/11/2017	<0.0005	<0.0005		<0.0005			
4/12/2017			<0.0005				
6/5/2017					<0.0005		
6/7/2017						<0.0005	<0.0005
6/14/2017		<0.0005					
6/15/2017			<0.0005	<0.0005			
6/16/2017	<0.0005						
7/12/2017	<0.0005	<0.0005		<0.0005			
7/26/2017				<0.0005			
7/28/2017	<0.0005						
8/10/2017	<0.0005						
9/26/2017					<0.0005		
9/27/2017						<0.0005	<0.0005
10/5/2017		<0.0005					
10/6/2017	<0.0005		<0.0005	<0.0005			
3/15/2018					<0.0005	<0.0005	<0.0005
3/22/2018		<0.0005					
3/23/2018	<0.0005		<0.0005	<0.0005			
9/12/2018					<0.0005		
9/13/2018						<0.0005	<0.0005
9/19/2018		<0.0005	<0.0005	<0.0005			
9/20/2018	<0.0005						
3/14/2019					<0.0005	<0.0005 (D)	<0.0005 (D)
3/22/2019	<0.0005	<0.0005		<0.0005			
3/25/2019			<0.0005				
9/11/2019					<0.0005	<0.0005 (D)	<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.0005	<0.0005	<0.0005			
9/18/2019	<0.0005						
3/10/2020					<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005	<0.0005	<0.0005			
3/17/2020	<0.0005						
9/11/2020						<0.0005	<0.0005
9/15/2020					<0.0005		
9/21/2020		<0.0005	<0.0005	<0.0005			
9/22/2020	<0.0005						
3/11/2021					<0.0005	<0.0005	<0.0005
3/18/2021		<0.0005	<0.0005	<0.0005			
3/19/2021	<0.0005						
8/4/2021					8.7E-05 (J)		
8/6/2021						<0.0005	<0.0005
8/11/2021		<0.0005	<0.0005	<0.0005			
8/12/2021	<0.0005						
1/31/2022					<0.0005		
2/1/2022						<0.0005	<0.0005
2/4/2022	<0.0005	<0.0005	<0.0005				
2/7/2022				<0.0005			
8/12/2022						<0.0005	<0.0005
8/15/2022					<0.0005		
8/18/2022		<0.0005					
8/19/2022	<0.0005		<0.0005	<0.0005			
2/14/2023					<0.0005	<0.0005	<0.0005
2/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.0005
10/25/2007							<0.0005
11/19/2007							<0.0005
1/23/2008							<0.0005
3/11/2008							<0.0005
5/12/2008							<0.0005
12/11/2008							<0.0005
4/15/2009							<0.0005
10/9/2009							<0.0005
5/4/2010							<0.0005
10/12/2010							<0.0005
4/28/2011							<0.0005
10/19/2011							<0.0005
5/2/2012							<0.0005
10/9/2012							<0.0005
4/11/2013							<0.0005
10/16/2013							<0.0005
4/23/2014							<0.0005
10/3/2014							3.71E-05 (J)
3/31/2015							<0.0005
10/12/2015							<0.0005
3/10/2016	<0.0005	<0.0005	<0.0005	<0.0005			
3/17/2016					<0.0005	<0.0005	
3/28/2016							<0.0005
5/17/2016	<0.0005			<0.0005			
5/18/2016		<0.0005	<0.0005		<0.0005	<0.0005	
5/25/2016							<0.0005
7/26/2016	<0.0005						
7/27/2016		<0.0005	<0.0005	<0.0005	<0.0005		
7/28/2016						<0.0005	
8/1/2016							<0.0005
9/20/2016	<0.0005	<0.0005	<0.0005	<0.0005			
9/21/2016					<0.0005	<0.0005	
9/27/2016							<0.0005
11/4/2016	<0.0005		<0.0005	<0.0005	<0.0005		
11/7/2016		<0.0005				<0.0005	
11/11/2016							<0.0005
1/20/2017	<0.0005		<0.0005				
1/23/2017		<0.0005		<0.0005			
1/24/2017					5E-05 (J)	5E-05 (J)	
1/31/2017							<0.0005
3/28/2017	<0.0005			<0.0005			
3/29/2017		<0.0005 (*)	<0.0005 (*)		<0.0005 (*)		
3/30/2017						<0.0005 (*)	
4/3/2017							<0.0005
6/7/2017	<0.0005						
6/8/2017		<0.0005	<0.0005	<0.0005	<0.0005		
6/9/2017						<0.0005	
6/12/2017							<0.0005
9/27/2017		<0.0005	<0.0005				
9/29/2017	<0.0005			<0.0005	4E-05 (J)	<0.0005	
10/3/2017							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/16/2018			<0.0005				
3/19/2018							<0.0005
9/13/2018	<0.0005	<0.0005	<0.0005	6.2E-05 (J)	<0.0005		
9/14/2018						<0.0005	
9/17/2018							<0.0005
3/15/2019		<0.0005		<0.0005			
3/18/2019	<0.0005				<0.0005		
3/19/2019			5E-05 (J)			4.5E-05 (J)	
3/20/2019							<0.0005
9/11/2019	<0.0005		<0.0005	<0.0005 (D)	<0.0005	<0.0005	
9/12/2019		<0.0005					
9/16/2019							<0.0005
3/9/2020		<0.0005	<0.0005	<0.0005		<0.0005	
3/10/2020	<0.0005						
3/11/2020					<0.0005		
3/16/2020							<0.0005
9/11/2020					<0.0005		
9/14/2020	<0.0005	<0.0005		0.00015 (J)		<0.0005	
9/15/2020			<0.0005				
9/16/2020							<0.0005
3/11/2021	<0.0005	<0.0005	<0.0005	0.0002 (J)			
3/15/2021					<0.0005	<0.0005	
3/17/2021							<0.0005
8/4/2021				0.0005			
8/5/2021	0.00015 (J)	0.00021	0.00023			0.0002	
8/9/2021							<0.0005
8/11/2021					<0.0005		
10/28/2021		<0.0005	<0.0005				
1/31/2022	<0.0005			0.00039			
2/1/2022		<0.0005	<0.0005		<0.0005	<0.0005	
2/2/2022							<0.0005
4/28/2022				0.0004			
8/15/2022	<0.0005	<0.0005	<0.0005	0.00038	<0.0005	<0.0005	
8/16/2022							<0.0005
2/14/2023	<0.0005	<0.0005	0.00013 (J)	0.00064	<0.0005	<0.0005	
2/20/2023							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				3.83E-05 (J)		
10/3/2014	3.29E-05 (J)					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
8/13/2015		<0.0005 (D)				
8/14/2015					<0.0005 (D)	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	<0.0005	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	<0.0005					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				8E-05 (J)		
2/1/2017	<0.0005	<0.0005	<0.0005			
2/3/2017					<0.0005	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005
3/17/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2021					<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/17/2023	<0.0005	<0.0005				
2/20/2023			<0.0005		<0.0005	
2/21/2023				<0.0005		<0.0005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			0.028	
10/23/2007	0.0096						
10/24/2007		0.026 (O)	0.0025				
11/2/2007						0.041	
11/18/2007	0.023	0.043 (O)	0.0093			0.14 (O)	
1/30/2008	0.11 (O)						
1/31/2008		0.0075	0.054 (O)			0.053	
3/10/2008	0.024		0.0054				
3/11/2008		0.019				0.076 (o)	
5/6/2008		0.004					
5/13/2008	0.006		0.0043				
5/14/2008						0.074 (o)	
12/4/2008		0.02	<0.005				
12/5/2008	<0.005					0.032	
4/15/2009	<0.005					0.028	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0096	<0.005					
10/8/2009			<0.005			0.032	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						0.029	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		0.0025					
10/6/2010						0.031	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						0.019	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						0.028	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						0.0253	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			0.023	
4/11/2013			<0.005			0.021	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		0.0028					
10/16/2013	<0.005		<0.005			0.018	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						0.015	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.017	
3/30/2015	0.004	0.0018 (J)	<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.045	
10/12/2015						0.019	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					0.00544 (J)		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			0.019	
5/11/2016					0.0149		<0.005
5/16/2016				0.0136 (D)			
7/19/2016					0.0044 (J)		
7/21/2016							<0.005
7/27/2016				0.0224 (D)			
7/29/2016	<0.005	<0.005	<0.005			0.0161	
9/15/2016					0.0047 (J)		<0.005
11/2/2016					0.0025 (J)		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					0.004 (J)		
2/21/2017				0.0007 (J)			
3/24/2017							<0.005 (*)
3/27/2017				<0.005 (D)			
3/28/2017					0.0034 (J)		
3/30/2017	0.0004 (J)	0.0006 (J)				0.018	
4/3/2017			<0.005				
9/26/2017					0.0016 (J)		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						0.0158	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				0.015	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					0.014	
3/13/2019							<0.005
3/14/2019				0.0017 (J)			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				0.01	
9/9/2019					0.0014 (J)		<0.005
9/12/2019	0.00038 (J)	0.00518 (JD)					
9/13/2019			<0.005			0.012	
3/9/2020				0.00083 (J)	0.04 (o)		<0.005
3/11/2020	0.00068 (J)	0.0014 (J)	0.002 (J)			0.012	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	0.0013 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					0.0015 (J)		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.00081 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					0.00095 (J)		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.0035
4/23/2009							0.0032
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							0.0028
10/5/2011							0.0028
4/11/2012							<0.005
10/2/2012							0.0026
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0025 (J)
10/1/2014							<0.005
3/30/2015							0.0015 (J)
10/11/2015							0.0013 (J)
3/11/2016			<0.01	0.00288 (J)	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			0.00233 (J)				
7/19/2016				0.0006 (J)	<0.005		
7/20/2016	0.0006 (J)						
7/21/2016		0.0009 (J)					
7/22/2016			0.0014 (J)				
8/1/2016							<0.005
9/15/2016	0.0009 (J)						
9/16/2016				0.0008 (J)	<0.005		
9/19/2016			0.0014 (J)				
9/21/2016		<0.005					
11/2/2016				0.0007 (J)	<0.005		
11/3/2016	0.0011 (J)	<0.005	0.0013 (J)				
1/17/2017		<0.005	0.0011 (J)				
1/18/2017	0.0007 (J)			0.0006 (J)	0.0006 (J)		
3/24/2017	<0.005 (*)						
3/27/2017		<0.005 (*)	<0.01 (*)				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						<0.005	0.0011 (J)
9/22/2017				0.0007 (J)	<0.005		
9/25/2017	<0.005	0.0012 (J)					
9/26/2017			0.0011 (J)				
10/2/2017							0.0013 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	0.0014 (J)	0.0012 (J)	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	0.0011 (J)		<0.005	<0.005		
9/14/2018			0.0012 (J)				
9/17/2018							0.00096 (J)
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	0.001 (J)	0.0015 (J)				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	0.0004 (JD)	0.00084 (J)	0.0012 (J)				
9/11/2019				0.00082 (J)	<0.005		
9/12/2019						0.00032 (JD)	
9/13/2019							0.00063 (J)
3/6/2020	0.0089 (J)		0.0015 (J)				
3/9/2020		0.00036 (J)		0.00082 (J)	<0.005		
3/11/2020							0.00084 (J)
3/12/2020						0.00034 (J)	
9/10/2020	<0.005	<0.005	0.0011 (J)				
9/11/2020				0.00089 (J)			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		0.0011 (J)	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	0.0011 (J)				
8/5/2021					<0.005		
8/6/2021				0.00084 (J)			
8/9/2021							0.00077 (J)
8/10/2021						<0.005	
1/31/2022	<0.005	0.00091 (J)	0.0011 (J)	0.00077 (J)	<0.005		
2/1/2022							0.0008 (J)
2/3/2022						<0.005	
8/10/2022			0.0016 (J)		<0.005		
8/11/2022	0.00083 (J)	<0.005		<0.005			
8/16/2022							0.00071 (J)
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	0.0013 (J)		<0.005		
2/14/2023				<0.005			
2/16/2023							0.00082 (J)
2/17/2023						<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.01	0.0076
11/1/2007		0.0042	0.006	<0.005	<0.005	<0.01	0.0043
11/18/2007				<0.005	<0.005		
11/19/2007						0.0047	0.0061
11/20/2007		0.026	<0.005				
1/16/2008						0.029	
1/30/2008		0.032	0.029 (C)	<0.005	<0.005		
1/31/2008							0.015
3/5/2008				<0.005		0.023	<0.005
3/6/2008		0.019	<0.005		0.0046		
5/7/2008				0.0087	<0.005		
5/8/2008			0.0057				
5/12/2008		0.0072					0.0035
5/13/2008						0.0032	
12/12/2008	0.0096						
12/13/2008		0.024				<0.01	0.0079
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.01	
4/23/2009	0.015						
4/28/2009							<0.005
4/29/2009		0.0026	<0.005	<0.005	<0.005		
10/6/2009	0.008						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.01	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.01	
4/28/2010							<0.005
5/3/2010	0.0053						
9/28/2010			<0.005	<0.005			
9/29/2010		0.0042			<0.005		
10/5/2010						<0.01	<0.005
10/11/2010	0.0061						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						0.0025	<0.005
4/27/2011	0.0087						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.01	
10/18/2011							0.0031
10/19/2011	0.0039						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.01	
4/25/2012							<0.005
5/1/2012	0.0054						
10/2/2012	0.0044					<0.01	<0.005
10/3/2012		0.004		0.0042	<0.005		
10/8/2012			<0.005				
4/2/2013						0.003	<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0028	<0.005	<0.005	<0.005		
4/10/2013	0.0053						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.01	
10/15/2013		0.0036	<0.005				
10/16/2013	0.0047						
4/1/2014						0.0025 (J)	<0.005
4/2/2014				0.0025 (J)	<0.005		
4/9/2014		0.0025 (J)	<0.005				
4/22/2014	0.0045						
10/1/2014	0.0018 (J)						<0.005
10/2/2014		<0.005	<0.005	0.0016 (J)	<0.005	<0.01	
3/30/2015	0.0037						
4/1/2015				<0.005	0.0041	0.0014 (J)	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	0.0018 (J)			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						0.0021 (J)	
10/15/2015							<0.005
3/28/2016	0.0028 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	0.00264 (J)	<0.005
8/1/2016	<0.01						
8/3/2016			<0.005	<0.005		<0.01	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0022 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0027 (J)	
4/12/2017							<0.005
10/2/2017	0.0021 (J)						
10/4/2017		<0.005	0.0006 (J)	<0.005	<0.005	0.0022 (J)	
10/9/2017							<0.005
3/16/2018	0.0014 (J)						
3/20/2018		0.0016 (J)					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	0.0025 (J)	
9/18/2018	0.0012 (J)	<0.005	<0.005	<0.005	<0.005	0.0024 (J)	
9/19/2018							<0.005
3/19/2019	0.0016 (J)						
3/22/2019		0.0022 (J)	<0.005				
3/23/2019				<0.005	<0.005	0.0026 (J)	<0.005
9/12/2019	0.0015 (J)						
9/17/2019		<0.005	<0.005	<0.005	<0.005	0.0033 (JD)	
9/18/2019							0.00046 (J)
3/11/2020	0.001 (J)						
3/12/2020		0.0015 (J)	0.00043 (J)	<0.005	<0.005	0.0022 (J)	
3/13/2020							<0.005
9/15/2020	0.0012 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	0.0019 (J)	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0012 (J)						
3/18/2021		0.00094 (J)	0.0011 (J)				<0.005
3/19/2021				<0.005	<0.005	0.0022 (J)	
8/9/2021	0.00097 (J)						
8/10/2021		0.00081 (J)					
8/11/2021			<0.005	<0.005	<0.005	0.0019 (J)	<0.005
2/2/2022	0.00089 (J)					0.0025 (J)	
2/4/2022		0.0014 (J)	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0011 (J)	<0.005					
8/18/2022			<0.005	<0.005	<0.005	0.0023 (J)	<0.005
2/16/2023	0.00081 (J)						
2/20/2023		0.0019 (J)	<0.005	<0.005	<0.005		
2/21/2023						0.0022 (J)	
2/22/2023							<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			0.0089				
8/24/2007		<0.005		<0.005			
11/1/2007	0.0033						
11/2/2007		0.0029	0.0036	<0.005			
11/17/2007		0.0086	0.014 (O)				
11/18/2007				0.0088 (J)			
11/19/2007	0.0029						
1/15/2008		0.011	0.0096	0.019			
1/31/2008	0.0039						
3/5/2008	<0.005	0.0072					
3/6/2008			0.0038				
3/10/2008				0.017			
5/7/2008	<0.005	0.0045	0.0056				
5/13/2008				0.0058			
12/2/2008		0.011	0.003	0.0043			
12/12/2008	0.022 (O)						
4/16/2009		0.0061					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0034						
10/19/2009			<0.005				
10/20/2009		0.01		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			0.004	<0.005			
4/28/2010	0.0026						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.01	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	0.00316 (JD)	<0.005 (D)
7/25/2016					0.0006 (J)	0.0013 (JD)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0021 (J)					
9/19/2016					0.0008 (J)	0.0013 (JD)	<0.005 (D)
11/3/2016					0.0007 (J)		<0.005 (D)
11/4/2016						0.0015 (JD)	
1/19/2017					0.0009 (J)		
1/20/2017							<0.005 (D)
1/23/2017						0.0015 (JD)	
3/28/2017					<0.005 (*)		
3/29/2017						0.0012 (JD)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
9/26/2017					0.0007 (J)		
9/27/2017						0.0014 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		0.001 (J)	<0.005			
3/15/2018					<0.005	0.0011 (J)	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						0.001 (J)	<0.005
9/19/2018		0.00096 (J)	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	0.001 (JD)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			0.0011 (J)				
9/11/2019					0.00058 (J)	0.0012 (JD)	<0.005 (D)
9/17/2019		0.0007 (X)	0.00057 (J)	<0.005			
9/18/2019	<0.005						
3/10/2020					0.00086 (J)	0.0012 (J)	<0.005
3/13/2020		0.00078 (J)	0.00072 (J)	<0.005			
3/17/2020	0.00082 (J)						
9/11/2020						0.00099 (J)	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	0.0015 (J)	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	0.00092 (J)	<0.005
3/18/2021		<0.005	0.00079 (J)	<0.005			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						0.00098 (J)	0.00095 (J)
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						0.0011 (J)	<0.005
2/4/2022	<0.005	<0.005	0.00093 (J)				
2/7/2022				<0.005			
8/12/2022						0.00086 (J)	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.00073 (J)	0.00092 (J)	0.004 (J)
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0069
10/25/2007							0.038
11/19/2007							0.025
1/23/2008							0.047
3/11/2008							0.042
5/12/2008							0.031
12/11/2008							0.027
4/15/2009							0.025
10/9/2009							0.051
5/4/2010							0.025
10/12/2010							0.024
4/28/2011							0.01
10/19/2011							0.03
5/2/2012							0.0429
10/9/2012							0.033
4/11/2013							0.02
10/16/2013							0.028
4/23/2014							0.024
10/3/2014							0.032
3/31/2015							0.012
10/12/2015							0.012
3/10/2016	<0.005	<0.005	<0.005	0.00432 (J)			
3/17/2016					<0.005	0.00421 (J)	
3/28/2016							0.0172
5/17/2016	<0.005			0.00489 (J)			
5/18/2016		<0.005	<0.005		<0.005	<0.01	
7/26/2016	<0.005						
7/27/2016		<0.005	0.0007 (J)	0.0036 (J)	<0.005		
7/28/2016						0.0024 (J)	
8/1/2016							0.0113
9/20/2016	0.0013 (J)	<0.005	0.0007 (J)	0.0035 (J)			
9/21/2016					<0.005	0.0044 (J)	
11/4/2016	<0.005		0.0006 (J)	0.0035 (J)	<0.005		
11/7/2016		<0.005				0.0035 (J)	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.01			
1/24/2017					<0.005	0.005 (J)	
3/28/2017	<0.005			0.0033 (J)			
3/29/2017		0.0004 (J)	0.0003 (J)		<0.005		
3/30/2017						0.0046 (J)	
4/3/2017							0.0114
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			0.0036 (J)	<0.005	0.004 (J)	
10/3/2017							0.0098 (J)
3/15/2018	<0.005	<0.005		0.0033 (J)	<0.005	0.0028 (J)	
3/16/2018			<0.005				
3/19/2018							0.0092 (J)
9/13/2018	<0.005	<0.005	<0.005	0.0038 (J)	<0.005		
9/14/2018						0.0024 (J)	
9/17/2018							0.0085 (J)
3/15/2019		<0.005		0.0033 (J)			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			0.0042 (J)			0.0047 (J)	
3/20/2019							0.008 (J)
9/11/2019	<0.005		0.0014 (J)	0.00405 (JD)	<0.005	0.0012 (J)	
9/12/2019		<0.005					
9/16/2019							0.008 (J)
3/9/2020		<0.005	<0.005	0.0039 (J)		0.003 (J)	
3/10/2020	<0.005						
3/11/2020					0.0004 (J)		
3/16/2020							0.015
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		0.0046 (J)		0.0014 (J)	
9/15/2020			<0.005				
9/16/2020							0.0075 (J)
3/11/2021	<0.005	<0.005	<0.005	0.0047 (J)			
3/15/2021					<0.005	0.0013 (J)	
3/17/2021							0.0077
8/4/2021				0.0045 (J)			
8/5/2021	<0.005	<0.005	<0.005			0.0023 (J)	
8/9/2021							0.0089
8/11/2021					<0.005		
1/31/2022	<0.005			0.0052			
2/1/2022		<0.005	<0.005		<0.005	0.0014 (J)	
2/2/2022							0.0088
8/15/2022	<0.005	<0.005	<0.005	0.0056	<0.005	0.0022 (J)	
8/16/2022							0.0087
2/14/2023	<0.005	<0.005	<0.005	0.0058	<0.005	0.0018 (J)	
2/20/2023							0.0087

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						0.0046
10/25/2007	0.0028					
11/1/2007						0.0057
11/19/2007						0.014 (J)
11/20/2007	0.012					
1/15/2008						0.057 (O)
1/23/2008	0.046 (O)					
3/6/2008						0.046 (O)
3/11/2008	0.0091					
5/13/2008						0.0069
5/14/2008	0.022					
12/11/2008	0.005					
12/12/2008						0.0061
4/16/2009						0.0067 (J)
4/23/2009	0.0031					
10/9/2009	0.0053					
10/13/2009						0.0054
4/21/2010						<0.01
5/4/2010	<0.005					
9/29/2010						<0.01
10/11/2010	0.0042					
4/13/2011						<0.01
4/26/2011	0.0051					
10/5/2011						<0.01
10/18/2011	<0.005			<0.005		
4/4/2012						<0.01
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.01
4/8/2013				<0.005		<0.01
4/10/2013	<0.005					
10/8/2013	0.0025					
10/9/2013				<0.005		0.0029
4/9/2014						0.0025 (J)
4/10/2014				<0.005		
4/14/2014	0.0025 (J)					
9/30/2014						<0.01
10/2/2014				<0.005		
10/3/2014	0.0021 (J)					
4/1/2015	0.0026					
4/2/2015						0.0016 (J)
4/3/2015				<0.005		
5/26/2015		<0.005			0.002 (J)	
6/18/2015		<0.005 (D)			0.0025 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.003	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						0.00295 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00202 (J)
8/1/2016	<0.005	<0.005				
8/2/2016			0.0011 (J)	<0.005	<0.005	
8/5/2016						<0.01
4/6/2017	0.0005 (J)	<0.005	0.0011 (J)	0.0003 (J)		0.001 (J)
4/7/2017					0.0007 (J)	
10/3/2017	<0.005	<0.005	0.0012 (J)		0.0006 (J)	0.0007 (J)
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	0.00097 (J)
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.01 (D)
3/21/2019	<0.005	<0.005	0.00099 (J)			0.001 (J)
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00061 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	0.00062 (J)
3/12/2020	<0.005	<0.005	0.00078 (J)	<0.005		0.0011 (J)
3/16/2020					0.0006 (J)	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.01
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	0.001 (J)
8/10/2021	<0.005	<0.005	0.0009 (J)	<0.005	<0.005	0.001 (J)
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.001 (J)

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					6.91		
3/15/2016							7.58
3/22/2016	7.65						
3/23/2016		6.7	7.45			5.96	
5/11/2016					6.51		7.24
5/16/2016				7.61 (D)			
5/19/2016	7.6		7.5				
5/20/2016		6.36					
5/23/2016						5.73	
7/19/2016					6.12		
7/21/2016							7.53
7/27/2016				7.51 (D)			
7/29/2016	7.58	6.75	7.59			5.51	
9/15/2016					5.96		7
9/19/2016							7.19
9/22/2016			7.44			5.45	
9/23/2016	7.57	6.62					
11/2/2016					5.78		
11/3/2016							7.13
11/9/2016	7.45	6.42					
11/10/2016			7.55			5.51	
1/17/2017							7.51
1/18/2017					6.13		
1/30/2017	7.64						
1/31/2017		5.66	7.56			5.42	
2/21/2017				7.76 (D)			
3/24/2017							7.55
3/27/2017				7.7 (D)			
3/28/2017					6.59		
3/30/2017	7.51	6.33				5.43	
4/3/2017			7.46				
5/24/2017							7.6
6/7/2017					6.72		
6/8/2017				7.69 (D)			
6/9/2017	7.6		7.24				
6/12/2017		6.6				5.47	
7/17/2017				7.57 (D)			
7/26/2017				7.63			
7/27/2017				7.63			
8/8/2017				7.73			
8/9/2017				7.73			
9/26/2017					7.05		7.66
9/29/2017				7.7 (D)			
10/2/2017	7.55	5.61	7.35				
10/4/2017						5.23	
12/28/2017					6.79 (Y)		7.34 (Y)
3/14/2018					7.42		7.56
3/16/2018	7.58		7.31	7.49			
3/19/2018		6.55				5.4	
9/12/2018					6.86		7.12
9/14/2018		5.81	7.55	7.32			
9/17/2018	7.53 (D)					5.22	

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			7.37	6.43	7.89		
3/15/2016	6.74	7.15					
3/28/2016							6.22
5/12/2016	6.41						
5/13/2016		7.29		6.8	7.86		
5/16/2016			7.55				
5/23/2016							5.86
7/19/2016				6.42	7.83		
7/20/2016	6.59						
7/21/2016		7.43					
7/22/2016			7.51				
8/1/2016							6.39
9/16/2016				6.19	7.75		
9/19/2016			7.52				
9/21/2016		7.05					
9/26/2016							5.74
11/2/2016				6.36	7.77		
11/3/2016	6.45	7.4	7.56				
11/10/2016							5.78
1/17/2017		7.06	7.59				
1/18/2017	6.34			6.16	7.65		
1/30/2017							5.88
2/22/2017						7.38 (D)	
3/24/2017	6.42						
3/27/2017		7.13	7.63				
3/28/2017				5.8	7.79		
4/7/2017						7.35 (D)	5.94
6/6/2017	6.82	7.18		5.97	7.89		
6/7/2017			7.55				
6/12/2017							5.81
6/14/2017						7.3 (D)	
7/11/2017						7.39	
7/12/2017						7.39 (D)	
7/19/2017						7.44	
7/20/2017						7.44 (D)	
7/27/2017						7.5	
7/28/2017						7.5	
8/8/2017						7.52	
8/9/2017						7.52	
8/23/2017						7.5	
8/24/2017						7.5	
9/22/2017				5.77	7.8		
9/25/2017	6.63	6.88					
9/26/2017			7.59				
10/2/2017							5.93
10/3/2017						7.51 (D)	
12/28/2017					7.78 (Y)	7.32 (Y)	
3/14/2018	7.08	7.04	7.6	5.85			
3/15/2018					7.66		
3/16/2018							5.64
3/21/2018						7.3	
9/12/2018	6.54	7.02		5.65	7.75		

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	6.45						
3/31/2016		7.21	7.54				
4/4/2016				7.16	8.01	6.53	7.44
5/25/2016	6.96						
5/26/2016		7.3	7.43	7.23	7.91		
5/27/2016						6.45	
5/31/2016							7.37
8/1/2016	5.64						
8/3/2016			7.41	6.96		6.41	
8/4/2016					7.85		7.32
8/5/2016		7.54					
9/26/2016	6.26						
9/28/2016		7.48	7.26	7.6	8.26		
9/29/2016							7.38
9/30/2016						6.46	
11/11/2016	5.62						
11/22/2016		7.54	7.38	6.71	7.79	6.39	
11/28/2016							7.43
1/30/2017	5.49						
2/7/2017		7.17	7.46				
2/8/2017				6.84	7.77		
2/9/2017							7.36
2/13/2017						6.4	
4/3/2017	6.32						
4/10/2017		6.72	7.51	7.13	7.95		
4/11/2017						6.37	
4/12/2017							7.46
6/12/2017	6.48						
6/14/2017		6.83	7.34			5.85	
6/15/2017				7.1	7.79		
6/16/2017							7.36
10/2/2017	6.41						
10/4/2017		7.38	7.54	6.25	7.74	6.27	
10/9/2017							7.38
3/16/2018	5.46						
3/20/2018		6.23					
3/21/2018			7.33	7.07			7.33
3/22/2018					7.72	6.45	
9/18/2018	5.35	7.14	7.66	6.9	7.88	6.42	
9/19/2018							7.31
3/19/2019	6.01						
3/22/2019		6.23	7.34				
3/23/2019				6.27	7.56	6.34	7.27
9/12/2019	5.89						
9/17/2019		7.16	7.51	6.55	7.58	6.19 (D)	
9/18/2019							7.28
3/11/2020	5.4						
3/12/2020		6.43	7.49	6.3	7.6	6.17	
3/13/2020							7.25
9/15/2020	5.26						
9/17/2020		7.28	7.7				
9/21/2020				7.02	7.84	6.28	

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							7.34
3/17/2021	6.31						
3/18/2021		6.69	7.52				7.3
3/19/2021				7.05	7.64	6.31	
5/26/2021					7.55		
8/9/2021	5.16						
8/10/2021		6.63					
8/11/2021			7.46	6.02	7.65	6.05	7.07
2/2/2022	5.17					6.35	
2/4/2022		6.53	7.69	7.2	7.58		
2/17/2022							7.24
4/28/2022						6.33	
8/17/2022	5.7	7.01					
8/18/2022			7.52	6.08	7.57	6.03	6.95
2/16/2023	4.73						
2/20/2023		5.39	7.08	5.52	7.2		
2/21/2023						6.18	
2/22/2023							6.96

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					4.49	5.1	7.22
4/4/2016	8.56 (o)						
4/5/2016		10.61 (o)	7.71	7.71			
5/16/2016					4.55	5.15	7.34
5/31/2016			7.66	9.52 (o)			
6/1/2016	9.83 (o)	10.32 (o)					
7/25/2016					4.63	5.13	7.38
8/4/2016			7.8				
8/9/2016		8.23 (o)					
9/19/2016					4.65	5	7.37
9/29/2016			7.46				
11/3/2016					4.69		7.52
11/4/2016						5.02	
11/23/2016			7.62	7.88			
11/28/2016		7.29					
1/19/2017					4.58		
1/20/2017							7.3
1/23/2017						4.9	
2/9/2017		6.91					
2/10/2017			7.51	7.72			
2/22/2017	7.45						
3/28/2017					4.45		
3/29/2017						5.08	7.29
4/11/2017	6.37	6.68		7.83			
4/12/2017			7.54				
6/5/2017					4.33		
6/7/2017						5.06	7.43
6/14/2017		6.84					
6/15/2017			7.71	7.86			
6/16/2017	7.33						
7/12/2017	7.46	6.54		7.73			
7/20/2017					4.38		
7/26/2017				7.71			
7/27/2017	7.37						
7/28/2017	7.37						
8/9/2017	7.38						
8/10/2017	7.38						
9/26/2017					4.51		
9/27/2017						4.92	7.2
10/5/2017		6.93					
10/6/2017	6.55		7.58	7.74			
12/28/2017	7.43 (Y)						
12/29/2017						5.08 (Y)	
3/15/2018					4.34	4.6	6.87
3/22/2018		6.93					
3/23/2018	7.58		7.34	7.89			
9/12/2018					4.49		
9/13/2018						5.26	7.31
9/19/2018		6.88	7.66	7.77			
9/20/2018	7.43						
3/14/2019					4.41	5.01 (D)	7.14 (D)
3/22/2019	7.49	6.27		7.55			

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/25/2019			7.64				
9/11/2019					4.36	4.93 (D)	7.2 (D)
9/17/2019		6.04	7.35	7.76			
9/18/2019	7.5						
3/10/2020					4.44	4.98	7.05
3/13/2020		6.16	7.56	7.68			
3/17/2020	7.62						
9/11/2020						4.91	7.26
9/15/2020					4.46		
9/21/2020		6.06	7.48	7.65			
9/22/2020	6.95						
12/15/2020						4.92	
3/11/2021					4.21	4.68	7.21
3/18/2021		6.04	7.58	7.87			
3/19/2021	7.42						
8/4/2021					4.38		
8/6/2021						4.65	7.05
8/11/2021		6.09	7.59	7.81			
8/12/2021	7.11						
1/31/2022					4.78		
2/1/2022						4.88	7.15
2/4/2022	7.46	6.06	7.61				
2/7/2022				7.83			
8/12/2022						4.7	7.08
8/15/2022					4.3		
8/18/2022		5.95					
8/19/2022	6.66		7.5	7.6			
2/14/2023					3.95	4.26	6.71
2/22/2023	7.15	5.97	7.32	7.49			

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	7.39	7.56	8.08	5.66			
3/17/2016					7.82	6.4	
3/28/2016							7.04
5/17/2016	7.32			5.11			
5/18/2016		7.58	7.91		7.85	6.17	
5/25/2016							6.39
7/26/2016	7.32						
7/27/2016		7.58	7.83	5.17	7.87		
7/28/2016						5.85	
8/1/2016							6.13
9/20/2016	7.3	7.68	7.69	5.12			
9/21/2016					7.8	5.61	
9/27/2016							5.98
11/4/2016	7.38		7.75	5.03	7.89		
11/7/2016		7.7				5.71	
11/11/2016							6.11
1/20/2017	7.29		7.6				
1/23/2017		7.61		5.1			
1/24/2017					7.97	5.58	
1/31/2017							6.08
3/28/2017	7.21			5.03			
3/29/2017		7.57	7.63		7.71		
3/30/2017						5.44	
4/3/2017							6.13
6/7/2017	7.47						
6/8/2017		7.48	7.64	4.77	7.86		
6/9/2017						5.11	
6/12/2017							6.83
9/27/2017		7.55	7.62				
9/29/2017	7.42			5.06	7.72	5.51	
10/3/2017							6.2
12/28/2017		7.59 (Y)		5.07 (Y)	7.71 (Y)		
1/10/2018						5.51 (Y)	
3/15/2018	7.22	7.42		5.14	7.51	5.12	
3/16/2018			7.72				
3/19/2018							6.06
9/13/2018	7.52	7.49	7.68	5.02	8.02		
9/14/2018						5.38	
9/17/2018							6.14
3/15/2019		7.45		5.28			
3/18/2019	7.39				7.89		
3/19/2019			7.93			5.6	
3/20/2019							6.29
9/11/2019	7.36		7.55	4.93	8.22	5.35	
9/12/2019		7.48					
9/16/2019							6.09
3/9/2020		7.19	7.51	5.18		5.6	
3/10/2020	7.44						
3/11/2020					8.19		
3/16/2020							6.88
9/11/2020					8		
9/14/2020	7.43	7.54		5		5.32	

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/15/2020			7.64				
9/16/2020							6
3/11/2021	7.53	7.34	7.48	4.95			
3/15/2021					8.05	5.31	
3/17/2021							5.85
5/26/2021	7.39			4.72			
8/4/2021				4.91			
8/5/2021	7.44	7.41	7.45			5.34	
8/9/2021							5.71
8/11/2021					7.98		
10/28/2021		7.34	7.36				
1/31/2022	7.48			4.86			
2/1/2022		7.55	7.54		7.63	5	
2/2/2022							5.9
4/28/2022				5			5.78
8/15/2022	7.58	7.43	7.35	4.89	7.81	5.06	
8/16/2022							5.84
2/14/2023	7.49	7.2	7.38	4.75	7.75	5.15	
2/20/2023							5.78

Time Series

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					7.53	
3/29/2016	7.54	7.24				
3/30/2016				8.2		6.07
5/24/2016	7.39	7.1		8.07		
5/25/2016					8.04	
5/26/2016						6.44
5/31/2016			7.98			
8/1/2016	7.26	7.07				
8/2/2016			7.64	8.07	7.74	
8/5/2016						6.67
9/26/2016	7.19	7.15			7.4	
9/27/2016			7.18	8.06		
9/28/2016						6.89
11/14/2016		7.15				
11/18/2016	7.04					
11/21/2016			7.49		7.4	6.89
11/22/2016				8.07		
2/1/2017	7.34	7.09	7.2			
2/3/2017					7.05	
2/6/2017				7.88		4.93
4/6/2017	7.49	7.23	7.42	7.86		4.92
4/7/2017					7.14	
6/13/2017	7.38	6.99	7.25		7.52	5.03
6/14/2017				7.66		
7/14/2017			7.5			
10/3/2017	7.39	7.09	7.5		7.38	6.01
10/4/2017				7.84		
1/9/2018				7.86 (Y)		
3/19/2018	7.32					
3/20/2018		6.9	6.76		7.27	4.88
3/21/2018				7.9		
9/17/2018	7.57	6.96				
9/18/2018			7.26	7.92	6.95	5.36 (D)
3/21/2019	7.21	6.82	7.3			5.33
3/27/2019				8.07		
5/6/2019					7.98	
9/13/2019			6.8			
9/16/2019	7.35	6.83		7.9 (D)	7.15	6.03
3/12/2020	7.4	6.88	7.53	8.02		4.82
3/16/2020					7.01	
9/16/2020	7.33	6.99	7.56			
9/17/2020				7.96	7.05	6.39
3/17/2021	7.57	7.03	7.52	8.08		
3/18/2021					6.45	4.78
8/10/2021	7.16	6.65	7.13	7.89	6.99	4.71
2/2/2022	7.4	6.8	7.54	8.13	8.92	4.81
4/28/2022					6.91	
8/17/2022	7.3	6.64	7.34	7.87	6.36	4.57
2/17/2023	7.11	6.41				
2/20/2023			7.4		6.87	
2/21/2023				7.88		4.59

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	<0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		<0.005	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		0.00216 (J)					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				<0.005 (D)			
7/29/2016	<0.005	0.001 (J)	<0.005			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			<0.005	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					<0.005		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
5/24/2017							<0.005
6/7/2017					<0.005		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		<0.005				<0.005	
7/17/2017				<0.005 (D)			
7/27/2017				<0.005			
8/9/2017				<0.005			
9/26/2017					<0.005		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0016 (J)				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			<0.005	
3/9/2020				<0.005	<0.005		<0.005
3/11/2020	<0.005	0.0021 (J)	<0.005			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		0.0021 (J)	<0.005			
3/17/2021		0.0045 (J)					
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	0.0014 (J)	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	0.00236 (J)	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						<0.005	
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						<0.005	<0.005
6/6/2017	<0.005	<0.005		<0.005	<0.005		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						<0.005 (D)	
7/12/2017						<0.005 (D)	
7/20/2017						<0.005 (D)	
7/28/2017						<0.005	
8/9/2017						<0.005	
8/24/2017						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						<0.005 (D)	
9/13/2019							<0.005
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							<0.005
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		<0.005	<0.005				
1/16/2008						<0.005	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		<0.005	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.005						
12/13/2008		<0.005				<0.005	<0.005
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.005	
4/23/2009	<0.005						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.005	
4/28/2010							<0.005
5/3/2010	<0.005						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	<0.005						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	<0.005						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	<0.005						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	<0.005		
4/9/2014		<0.005	<0.005				
4/22/2014	<0.005						
10/1/2014	<0.005						<0.005
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005	
3/30/2015	<0.005						
4/1/2015				<0.005	<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							0.0055
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	0.00286 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	<0.005		
5/27/2016						<0.005	
5/31/2016							0.00303 (J)
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		0.005 (J)
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	<0.005		
9/29/2016							0.0074 (J)
9/30/2016						<0.005	
11/11/2016	<0.005						
11/22/2016		<0.005	<0.005	<0.005	<0.005	<0.005	
11/28/2016							0.0073 (J)
1/30/2017	<0.005						
2/7/2017		<0.005	<0.005				
2/8/2017				<0.005	<0.005		
2/9/2017							0.0067 (J)
2/13/2017						<0.005	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						<0.005	
4/12/2017							0.0048 (J)
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			<0.005	
6/15/2017				<0.005	<0.005		
6/16/2017							0.007 (J)
10/2/2017	<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							0.0048 (J)
3/16/2018	<0.005						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			0.0021 (J)
3/22/2018					<0.005	<0.005	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							0.0019 (J)
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005 (D)	
9/18/2019							0.0018 (J)
3/11/2020	<0.005						
3/12/2020		<0.005	<0.005	<0.005	<0.005	<0.005	
3/13/2020							0.0019 (J)
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	
9/22/2020							<0.005
3/17/2021	<0.005						
3/18/2021		<0.005	<0.005				0.0021 (J)
3/19/2021				<0.005	<0.005	<0.005	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	<0.005	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	<0.005			
1/31/2008	<0.005						
3/5/2008	<0.005	<0.005					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		<0.005	<0.005	<0.005			
12/12/2008	<0.005						
4/16/2009		<0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	<0.005						
10/19/2009			<0.005				
10/20/2009		<0.005		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.00622 (J)	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					0.0021 (J)	<0.005 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005	<0.005					
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
11/23/2016			0.0016 (J)	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	0.0014 (J)						
3/28/2017					0.0033 (J)		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	0.0024 (J)	<0.005		<0.005			
4/12/2017			<0.005				
6/5/2017					0.0068 (J)		
6/7/2017						<0.005	<0.005
6/14/2017		<0.005					
6/15/2017			<0.005	<0.005			
6/16/2017	<0.005						
7/12/2017	0.0019 (J)	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	<0.005						
8/10/2017	0.0019 (J)						
9/26/2017					0.0037 (J)		
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					0.0031 (J)	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					0.0042 (J)	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.0021 (J)	<0.005 (D)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/18/2019	<0.005						
3/10/2020					0.0063 (J)	<0.005	<0.005
3/13/2020		0.0016 (J)	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		0.0016 (J)	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0036 (J)		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.0018 (J)		
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							0.015 (O)
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							0.0054
4/11/2013							0.0072
10/16/2013							<0.005
4/23/2014							0.0067
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	0.0009 (J)						
7/27/2016		<0.005	<0.005	0.0009 (J)	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
11/11/2016							<0.005
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	<0.005			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	<0.005						
6/8/2017		<0.005	<0.005	<0.005	<0.005		
6/9/2017						<0.005	
6/12/2017							<0.005
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							0.0019 (J)
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00388 (J)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			<0.005	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			<0.005		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	<0.005			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	<0.005		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			<0.005			
10/3/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			<0.005			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	0.0038 (J)	<0.005	<0.005		
3/18/2021					0.0089	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	<0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		<0.005	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0012 (JD)			
7/29/2016	<0.005	<0.005	<0.005			<0.005	
9/15/2016					<0.005		<0.005
11/2/2016					<0.005		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					<0.005		
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					<0.005		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
9/26/2017					<0.005		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			<0.005	
3/9/2020				<0.005	<0.005		<0.005
3/11/2020	<0.005	<0.005	<0.005			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0025 (J)
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							0.0004 (J)
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						<0.005	0.0005 (J)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							0.0006 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						<0.005 (D)	
9/13/2019							0.00045 (J)
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							0.00039 (J)
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							0.00042 (J)
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							0.00044 (J)
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		<0.005	<0.005				
1/16/2008						<0.005	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		0.0046	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.0025						
12/13/2008		<0.005				<0.005	<0.005
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.005	
4/23/2009	<0.0025						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	0.0048						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.005	
4/28/2010							<0.005
5/3/2010	<0.0025						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	<0.0025						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	0.004						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.0025						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	<0.0025						
10/2/2012	<0.0025					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	<0.0025						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	0.0034						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	<0.005		
4/9/2014		<0.005	<0.005				
4/22/2014	0.0034						
10/1/2014	0.0012 (J)						<0.005
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005	
3/30/2015	0.003						
4/1/2015				<0.005	<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	0.0018 (J)			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							<0.005
3/28/2016	0.0022 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	<0.005
8/1/2016	0.0016 (J)						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0022 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						<0.005	
4/12/2017							<0.005
10/2/2017	0.0021 (J)						
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							<0.005
3/16/2018	0.0023 (J)						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	<0.005	
9/18/2018	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							<0.005
3/19/2019	0.0017 (J)						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0028 (J)						
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005 (D)	
9/18/2019							<0.005
3/11/2020	0.0013 (J)						
3/12/2020		<0.005	<0.005	<0.005	<0.005	<0.005	
3/13/2020							<0.005
9/15/2020	0.0012 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0026 (J)						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	<0.005	<0.005	
8/9/2021	0.0015 (J)						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	0.0012 (J)					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0021 (J)	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	0.0011 (J)						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	<0.005			
1/31/2008	<0.005						
3/5/2008	<0.005	<0.005					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		<0.005	<0.005	<0.005			
12/12/2008	<0.005						
4/16/2009		<0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0026						
10/19/2009			<0.005				
10/20/2009		<0.005		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
3/28/2017					<0.005		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
9/26/2017					<0.005		
9/27/2017						<0.005	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	<0.005						
3/10/2020					<0.005	<0.005	<0.005
3/13/2020		<0.005	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							<0.005
10/16/2013							<0.005
4/23/2014							<0.005
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
7/26/2016	<0.005						
7/27/2016		<0.005	<0.005	<0.005	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
3/28/2017	<0.005			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							<0.005
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
4/6/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/7/2017					<0.005	
10/3/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			<0.005			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					4.2598		
3/15/2016							1.2104
3/22/2016	2.3685						
3/23/2016		105.552	26.8249			0.8724 (J)	
5/11/2016					6.05		1.28
5/16/2016				2.4 (D)			
5/19/2016	2.14		3.81				
5/20/2016		44.3					
5/23/2016						0.805 (J)	
7/19/2016					9.5		
7/21/2016							0.91 (J)
7/27/2016				3.6 (D)			
7/29/2016	1.9	48	1.1			0.84 (J)	
9/15/2016					6.7		
9/19/2016							1.3
9/22/2016			0.96 (J)			0.94 (J)	
9/23/2016	2	43					
11/2/2016					5.4		
11/3/2016							1.5
11/9/2016	1.6	31					
11/10/2016			0.72 (J)			1.1	
1/17/2017							<1.2 (*)
1/18/2017					5.5		
1/30/2017	1.8						
1/31/2017		4.2	1.5			0.92 (J)	
2/21/2017				26 (D)			
3/24/2017							0.86 (J)
3/27/2017				10 (D)			
3/28/2017					2.9		
3/30/2017	1.6	53				0.77 (J)	
4/3/2017			1.3				
5/24/2017							1.2
6/7/2017					2.3		
6/8/2017				6.7 (D)			
6/9/2017	1.7		1.2				
6/12/2017		95				0.68 (J)	
7/17/2017				6.4 (D)			
7/27/2017				18 (D)			
8/9/2017				18 (D)			
9/26/2017					3.2		4.2
9/29/2017				21 (D)			
10/2/2017	1.8	3.5	1.7				
10/4/2017						0.5 (J)	
12/28/2017							7.4 (Y)
3/14/2018					3.8		3.8
3/16/2018	1.5		14.8 (J)	15.5			
3/19/2018		147				0.49 (J)	
9/12/2018					3.7		1.7
9/14/2018		7.7	2.1	11.6			
9/17/2018	1.3 (D)					0.36 (J)	
3/13/2019							2.1
3/14/2019				9.3			

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/15/2019					3		
3/19/2019			32.5 (J)				
3/20/2019	1.5	3.6				0.38 (J)	
9/9/2019					2.4		1.6
9/10/2019				14			
9/12/2019	0.98 (J)	5.2					
9/13/2019			3.8			<1	
3/9/2020				5.8	0.84 (J)		1.2
3/11/2020	0.94 (J)	131	34.3			<1	
9/10/2020					0.95 (J)		
9/11/2020							1.3
9/15/2020	0.96 (J)	35.3	1				
9/16/2020				8.6			
3/10/2021							1.5
3/12/2021					2		
3/16/2021	0.99 (J)		3.3	3.5			
3/17/2021		90.7					
3/29/2021						5.4	
8/4/2021					1.3		1.4
8/6/2021				4.2			
8/9/2021	1.3	84.7	1.6			5	
1/31/2022					1.2		1.2
2/1/2022	0.93 (J)	86.1	1.5				
2/2/2022				4.5		3.4	
8/10/2022					1.3		
8/12/2022							1.2
8/16/2022	0.78 (J)	58.5	7.8	4.5		3.5	
2/13/2023					1.7		1.4
2/14/2023				6.3			
2/16/2023	1.1	115	38.9				
2/17/2023						2.5	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			1.4538	1.1313	3.8282		
3/15/2016	4.9347	6.4987					
3/28/2016							0.7283 (J)
5/12/2016	2.3						
5/13/2016		3.68		1.96	3.56		
5/16/2016			1.18				
5/23/2016							0.728 (J)
7/19/2016				1.3	5.6		
7/20/2016	2						
7/21/2016		4.5					
7/22/2016			1.8				
8/1/2016							0.78 (J)
9/15/2016	1.1						
9/16/2016				1.1	6.7		
9/19/2016			1.4				
9/21/2016		2.8					
9/26/2016							0.82 (J)
11/2/2016				1.2	8.1		
11/3/2016	1.6	6.7	1.6				
11/10/2016							0.92 (J)
1/17/2017		<1.1 (*)	<1.8 (*)				
1/18/2017	1.5			0.84 (J)	8.9		
1/30/2017							<1
2/22/2017						22 (D)	
3/24/2017	1.6						
3/27/2017		0.85 (J)	2				
3/28/2017				0.7 (J)	8.2		
4/7/2017						18 (D)	0.82 (J)
6/6/2017	4.1	6.1		0.47 (J)	7		
6/7/2017			1.9				
6/12/2017							0.78 (J)
6/14/2017						20 (D)	
7/12/2017						18 (D)	
7/20/2017						20 (D)	
7/28/2017						18 (D)	
8/9/2017						19 (D)	
8/24/2017						21 (D)	
9/22/2017				0.59 (J)	8.3		
9/25/2017	1.9	3.5					
9/26/2017			2				
10/2/2017							0.71 (J)
10/3/2017						25 (D)	
12/28/2017						26 (Y)	
3/14/2018	11.5	10.9 (J)	2.1	0.39 (J)			
3/15/2018					5.1		
3/16/2018							0.67 (J)
3/21/2018						25.4	
9/12/2018	1.8	3.7		0.3 (J)	5.6		
9/14/2018			1.6				
9/17/2018							0.47 (J)
9/18/2018						22.8	
3/13/2019				0.43 (X)	4.4		

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	6.2	8.9	2.2				
3/19/2019							0.52 (J)
3/21/2019						24.9 (D)	
9/10/2019	1.2	8.4	1.2				
9/11/2019				<1	5		
9/12/2019						16.5 (D)	
9/13/2019							0.55 (J)
3/6/2020	10		1.7				
3/9/2020		8.5		<1	3.9		
3/11/2020							<1
3/12/2020						20.8	
9/10/2020	1.7	5.9	0.95 (J)				
9/11/2020				<1			
9/14/2020					4.9		
9/16/2020							<1
9/17/2020						20.3	
3/10/2021		8.4					
3/11/2021	6.1		1.6	<1	4.3		
3/16/2021						22.1	
3/17/2021							<1
8/4/2021	1.7	6.4	1.4				
8/5/2021					2.9		
8/6/2021				<1			
8/9/2021							<1
8/10/2021						20.7	
1/31/2022	1.8	8.5	1.1	<1	2.5		
2/1/2022							<1
2/3/2022						20.7	
8/10/2022			1		2.5		
8/11/2022	1.9	4.7		<1			
8/16/2022							<1
8/17/2022						18.1	
2/13/2023	6	10.2	1.6		2.5		
2/14/2023				<1			
2/16/2023							<1
2/17/2023						21.2	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.9594 (J)						
3/31/2016		1.17	1.5				
4/4/2016				2.57	2.99	0.3574 (J)	24.8
5/25/2016	1.59						
5/26/2016		1.01	1.51	2.5	2.68		
5/27/2016						<1	
5/31/2016							42.5
8/1/2016	1						
8/3/2016			1.4	3		0.35 (J)	
8/4/2016					3.6		91
8/5/2016		1.1					
9/26/2016	1.2						
9/28/2016		1	1.6	2.3	4.4		
9/29/2016							110
9/30/2016						0.47 (J)	
11/11/2016	1.2						
11/22/2016		1.8	1.6	3.8	3.8	0.36 (J)	
11/28/2016							120
1/30/2017	<1						
2/7/2017		1.7	2				
2/8/2017				3.1	2.7		
2/9/2017							150
2/13/2017						0.79 (J)	
4/3/2017	1.3						
4/10/2017		1.9	1.7	2.5	2.2		
4/11/2017						0.42 (J)	
4/12/2017							120
6/12/2017	1.1						
6/14/2017		1.1	1.4			0.3 (J)	
6/15/2017				2.5	2.3		
6/16/2017							120
10/2/2017	1.1						
10/4/2017		1.8	1.4	2.5	2.8	0.36 (J)	
10/9/2017							130
3/16/2018	0.87 (J)						
3/20/2018		1.4					
3/21/2018			1.1	2.4			59.1
3/22/2018					2.2	0.3 (J)	
9/18/2018	0.87 (J)	1.6	1.9	2.8	2.6	<1	
9/19/2018							64.5
3/19/2019	0.97 (J)						
3/22/2019		1.6	1.3				
3/23/2019				2.1	2.1	0.3 (J)	15.5 (J)
9/12/2019	0.8 (J)						
9/17/2019		1.2	1.6	2.6	2	<1 (D)	
9/18/2019							50.7
3/11/2020	0.85 (J)						
3/12/2020		1.3	0.99 (J)	1.8	1.5	<1	
3/13/2020							16.9
9/15/2020	0.54 (J)						
9/17/2020		0.87 (J)	0.95 (J)				
9/21/2020				2	1.8	<1	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							39.6
3/17/2021	0.86 (J)						
3/18/2021		1.2	0.96 (J)				19.3
3/19/2021				1.9	1.5	<1	
8/9/2021	0.77 (J)						
8/10/2021		1.3					
8/11/2021			1	1.4	1.5	<1	9.7
2/2/2022	0.53 (J)					<1	
2/4/2022		1.2	1.1	1.7	1.5		
2/17/2022							6.9
8/17/2022	0.55 (J)	1.1					
8/18/2022			1.5 (J)	1.6	1.9	<1	16
2/16/2023	0.58 (J)						
2/20/2023		1.5	1.5	1.7	1.8		
2/21/2023						<1	
2/22/2023							8.7

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					14.7828	0.6294 (J)	2.8721
4/4/2016	17.5						
4/5/2016		1.65	7.45	10.1			
5/16/2016					10.2	0.5151 (JD)	2.27 (D)
5/31/2016			7.29	12.1			
6/1/2016	20.9	1.75					
7/25/2016					8.4	0.84 (J*D)	2.6 (D)
8/4/2016			7.6				
9/19/2016					2.5	0.72 (JD)	2.8 (D)
9/29/2016			6.1				
11/3/2016					3.3		2.6 (D)
11/4/2016						0.75 (JD)	
11/23/2016			10	1.3			
11/28/2016		2.7					
1/19/2017					3.2		
1/20/2017							2.8 (D)
1/23/2017						0.99 (JD)	
2/9/2017		2.7					
2/10/2017			6.7	4.2			
2/22/2017	48						
3/28/2017					16 (J)		
3/29/2017						1.5 (D)	3.1 (D)
4/11/2017	41	4.9		3.2			
4/12/2017			9.2				
6/5/2017					38		
6/7/2017						0.63 (J)	3.2
6/14/2017		2.4					
6/15/2017			9.2	2.5			
6/16/2017	33						
7/12/2017	58	4.1		6.9			
7/20/2017					48		
7/26/2017				2.9			
7/28/2017	55						
8/10/2017	66						
9/26/2017					18		
9/27/2017						1.2	2.5
10/5/2017		1.6					
10/6/2017	77		10	6.6			
3/15/2018					32.4	0.75 (J)	2.9
3/22/2018		2.5					
3/23/2018	75.8		10.6	1.6			
9/12/2018					16		
9/13/2018						1.3	2.3
9/19/2018		1.7	10.4	2.6			
9/20/2018	72.2						
3/14/2019					79.7 (O)	0.72 (JXD)	4.3 (D)
3/22/2019	57.9	6.2		2.1			
3/25/2019			11.2				
9/11/2019					19.8	<1 (D)	2.6 (D)
9/17/2019		6.1	13.1	1.6			
9/18/2019	68.1						
3/10/2020					48.5	0.61 (J)	5.2

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		11.1	8.8	1.1			
3/17/2020	72.1						
9/11/2020						<1	2.8
9/15/2020					23.1		
9/21/2020		5.5	9	0.9 (J)			
9/22/2020	69.8						
3/11/2021					35.5	<1	4.2
3/18/2021		7.8	10.4	0.76 (J)			
3/19/2021	74.2						
8/4/2021					35.1		
8/6/2021						<1	4
8/11/2021		6.9	9.1	0.65 (J)			
8/12/2021	56.7						
1/31/2022					29.7		
2/1/2022						<1	6.1
2/4/2022	63.1	6.4	8.3				
2/7/2022				0.64 (J)			
8/12/2022						<1	3.6
8/15/2022					27.6		
8/18/2022		9.2					
8/19/2022	65.7		6.9	0.87 (J)			
2/14/2023					33.8	<1	10.1
2/22/2023	59.7	10.7	7.5	0.81 (J)			

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	5.7554	3.4409	9.1279	2.6569			
3/17/2016					3.4197	5.3658	
3/28/2016							1.87
5/17/2016	8.67			2.39			
5/18/2016		4.09	10.1		3.06	4.44	
5/25/2016							1.41
7/26/2016	6.6						
7/27/2016		4	7	<1.6 (*)	2.6		
7/28/2016						9.9	
8/1/2016							1.5
9/20/2016	5.8	4.3	6.7	2.4			
9/21/2016					3.1	2.2	
9/27/2016							1.4
11/4/2016	6.1		7.9	2.1	3.1		
11/7/2016		4.1				2.2	
11/11/2016							1.5
1/20/2017	7		6.6				
1/23/2017		5.1		2.1			
1/24/2017					3	1.5	
1/31/2017							1.8
3/28/2017	7.7			2.1			
3/29/2017		5.2	6.2		2.5		
3/30/2017						1.7	
4/3/2017							1.5
6/7/2017	6.4						
6/8/2017		3.8	7.5	1.3	3.3		
6/9/2017						1.7	
6/12/2017							2.1
9/27/2017		4.3	7.5				
9/29/2017	8.4			3.7	4.2	2.2	
10/3/2017							1.4
12/28/2017				1.7 (Y)	3.8 (Y)		
3/15/2018	6.4	3.7		0.76 (J)	3.1	2.4	
3/16/2018			13.4				
3/19/2018							1.3
9/13/2018	7.2	4.8	11.6	1.6	3.6		
9/14/2018						2.4	
9/17/2018							1.3
3/15/2019		4.2		1.7			
3/18/2019	4.4				5.8		
3/19/2019			14.8			2.2	
3/20/2019							1.3
9/11/2019	7		10.7	0.86 (X)	5.7	1.5	
9/12/2019		4.7					
9/16/2019							1.2
3/9/2020		4.3	10.4	1.6		1.5	
3/10/2020	5.5						
3/11/2020					3.3		
3/16/2020							1.1
9/11/2020					2.1		
9/14/2020	6.9	4.3		5.4		1.2	
9/15/2020			9.6				

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/16/2020							1.1
3/11/2021	6.7	4.7	10.4	15.4			
3/15/2021					2.6	1.5	
3/17/2021							1.1
5/26/2021				20.2			
8/4/2021				1.5			
8/5/2021	6	4.3	10.3			1.1	
8/9/2021							1.2
8/11/2021					2.4		
1/31/2022	5.2			1.2			
2/1/2022		4.3	9.4		2.5	0.93 (J)	
2/2/2022							1
8/15/2022	5.6	8.4 (J)	4.3	10.4	2.5	0.98 (J)	
8/16/2022							1
2/14/2023	4.7	4.3	12.7	3	1.8	0.84 (J)	
2/20/2023							1.4

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					3.9321	
3/29/2016	3.5801	1.4863				
3/30/2016				1.9542		2
5/24/2016	2.79	1.62		0.989 (J)		
5/25/2016					2.68	
5/26/2016						2.93
5/31/2016			2.03			
8/1/2016	2.2	2.3				
8/2/2016			0.96 (J)	1	2.7	
8/5/2016						3.6
9/26/2016	1.8	2.4			2.9	
9/27/2016			0.87 (J)	0.95 (J)		
9/28/2016						3.2
11/14/2016		2.8				
11/18/2016	1.8					
11/21/2016			0.93 (J)		2.8	3.3
11/22/2016				1.1		
2/1/2017	2.8	2.6	0.76 (J)			
2/3/2017					2.7	
2/6/2017				0.96 (J)		1.3
4/6/2017	<2.5	<2.3	<1	<1		<1.2
4/7/2017					2.3	
6/13/2017	2.8	2.2	0.58 (J)		2	2
6/14/2017				0.97 (J)		
7/14/2017			0.04 (J)			
10/3/2017	2.6	2.6	0.87 (J)		1.9	2.8
10/4/2017				0.84 (J)		
3/19/2018	2.6					
3/20/2018		2.5	0.5 (J)		1.6	1.2
3/21/2018				1.2		
9/17/2018	2.2	2.5				
9/18/2018			0.65 (J)	0.9 (J)	1.6	2.6
3/21/2019	2.7	1.7	1.9			2.3
3/27/2019				1.5		
5/6/2019					2.1	
9/13/2019			0.76 (J)			
9/16/2019	2	1.6		0.69 (JD)	1	3
3/12/2020	2.1	1.4	1.7	1.8		1.1
3/16/2020					0.66 (J)	
9/16/2020	1.8	1.3	1.1			
9/17/2020				0.6 (J)	0.74 (J)	3.5
3/17/2021	2.2	1.8	1.3	0.72 (J)		
3/18/2021					1.1	2.1
8/10/2021	1.7	1.4	1.1	0.64 (J)	0.72 (J)	1.7
2/2/2022	1.7	1.5	1.3	0.72 (J)	0.72 (J)	2.5
8/17/2022	1.6	1.2	0.91 (J)	0.53 (J)	0.58 (J)	2.5
2/17/2023	2	1.8				
2/20/2023			1.7		1.1	
2/21/2023				1.7		3

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/30/2015			7E-05				
10/12/2015						<0.001	
10/13/2015	<0.001	<0.001	<0.001				
3/14/2016					<0.001		
3/15/2016							<0.001
3/22/2016	<0.001						
3/23/2016		<0.001	<0.001			<0.001	
5/11/2016					<0.001		<0.001
5/16/2016				<0.001 (D)			
5/19/2016	<0.001		<0.001				
5/20/2016		<0.001					
5/23/2016						<0.001	
7/19/2016					<0.001 (*)		
7/21/2016							<0.001
7/27/2016				0.0002 (JD)			
7/29/2016	<0.001	<0.001	<0.001			<0.001	
9/15/2016					<0.001		<0.001
9/22/2016			<0.001			<0.001	
9/23/2016	<0.001	<0.001					
11/2/2016					<0.001		
11/3/2016							<0.001
11/9/2016	<0.001	<0.001					
11/10/2016			<0.001			<0.001	
1/17/2017							<0.001
1/18/2017					<0.001		
1/30/2017	<0.001						
1/31/2017		<0.001	<0.001			<0.001	
2/21/2017				<0.001			
3/24/2017							<0.001
3/27/2017				<0.001 (D)			
3/28/2017					5E-05 (J)		
3/30/2017	<0.001	<0.001				<0.001	
4/3/2017			<0.001				
5/24/2017							<0.001
6/7/2017					<0.001		
6/8/2017				<0.001 (D)			
6/9/2017	<0.001		<0.001				
6/12/2017		<0.001				<0.001	
7/17/2017				<0.001 (D)			
7/27/2017				<0.001			
8/9/2017				<0.001			
9/26/2017					7E-05 (J)		<0.001
9/29/2017				<0.001 (D)			
10/2/2017	<0.001	<0.001	<0.001				
10/4/2017						<0.001	
3/14/2018					<0.001		<0.001
3/16/2018	<0.001		<0.001	<0.001			
3/19/2018		<0.001				<0.001	
9/12/2018					<0.001		<0.001
9/14/2018		<0.001	<0.001	<0.001			
9/17/2018	<0.001 (D)					<0.001	
3/13/2019							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.001			
3/15/2019					<0.001		
3/19/2019			<0.001				
3/20/2019	<0.001	<0.001				<0.001	
9/9/2019					<0.001		<0.001
9/12/2019	<0.001	<0.001 (D)					
9/13/2019			6.2E-05 (J)			<0.001	
3/9/2020				<0.001	<0.001		7.8E-05 (J)
3/11/2020	<0.001	<0.001	<0.001			<0.001	
9/10/2020					<0.001		
9/11/2020							<0.001
9/15/2020	<0.001	<0.001	<0.001				
9/16/2020				<0.001			
3/10/2021							<0.001
3/12/2021					<0.001		
3/16/2021	<0.001		<0.001	<0.001			
3/17/2021		<0.001					
3/29/2021						<0.001	
8/4/2021					<0.001		<0.001
8/6/2021				<0.001			
8/9/2021	<0.001	<0.001	<0.001			<0.001	
1/31/2022					<0.001		<0.001
2/1/2022	<0.001	<0.001	<0.001				
2/2/2022				<0.001		<0.001	
8/10/2022					<0.001		
8/12/2022							<0.001
8/16/2022	<0.001	<0.001	<0.001	<0.001		<0.001	
2/13/2023					<0.001		<0.001
2/14/2023				<0.001			
2/16/2023	<0.001	<0.001	<0.001				
2/17/2023						<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/11/2015							<0.001
3/11/2016			<0.001	<0.001	<0.001		
3/15/2016	<0.001	<0.001					
3/28/2016							<0.001
5/12/2016	<0.001						
5/13/2016		<0.001		<0.001	<0.001		
5/16/2016			<0.001				
5/23/2016							<0.001
7/19/2016				<0.001 (*)	<0.001		
7/20/2016	<0.001						
7/21/2016		<0.001					
7/22/2016			0.0002 (J)				
8/1/2016							<0.001
9/15/2016	<0.001						
9/16/2016				<0.001	<0.001		
9/19/2016			<0.001				
9/21/2016		<0.001					
9/26/2016							<0.001
11/2/2016				<0.001	<0.001		
11/3/2016	<0.001	<0.001	<0.001				
11/10/2016							<0.001
1/17/2017		<0.001	<0.001				
1/18/2017	<0.001			<0.001	<0.001		
1/30/2017							<0.001
2/22/2017						<0.001	
3/24/2017	<0.001						
3/27/2017		<0.001	<0.001				
3/28/2017				5E-05 (J)	<0.001		
4/7/2017						<0.001	<0.001
6/6/2017	<0.001	0.0002 (J)		<0.001	<0.001		
6/7/2017			<0.001				
6/12/2017							<0.001
6/14/2017						<0.001 (D)	
7/12/2017						<0.001 (D)	
7/20/2017						<0.001 (D)	
7/28/2017						<0.001	
8/9/2017						<0.001	
8/24/2017						<0.001	
9/22/2017				<0.001	<0.001		
9/25/2017	<0.001	<0.001					
9/26/2017			<0.001				
10/2/2017							<0.001
10/3/2017						<0.001 (D)	
3/14/2018	<0.001	<0.001	<0.001	<0.001			
3/15/2018					<0.001		
3/16/2018							<0.001
3/21/2018						<0.001	
9/12/2018	<0.001	<0.001		<0.001	<0.001		
9/14/2018			<0.001				
9/17/2018							<0.001
9/18/2018						<0.001	
3/13/2019				<0.001	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.001	<0.001	<0.001				
3/19/2019							<0.001
3/21/2019						<0.001 (D)	
9/10/2019	<0.001 (D)	<0.001	<0.001				
9/11/2019				6.2E-05 (J)	<0.001		
9/12/2019						<0.001 (D)	
9/13/2019							<0.001
3/6/2020	<0.001		8.6E-05 (J)				
3/9/2020		6.1E-05 (J)		<0.001	<0.001		
3/11/2020							<0.001
3/12/2020						<0.001	
9/10/2020	<0.001	<0.001	<0.001				
9/11/2020				<0.001			
9/14/2020					<0.001		
9/16/2020							<0.001
9/17/2020						<0.001	
3/10/2021		<0.001					
3/11/2021	<0.001		<0.001	<0.001	<0.001		
3/16/2021						<0.001	
3/17/2021							<0.001
8/4/2021	<0.001	<0.001	<0.001				
8/5/2021					<0.001		
8/6/2021				<0.001			
8/9/2021							<0.001
8/10/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022							<0.001
2/3/2022						<0.001	
8/10/2022			<0.001		<0.001		
8/11/2022	<0.001	<0.001		<0.001			
8/16/2022							<0.001
8/17/2022						<0.001	
2/13/2023	<0.001	<0.001	<0.001		<0.001		
2/14/2023				<0.001			
2/16/2023							<0.001
2/17/2023						<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/10/2015		<0.001					
10/11/2015	<0.001			<0.001	0.0002		
10/12/2015			<0.001				
10/14/2015						<0.001	
10/15/2015							<0.001
3/28/2016	<0.001						
3/31/2016		<0.001	<0.001				
4/4/2016				<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001						
5/26/2016		<0.001	<0.001	<0.001	<0.001		
5/27/2016						<0.001	
5/31/2016							<0.001
8/1/2016	<0.001						
8/3/2016			0.0001 (J)	<0.001		<0.001	
8/4/2016					<0.001		<0.001
8/5/2016		<0.001					
9/26/2016	<0.001						
9/28/2016		<0.001	<0.001	<0.001	<0.001		
9/29/2016							<0.001
9/30/2016						<0.001	
11/11/2016	<0.001						
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001	
11/28/2016							<0.001
1/30/2017	<0.001						
2/7/2017		<0.001	<0.001				
2/8/2017				<0.001	<0.001		
2/9/2017							<0.001
2/13/2017						<0.001	
4/3/2017	<0.001						
4/10/2017		<0.001	<0.001	<0.001	<0.001		
4/11/2017						<0.001	
4/12/2017							<0.001
6/12/2017	<0.001						
6/14/2017		<0.001	<0.001			<0.001	
6/15/2017				<0.001	<0.001		
6/16/2017							<0.001
10/2/2017	<0.001						
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001	
10/9/2017							<0.001
3/16/2018	<0.001						
3/20/2018		<0.001					
3/21/2018			<0.001	<0.001			<0.001
3/22/2018					<0.001	<0.001	
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/19/2018							<0.001
3/19/2019	<0.001						
3/22/2019		<0.001	<0.001				
3/23/2019				<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001						
9/17/2019		<0.001	<0.001	<0.001	<0.001	<0.001 (D)	
9/18/2019							<0.001
3/11/2020	5.9E-05 (J)						

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/12/2020		<0.001	5.4E-05 (J)	<0.001	<0.001	<0.001	
3/13/2020							<0.001
9/15/2020	<0.001						
9/17/2020		<0.001	<0.001				
9/21/2020				<0.001	<0.001	<0.001	
9/22/2020							<0.001
3/17/2021	<0.001						
3/18/2021		<0.001	<0.001				<0.001
3/19/2021				<0.001	<0.001	<0.001	
8/9/2021	<0.001						
8/10/2021		<0.001					
8/11/2021			<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001					<0.001	
2/4/2022		<0.001	<0.001	<0.001	<0.001		
2/17/2022							<0.001
8/17/2022	<0.001	<0.001					
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2023	<0.001						
2/20/2023		<0.001	<0.001	<0.001	<0.001		
2/21/2023						<0.001	
2/22/2023							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0005 (D)			
10/7/2015		<0.001 (D)	<0.001 (D)				
10/14/2015	<0.001						
3/16/2016					<0.001	<0.001	<0.001
4/4/2016	<0.001						
4/5/2016		<0.001	<0.001	0.00036 (J)			
5/16/2016					<0.001	<0.001 (D)	<0.001 (D)
5/31/2016			<0.001	0.000373 (J)			
6/1/2016	<0.001	<0.001					
7/25/2016					<0.001	<0.001 (D)	<0.001 (D)
8/4/2016			<0.001				
8/9/2016		<0.001					
9/19/2016					<0.001	<0.001 (D)	<0.001 (D)
9/29/2016			<0.001				
11/3/2016					<0.001		<0.001 (D)
11/4/2016						<0.001 (D)	
11/23/2016			<0.001	<0.001			
11/28/2016		<0.001					
1/19/2017					<0.001		
1/20/2017							<0.001 (D)
1/23/2017						<0.001 (D)	
2/9/2017		<0.001					
2/10/2017			<0.001	<0.001			
2/22/2017	<0.001						
3/28/2017					5E-05 (J)		
3/29/2017						<0.001 (D)	<0.001 (D)
4/11/2017	<0.001	<0.001		<0.001			
4/12/2017			<0.001				
6/5/2017					5E-05 (J)		
6/7/2017						<0.001	<0.001
6/14/2017		<0.001					
6/15/2017			<0.001	<0.001			
6/16/2017	<0.001						
7/12/2017	6E-05 (J)	<0.001		<0.001			
7/26/2017				<0.001			
7/28/2017	<0.001						
8/10/2017	<0.001						
9/26/2017					<0.001		
9/27/2017						<0.001	<0.001
10/5/2017		<0.001					
10/6/2017	<0.001		<0.001	<0.001			
3/15/2018					<0.001	<0.001	<0.001
3/22/2018		<0.001					
3/23/2018	<0.001		<0.001	<0.001			
9/12/2018					<0.001		
9/13/2018						<0.001	<0.001
9/19/2018		<0.001	<0.001	<0.001			
9/20/2018	<0.001						
3/14/2019					<0.001	<0.001 (D)	<0.001 (D)
3/22/2019	<0.001	<0.001		<0.001			
3/25/2019			<0.001				
9/11/2019					<0.001	<0.001 (D)	<0.001 (D)

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.001	<0.001	<0.001			
9/18/2019	<0.001						
3/10/2020					<0.001	<0.001	<0.001
3/13/2020		<0.001	<0.001	<0.001			
3/17/2020	<0.001						
9/11/2020						<0.001	<0.001
9/15/2020					<0.001		
9/21/2020		<0.001	<0.001	<0.001			
9/22/2020	<0.001						
3/11/2021					<0.001	<0.001	<0.001
3/18/2021		<0.001	<0.001	<0.001			
3/19/2021	<0.001						
8/4/2021					<0.001		
8/6/2021						<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001			
8/12/2021	<0.001						
1/31/2022					<0.001		
2/1/2022						<0.001	<0.001
2/4/2022	<0.001	<0.001	<0.001				
2/7/2022				<0.001			
8/12/2022						<0.001	<0.001
8/15/2022					<0.001		
8/18/2022		<0.001					
8/19/2022	<0.001		<0.001	<0.001			
2/14/2023					<0.001	<0.001	<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
10/12/2015							<0.001
3/10/2016	<0.001	<0.001	0.00116	<0.001			
3/17/2016					<0.001	<0.001	
3/28/2016							<0.001
5/17/2016	<0.001			<0.001			
5/18/2016		<0.001	0.000768 (J)		<0.001	<0.001	
5/25/2016							<0.001
7/26/2016	7E-05 (J)						
7/27/2016		9E-05 (J)	0.0004 (J)	9E-05 (J)	0.0001 (J)		
7/28/2016						<0.001	
8/1/2016							<0.001
9/20/2016	<0.001	<0.001	0.0004 (J)	<0.001			
9/21/2016					<0.001	<0.001	
9/27/2016							<0.001
11/4/2016	<0.001		0.0003 (J)	<0.001	<0.001		
11/7/2016		<0.001				<0.001	
11/11/2016							<0.001
1/20/2017	<0.001		0.0003 (J)				
1/23/2017		<0.001		<0.001			
1/24/2017					<0.001	<0.001	
1/31/2017							<0.001
3/28/2017	7E-05 (J)			6E-05 (J)			
3/29/2017		7E-05 (J)	0.0003 (J)		<0.001		
3/30/2017						5E-05 (J)	
4/3/2017							<0.001
6/7/2017	6E-05 (J)						
6/8/2017		<0.001	0.0003 (J)	8E-05 (J)	<0.001		
6/9/2017						<0.001	
6/12/2017							<0.001
9/27/2017		6E-05 (J)	0.0003 (J)				
9/29/2017	6E-05 (J)			9E-05 (J)	<0.001	<0.001	
10/3/2017							<0.001
3/15/2018	<0.001	<0.001		<0.001	<0.001	<0.001	
3/16/2018			0.00036 (J)				
3/19/2018							<0.001
9/13/2018	<0.001	<0.001	0.00021 (J)	<0.001	<0.001		
9/14/2018						<0.001	
9/17/2018							<0.001
3/15/2019		<0.001		<0.001			
3/18/2019	<0.001				<0.001		
3/19/2019			0.00027 (J)			<0.001	
3/20/2019							<0.001
9/11/2019	<0.001		0.00023 (J)	0.000115 (JD)	<0.001	<0.001	
9/12/2019		<0.001					
9/16/2019							8.4E-05 (J)
3/9/2020		<0.001	0.00021 (J)	9E-05 (J)		<0.001	
3/10/2020	<0.001						
3/11/2020					<0.001		
3/16/2020							<0.001
9/11/2020					<0.001		
9/14/2020	<0.001	<0.001		<0.001		<0.001	
9/15/2020			0.00016 (J)				

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/16/2020							<0.001
3/11/2021	<0.001	<0.001	<0.001	<0.001			
3/15/2021					<0.001	<0.001	
3/17/2021							<0.001
8/4/2021				<0.001			
8/5/2021	<0.001	<0.001	<0.001			<0.001	
8/9/2021							<0.001
8/11/2021					<0.001		
1/31/2022	<0.001			<0.001			
2/1/2022		<0.001	<0.001		<0.001	<0.001	
2/2/2022							<0.001
8/15/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2022							<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/20/2023							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
10/8/2015				<0.001 (D)	0.0001 (D)	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	<0.001	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	<0.001			
2/3/2017					<0.001	
2/6/2017				<0.001		<0.001
4/6/2017	5E-05 (J)	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		7E-05 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			5.7E-05 (J)			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	0.00022 (J)	<0.001		<0.001
3/16/2020					<0.001	
9/16/2020	<0.001	<0.001	0.00019 (J)			
9/17/2020				<0.001	<0.001	<0.001
3/17/2021	<0.001	<0.001	0.00015 (J)	<0.001		
3/18/2021					<0.001	<0.001
8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2022	<0.001	<0.001	0.00024 (J)	<0.001	<0.001	<0.001
2/17/2023	<0.001	<0.001				
2/20/2023			<0.001		<0.001	
2/21/2023				<0.001		<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					106		
3/15/2016							107
3/22/2016	150						
3/23/2016		259	174			<25	
5/11/2016					58		80
5/16/2016				114 (D)			
5/19/2016	150		93				
5/20/2016		122					
5/23/2016						<25	
7/19/2016					46		
7/21/2016							76
7/27/2016				107 (D)			
7/29/2016	146	156	68			17 (J)	
9/15/2016					41		
9/19/2016							108
9/22/2016			91			33	
9/23/2016	163	150					
11/2/2016					37		
11/3/2016							90
11/9/2016	147	87					
11/10/2016			96			41	
1/17/2017							128
1/18/2017					29		
1/30/2017	127						
1/31/2017		63	206			58	
2/21/2017				229 (D)			
3/24/2017							91
3/27/2017				239 (D)			
3/28/2017					40		
3/30/2017	137	112				<25	
4/3/2017			118				
5/24/2017							152
6/8/2017				179 (D)			
6/9/2017	164		87				
6/12/2017		216				20 (J)	
7/17/2017				180 (D)			
7/27/2017				190 (D)			
8/9/2017				153 (D)			
9/26/2017					107		103
9/29/2017				173 (D)			
10/2/2017	137	<25	73				
10/4/2017						<25	
3/14/2018					126		123
3/16/2018	140		130	150			
3/19/2018		295				<25	
9/12/2018					134		105
9/14/2018		30	103	165			
9/17/2018	162					32	
3/13/2019							130
3/14/2019				154			
3/15/2019					107		
3/19/2019			208				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/20/2019	175	49				30	
9/9/2019					93		108
9/10/2019				181			
9/12/2019	174	44					
9/13/2019			113			19	
3/9/2020				173	58		131
3/11/2020	172	309	170			24	
9/10/2020					16		
9/11/2020							102
9/15/2020	156	28	89				
9/16/2020				156			
3/10/2021							60
3/12/2021					55		
3/16/2021	155		102	142			
3/17/2021		211					
3/29/2021						76	
8/4/2021					60		66
8/6/2021				133			
8/9/2021	150	207	127			95	
1/31/2022					61		81
2/1/2022	143	202	114				
2/2/2022				143		104	
8/10/2022					50		
8/12/2022							91
8/16/2022	159	182	123	125		85	
2/13/2023					105 (J)		259 (J)
2/14/2023				149 (J)			
2/16/2023	152 (J)	267 (J)	197 (J)				
2/17/2023						117 (J)	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			139	69	144		
3/15/2016	110	78					
3/28/2016							<25
5/12/2016	49						
5/13/2016		178		88	142		
5/16/2016			112				
5/23/2016							32
7/19/2016				56	135		
7/20/2016	72						
7/21/2016		168					
7/22/2016			136				
8/1/2016							<25
9/15/2016	18 (J)						
9/16/2016				31	144		
9/19/2016			121				
9/21/2016		123					
9/26/2016							45
11/2/2016				48	152		
11/3/2016	70	157	132				
11/10/2016							38
1/17/2017		170	150				
1/18/2017	63			44	125		
1/30/2017							<25
2/22/2017						329 (D)	
3/24/2017	63						
3/27/2017		158	148				
3/28/2017				<35	109		
4/7/2017						295 (D)	18 (J)
6/6/2017	128	212		36	154		
6/7/2017			181				
6/12/2017							15 (J)
6/14/2017						237 (D)	
7/12/2017						400 (D)	
7/20/2017						203 (D)	
7/28/2017						262 (D)	
8/9/2017						195 (D)	
8/24/2017						236 (D)	
9/22/2017				41	157		
9/25/2017	109	145					
9/26/2017			113				
10/2/2017							17 (J)
10/3/2017						224 (D)	
3/14/2018	192	210	134	<35			
3/15/2018					117		
3/16/2018							<25
3/21/2018						237	
9/12/2018	82	159		<35	151		
9/14/2018			139				
9/17/2018							38
9/18/2018						227	
3/13/2019				31	152		
3/14/2019	119	157	157				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							34
3/21/2019						367 (D)	
9/10/2019	36	113	105				
9/11/2019				21	151		
9/12/2019						200 (D)	
9/13/2019							19
3/6/2020	137		143				
3/9/2020		249		51	174		
3/11/2020							17
3/12/2020						247	
9/10/2020	35	111	120				
9/11/2020				31			
9/14/2020					146		
9/16/2020							20
9/17/2020						223	
3/10/2021		148					
3/11/2021	101		109	14	98		
3/16/2021						196	
3/17/2021							<25
8/4/2021	77	176	141				
8/5/2021					126		
8/6/2021				33			
8/9/2021							14
8/10/2021						238	
1/31/2022	63	184	132	25	128		
2/1/2022							21
2/3/2022						243	
8/10/2022			134		145		
8/11/2022	73	170		28			
8/16/2022							<25
8/17/2022						226	
2/13/2023	111 (J)	163 (J)	226		126		
2/14/2023				60.9			
2/16/2023							<25
2/17/2023						252 (J)	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	46						
3/31/2016		122	135				
4/4/2016				79	135	58	156
5/25/2016	57						
5/26/2016		143	163	105	124		
5/27/2016						66	
5/31/2016							192
8/1/2016	<25						
8/3/2016			159	106		65	
8/4/2016					109		269
8/5/2016		143					
9/26/2016	60						
9/28/2016		160	208	148	104		
9/29/2016							288
9/30/2016						60	
11/11/2016	13 (J)						
11/22/2016		149	152	88	94	63	
11/28/2016							224
1/30/2017	<25						
2/7/2017		123	128				
2/8/2017				62	141 (J)		
2/9/2017							386
2/13/2017						104 (J)	
4/3/2017	100						
4/10/2017		95	186	92	114		
4/11/2017						63	
4/12/2017							254
6/12/2017	51						
6/14/2017		150	150			97	
6/15/2017				96	153		
6/16/2017							309
10/2/2017	32						
10/4/2017		140	153	78	121	74	
10/9/2017							269
3/16/2018	<25						
3/20/2018		93					
3/21/2018			192	111			211
3/22/2018					139	54	
9/18/2018	15 (J)	155	155	106	139	73	
9/19/2018							222
3/19/2019	48						
3/22/2019		95	140				
3/23/2019				64	148	58	135
9/12/2019	46						
9/17/2019		165	172	101	143	62	
9/18/2019							200
3/11/2020	24						
3/12/2020		63	81	96	125	64	
3/13/2020							143
9/15/2020	12						
9/17/2020		140	125				
9/21/2020				93	145	62	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							176
3/17/2021	31						
3/18/2021		74	62				82
3/19/2021				79	135	53	
8/9/2021	<25						
8/10/2021		120					
8/11/2021			138	53	149	58	131
2/2/2022	15					54	
2/4/2022		102	156	120	157		
2/17/2022							119
8/17/2022	18 (J)	128					
8/18/2022			135	59	141	48	132
2/16/2023	<25						
2/20/2023		47	154	98	149		
2/21/2023						42	
2/22/2023							1020

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					<36	<10	89
4/4/2016	110						
4/5/2016		42	103	53			
5/16/2016					35	<10 (D)	169 (D)
5/31/2016			157	70			
6/1/2016	121	63					
7/25/2016					24 (J)	16 (JD)	159 (D)
8/4/2016			154				
8/9/2016		267					
9/19/2016					19 (J)	12 (JD)	152 (D)
9/29/2016			142				
11/3/2016					34		150 (D)
11/4/2016						13 (JD)	
11/23/2016			172	118			
11/28/2016		116					
1/19/2017					13 (J)		
1/20/2017							152 (D)
1/23/2017						15 (JD)	
2/9/2017		212 (J)					
2/10/2017			237	214			
2/22/2017	311						
3/28/2017					<36		
3/29/2017						<10 (D)	143 (D)
4/11/2017	212	113		127			
4/12/2017			168				
6/5/2017					206		
6/7/2017						26	192
6/14/2017		120					
6/15/2017			176	126			
6/16/2017	262						
7/12/2017	310	153		164			
7/20/2017					72		
7/26/2017				129			
7/28/2017	289						
8/10/2017	288						
9/26/2017					35		
9/27/2017						<10	159
10/5/2017		102					
10/6/2017	268		155	140			
3/15/2018					41	<10	146
3/22/2018		115					
3/23/2018	281		170	119			
9/12/2018					<36		
9/13/2018						<10	185
9/19/2018		114	181	138			
9/20/2018	297						
3/14/2019					110	39 (XJD)	195 (D)
3/22/2019	249	104		116			
3/25/2019			167				
9/11/2019					58	<10 (D)	172 (D)
9/17/2019		86	179	117			
9/18/2019	281						

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					127	60	245
3/13/2020		59	169	76			
3/17/2020	256						
9/11/2020						11	146
9/15/2020					56		
9/21/2020		94	186	122			
9/22/2020	248						
3/11/2021					43	12	167
3/18/2021		57	153	54			
3/19/2021	250						
8/4/2021					62		
8/6/2021						17	186
8/11/2021		77	181	122			
8/12/2021	263						
1/31/2022					63		
2/1/2022						70	201
2/4/2022	262	92	162				
2/7/2022				121			
8/12/2022						14	159
8/15/2022					50		
8/18/2022		83					
8/19/2022	243		152	112			
2/14/2023					70.9	33.9	206
2/22/2023	254	65	174	111			

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	253	152	149	63			
3/17/2016					103	31	
3/28/2016							<25
5/17/2016	251			<31			
5/18/2016		123	162		129	43	
5/25/2016							34
7/26/2016	249						
7/27/2016		113	132	11 (J)	108		
7/28/2016						43	
8/1/2016							25
9/20/2016	195	126	155	14 (J)			
9/21/2016					102	<25	
9/27/2016							20 (J)
11/4/2016	209		169	27	130		
11/7/2016		167				50	
11/11/2016							41
1/20/2017	211		135				
1/23/2017		125		15 (J)			
1/24/2017					152	63	
1/31/2017							127
3/28/2017	199			<31			
3/29/2017		116	147		95		
3/30/2017						<25	
4/3/2017							69
6/7/2017	251						
6/8/2017		131	159	29	176		
6/9/2017						20 (J)	
6/12/2017							46
9/27/2017		117	167				
9/29/2017	255			21 (J)	118	22 (J)	
10/3/2017							34
3/15/2018	231	102		<31	88	<25	
3/16/2018			141				
3/19/2018							<25
9/13/2018	263	144	175	<31	137		
9/14/2018						29	
9/17/2018							38
3/15/2019		125		41			
3/18/2019	251				170		
3/19/2019			154			35	
3/20/2019							66
9/11/2019	234		164	20	138	27	
9/12/2019		121					
9/16/2019							45
3/9/2020		147	44	100		51	
3/10/2020	273						
3/11/2020					125		
3/16/2020							20
9/11/2020					127		
9/14/2020	232	129		47		25	
9/15/2020			108				
9/16/2020							30

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	209	106	143	40			
3/15/2021					107	30	
3/17/2021							15
8/4/2021				34			
8/5/2021	210	90	142			<25	
8/9/2021							<25
8/11/2021					116		
1/31/2022	197			31			
2/1/2022		107	157		125	27	
2/2/2022							32
8/15/2022	187	141 (J)	104	37	103	<25	
8/16/2022							<25
2/14/2023	199	111 (J)	151	30.9	114	<25	
2/20/2023							53

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					111	
3/29/2016	51	64				
3/30/2016				104		26
5/24/2016	76	77		94		
5/25/2016					95	
5/26/2016						70
5/31/2016			120			
8/1/2016	69	35				
8/2/2016			100	105	124	
8/5/2016						95
9/26/2016	103	111			140	
9/27/2016			121	119		
9/28/2016						152
11/14/2016		76				
11/18/2016	77					
11/21/2016			164		154	145
11/22/2016				105		
2/1/2017	168	126	144			
2/3/2017					113	
2/6/2017				99		20 (J)
4/6/2017	95	146	125	124		17 (J)
4/7/2017					147	
6/13/2017	101	84	148		117	32
6/14/2017				114		
7/14/2017			121			
10/3/2017	83	70	117		150	71
10/4/2017				107		
3/19/2018	70					
3/20/2018		78	136		121	49
3/21/2018				117		
9/17/2018	77	74				
9/18/2018			116	110	93	38
3/21/2019	80	60	107			39
3/27/2019				101		
5/6/2019					118	
9/13/2019			115			
9/16/2019	82	65		113	99	85
3/12/2020	42	22	86	84		16
3/16/2020					76	
9/16/2020	77	52	124			
9/17/2020				111	98	94
3/17/2021	47	43	112	113		
3/18/2021					48	<25
8/10/2021	53	<10	101	112	92	22
2/2/2022	73	51	115	102	85	21
8/17/2022	53	33	83	89	41	25
2/17/2023	75 (J)	50 (J)				
2/20/2023			122		86	
2/21/2023				77		<25

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.01	<0.01	<0.01			<0.01	
10/23/2007	<0.01						
10/24/2007		<0.01	<0.01				
11/2/2007						<0.01	
11/18/2007	<0.01	0.0051	<0.01			0.0046	
1/30/2008	<0.01						
1/31/2008		<0.01	0.0078			<0.01	
3/10/2008	<0.01		<0.01				
3/11/2008		0.0032				<0.01	
5/6/2008		<0.01					
5/13/2008	<0.01		<0.01				
5/14/2008						<0.01	
12/4/2008		0.016 (O)	<0.01				
12/5/2008	<0.01					<0.01	
4/15/2009	<0.01					<0.01	
4/21/2009		0.005	0.0036				
10/7/2009	0.0099	<0.01					
10/8/2009			<0.01			<0.01	
4/21/2010			<0.01				
4/26/2010		<0.01					
4/28/2010						<0.01	
5/3/2010	<0.01						
9/28/2010			<0.01				
10/4/2010		0.0025					
10/6/2010						<0.01	
10/12/2010	<0.01						
4/12/2011			<0.01				
4/13/2011		<0.01					
4/21/2011						<0.01	
4/27/2011	<0.01						
10/4/2011			<0.01				
10/5/2011		<0.01					
10/13/2011						<0.01	
10/17/2011	<0.01						
4/3/2012			<0.01				
4/11/2012		<0.01					
5/1/2012						<0.01	
5/2/2012	<0.01						
10/8/2012	<0.01						
10/9/2012		<0.01	<0.01			<0.01	
4/11/2013			<0.01			<0.01	
4/12/2013	<0.01						
4/15/2013		<0.01					
10/15/2013		<0.01					
10/16/2013	<0.01		<0.01			<0.01	
4/10/2014			0.005 (J)				
4/11/2014	<0.01						
4/22/2014		<0.01					
4/23/2014						<0.01	
9/30/2014	<0.01	<0.01	<0.01				
10/4/2014						<0.01	
3/30/2015	0.0067	0.0016 (J)	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0023 (J)	
10/12/2015						<0.01	
10/13/2015	<0.01	<0.01	<0.01				
3/14/2016					<0.01		
3/15/2016							<0.01
3/22/2016	0.00214 (J)						
3/23/2016		<0.01	<0.01			<0.01	
5/11/2016					<0.01		<0.01
5/16/2016				<0.01 (D)			
7/19/2016					<0.01		
7/21/2016							<0.01
7/27/2016				0.002 (JD)			
7/29/2016	<0.01	<0.01	<0.01			<0.01	
9/15/2016					<0.01		<0.01
11/2/2016					<0.01		
11/3/2016							<0.01
1/17/2017							<0.01
1/18/2017					<0.01		
2/21/2017				<0.01			
3/24/2017							<0.01
3/27/2017				<0.01 (D)			
3/28/2017					<0.01		
3/30/2017	<0.01	<0.01				<0.01	
4/3/2017			<0.01				
9/26/2017					<0.01		<0.01
9/29/2017				<0.01 (D)			
10/2/2017	<0.01	<0.01	<0.01				
10/4/2017						<0.01	
3/14/2018					<0.01		<0.01
3/16/2018	<0.01		<0.01	<0.01			
3/19/2018		<0.01				<0.01	
9/12/2018					<0.01		<0.01
9/14/2018		<0.01	<0.01	<0.01			
9/17/2018	<0.01 (D)					<0.01	
3/13/2019							<0.01
3/14/2019				<0.01			
3/15/2019					<0.01		
3/19/2019			<0.01				
3/20/2019	<0.01	<0.01				<0.01	
9/9/2019					<0.01		<0.01
9/12/2019	<0.01	<0.01 (D)					
9/13/2019			0.001 (J)			<0.01	
3/9/2020				<0.01	<0.01		<0.01
3/11/2020	<0.01	<0.01	0.00084 (J)			<0.01	
9/10/2020					<0.01		
9/11/2020							<0.01
9/15/2020	<0.01	<0.01	<0.01				
9/16/2020				<0.01			
3/10/2021							<0.01
3/12/2021					<0.01		
3/16/2021	<0.01		<0.01	<0.01			
3/17/2021		<0.01					

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.01	
8/4/2021					<0.01		<0.01
8/6/2021				<0.01			
8/9/2021	<0.01	<0.01	<0.01			<0.01	
1/31/2022					<0.01		<0.01
2/1/2022	<0.01	<0.01	<0.01				
2/2/2022				<0.01		<0.01	
8/10/2022					<0.01		
8/12/2022							<0.01
8/16/2022	<0.01	<0.01	<0.01	<0.01		<0.01	
2/13/2023					<0.01		<0.01
2/14/2023				<0.01			
2/16/2023	<0.01	<0.01	<0.01				
2/17/2023						<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.01
4/23/2009							<0.01
10/6/2009							<0.01
4/27/2010							<0.01
9/30/2010							<0.01
4/14/2011							<0.01
10/5/2011							<0.01
4/11/2012							<0.01
10/2/2012							<0.01
4/9/2013							<0.01
10/15/2013							<0.01
4/10/2014							<0.01
10/1/2014							<0.01
3/30/2015							<0.01
10/11/2015							<0.01
3/11/2016			<0.01	0.00204 (J)	0.00202 (J)		
3/15/2016	<0.01	<0.01					
3/28/2016							<0.01
5/12/2016	<0.01						
5/13/2016		<0.01		<0.01	<0.01		
5/16/2016			<0.01				
7/19/2016				<0.01	<0.01		
7/20/2016	<0.01						
7/21/2016		<0.01					
7/22/2016			<0.01				
8/1/2016							<0.01
9/15/2016	<0.01						
9/16/2016				<0.01	<0.01		
9/19/2016			<0.01				
9/21/2016		<0.01					
11/2/2016				<0.01	<0.01		
11/3/2016	<0.01	<0.01	<0.01				
1/17/2017		<0.01	<0.01				
1/18/2017	<0.01			<0.01	<0.01		
3/24/2017	<0.01						
3/27/2017		<0.01	<0.01				
3/28/2017				<0.01	<0.01		
4/7/2017						<0.01	<0.01
9/22/2017				<0.01	<0.01		
9/25/2017	<0.01	<0.01					
9/26/2017			<0.01				
10/2/2017							<0.01
10/3/2017						<0.01 (D)	
3/14/2018	<0.01	<0.01	<0.01	<0.01			
3/15/2018					<0.01		
3/16/2018							<0.01
3/21/2018						<0.01	
9/12/2018	<0.01	<0.01		<0.01	<0.01		
9/14/2018			<0.01				
9/17/2018							<0.01
9/18/2018						<0.01	
3/13/2019				<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.01	<0.01	<0.01				
3/19/2019							<0.01
3/21/2019						<0.01 (D)	
9/10/2019	<0.01 (D)	<0.01	<0.01				
9/11/2019				<0.01	<0.01		
9/12/2019						0.00084 (JD)	
9/13/2019							<0.01
3/6/2020	<0.01		<0.01				
3/9/2020		<0.01		<0.01	0.00074 (J)		
3/11/2020							<0.01
3/12/2020						<0.01	
9/10/2020	<0.01	<0.01	<0.01				
9/11/2020				<0.01			
9/14/2020					<0.01		
9/16/2020							<0.01
9/17/2020						<0.01	
3/10/2021		<0.01					
3/11/2021	<0.01		<0.01	<0.01	<0.01		
3/16/2021						<0.01	
3/17/2021							<0.01
8/4/2021	<0.01	<0.01	<0.01				
8/5/2021					<0.01		
8/6/2021				<0.01			
8/9/2021							<0.01
8/10/2021						<0.01	
1/31/2022	<0.01	<0.01	<0.01	<0.01	<0.01		
2/1/2022							<0.01
2/3/2022						<0.01	
8/10/2022			<0.01		<0.01		
8/11/2022	<0.01	<0.01		<0.01			
8/16/2022							<0.01
8/17/2022						<0.01	
2/13/2023	<0.01	<0.01	<0.01		<0.01		
2/14/2023				<0.01			
2/16/2023							<0.01
2/17/2023						<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01		
11/19/2007						<0.01	0.0035
11/20/2007		0.0034	<0.01				
1/16/2008						0.0071	
1/30/2008		0.005	<0.01	<0.01	<0.01		
1/31/2008							0.0039
3/5/2008				<0.01		0.0031	<0.01
3/6/2008		0.0032	<0.01		0.0047		
5/7/2008				0.0029	0.003		
5/8/2008			<0.01				
5/12/2008		<0.01					0.0064
5/13/2008						<0.01	
12/12/2008	<0.01						
12/13/2008		0.0082				<0.01	0.02 (O)
12/14/2008			<0.01	0.0026	0.0056		
4/16/2009						0.0037	
4/23/2009	0.0065						
4/28/2009							0.0039
4/29/2009		<0.01	<0.01	<0.01	0.018 (O)		
10/6/2009	0.0026						
10/20/2009		<0.01					
10/21/2009			<0.01			0.0047	0.0037
10/22/2009				0.0026	0.0079		
4/21/2010			<0.01	<0.01	0.0075		
4/26/2010		<0.01					
4/27/2010						0.0082	
4/28/2010							<0.01
5/3/2010	0.0028						
9/28/2010			<0.01	<0.01			
9/29/2010		<0.01			0.0065		
10/5/2010						<0.01	<0.01
10/11/2010	0.0035						
4/12/2011			<0.01	<0.01			
4/13/2011		<0.01			0.004		
4/19/2011						0.0036	0.0025
4/27/2011	0.0047						
10/4/2011			<0.01	<0.01	0.0054		
10/5/2011		<0.01					
10/12/2011						<0.01	
10/18/2011							0.0037
10/19/2011	<0.01						
4/3/2012			<0.01	<0.01			
4/4/2012		<0.01			<0.01		
4/24/2012						<0.01	
4/25/2012							<0.01
5/1/2012	<0.01						
10/2/2012	<0.01					<0.01	<0.01
10/3/2012		<0.01		<0.01	<0.01		
10/8/2012			<0.01				
4/2/2013						<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.01	<0.01	<0.01	<0.01		
4/10/2013	<0.01						
10/8/2013							<0.01
10/9/2013				<0.01	<0.01	<0.01	
10/15/2013		<0.01	<0.01				
10/16/2013	<0.01						
4/1/2014						<0.01	0.005 (J)
4/2/2014				<0.01	0.005 (J)		
4/9/2014		<0.01	<0.01				
4/22/2014	0.005 (J)						
10/1/2014	<0.01						<0.01
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01	
3/30/2015	0.0032 (J)						
4/1/2015				<0.01	0.0067	<0.01	0.0019 (J)
4/2/2015		<0.01	<0.01				
10/10/2015		<0.01					
10/11/2015	<0.01			<0.01	0.0049 (J)		
10/12/2015			<0.01				
10/14/2015						0.0022 (J)	
10/15/2015							<0.01
3/28/2016	<0.01						
3/31/2016		<0.01	<0.01				
4/4/2016				<0.01	0.00251 (J)	<0.01	0.00211 (J)
8/1/2016	<0.01						
8/3/2016			<0.01	<0.01		<0.01	
8/4/2016					<0.01		<0.01
8/5/2016		<0.01					
4/3/2017	<0.01						
4/10/2017		<0.01	<0.01	<0.01	<0.01		
4/11/2017						<0.01	
4/12/2017							0.0016 (J)
10/2/2017	<0.01						
10/4/2017		<0.01	<0.01	<0.01	0.0015 (J)	<0.01	
10/9/2017							<0.01
3/16/2018	<0.01						
3/20/2018		<0.01					
3/21/2018			<0.01	<0.01			<0.01
3/22/2018					<0.01	<0.01	
9/18/2018	<0.01	<0.01	<0.01	<0.01	0.0022 (J)	<0.01	
9/19/2018							0.0022 (J)
3/19/2019	<0.01						
3/22/2019		<0.01	<0.01				
3/23/2019				<0.01	<0.01	<0.01	<0.01
9/12/2019	<0.01						
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)	
9/18/2019							<0.01
3/11/2020	<0.01						
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01	
3/13/2020							0.002 (J)
9/15/2020	<0.01						
9/17/2020		<0.01	<0.01				
9/21/2020				<0.01	<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.01
3/17/2021	<0.01						
3/18/2021		<0.01	<0.01				<0.01
3/19/2021				<0.01	<0.01	<0.01	
8/9/2021	<0.01						
8/10/2021		<0.01					
8/11/2021			<0.01	<0.01	<0.01	<0.01	0.0021 (J)
2/2/2022	<0.01					<0.01	
2/4/2022		<0.01	<0.01	<0.01	<0.01		
2/17/2022							<0.01
8/17/2022	<0.01	<0.01					
8/18/2022			<0.01	<0.01	<0.01	<0.01	<0.01
2/16/2023	<0.01						
2/20/2023		<0.01	<0.01	<0.01	<0.01		
2/21/2023						0.0034 (J)	
2/22/2023							0.0019 (J)

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.01						
8/23/2007			<0.01				
8/24/2007		0.012		0.0027			
11/1/2007	0.0048						
11/2/2007		<0.01	<0.01	0.012			
11/17/2007		0.0043	<0.01				
11/18/2007				0.016 (J)			
11/19/2007	0.0054						
1/15/2008		0.0037	<0.01	0.018			
1/31/2008	0.003						
3/5/2008	<0.01	0.0049					
3/6/2008			<0.01				
3/10/2008				0.014			
5/7/2008	0.0041	<0.01	<0.01				
5/13/2008				0.013			
12/2/2008		0.0097	<0.01	0.016			
12/12/2008	0.023 (O)						
4/16/2009		0.0061					
4/28/2009			<0.01	0.016			
4/29/2009	0.006						
10/19/2009			<0.01				
10/20/2009		0.0092		0.021			
10/21/2009	0.022 (O)						
4/20/2010		<0.01					
4/27/2010			<0.01	0.012			
4/28/2010	0.011						
9/29/2010		<0.01					
10/4/2010			<0.01				
10/5/2010				0.011			
10/6/2010	0.0064						
4/12/2011		<0.01					
4/18/2011			<0.01				
4/19/2011				0.012			
4/20/2011	0.0046						
10/4/2011		<0.01					
10/12/2011	<0.01		<0.01	0.0031			
4/4/2012		<0.01					
4/23/2012			<0.01				
4/25/2012	<0.01			<0.01			
10/2/2012	<0.01						
10/10/2012		<0.01	<0.01	<0.01			
4/2/2013	<0.01						
4/15/2013		<0.01	<0.01				
4/16/2013				<0.01			
10/8/2013	<0.01						
10/22/2013		<0.01	<0.01	<0.01			
4/1/2014	0.005 (J)						
4/21/2014		0.005 (J)	<0.01	0.005 (J)			
9/30/2014		<0.01	<0.01	<0.01			
10/1/2014	<0.01						
3/31/2015	<0.01						
4/3/2015		0.001 (J)	<0.01	0.0016 (J)			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.002 (J)			
10/7/2015		<0.01	<0.01				
10/14/2015	<0.01						
3/16/2016					<0.01	<0.01	<0.01
4/4/2016	<0.01						
4/5/2016		<0.01	<0.01	0.00233 (J)			
5/16/2016					<0.01	<0.01 (D)	<0.01 (D)
7/25/2016					<0.01	0.0022 (JD)	<0.01 (D)
8/4/2016			<0.01				
8/9/2016		<0.01					
9/19/2016					<0.01	<0.01 (D)	<0.01 (D)
11/3/2016					<0.01		<0.01 (D)
11/4/2016						<0.01 (D)	
1/19/2017					<0.01		
1/20/2017							<0.01 (D)
1/23/2017						<0.01 (D)	
3/28/2017					<0.01		
3/29/2017						<0.01 (D)	<0.01 (D)
4/11/2017	<0.01	<0.01		<0.01			
4/12/2017			<0.01				
9/26/2017					<0.01		
9/27/2017						<0.01	<0.01
10/5/2017		<0.01					
10/6/2017	<0.01		<0.01	<0.01			
3/15/2018					<0.01	<0.01	<0.01
3/22/2018		<0.01					
3/23/2018	<0.01		<0.01	<0.01			
9/12/2018					<0.01		
9/13/2018						<0.01	<0.01
9/19/2018		<0.01	<0.01	<0.01			
9/20/2018	<0.01						
3/14/2019					<0.01	<0.01 (D)	<0.01 (D)
3/22/2019	<0.01	<0.01		<0.01			
3/25/2019			<0.01				
9/11/2019					<0.01	<0.01 (D)	<0.01 (D)
9/17/2019		<0.01	<0.01	<0.01			
9/18/2019	<0.01						
3/10/2020					<0.01	<0.01	<0.01
3/13/2020		<0.01	0.00077 (J)	0.00095 (J)			
3/17/2020	<0.01						
9/11/2020						<0.01	<0.01
9/15/2020					<0.01		
9/21/2020		<0.01	<0.01	<0.01			
9/22/2020	<0.01						
3/11/2021					<0.01	<0.01	<0.01
3/18/2021		<0.01	<0.01	<0.01			
3/19/2021	<0.01						
8/4/2021					<0.01		
8/6/2021						<0.01	<0.01
8/11/2021		<0.01	<0.01	<0.01			
8/12/2021	<0.01						
1/31/2022					<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.01	<0.01
2/4/2022	<0.01	<0.01	<0.01				
2/7/2022				<0.01			
8/12/2022						<0.01	<0.01
8/15/2022					<0.01		
8/18/2022		<0.01					
8/19/2022	<0.01		<0.01	<0.01			
2/14/2023					<0.01	<0.01	<0.01
2/22/2023	<0.01	<0.01	<0.01	<0.01			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0032
10/25/2007							<0.01
11/19/2007							<0.01
1/23/2008							<0.01
3/11/2008							<0.01
5/12/2008							<0.01
12/11/2008							<0.01
4/15/2009							<0.01
10/9/2009							<0.01
5/4/2010							<0.01
10/12/2010							<0.01
4/28/2011							<0.01
10/19/2011							<0.01
5/2/2012							<0.01
10/9/2012							<0.01
4/11/2013							<0.01
10/16/2013							<0.01
4/23/2014							<0.01
10/3/2014							0.00097 (J)
3/31/2015							0.00096 (J)
10/12/2015							<0.01
3/10/2016	<0.01	<0.01	<0.01	<0.01			
3/17/2016					<0.01	<0.01	
3/28/2016							<0.01
5/17/2016	<0.01			<0.01			
5/18/2016		<0.01	<0.01		<0.01	<0.01	
7/26/2016	<0.01						
7/27/2016		<0.01	<0.01	<0.01	<0.01		
7/28/2016						<0.01	
8/1/2016							<0.01
9/20/2016	<0.01	<0.01	<0.01	<0.01			
9/21/2016					<0.01	<0.01	
11/4/2016	<0.01		<0.01	<0.01	<0.01		
11/7/2016		<0.01				<0.01	
1/20/2017	<0.01		<0.01				
1/23/2017		<0.01		<0.01			
1/24/2017					<0.01	<0.01	
3/28/2017	<0.01			<0.01			
3/29/2017		<0.01	<0.01		<0.01		
3/30/2017						<0.01	
4/3/2017							<0.01
9/27/2017		<0.01	<0.01				
9/29/2017	<0.01			<0.01	<0.01	<0.01	
10/3/2017							<0.01
3/15/2018	<0.01	<0.01		<0.01	<0.01	<0.01	
3/16/2018			<0.01				
3/19/2018							<0.01
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01		
9/14/2018						<0.01	
9/17/2018							<0.01
3/15/2019		<0.01		<0.01			
3/18/2019	<0.01				<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.01			<0.01	
3/20/2019							<0.01
9/11/2019	<0.01		<0.01	<0.01 (D)	<0.01	<0.01	
9/12/2019		<0.01					
9/16/2019							<0.01
3/9/2020		<0.01	0.00075 (J)	<0.01		<0.01	
3/10/2020	<0.01						
3/11/2020					<0.01		
3/16/2020							<0.01
9/11/2020					<0.01		
9/14/2020	<0.01	<0.01		<0.01		<0.01	
9/15/2020			<0.01				
9/16/2020							<0.01
3/11/2021	<0.01	<0.01	<0.01	<0.01			
3/15/2021					<0.01	<0.01	
3/17/2021							<0.01
8/4/2021				<0.01			
8/5/2021	<0.01	<0.01	<0.01			<0.01	
8/9/2021							<0.01
8/11/2021					<0.01		
1/31/2022	<0.01			<0.01			
2/1/2022		<0.01	<0.01		<0.01	<0.01	
2/2/2022							<0.01
8/15/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/16/2022							<0.01
2/14/2023	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
2/20/2023							<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						0.0052
11/20/2007	<0.01					
1/15/2008						0.0065
1/23/2008	0.007					
3/6/2008						0.0028
3/11/2008	0.0033					
5/13/2008						<0.01
5/14/2008	0.0043					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						0.0033
4/23/2009	<0.01					
10/9/2009	0.0043					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	0.0027					
9/29/2010						<0.01
10/11/2010	0.0034					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				0.005 (J)		
4/14/2014	0.005 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0016 (J)					
4/1/2015	0.0021 (J)					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			0.005 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.0056	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.0032 (JD)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01
3/17/2021	<0.01	<0.01	<0.01	<0.01		
3/18/2021					<0.01	<0.01
8/10/2021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/2/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/17/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/17/2023	<0.01	<0.01				
2/20/2023			<0.01		<0.01	
2/21/2023				<0.01		0.003 (J)

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.032 (O)	0.0033	0.0079			0.066	
10/23/2007	0.0099						
10/24/2007		0.043 (O)	<0.02				
11/2/2007						0.055	
11/18/2007	0.0095 (J)	0.024	0.015			0.13	
1/30/2008	0.022 (O)						
1/31/2008		0.015	0.063 (O)			0.13	
3/10/2008	0.014		0.013 (J)				
3/11/2008		0.027				0.07	
5/6/2008		0.0032					
5/13/2008	0.0075		0.0072				
5/14/2008						0.12	
12/4/2008		0.081 (O)	0.011 (J)				
12/5/2008	0.0056 (J)					0.088	
4/15/2009	0.0033					0.068	
4/21/2009		0.0057	0.0041				
10/7/2009	0.061 (O)	<0.02					
10/8/2009			<0.02			0.075	
4/21/2010			<0.02				
4/26/2010		<0.02					
4/28/2010						0.071	
5/3/2010	0.0033						
9/28/2010			0.0081				
10/4/2010		0.0057					
10/6/2010						0.074	
10/12/2010	0.0041						
4/12/2011			0.0025				
4/13/2011		<0.02					
4/21/2011						0.047	
4/27/2011	<0.02						
10/4/2011			0.0027				
10/5/2011		<0.02					
10/13/2011						0.073	
10/17/2011	0.0046						
4/3/2012			<0.02				
4/11/2012		<0.02					
5/1/2012						0.0652	
5/2/2012	<0.02						
10/8/2012	0.0053						
10/9/2012		<0.02	0.0064			0.061	
4/11/2013			<0.02			0.053	
4/12/2013	0.006						
4/15/2013		0.0038					
10/15/2013		0.0044					
10/16/2013	0.0048		<0.02			0.047	
4/10/2014			0.0026				
4/11/2014	0.0033						
4/22/2014		0.0025 (J)					
4/23/2014						0.041	
9/30/2014	0.002 (J)	0.00076 (J)	0.0012 (J)				
10/4/2014						0.044 (V)	
3/30/2015	0.012	0.0024 (J)	0.013				

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.12	
10/12/2015						0.053	
10/13/2015	0.011	0.0017 (J)	0.0043				
3/14/2016					<0.02		
3/15/2016							<0.02
3/22/2016	0.00346 (J)						
3/23/2016		<0.02	<0.02			0.0532	
5/11/2016					0.00467 (J)		<0.02
5/16/2016				<0.02 (D)			
7/19/2016					<0.02 (*)		
7/21/2016							<0.02 (*)
7/27/2016				<0.02 (*)			
7/29/2016	<0.02	<0.02	<0.02			0.0446	
9/15/2016					0.0044 (J)		<0.02
11/2/2016					0.0043 (J)		
11/3/2016							<0.02
1/17/2017							<0.02
1/18/2017					<0.02 (*)		
2/21/2017				0.0049 (J)			
3/24/2017							<0.02 (*)
3/27/2017				<0.02 (*)			
3/28/2017					<0.02 (*)		
3/30/2017	<0.02	<0.02				0.0479	
4/3/2017			<0.02				
9/26/2017					0.0029 (J)		0.0019 (J)
9/29/2017				0.0012 (JD)			
10/2/2017	<0.02	<0.02	<0.02				
10/4/2017						0.0429	
3/14/2018					<0.02		<0.02
3/16/2018	<0.02		<0.02	0.0042 (J)			
3/19/2018		<0.02				<0.02	
9/12/2018					<0.02		<0.02
9/14/2018		<0.02	<0.02	<0.02			
9/17/2018	<0.02 (D)					0.04	
3/13/2019							<0.02
3/14/2019				0.0035 (J)			
3/15/2019					0.0023 (J)		
3/19/2019			<0.02				
3/20/2019	<0.02	<0.02				0.028	
9/9/2019					0.0047 (J)		0.0058 (J)
9/12/2019	0.0047 (J)	0.00505 (JD)					
9/13/2019			0.0078 (J)			0.036	
3/9/2020				0.009 (J)	0.0035 (J)		0.002 (J)
3/11/2020	0.0035 (J)	0.0028 (J)	0.0038 (J)			0.031	
9/10/2020					<0.02		
9/11/2020							<0.02
9/15/2020	<0.02	<0.02	<0.02				
9/16/2020				<0.02			
3/10/2021							<0.02
3/12/2021					0.0065 (J)		
3/16/2021	0.0091 (J)		<0.02	<0.02			
3/17/2021		<0.02					

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.02	
8/4/2021					<0.02		<0.02
8/6/2021				<0.02			
8/9/2021	<0.02	<0.02	<0.02			<0.02	
1/31/2022					<0.02		<0.02
2/1/2022	<0.02	<0.02	<0.02				
2/2/2022				<0.02		<0.02	
8/10/2022					<0.02		
8/12/2022							<0.02
8/16/2022	<0.02	<0.02	<0.02	<0.02		<0.02	
2/13/2023					<0.02		<0.02
2/14/2023				<0.02			
2/16/2023	<0.02	<0.02	<0.02				
2/17/2023						<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.048 (O)
4/23/2009							0.0075
10/6/2009							0.0075
4/27/2010							0.0051
9/30/2010							0.0089
4/14/2011							0.0043
10/5/2011							0.0051
4/11/2012							<0.02
10/2/2012							0.006
4/9/2013							0.0034
10/15/2013							0.0042
4/10/2014							0.0035
10/1/2014							0.0019 (J)
3/30/2015							0.0032
10/11/2015							0.0048
3/11/2016			0.00862 (J)	0.0093 (J)	0.00722 (J)		
3/15/2016	<0.02	0.00286 (J)					
3/28/2016							0.00282 (J)
5/12/2016	<0.02						
5/13/2016		<0.02		0.00336 (J)	0.00666 (J)		
5/16/2016			0.00744 (J)				
7/19/2016				<0.02 (*)	<0.02 (*)		
7/20/2016	<0.02						
7/21/2016		<0.02 (*)					
7/22/2016			<0.02 (*)				
8/1/2016							<0.02
9/15/2016	0.0027 (J)						
9/16/2016				0.0023 (J)	<0.02		
9/19/2016			0.0162				
9/21/2016		<0.02					
11/2/2016				0.0047 (J)	0.0057 (J)		
11/3/2016	<0.02	<0.02	0.011				
1/17/2017		<0.02	0.0104				
1/18/2017	<0.02 (*)			<0.02	0.0022 (J)		
3/24/2017	<0.02 (*)						
3/27/2017		<0.02 (*)	<0.02 (*)				
3/28/2017				<0.02 (*)	<0.02		
4/7/2017						<0.02	<0.02
9/22/2017				0.0013 (J)	0.0014 (J)		
9/25/2017	<0.02	0.0023 (J)					
9/26/2017			0.0094 (J)				
10/2/2017							0.0015 (J)
10/3/2017						<0.02 (D)	
3/14/2018	<0.02	<0.02	<0.02	<0.02			
3/15/2018					<0.02		
3/16/2018							<0.02
3/21/2018						<0.02	
9/12/2018	<0.02	<0.02		<0.02	<0.02		
9/14/2018			<0.02				
9/17/2018							<0.02
9/18/2018						<0.02	
3/13/2019				0.0022 (J)	0.0023 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.02	0.0021 (J)	0.01				
3/19/2019							<0.02
3/21/2019						0.0034 (JD)	
9/10/2019	0.00745 (JD)	0.0075 (J)	0.014				
9/11/2019				0.0065 (J)	0.0053 (J)		
9/12/2019						0.0072 (JD)	
9/13/2019							0.0061 (J)
3/6/2020	0.0027 (J)		0.012				
3/9/2020		0.0024 (J)		0.002 (J)	0.0022 (J)		
3/11/2020							0.0025 (J)
3/12/2020						0.0027 (J)	
9/10/2020	<0.02	<0.02	0.0073 (J)				
9/11/2020				<0.02			
9/14/2020					<0.02		
9/16/2020							<0.02
9/17/2020						0.0047 (J)	
3/10/2021		<0.02					
3/11/2021	<0.02		0.0089 (J)	<0.02	<0.02		
3/16/2021						<0.02	
3/17/2021							<0.02
8/4/2021	<0.02	<0.02	<0.02				
8/5/2021					<0.02		
8/6/2021				<0.02			
8/9/2021							<0.02
8/10/2021						<0.02	
1/31/2022	<0.02	<0.02	<0.02	<0.02	<0.02		
2/1/2022							<0.02
2/3/2022						<0.02	
8/10/2022			0.0089 (J)		<0.02		
8/11/2022	<0.02	<0.02		<0.02			
8/16/2022							<0.02
8/17/2022						<0.02	
2/13/2023	<0.02	<0.02	0.011 (J)		<0.02		
2/14/2023				<0.02			
2/16/2023							<0.02
2/17/2023						<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.031	0.0066	<0.02	<0.02	0.036	0.0064
11/1/2007		0.0041	0.0086	<0.02	<0.02	0.0041	<0.02
11/18/2007				<0.02	<0.02		
11/19/2007						0.015	0.015
11/20/2007		0.056	0.005				
1/16/2008						0.074	
1/30/2008		0.032	0.0084	<0.02	<0.02		
1/31/2008							0.032 (O)
3/5/2008				<0.02		0.055	0.0061
3/6/2008		0.03	0.0073		0.0038		
5/7/2008				0.015	<0.02		
5/8/2008			0.0084				
5/12/2008		0.008					0.012
5/13/2008						0.035	
12/12/2008	0.013 (J)						
12/13/2008		0.056				0.012 (J)	0.087 (O)
12/14/2008			0.0075 (J)	0.0086 (J)	0.0031 (J)		
4/16/2009						0.053	
4/23/2009	0.075 (O)						
4/28/2009							0.067 (O)
4/29/2009		0.057	0.0028	0.0037	0.0031		
10/6/2009	0.056 (O)						
10/20/2009		0.0037					
10/21/2009			<0.02			0.0063	0.025 (O)
10/22/2009				<0.02	0.0029		
4/21/2010			<0.02	<0.02	0.0027		
4/26/2010		<0.02					
4/27/2010						0.045	
4/28/2010							0.014
5/3/2010	0.051 (O)						
9/28/2010			0.005	0.0042			
9/29/2010		0.012			<0.02		
10/5/2010						0.0047	0.012
10/11/2010	0.016						
4/12/2011			<0.02	<0.02			
4/13/2011		<0.02			<0.02		
4/19/2011						0.0068	0.012
4/27/2011	0.025 (O)						
10/4/2011			0.0088	0.012	0.003		
10/5/2011		0.0031					
10/12/2011						0.0048	
10/18/2011							0.025
10/19/2011	0.0078						
4/3/2012			<0.02	<0.02			
4/4/2012		<0.02			<0.02		
4/24/2012						<0.02	
4/25/2012							0.014
5/1/2012	0.0134						
10/2/2012	0.012					<0.02	0.0089
10/3/2012		0.0085		<0.02	0.0029		
10/8/2012			0.0034				
4/2/2013						0.0081	0.0082

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0061	<0.02	<0.02	0.0035		
4/10/2013	0.018						
10/8/2013							0.015
10/9/2013				<0.02	<0.02	0.0032	
10/15/2013		0.008	0.0027				
10/16/2013	0.015						
4/1/2014						0.0025 (J)	0.0074
4/2/2014				0.0063	0.0033		
4/9/2014		0.0048	0.0025 (J)				
4/22/2014	0.015						
10/1/2014	0.0038						0.00077 (J)
10/2/2014		0.0023 (JV)	0.0027 (V)	0.0023 (J)	0.0027	0.0023 (J)	
3/30/2015	0.0097						
4/1/2015				0.0017 (J)	0.013	0.0035	0.0082
4/2/2015		0.0023 (J)	0.002 (J)				
10/10/2015		0.0024 (J)					
10/11/2015	0.0024 (J)			0.0016 (J)	0.017		
10/12/2015			<0.02				
10/14/2015						0.0066	
10/15/2015							0.0082
3/28/2016	0.00703 (J)						
3/31/2016		<0.02	0.00266 (J)				
4/4/2016				<0.02	0.00419 (J)	0.00858 (J)	0.00818 (J)
8/1/2016	<0.02						
8/3/2016			<0.02	<0.02		<0.02	
8/4/2016					<0.02		<0.02
8/5/2016		<0.02					
4/3/2017	<0.02						
4/10/2017		<0.02	<0.02	<0.02	<0.02		
4/11/2017						<0.02	
4/12/2017							<0.02
10/2/2017	0.0016 (J)						
10/4/2017		0.0012 (J)	<0.02	0.0014 (J)	0.0014 (J)	0.0104	
10/9/2017							<0.02
3/16/2018	<0.02						
3/20/2018		<0.02					
3/21/2018			<0.02	<0.02			<0.02
3/22/2018					<0.02	0.014	
9/18/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.013	
9/19/2018							<0.02
3/19/2019	<0.02						
3/22/2019		<0.02	<0.02				
3/23/2019				<0.02	<0.02	0.012	0.021
9/12/2019	0.0058 (J)						
9/17/2019		0.0052 (J)	0.0048 (J)	0.0056 (J)	0.0075 (J)	0.018 (D)	
9/18/2019							0.007 (J)
3/11/2020	0.0033 (J)						
3/12/2020		0.0024 (J)	0.0027 (J)	0.0038 (J)	0.0053 (J)	0.015	
3/13/2020							0.0043 (J)
9/15/2020	<0.02						
9/17/2020		<0.02	<0.02				
9/21/2020				<0.02	0.0037 (J)	0.0065 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.02
3/17/2021	<0.02						
3/18/2021		<0.02	<0.02				<0.02
3/19/2021				<0.02	<0.02	0.0076 (J)	
8/9/2021	<0.02						
8/10/2021		<0.02					
8/11/2021			<0.02	<0.02	<0.02	0.011 (J)	<0.02
2/2/2022	<0.02					0.019 (J)	
2/4/2022		<0.02	<0.02	<0.02	<0.02		
2/17/2022							<0.02
8/17/2022	<0.02	<0.02					
8/18/2022			<0.02	<0.02	<0.02	0.014 (J)	<0.02
2/16/2023	<0.02						
2/20/2023		<0.02	<0.02	<0.02	<0.02		
2/21/2023						<0.02	
2/22/2023							<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.02						
8/23/2007			0.0038				
8/24/2007		0.0036 (J)		0.052 (O)			
11/1/2007	0.0038						
11/2/2007		0.0026 (J)	0.0025	0.01 (J)			
11/17/2007		0.024 (O)	0.023 (O)				
11/18/2007				0.025 (J)			
11/19/2007	0.0055						
1/15/2008		0.0074	0.012	0.055 (O)			
1/31/2008	0.0063						
3/5/2008	0.0037	0.075 (O)					
3/6/2008			0.0069				
3/10/2008				0.018			
5/7/2008	0.0033	0.0088	0.007				
5/13/2008				0.0044			
12/2/2008		0.11 (O)	0.021 (O)	0.065 (O)			
12/12/2008	0.097 (O)						
4/16/2009		0.091 (O)					
4/28/2009			0.0055	0.0037 (J)			
4/29/2009	0.068 (O)						
10/19/2009			0.0051				
10/20/2009		0.056 (O)		0.0043			
10/21/2009	0.011						
4/20/2010		0.014					
4/27/2010			0.0068	<0.02			
4/28/2010	0.048 (O)						
9/29/2010		0.015					
10/4/2010			0.0074				
10/5/2010				0.0028			
10/6/2010	0.003						
4/12/2011		0.0028					
4/18/2011			0.0031				
4/19/2011				<0.02			
4/20/2011	0.0038						
10/4/2011		0.0025					
10/12/2011	0.0027		0.0067	<0.02			
4/4/2012		0.0105					
4/23/2012			<0.02				
4/25/2012	<0.02			<0.02			
10/2/2012	0.0059						
10/10/2012		0.0033	0.0046	<0.02			
4/2/2013	0.008						
4/15/2013		0.0031	0.006				
4/16/2013				0.005			
10/8/2013	0.0062						
10/22/2013		<0.02	0.0037	0.0028			
4/1/2014	0.0067						
4/21/2014		0.0032	0.0073	0.0028			
9/30/2014		0.0015 (J)	0.0027	0.0018 (J)			
10/1/2014	0.0024 (J)						
3/31/2015	0.0046						
4/3/2015		0.0015 (J)	0.0017 (J)	0.0021 (J)			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.02			
10/7/2015		<0.02	0.0042				
10/14/2015	0.002 (J)						
3/16/2016					0.00424 (J)	0.00244 (J)	0.00697 (J)
4/4/2016	<0.02						
4/5/2016		<0.02	0.00573 (J)	0.00288 (J)			
5/16/2016					0.00345 (J)	<0.02 (D)	0.00452 (JD)
7/25/2016					<0.02 (*)	0.006 (J*D)	0.0065 (*JD)
8/4/2016			<0.02				
8/9/2016		0.0016 (J)					
9/19/2016					0.004 (J)	0.0061 (JD)	0.0034 (JD)
11/3/2016					0.0047 (J)		0.0039 (JD)
11/4/2016						0.0032 (JD)	
1/19/2017					0.0035 (J)		
1/20/2017							0.0023 (JD)
1/23/2017						0.0031 (JD)	
3/28/2017					<0.02 (*)		
3/29/2017						0.00615 (*JD)	0.00705 (*JD)
4/11/2017	<0.02	<0.02		<0.02			
4/12/2017			<0.02				
9/26/2017					0.0039 (J)		
9/27/2017						0.0048 (J)	0.0036 (J)
10/5/2017		0.0024 (J)					
10/6/2017	<0.02		0.0024 (J)	<0.02			
3/15/2018					<0.02	<0.02	<0.02
3/22/2018		<0.02					
3/23/2018	<0.02		<0.02	<0.02			
9/12/2018					<0.02		
9/13/2018						<0.02	<0.02
9/19/2018		<0.02	<0.02	<0.02			
9/20/2018	<0.02						
3/14/2019					0.0039 (J)	<0.02 (D)	0.0022 (JD)
3/22/2019	0.0048 (J)	<0.02		<0.02			
3/25/2019			0.0039 (J)				
9/11/2019					0.0068 (J)	0.0065 (JD)	0.0058 (JD)
9/17/2019		0.0057 (X)	0.0066 (J)	0.0048 (X)			
9/18/2019	0.0091 (X)						
3/10/2020					0.0049 (J)	0.0031 (J)	0.0035 (J)
3/13/2020		0.0028 (J)	0.0057 (J)	0.0026 (J)			
3/17/2020	0.0057 (J)						
9/11/2020						<0.02	<0.02
9/15/2020					0.0062 (J)		
9/21/2020		<0.02	0.0036 (J)	<0.02			
9/22/2020	<0.02						
3/11/2021					0.004 (J)	<0.02	<0.02
3/18/2021		<0.02	<0.02	<0.02			
3/19/2021	<0.02						
8/4/2021					<0.02		
8/6/2021						<0.02	<0.02
8/11/2021		<0.02	<0.02	<0.02			
8/12/2021	<0.02						
1/31/2022					<0.02		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.02	<0.02
2/4/2022	<0.02	<0.02	<0.02				
2/7/2022				<0.02			
8/12/2022						<0.02	<0.02
8/15/2022					<0.02		
8/18/2022		<0.02					
8/19/2022	<0.02		<0.02	<0.02			
2/14/2023					<0.02	<0.02	<0.02
2/22/2023	<0.02	<0.02	<0.02	<0.02			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.016
10/25/2007							0.061
11/19/2007							0.053
1/23/2008							0.14
3/11/2008							0.13
5/12/2008							0.11
12/11/2008							0.04 (J)
4/15/2009							0.11
10/9/2009							0.15
5/4/2010							0.077
10/12/2010							0.077
4/28/2011							0.032
10/19/2011							0.11
5/2/2012							0.138
10/9/2012							0.097
4/11/2013							0.047
10/16/2013							0.098
4/23/2014							0.066
10/3/2014							0.13 (V)
3/31/2015							0.05
10/12/2015							0.048
3/10/2016	0.00337 (J)	0.027	0.0154	0.00618 (J)			
3/17/2016					<0.02	<0.02	
3/28/2016							0.0534
5/17/2016	0.00268 (J)			0.00672 (J)			
5/18/2016		0.0277	0.0136		<0.02	0.00208 (J)	
7/26/2016	<0.02 (*)						
7/27/2016		0.0221	0.0153	<0.02 (*)	<0.02 (*)		
7/28/2016						<0.02 (*)	
8/1/2016							0.055
9/20/2016	0.0058 (J)	0.03	0.0173	0.0081 (J)			
9/21/2016					<0.02	0.0079 (J)	
11/4/2016	0.0029 (J)		0.0149	0.0071 (J)	<0.02		
11/7/2016		0.0202				<0.02 (*)	
1/20/2017	<0.02		0.0134				
1/23/2017		0.0156		<0.02			
1/24/2017					<0.02	0.0053 (J)	
3/28/2017	<0.02 (*)			<0.02 (*)			
3/29/2017		<0.036 (*)	<0.01 (*)		<0.02 (*)		
3/30/2017						<0.02 (*)	
4/3/2017							0.0436
9/27/2017		0.0196	0.0111				
9/29/2017	0.0016 (J)			0.0055 (J)	<0.02	0.004 (J)	
10/3/2017							0.0393
12/28/2017		0.0315 (Y)					
3/15/2018	<0.02	<0.036		<0.02	<0.02	<0.02	
3/16/2018			0.012				
3/19/2018							<0.034
9/13/2018	<0.02	0.031	<0.01	<0.02	<0.02		
9/14/2018						<0.02	
9/17/2018							0.03
3/15/2019		0.051		0.0058 (J)			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/18/2019	<0.02				<0.02		
3/19/2019			0.016			0.0034 (J)	
3/20/2019							0.032
9/11/2019	0.0055 (J)		0.028	0.011 (D)	0.005 (J)	0.0085 (J)	
9/12/2019		0.035					
9/16/2019							0.035
3/9/2020		0.044	0.032	0.0079 (J)		0.0047 (J)	
3/10/2020	0.0029 (J)						
3/11/2020					0.0036 (J)		
3/16/2020							0.047
9/11/2020					<0.02		
9/14/2020	<0.02	0.032		0.0076 (J)		0.0042 (J)	
9/15/2020			0.028				
9/16/2020							0.033
3/11/2021	<0.02	0.047	0.028	0.0088 (J)			
3/15/2021					<0.02	<0.02	
3/17/2021							0.027
8/4/2021				<0.02			
8/5/2021	<0.02	0.037	0.024			<0.02	
8/9/2021							0.036
8/11/2021					<0.02		
1/31/2022	<0.02			<0.02			
2/1/2022		0.038	0.029		<0.02	<0.02	
2/2/2022							0.034
8/15/2022	<0.02	0.027 (J)	0.04	0.0094 (J)	<0.02	<0.02	
8/16/2022							0.03
2/14/2023	<0.02	0.05	0.031	0.011 (J)	<0.02	<0.02	
2/20/2023							0.032

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.04 (O)					
8/23/2007						0.011
10/25/2007	0.0062					
11/1/2007						0.012
11/19/2007						0.026 (J)
11/20/2007	0.03 (O)					
1/15/2008						0.075 (O)
1/23/2008	0.048 (O)					
3/6/2008						0.051 (O)
3/11/2008	0.016					
5/13/2008						0.0084
5/14/2008	0.02					
12/11/2008	0.021					
12/12/2008						0.077 (O)
4/16/2009						0.064 (O)
4/23/2009	0.0058 (J)					
10/9/2009	0.055 (O)					
10/13/2009						0.013
4/21/2010						0.0035
5/4/2010	0.045 (O)					
9/29/2010						0.0085
10/11/2010	0.015					
4/13/2011						0.0028
4/26/2011	0.0067					
10/5/2011						0.0038
10/18/2011	0.0055			0.0032		
4/4/2012						0.0126
4/30/2012				<0.02		
5/2/2012	<0.02					
10/3/2012				0.0034		
10/8/2012	0.0043					0.0043
4/8/2013				0.0039		0.0068
4/10/2013	0.0067					
10/8/2013	0.0091					
10/9/2013				0.0078		0.0082
4/9/2014						0.0043
4/10/2014				0.0064		
4/14/2014	0.0063					
9/30/2014						0.0029
10/2/2014				0.0009 (JV)		
10/3/2014	0.0065 (V)					
4/1/2015	0.0059					
4/2/2015						0.0056
4/3/2015				<0.02		
5/26/2015		0.0035			0.0017 (J)	
6/18/2015		0.0025 (D)			0.0052 (D)	
7/2/2015		0.0018 (J)			0.0027	
10/8/2015				0.013	<0.02	
10/9/2015	<0.02	0.0019 (J)				
10/10/2015						0.0065 (D)
3/22/2016					0.00459 (J)	
3/29/2016	<0.02	0.00345 (J)				

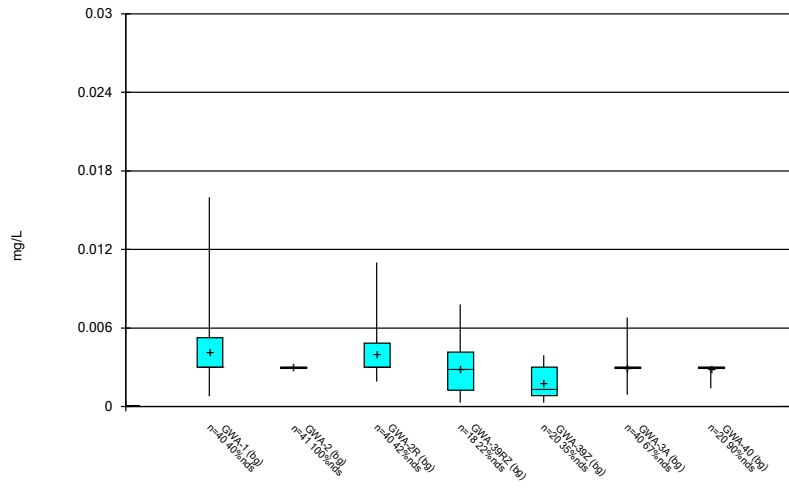
Time Series

Constituent: Zinc (mg/L) Analysis Run 3/31/2023 12:13 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00323 (J)		0.00487 (J)
8/1/2016	<0.02	<0.02				
8/2/2016			<0.02	<0.02	<0.02	
8/5/2016						<0.02
4/6/2017	<0.02	<0.02	<0.02	<0.02		<0.02
4/7/2017					<0.02	
10/3/2017	<0.02	0.0014 (J)	<0.02		0.0022 (J)	0.0023 (J)
10/4/2017				<0.02		
3/19/2018	<0.02					
3/20/2018		<0.02	<0.02		<0.02	<0.02
3/21/2018				<0.02		
9/17/2018	<0.02	<0.02				
9/18/2018			<0.02	<0.02	<0.02	<0.02 (D)
3/21/2019	<0.02	<0.02	<0.02			0.0024 (J)
3/27/2019				<0.02		
5/6/2019					0.0024 (J)	
9/13/2019			0.0053 (J)			
9/16/2019	0.0058 (J)	0.0057 (J)		0.00525 (JD)	0.0065 (J)	0.0062 (J)
3/12/2020	0.0042 (J)	0.0032 (J)	0.0031 (J)	0.002 (J)		0.0045 (J)
3/16/2020					0.0073 (J)	
9/16/2020	<0.02	<0.02	<0.02			
9/17/2020				<0.02	<0.02	<0.02
3/17/2021	<0.02	<0.02	<0.02	<0.02		
3/18/2021					<0.02	<0.02
8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
8/17/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2/17/2023	<0.02	<0.02				
2/20/2023			<0.02		<0.02	
2/21/2023				<0.02		<0.02

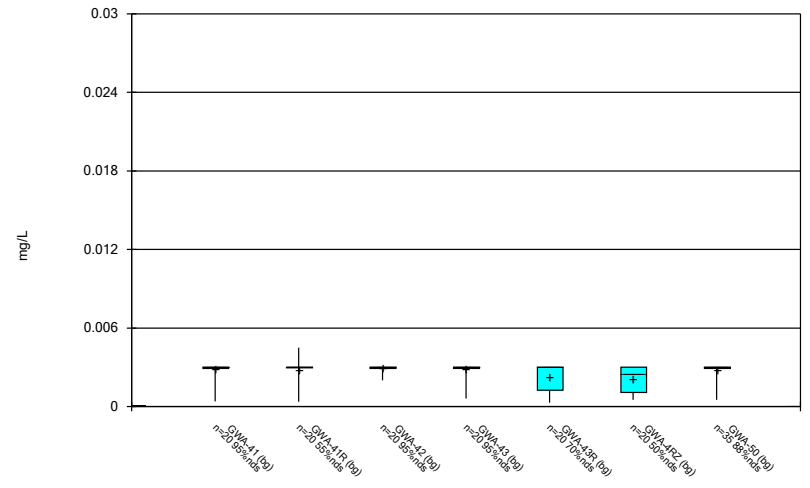
FIGURE B.

Box & Whiskers Plot



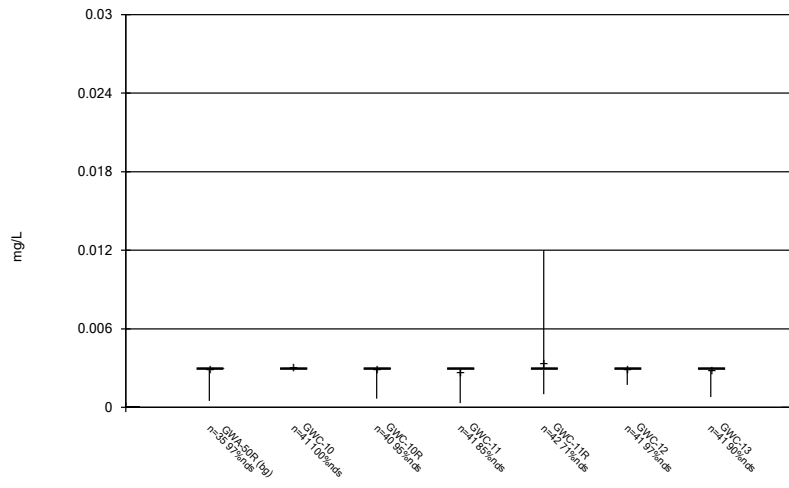
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



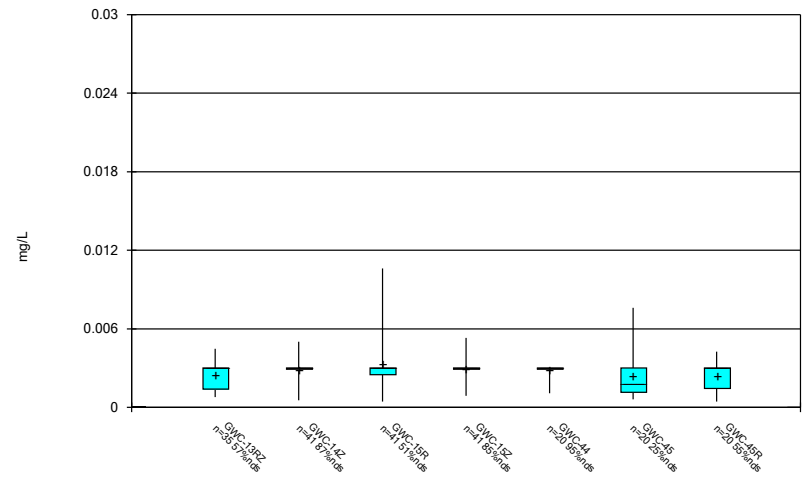
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



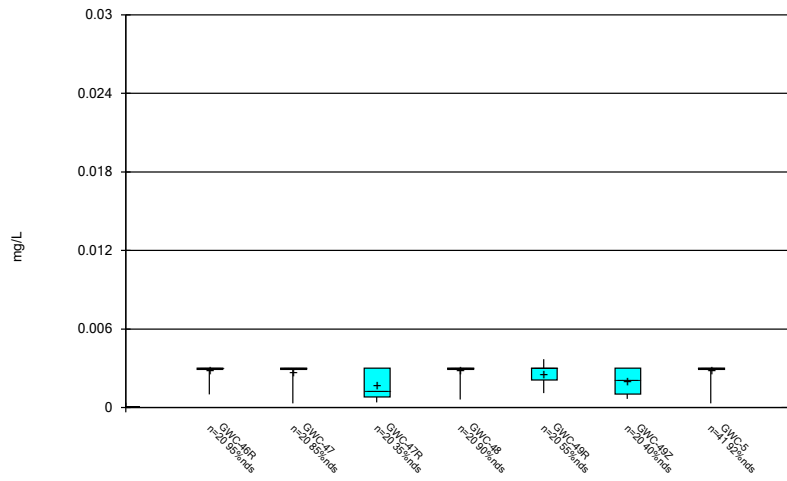
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



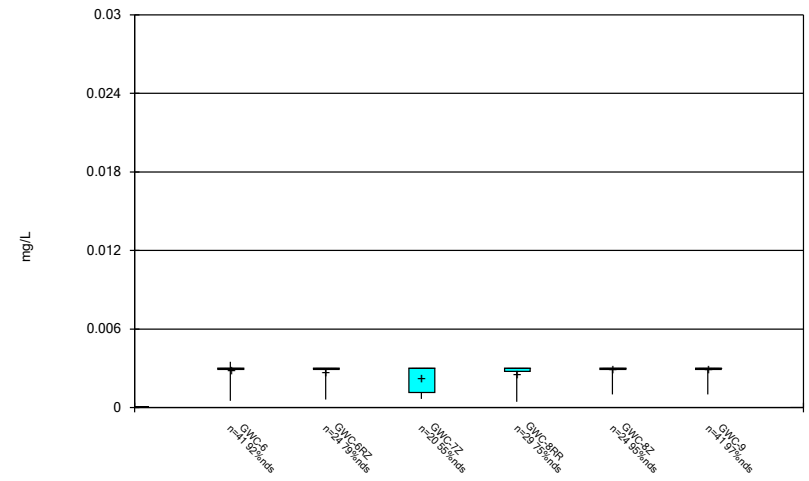
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



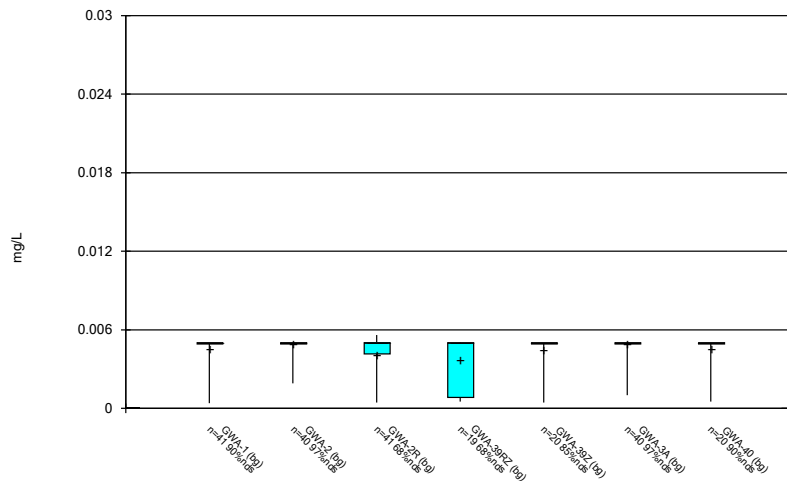
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



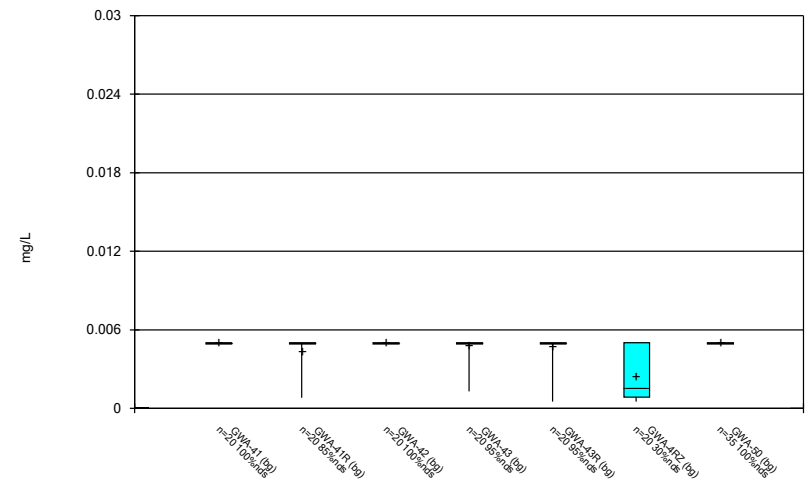
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



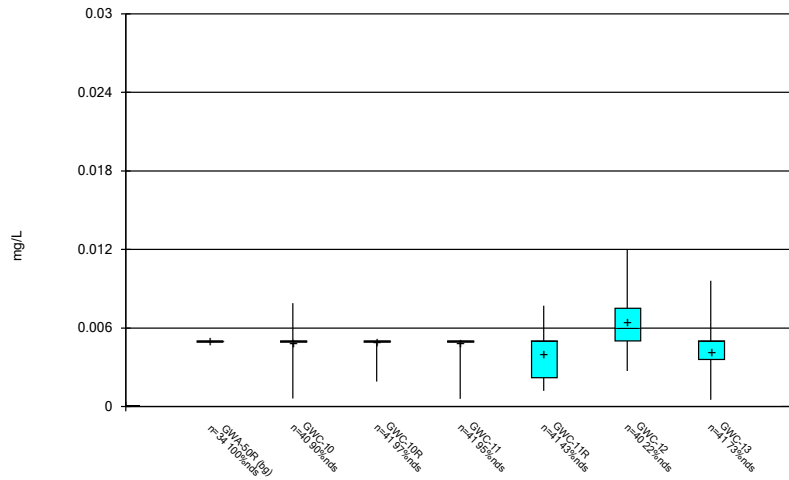
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



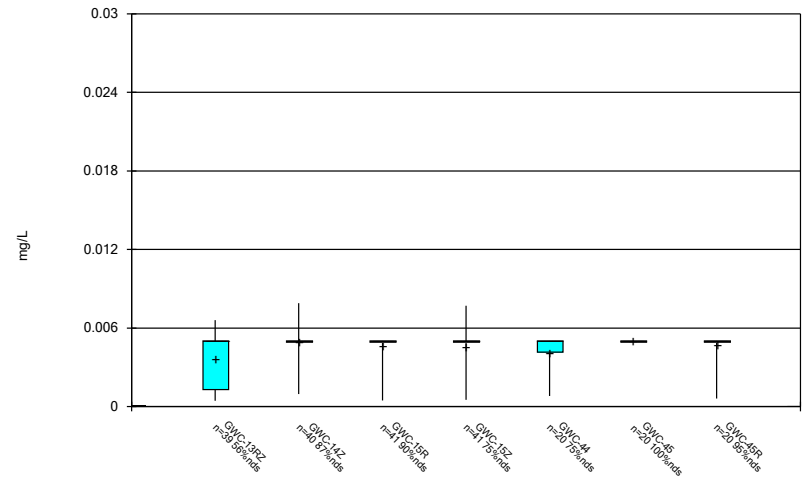
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



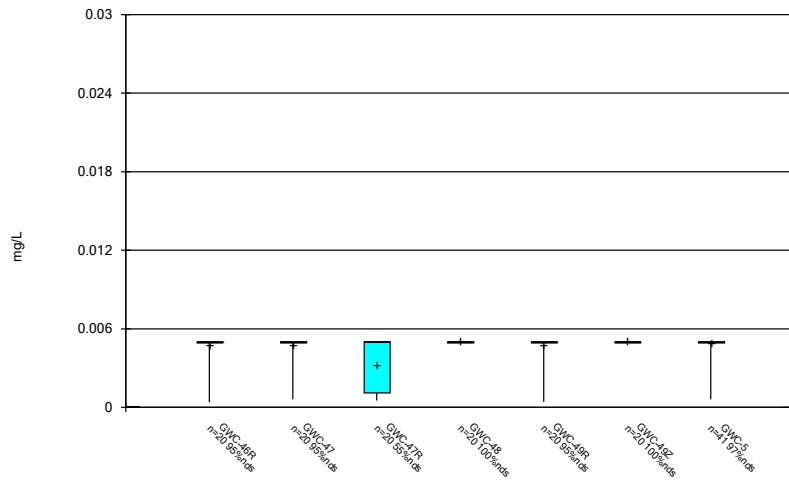
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



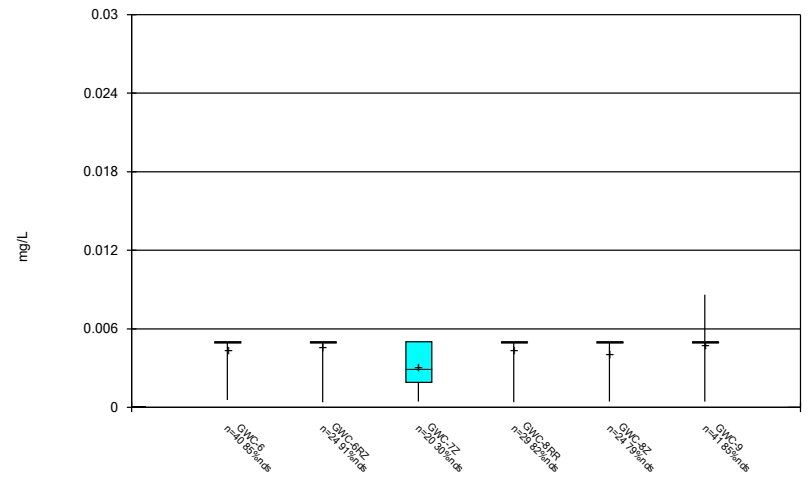
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



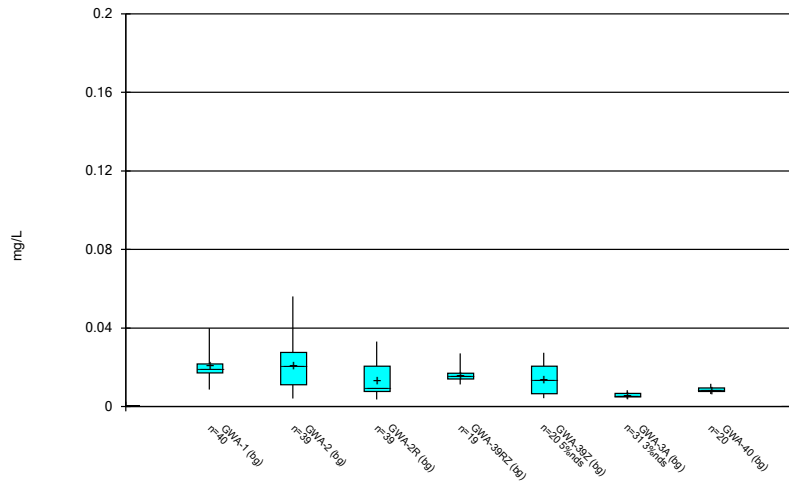
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



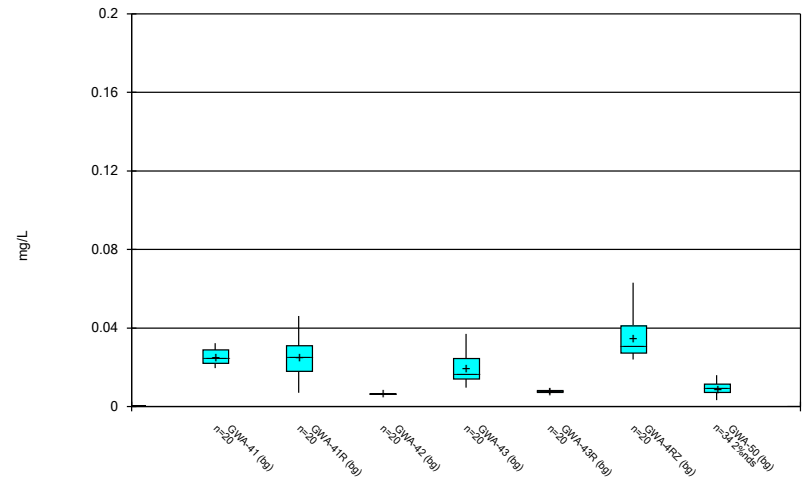
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



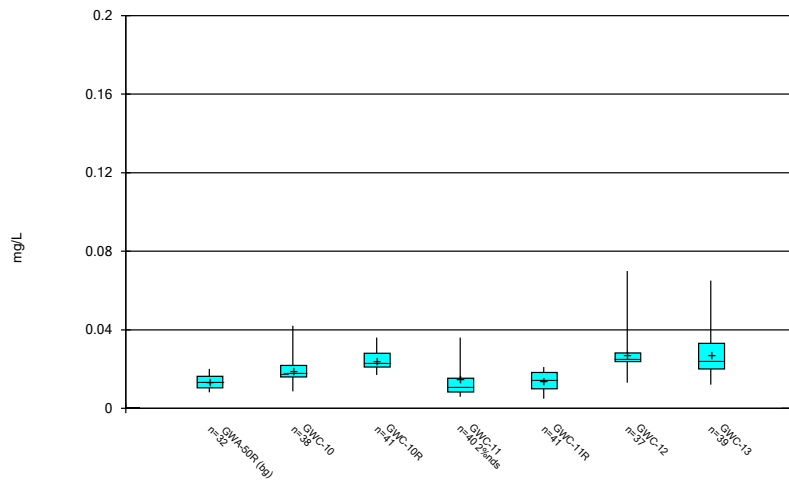
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



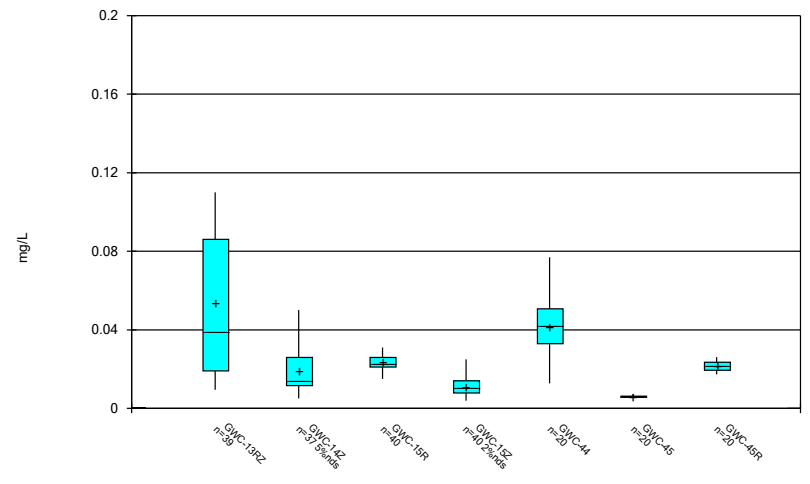
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



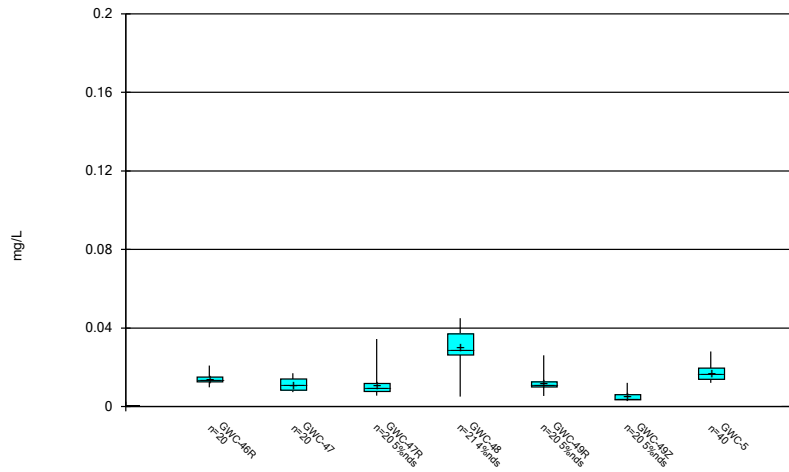
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



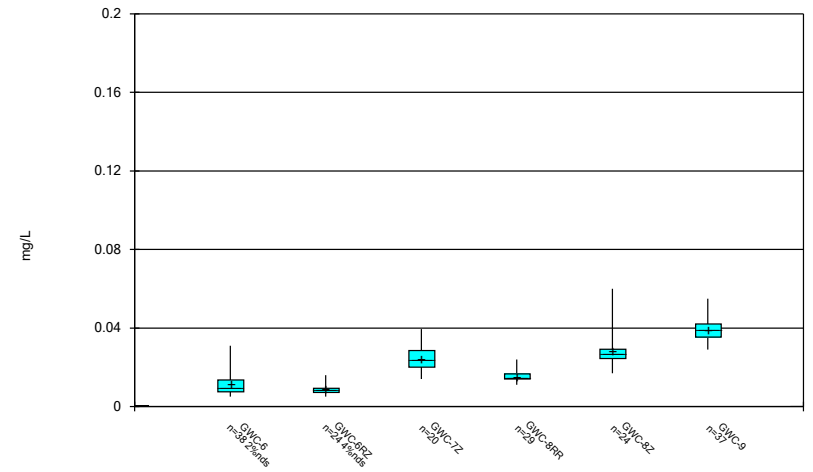
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



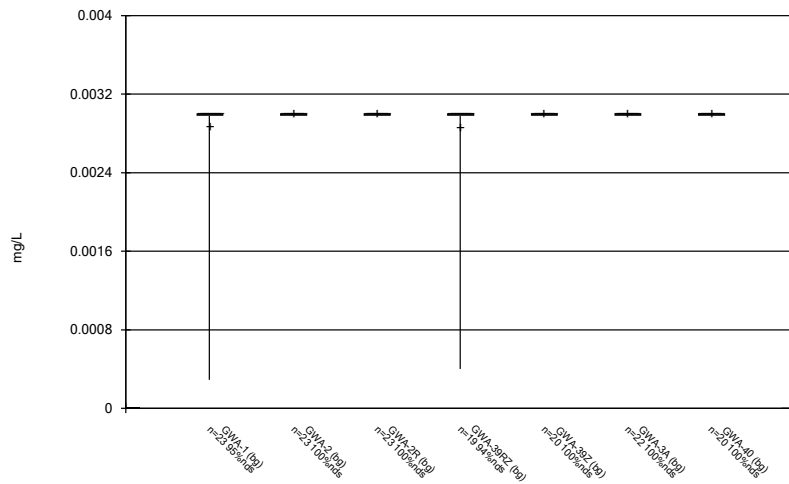
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



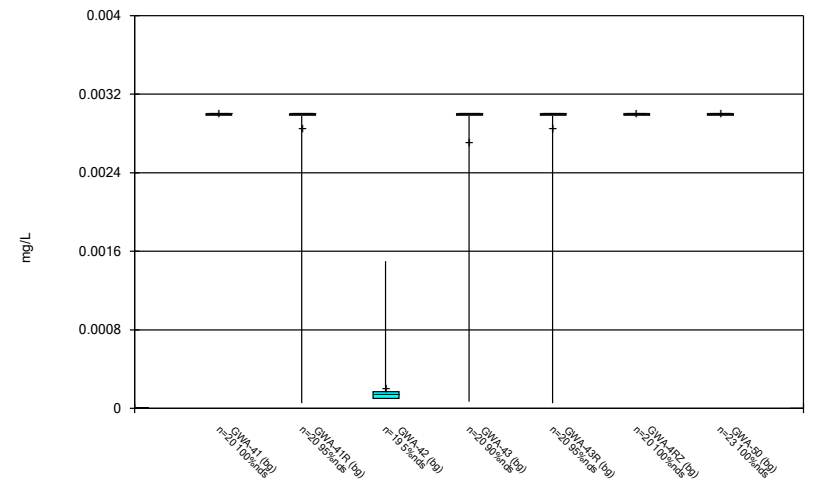
Constituent: Barium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



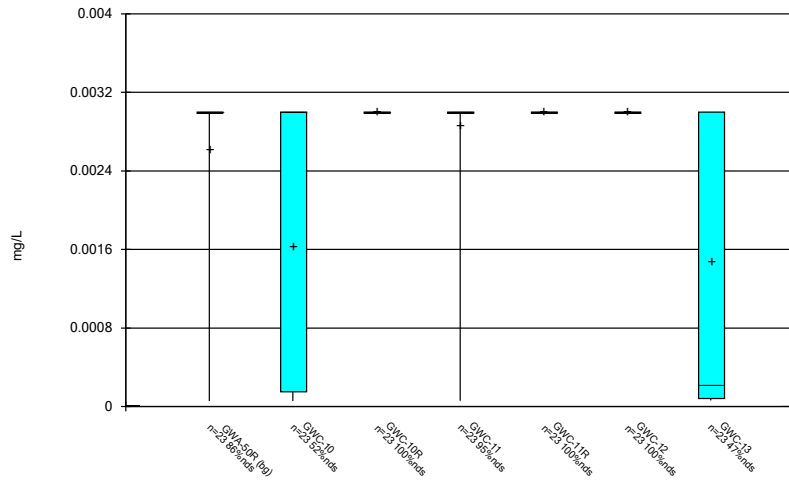
Constituent: Beryllium Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



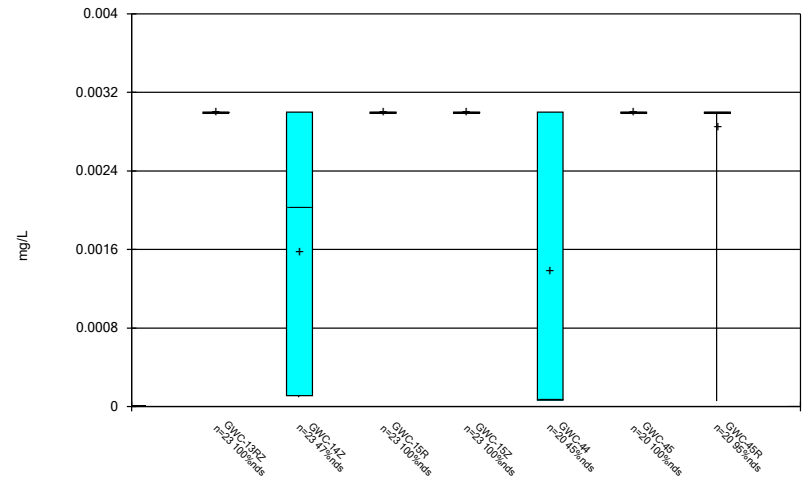
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



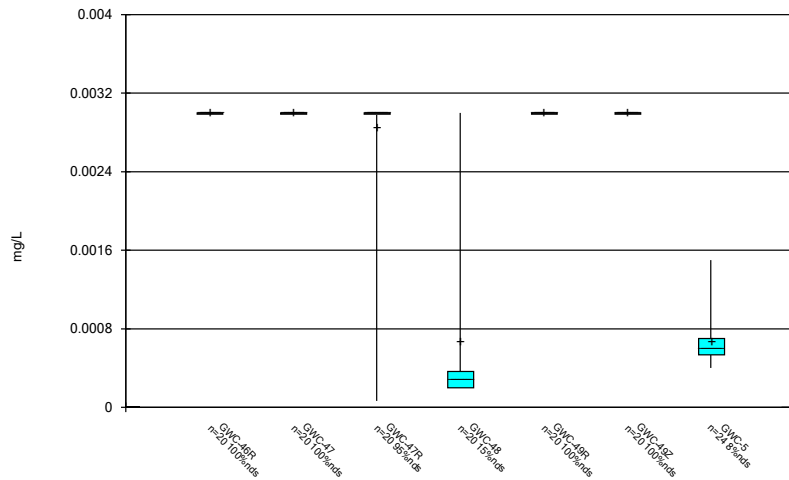
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



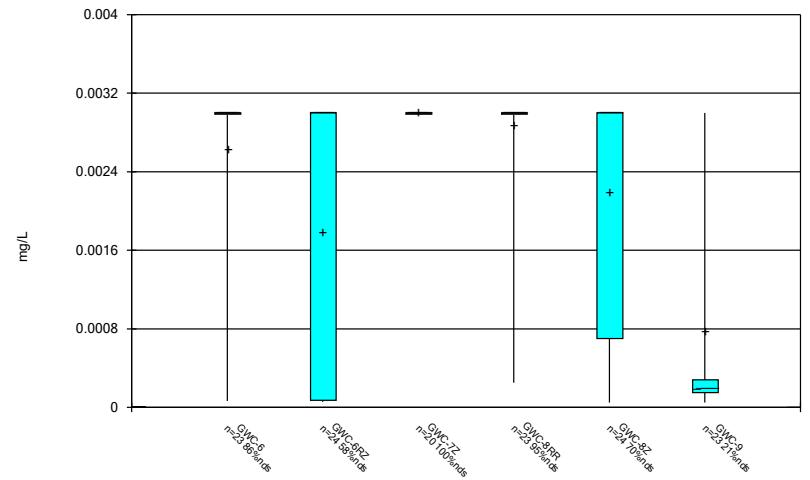
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



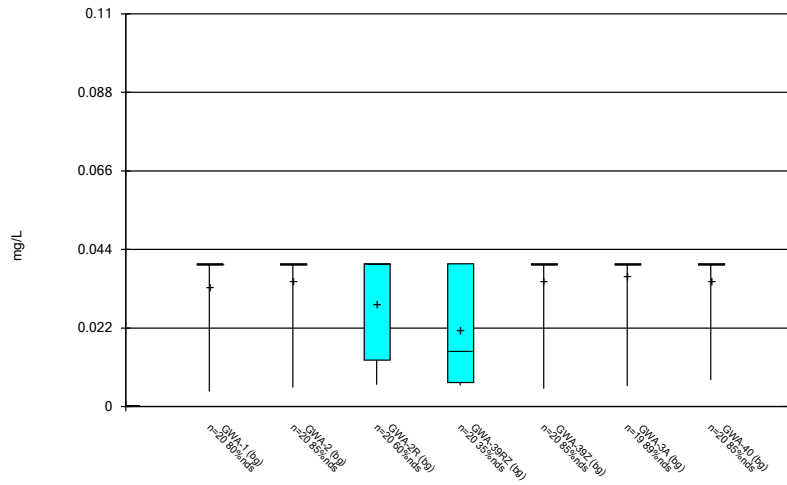
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



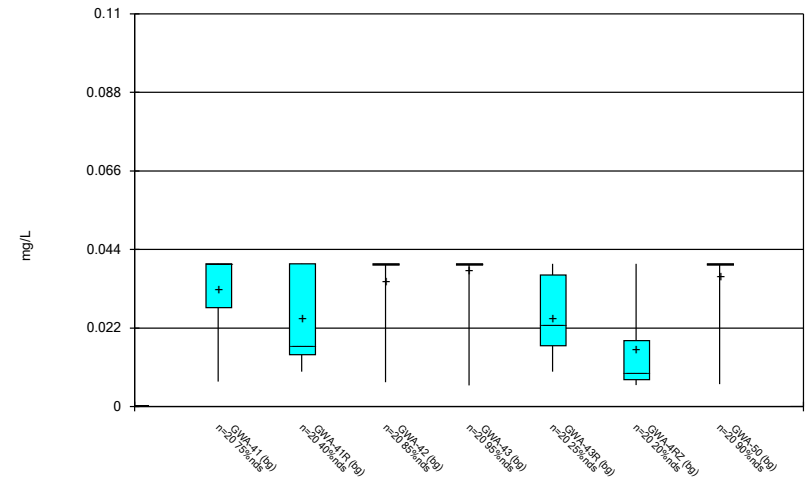
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



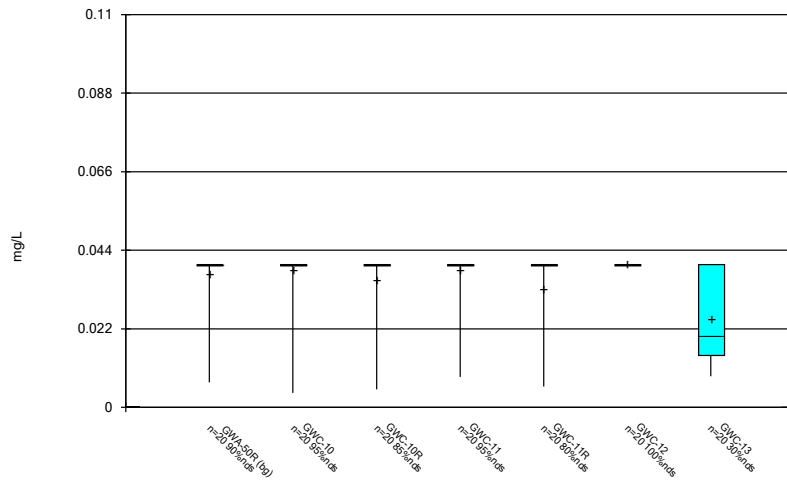
Constituent: Boron, total Analysis Run 3/31/2023 12:16 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



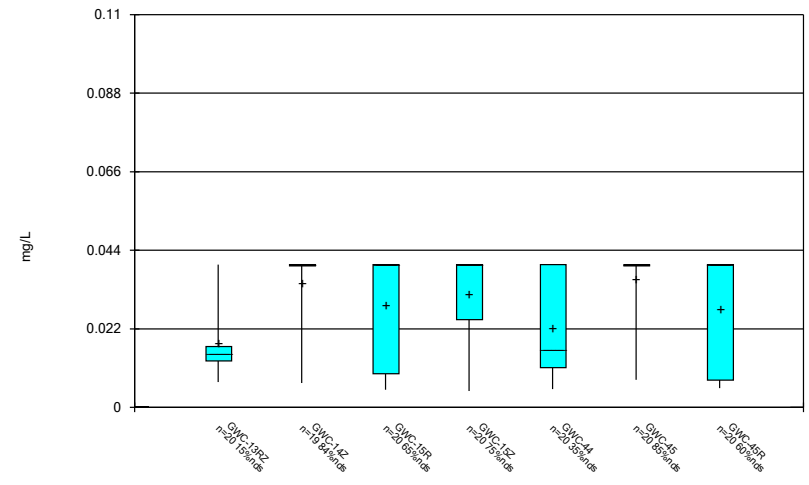
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



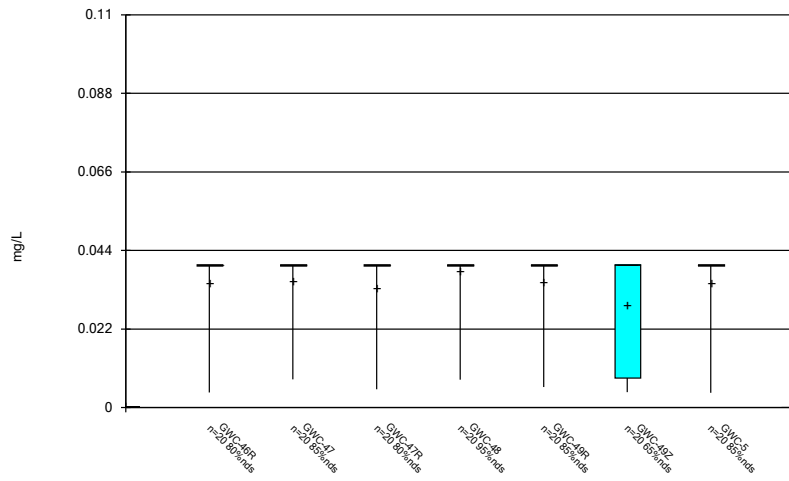
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Box & Whiskers Plot



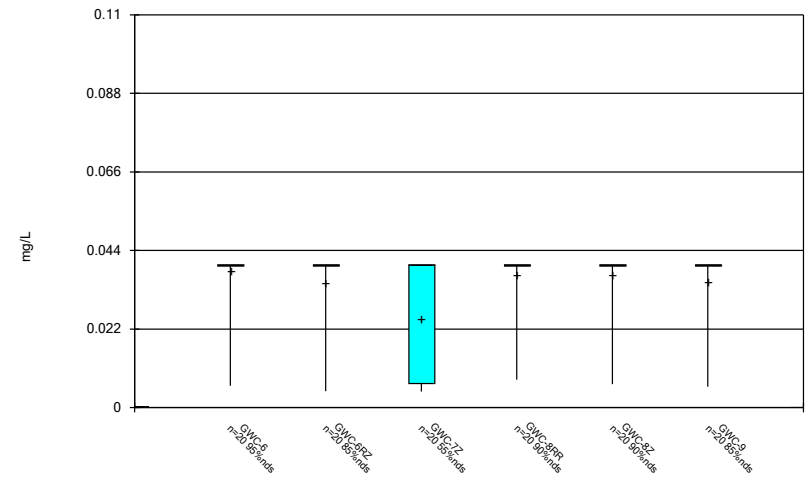
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Box & Whiskers Plot



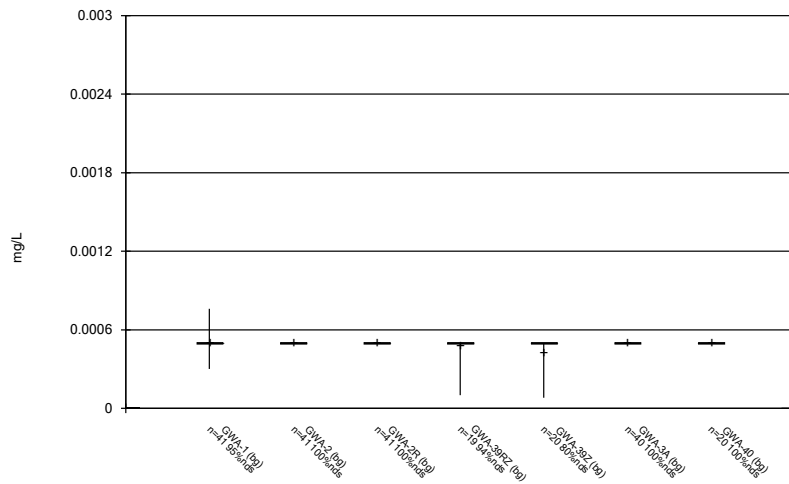
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Box & Whiskers Plot



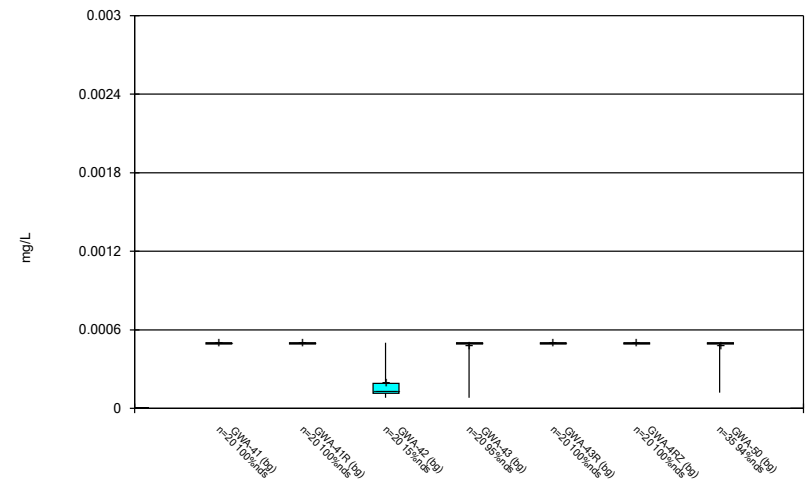
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Box & Whiskers Plot



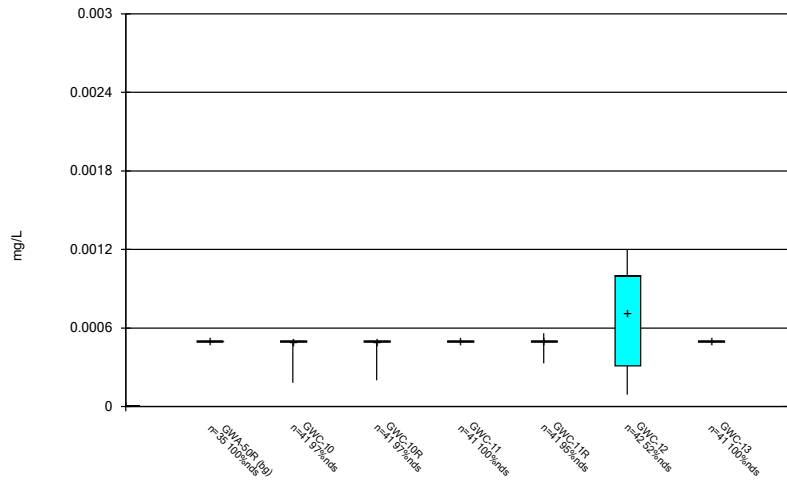
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Box & Whiskers Plot



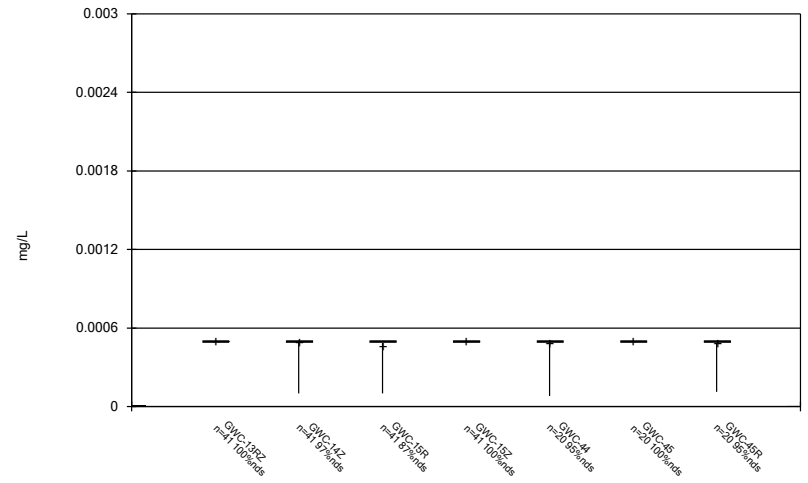
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Box & Whiskers Plot



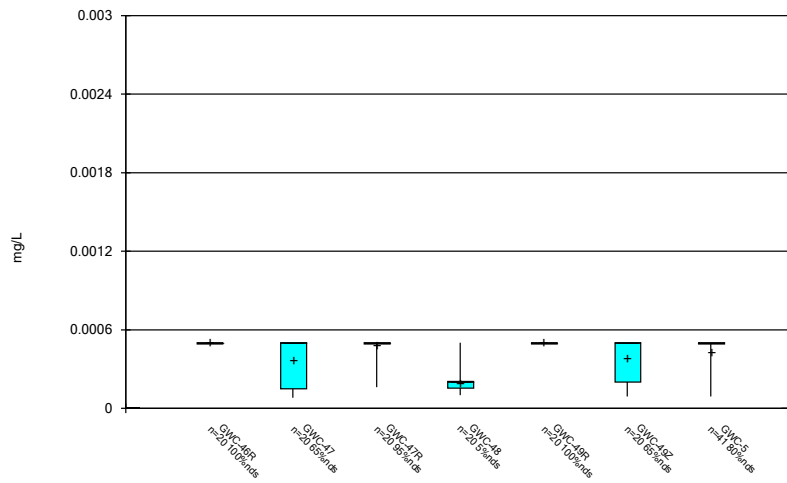
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Box & Whiskers Plot



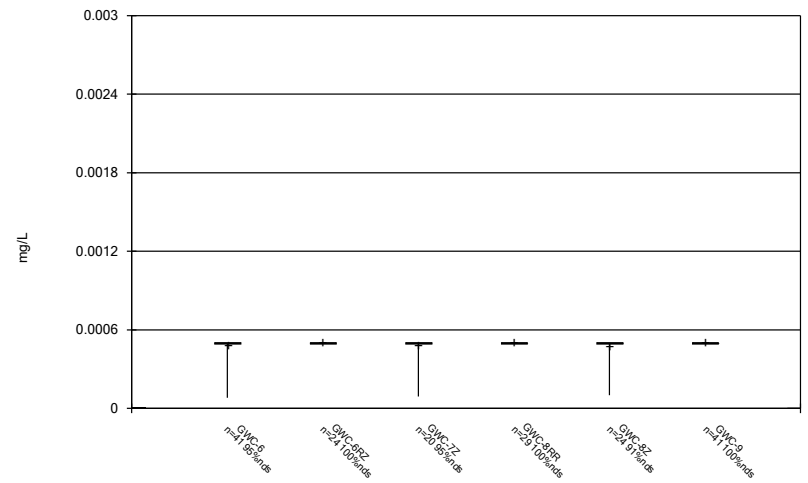
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Box & Whiskers Plot



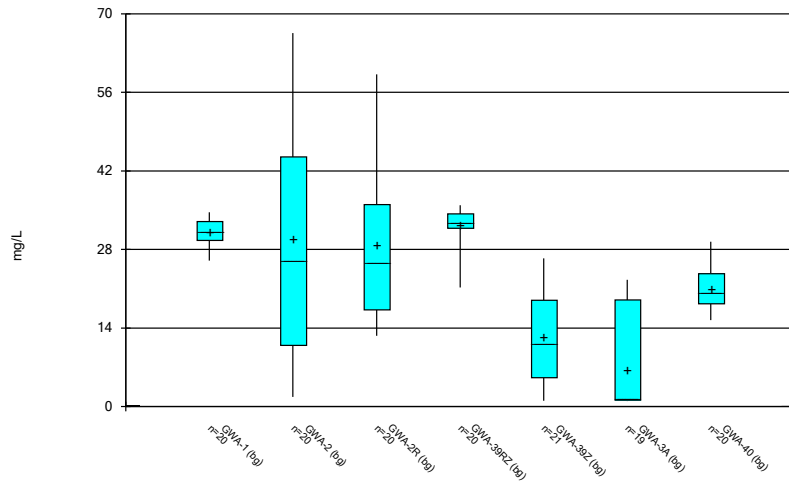
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Box & Whiskers Plot



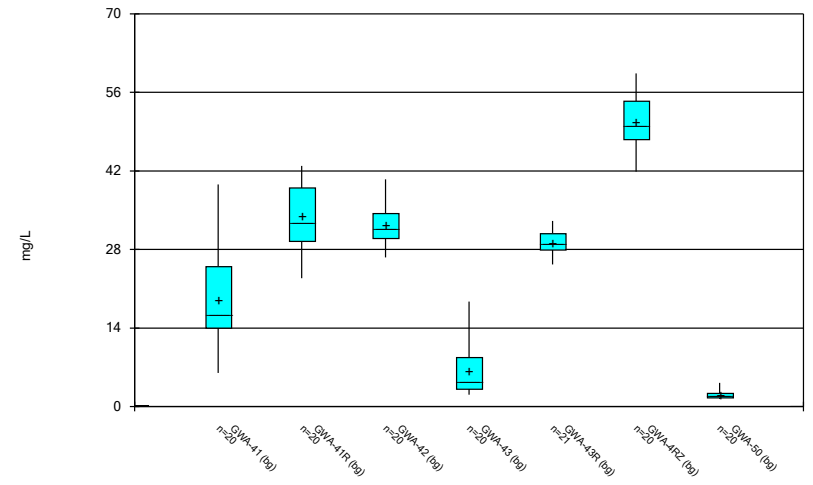
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Box & Whiskers Plot



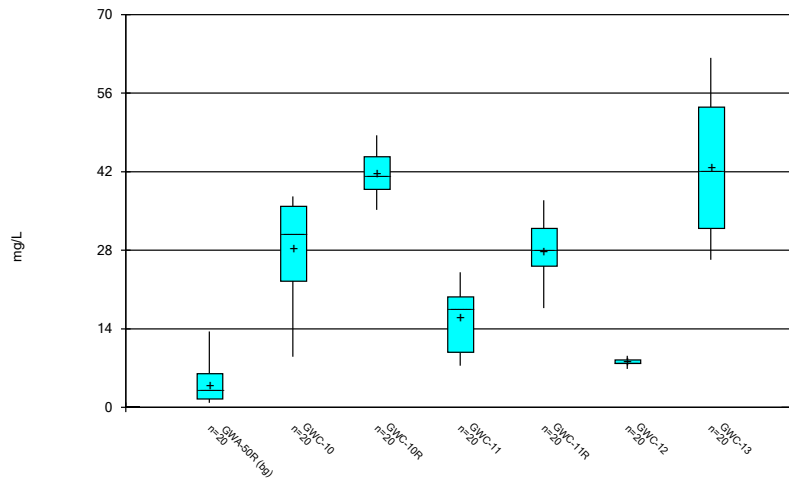
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Box & Whiskers Plot



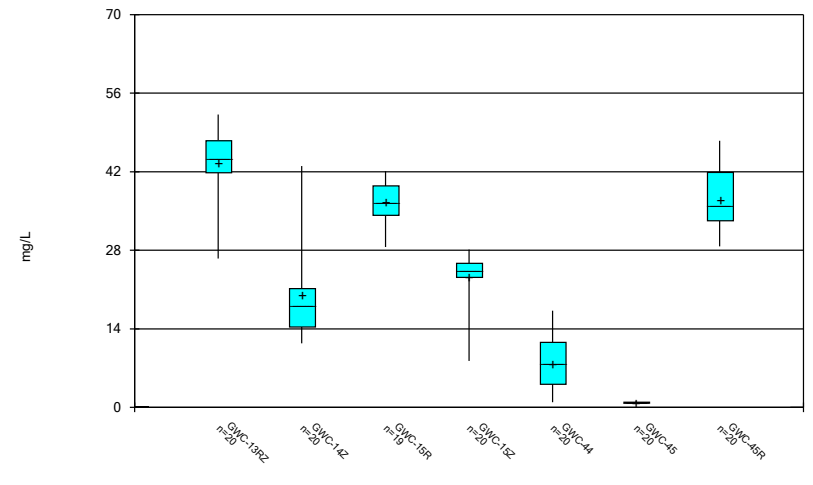
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Box & Whiskers Plot



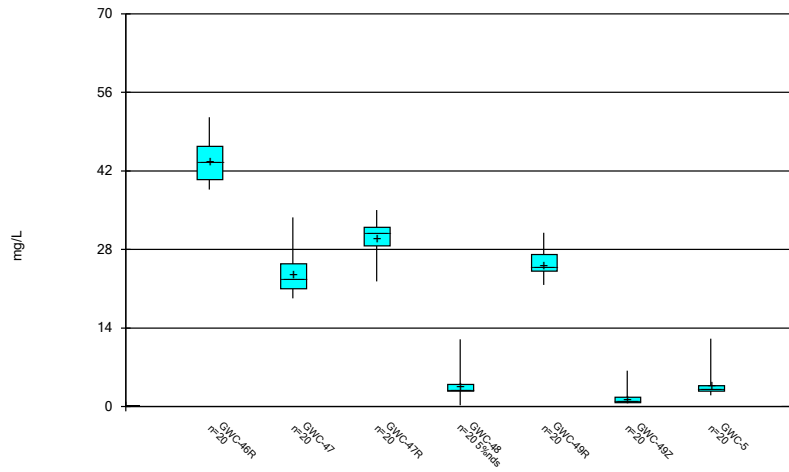
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Box & Whiskers Plot



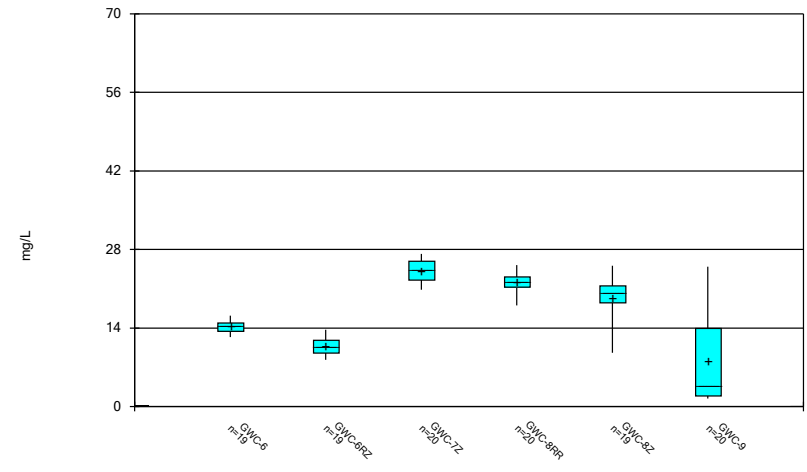
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Box & Whiskers Plot



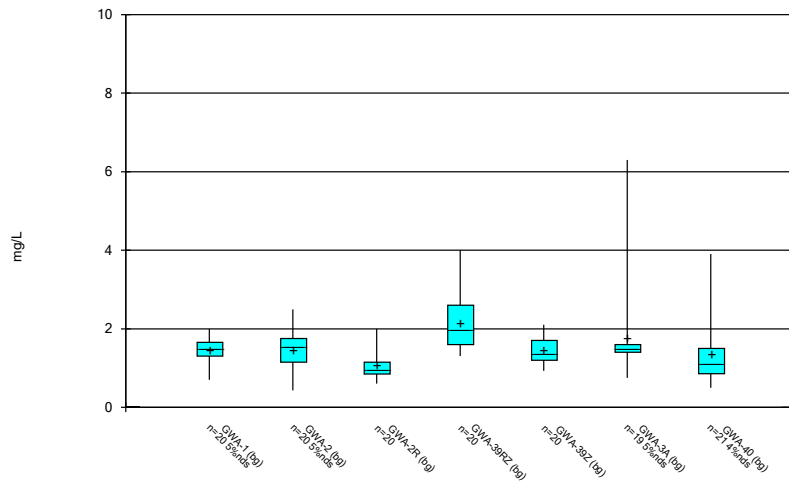
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Box & Whiskers Plot



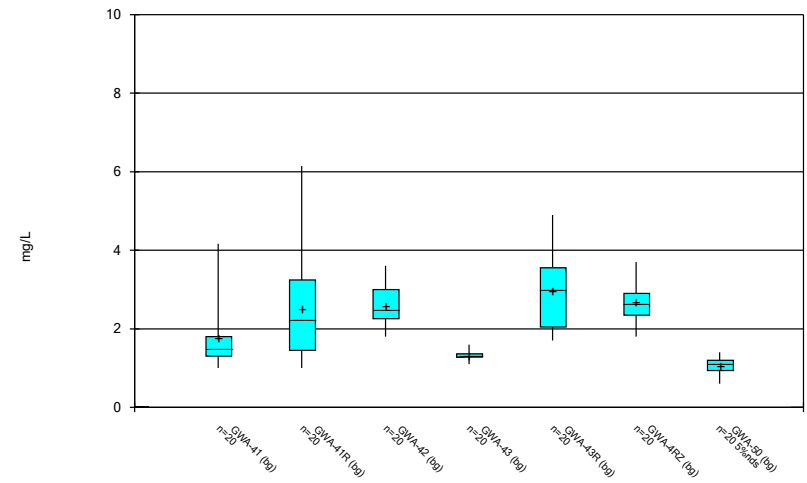
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



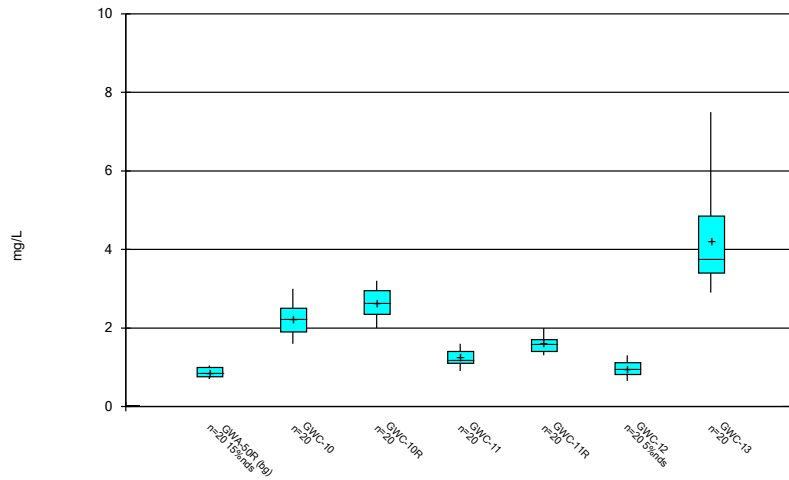
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



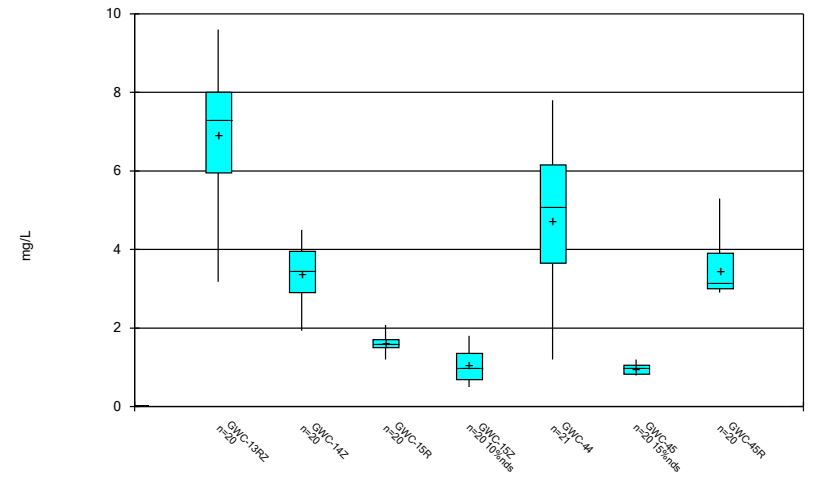
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Box & Whiskers Plot



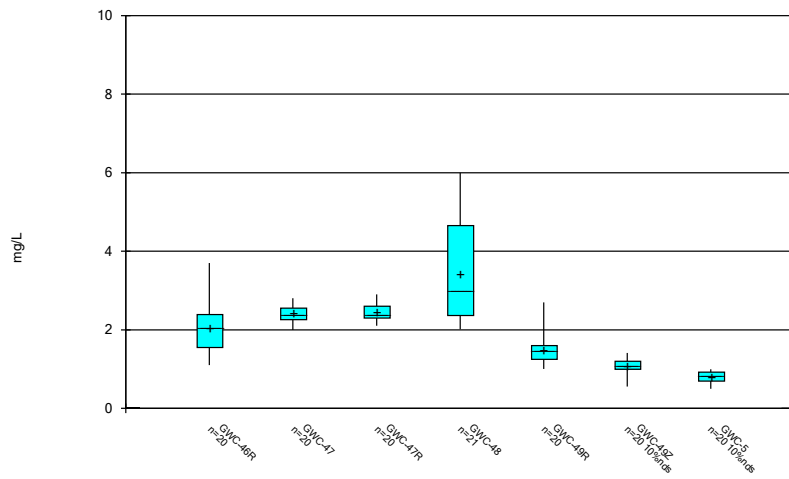
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Box & Whiskers Plot



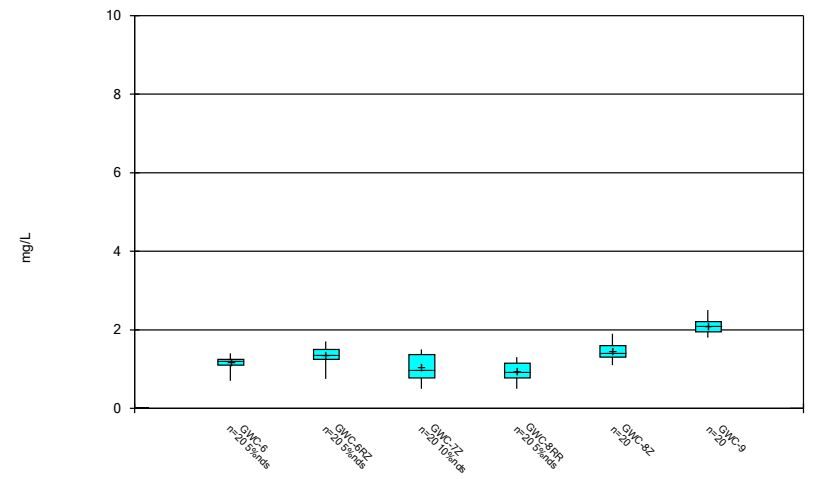
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Box & Whiskers Plot



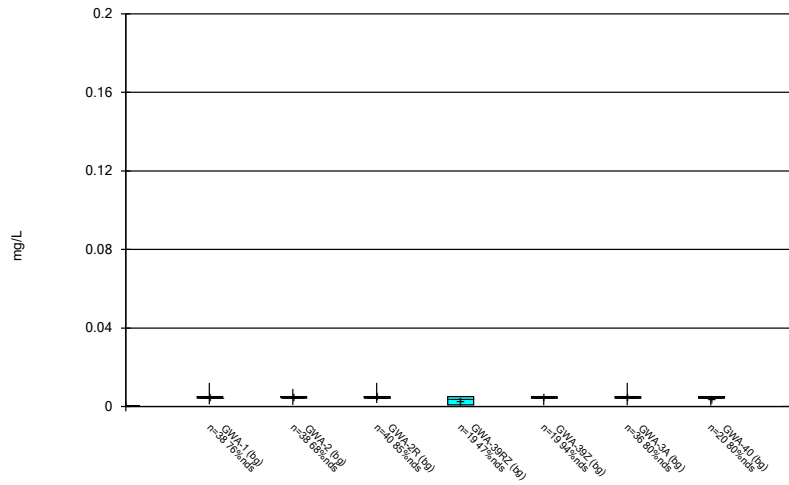
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Box & Whiskers Plot



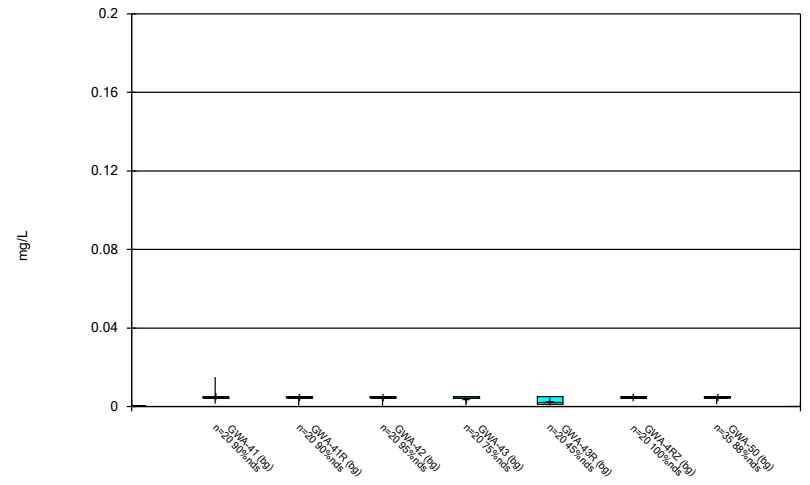
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Box & Whiskers Plot



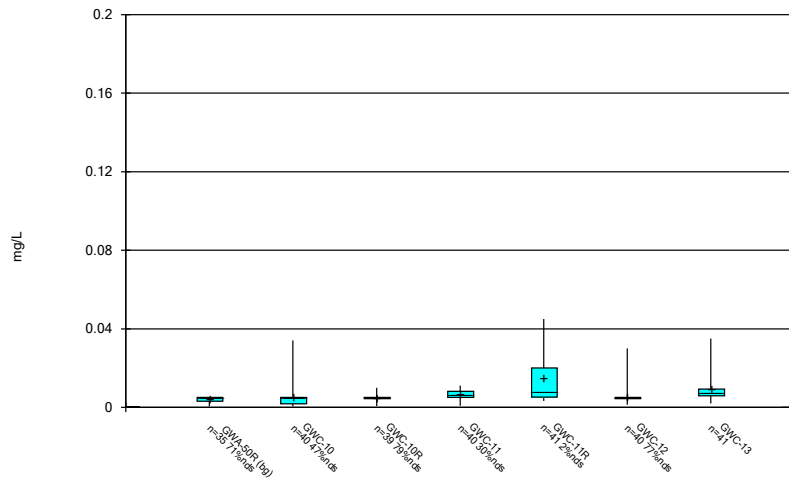
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Box & Whiskers Plot



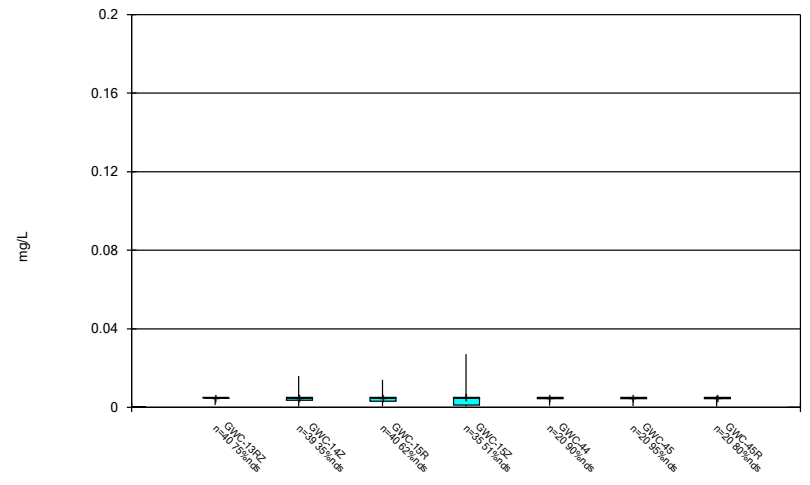
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Box & Whiskers Plot



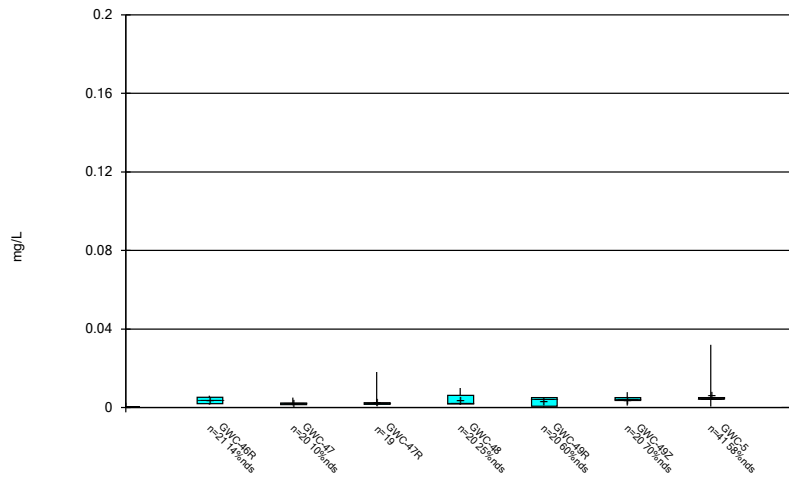
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Box & Whiskers Plot



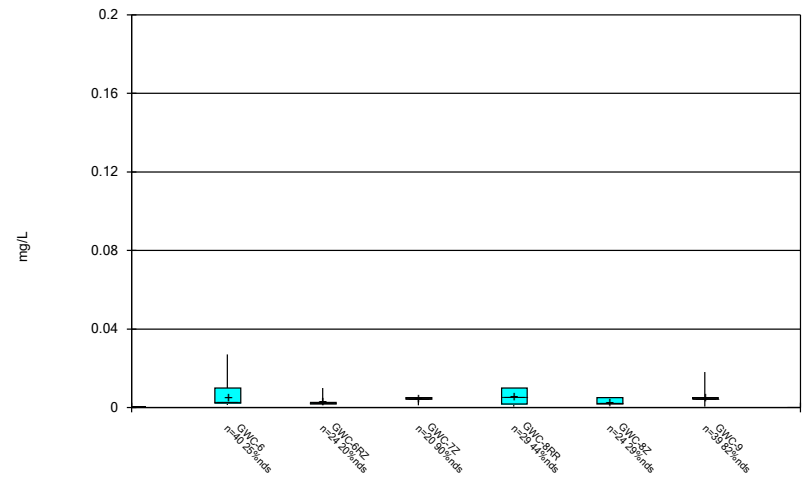
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Box & Whiskers Plot



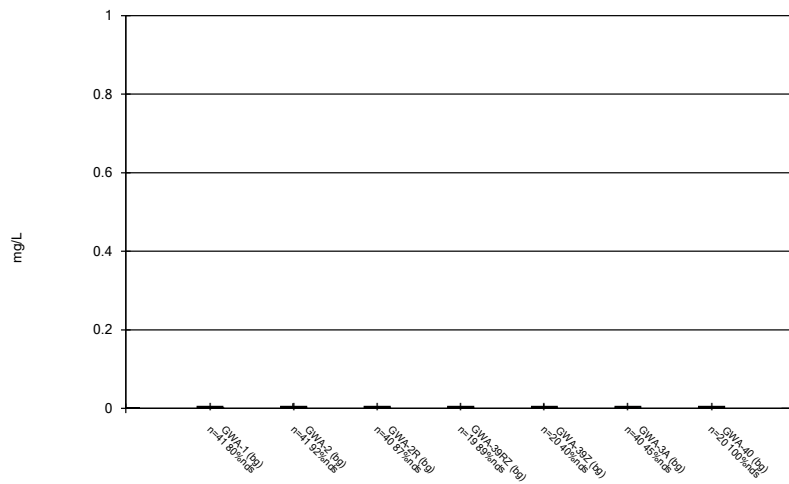
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Box & Whiskers Plot



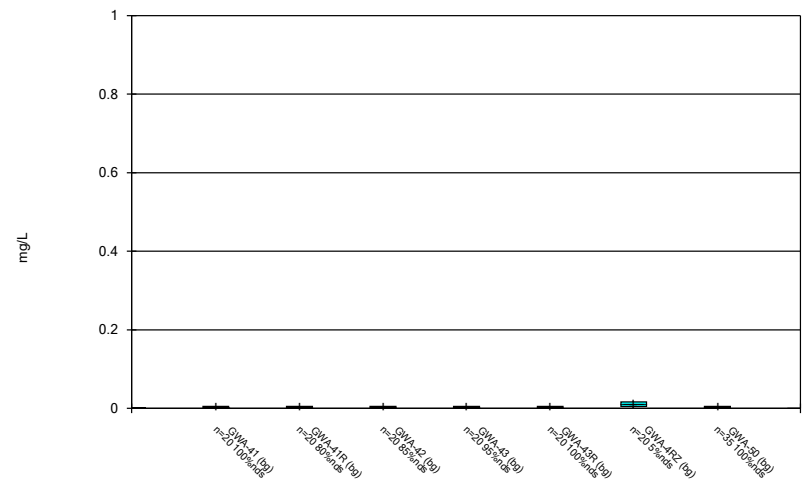
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Box & Whiskers Plot



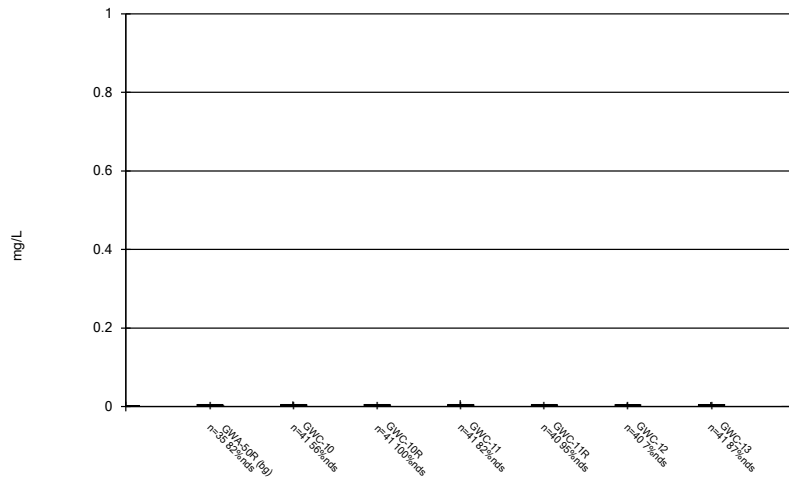
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Box & Whiskers Plot



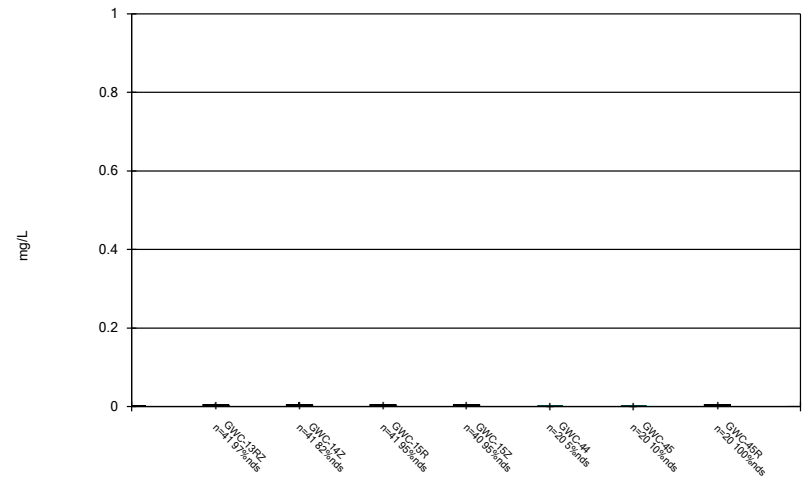
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Box & Whiskers Plot



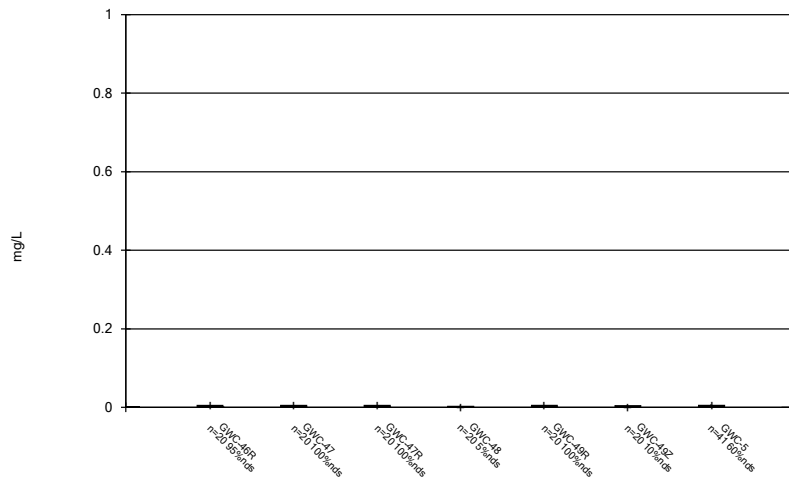
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Box & Whiskers Plot



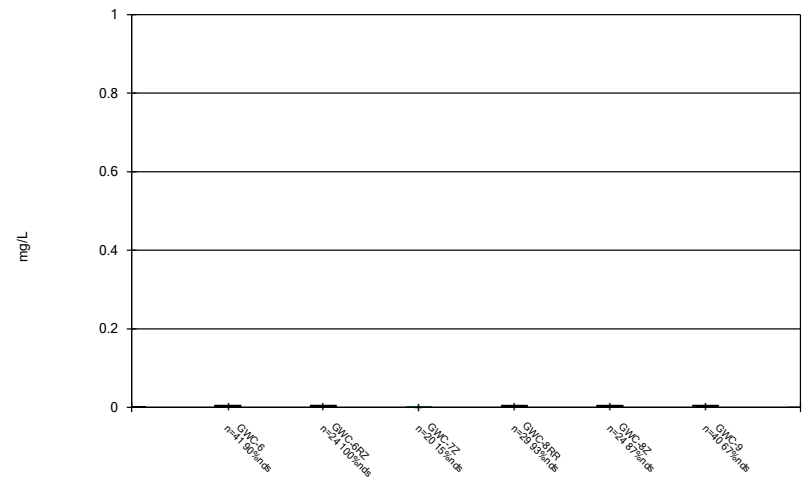
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Box & Whiskers Plot



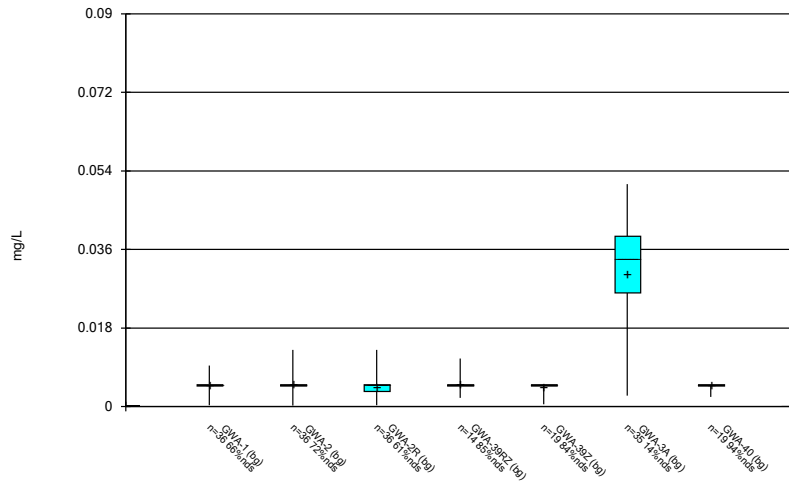
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Box & Whiskers Plot



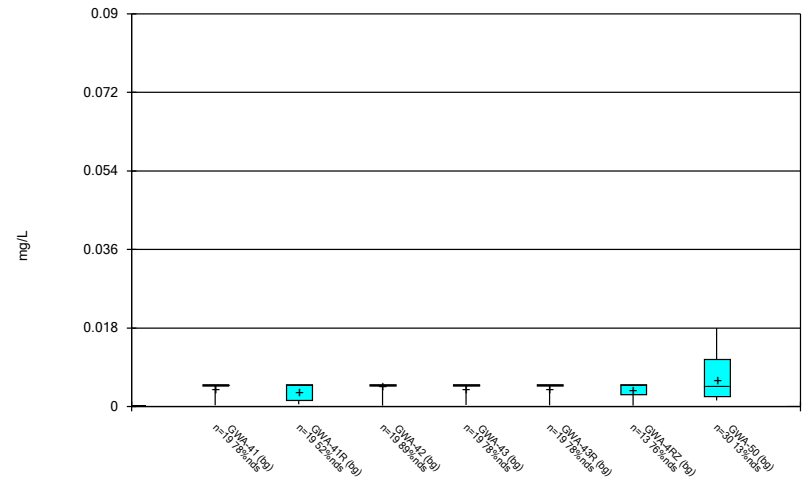
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Box & Whiskers Plot



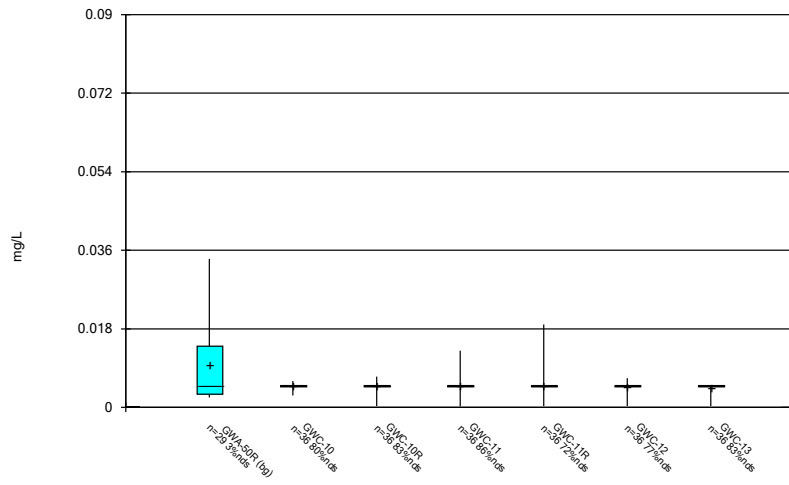
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Box & Whiskers Plot



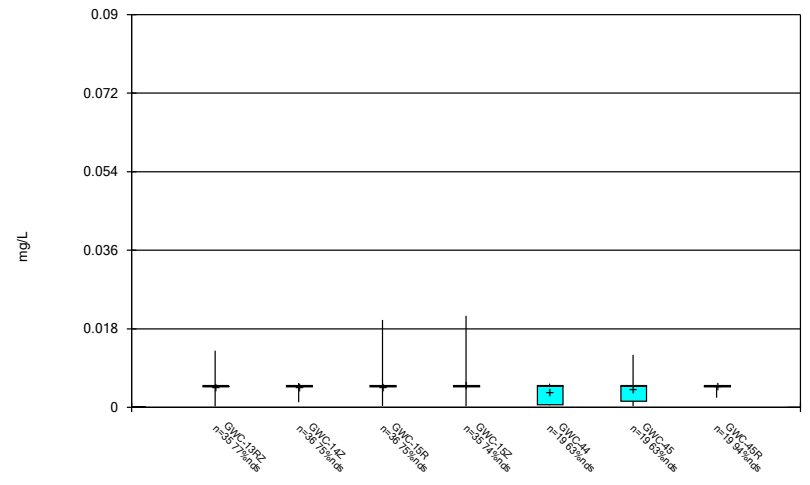
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Box & Whiskers Plot



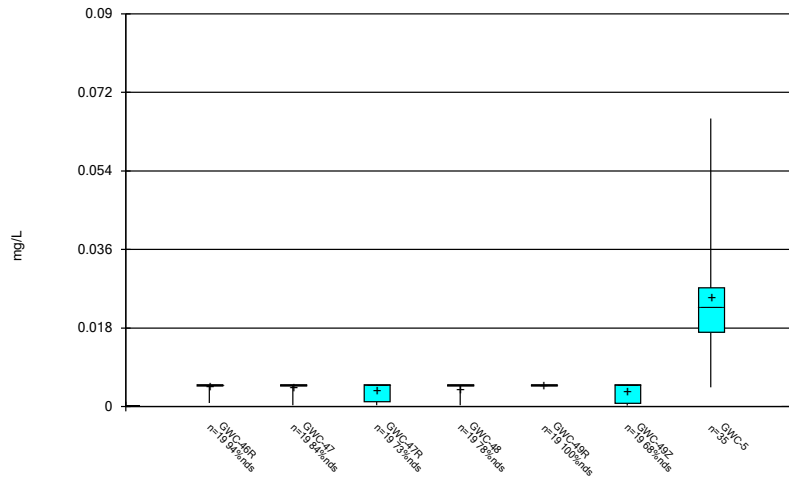
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Box & Whiskers Plot



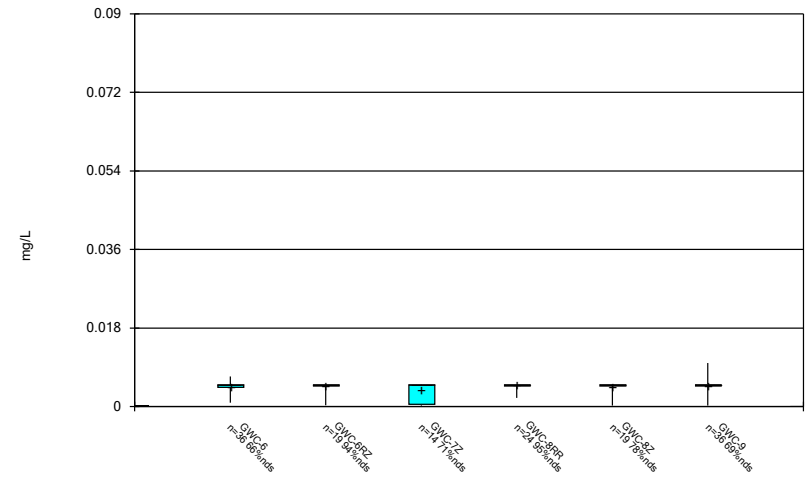
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Box & Whiskers Plot



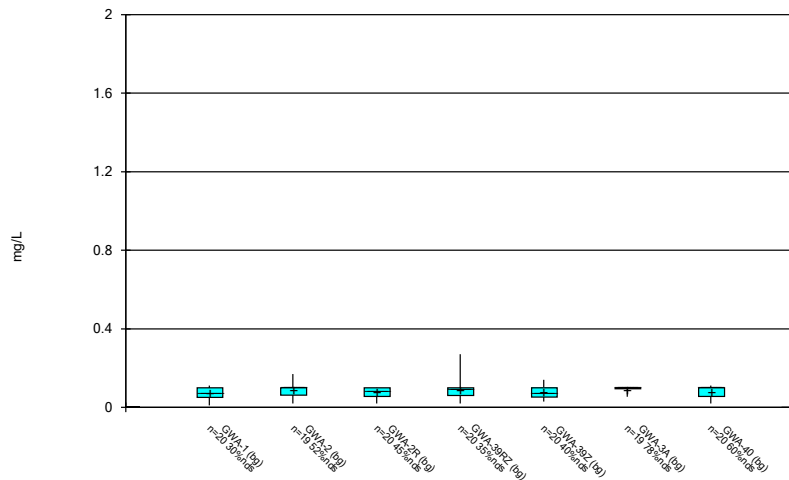
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Box & Whiskers Plot



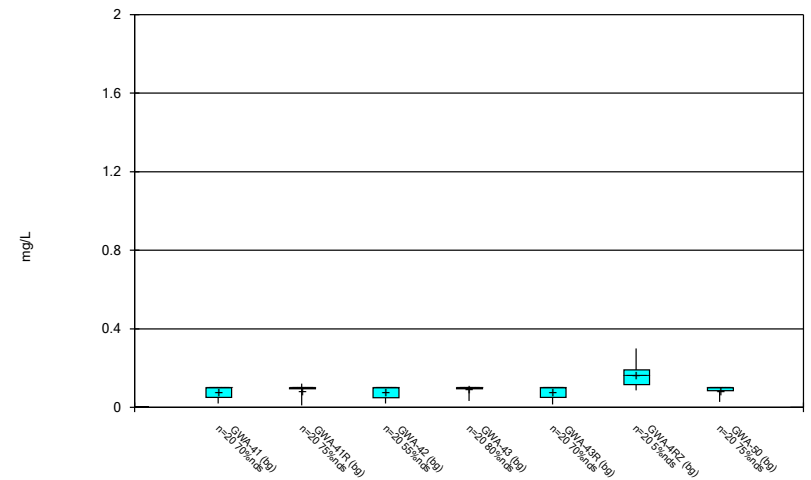
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Box & Whiskers Plot



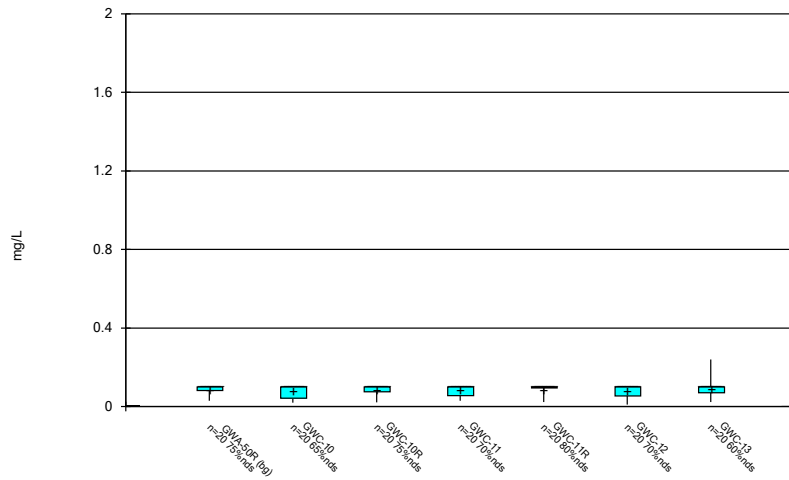
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Box & Whiskers Plot



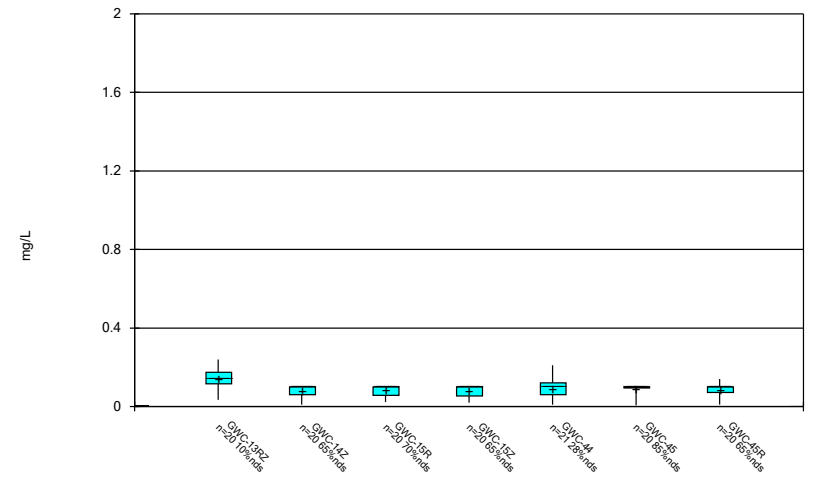
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Box & Whiskers Plot



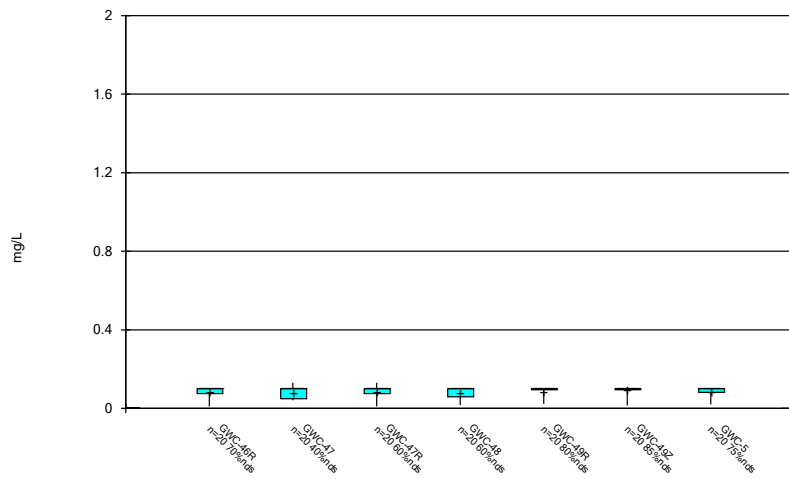
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Box & Whiskers Plot



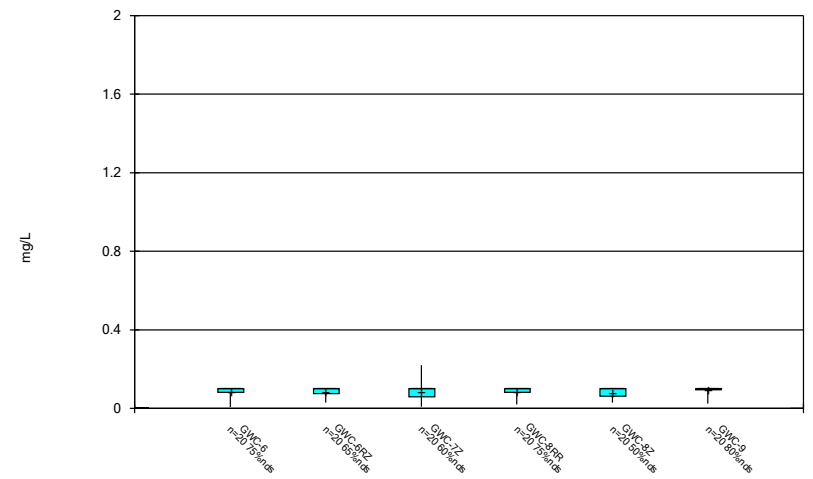
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Box & Whiskers Plot



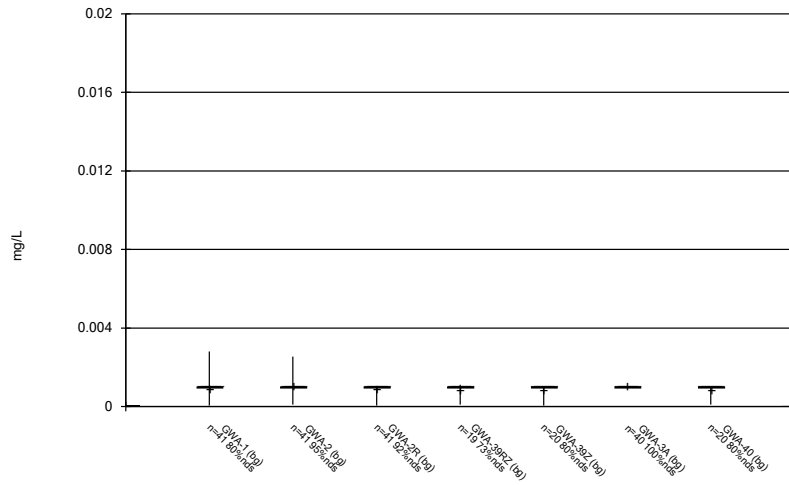
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Box & Whiskers Plot



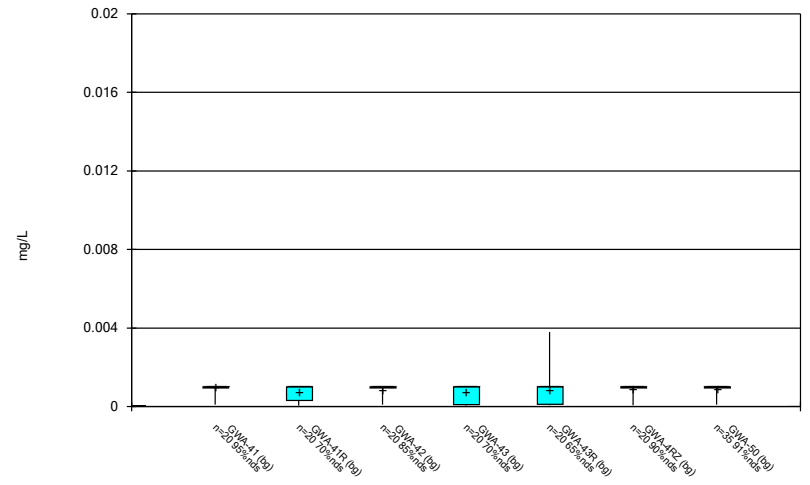
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Box & Whiskers Plot



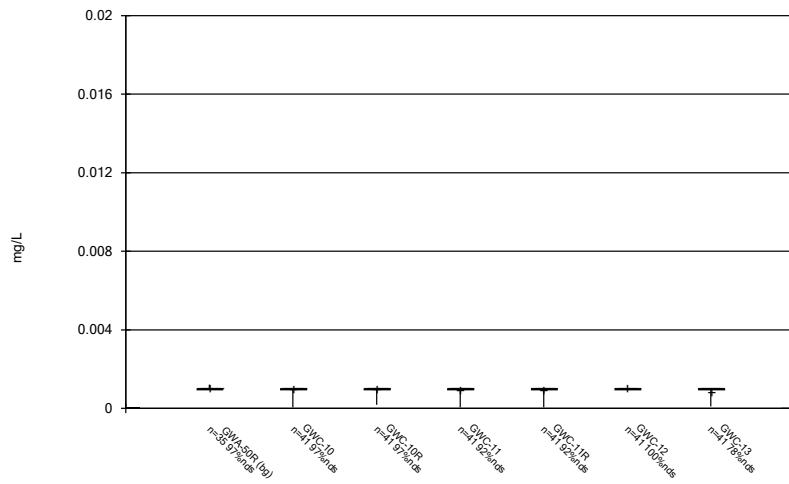
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Box & Whiskers Plot



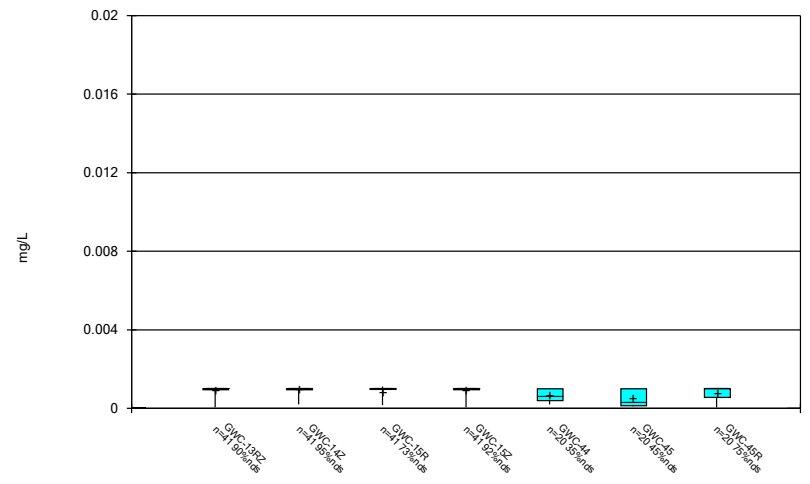
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Box & Whiskers Plot



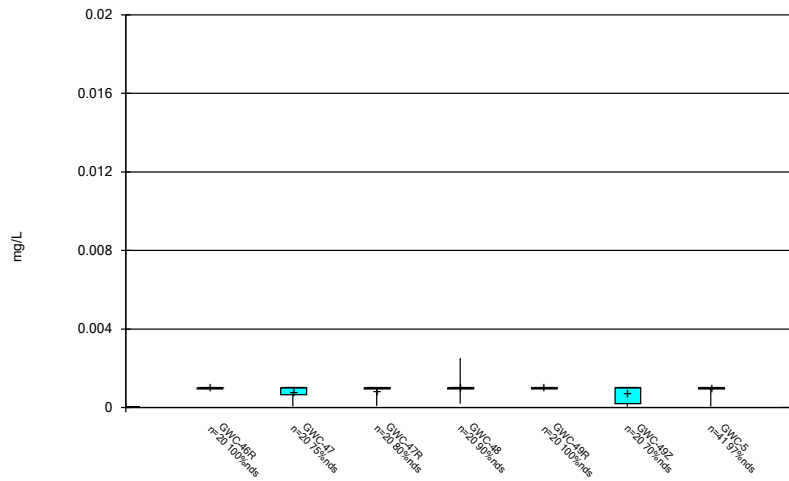
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Box & Whiskers Plot



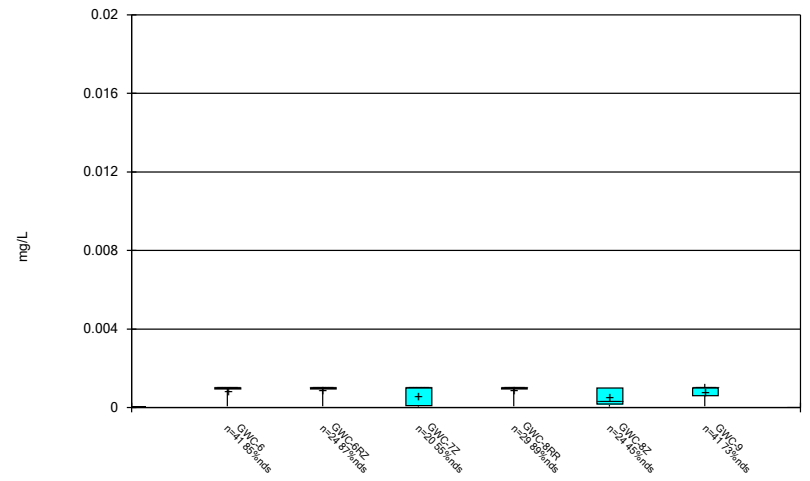
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Box & Whiskers Plot



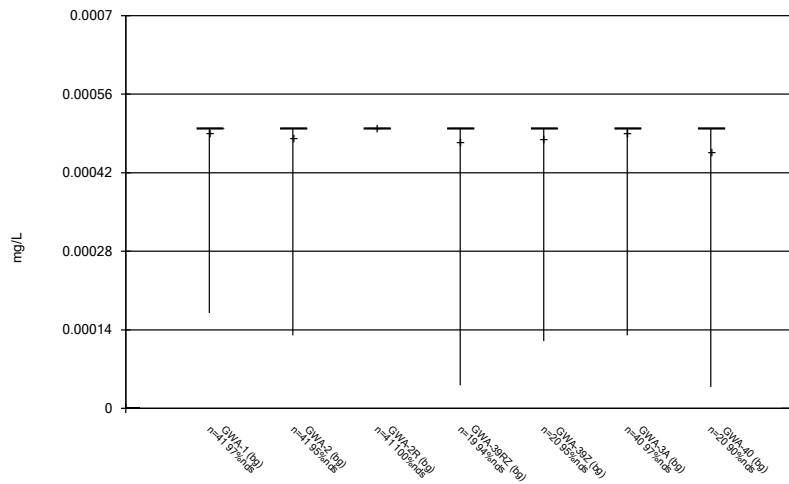
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Box & Whiskers Plot



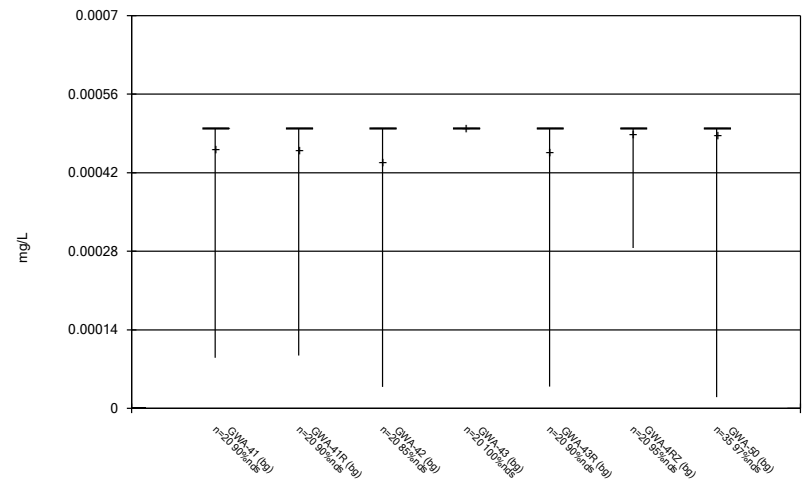
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Box & Whiskers Plot



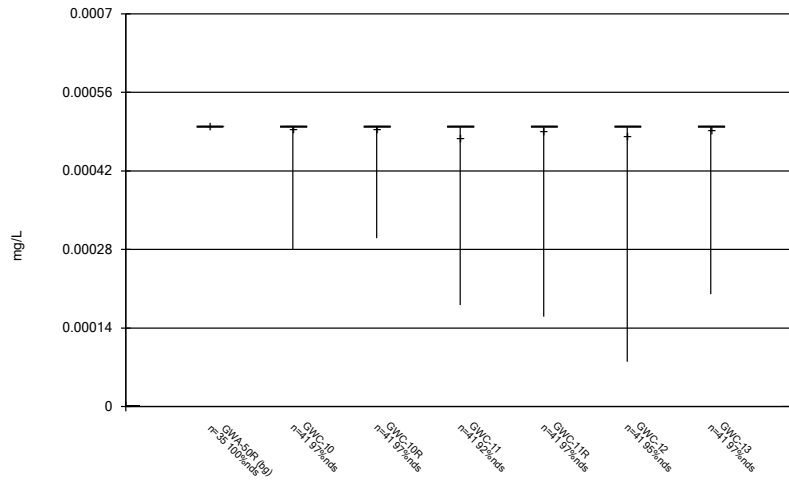
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Box & Whiskers Plot



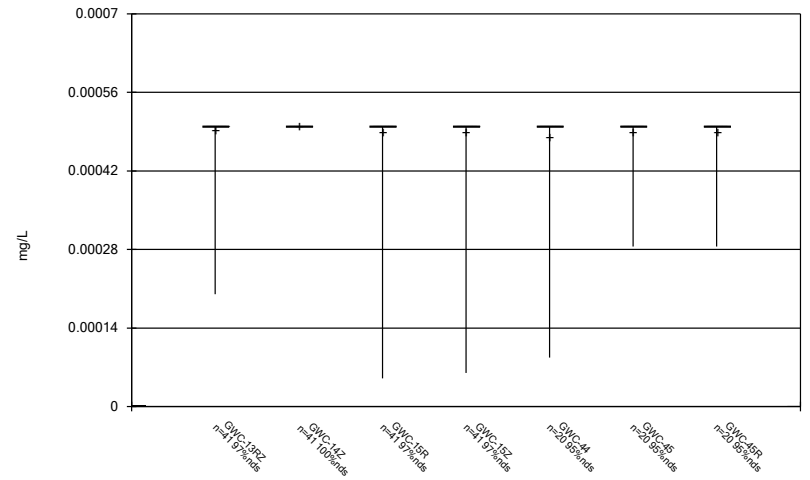
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Box & Whiskers Plot



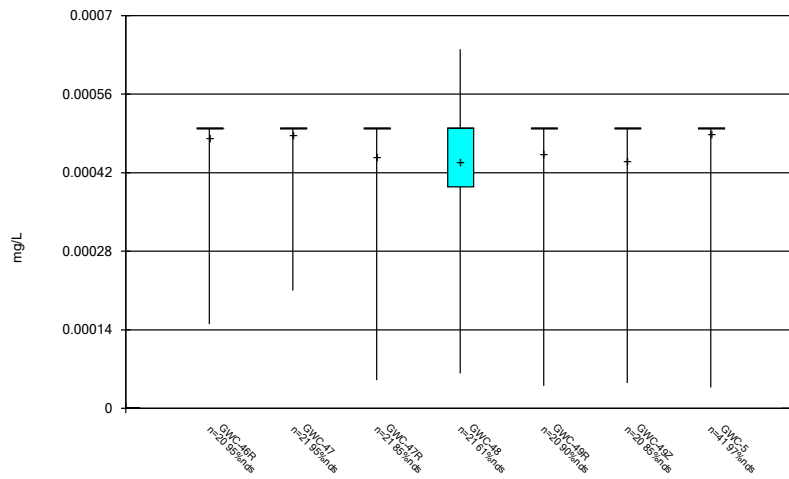
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Box & Whiskers Plot



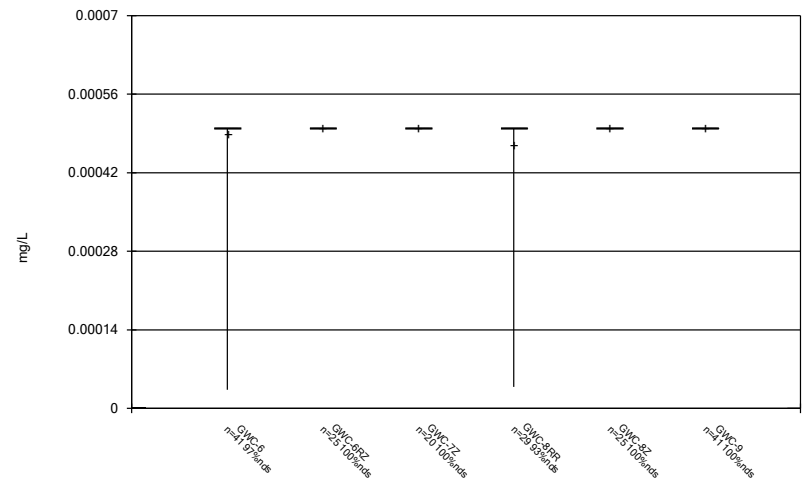
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Box & Whiskers Plot



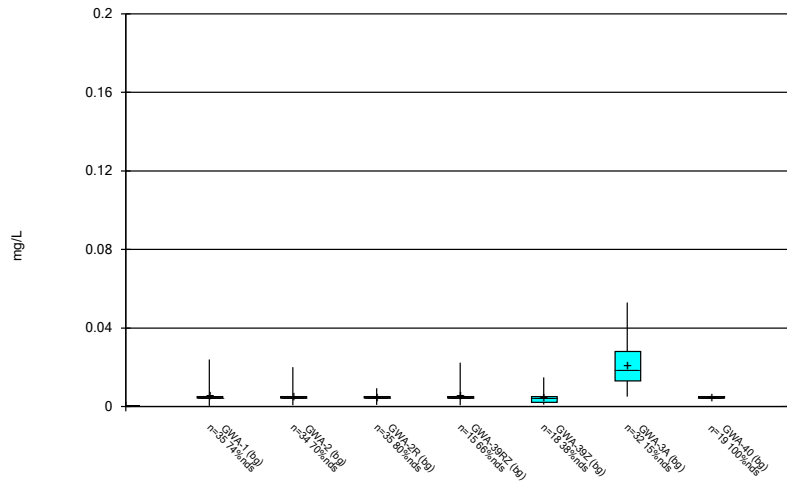
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Box & Whiskers Plot



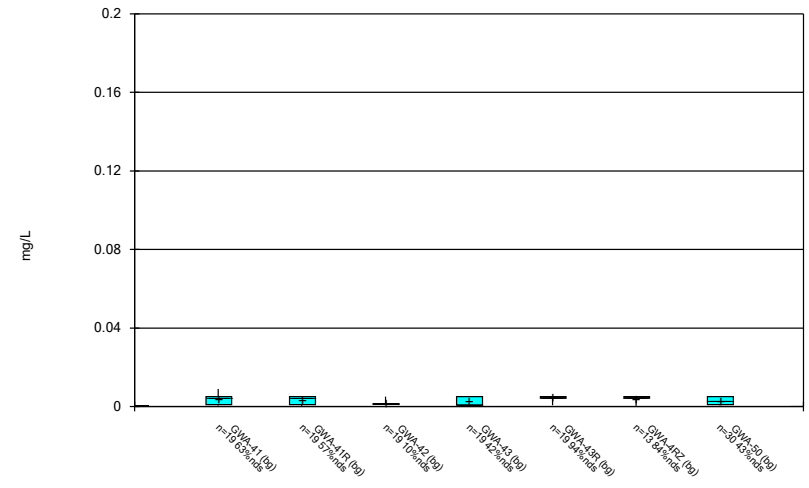
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Box & Whiskers Plot



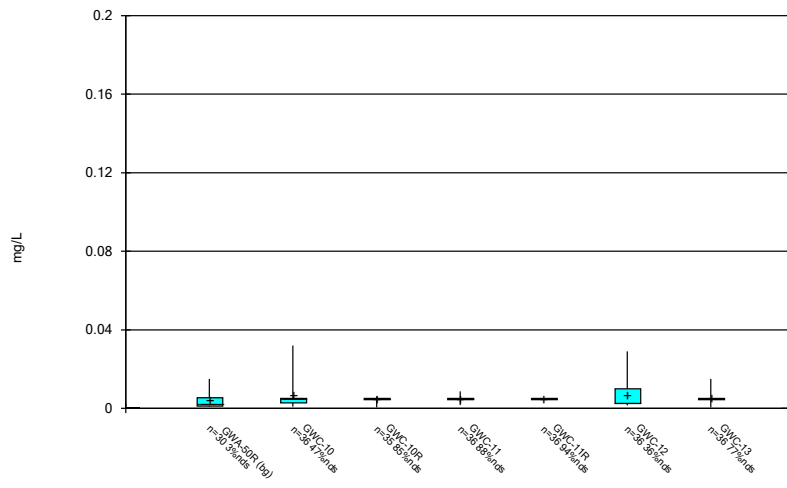
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Box & Whiskers Plot



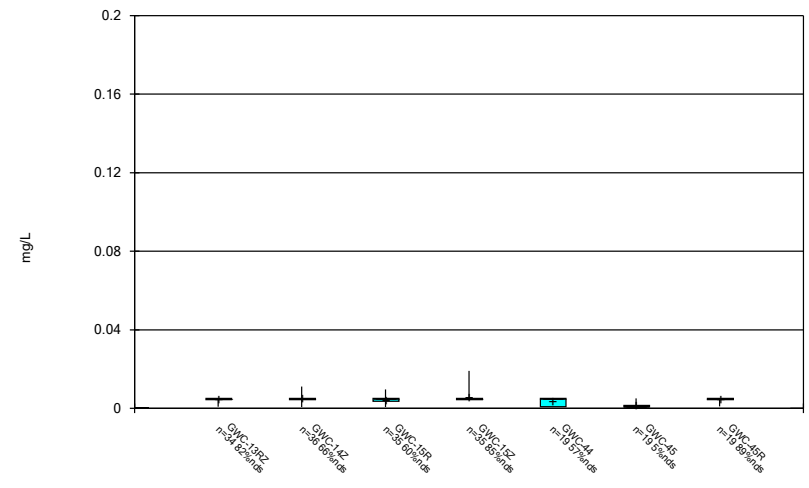
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



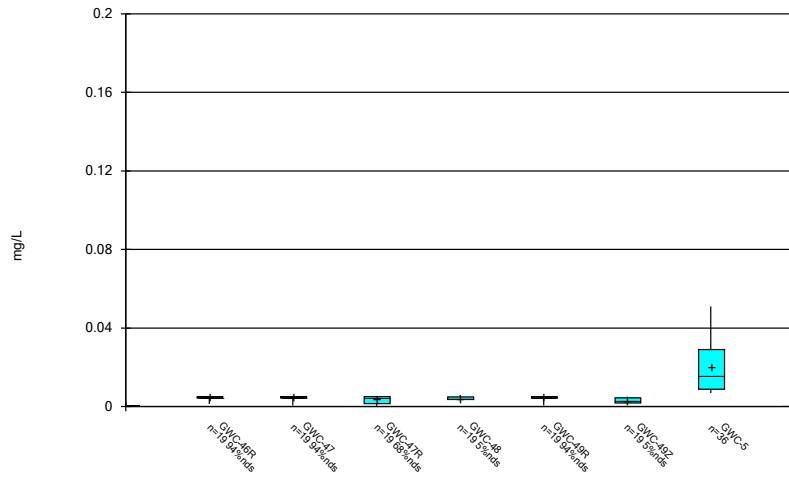
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



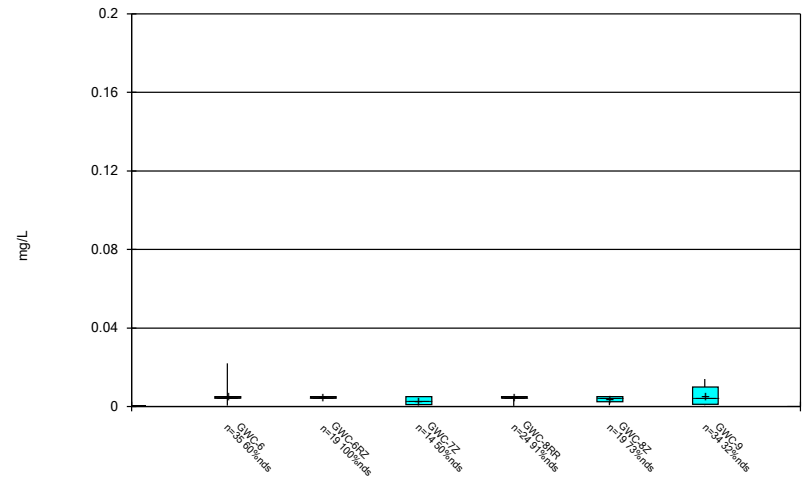
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



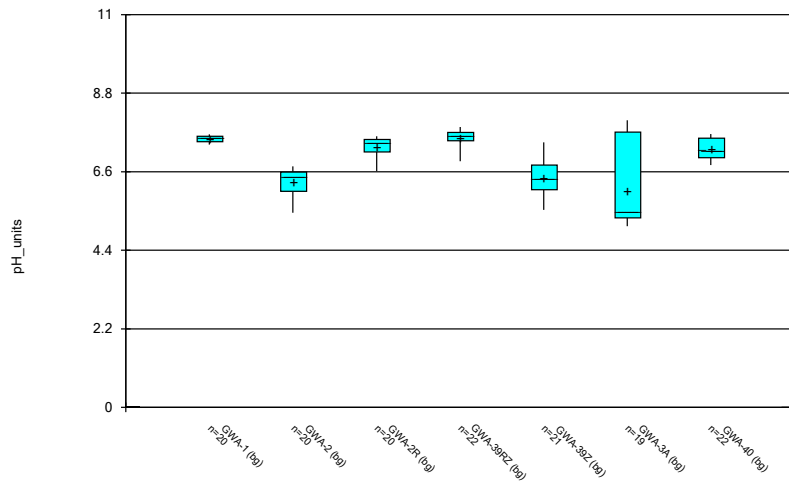
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



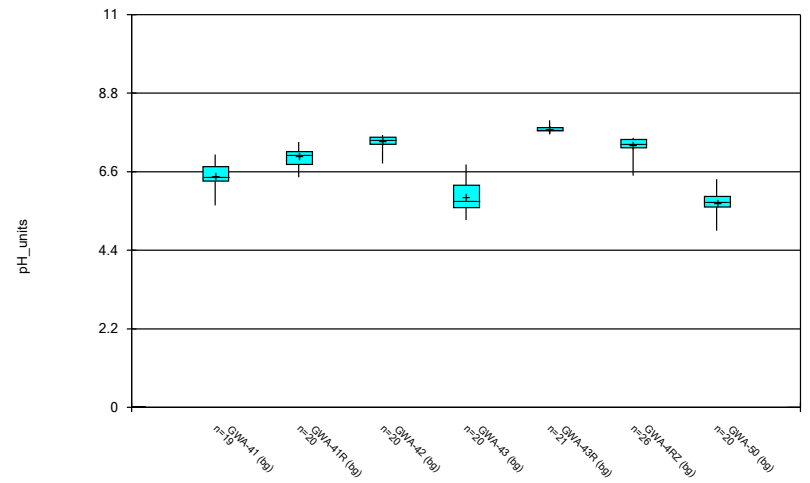
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



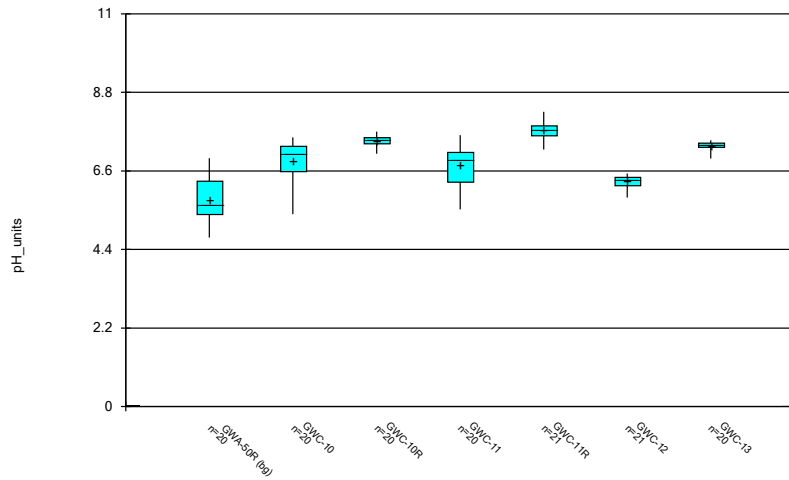
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



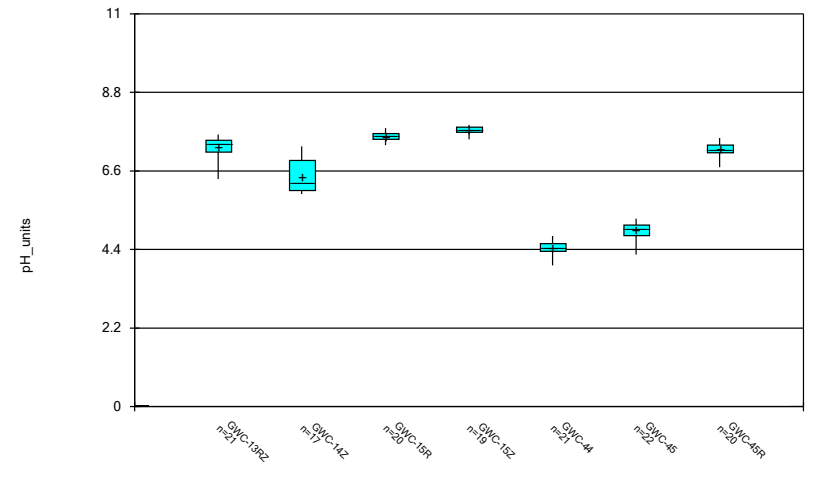
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Box & Whiskers Plot



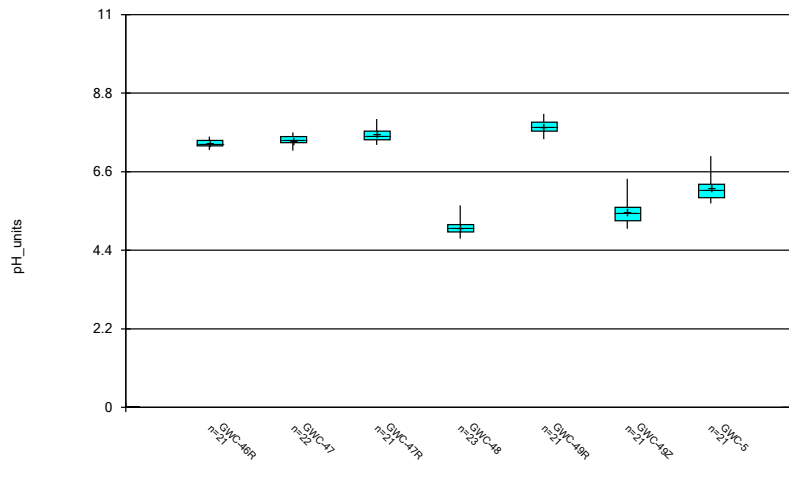
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Box & Whiskers Plot



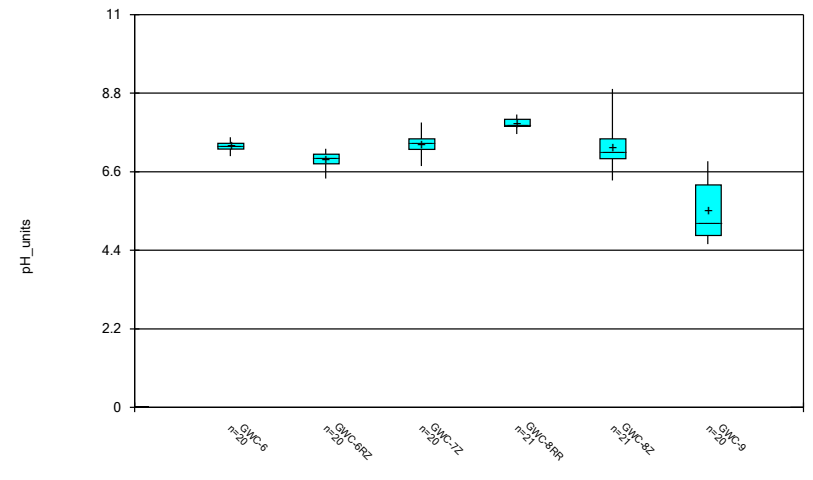
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Box & Whiskers Plot



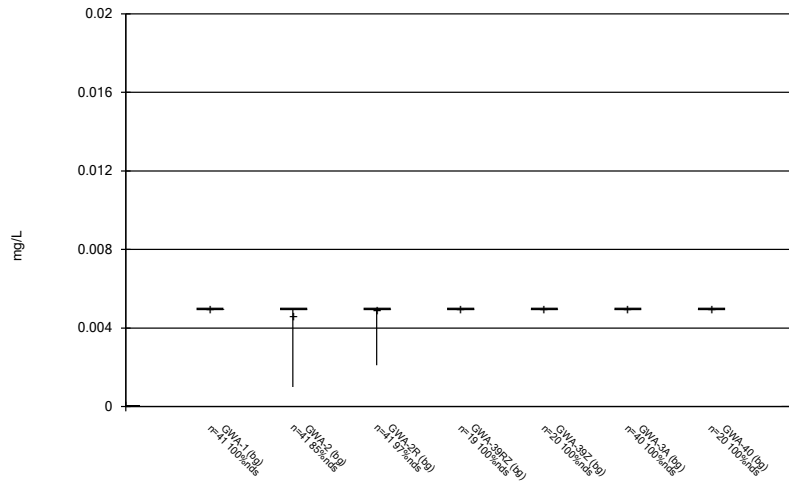
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Box & Whiskers Plot



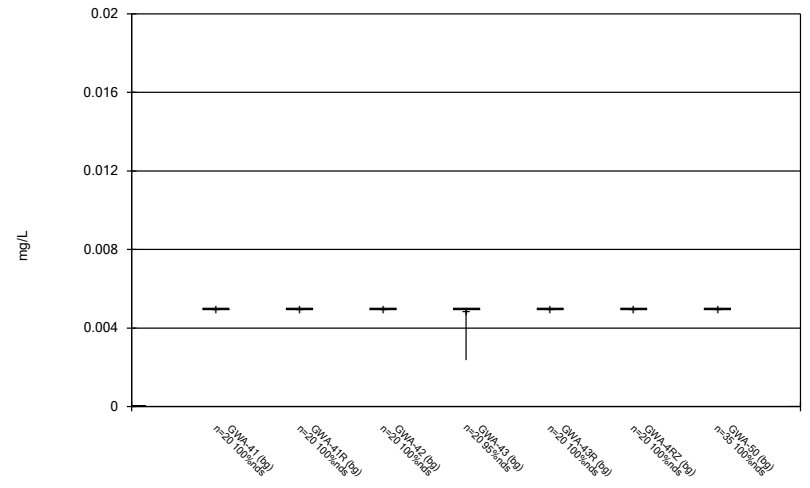
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



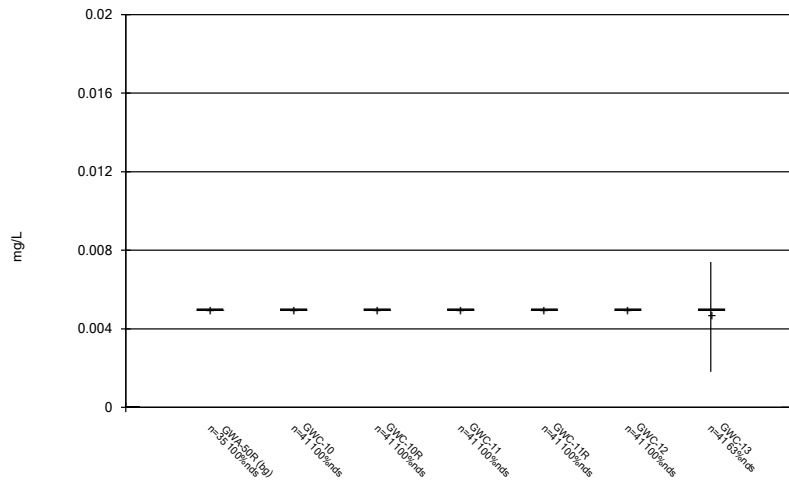
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Box & Whiskers Plot



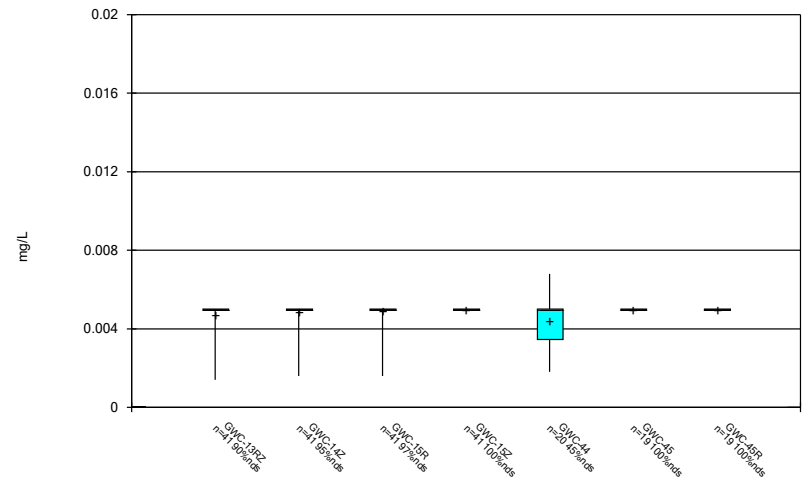
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



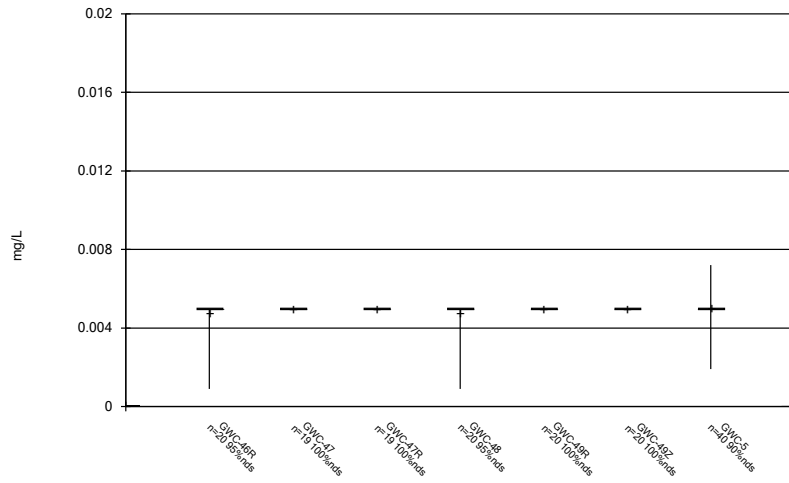
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Box & Whiskers Plot



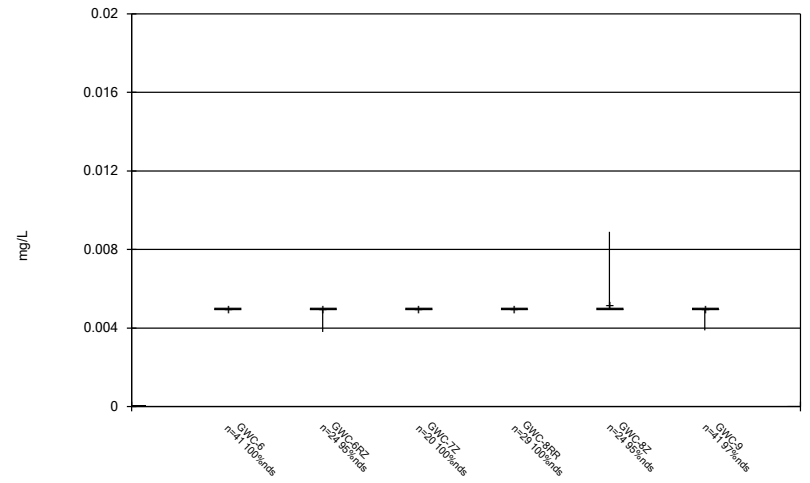
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



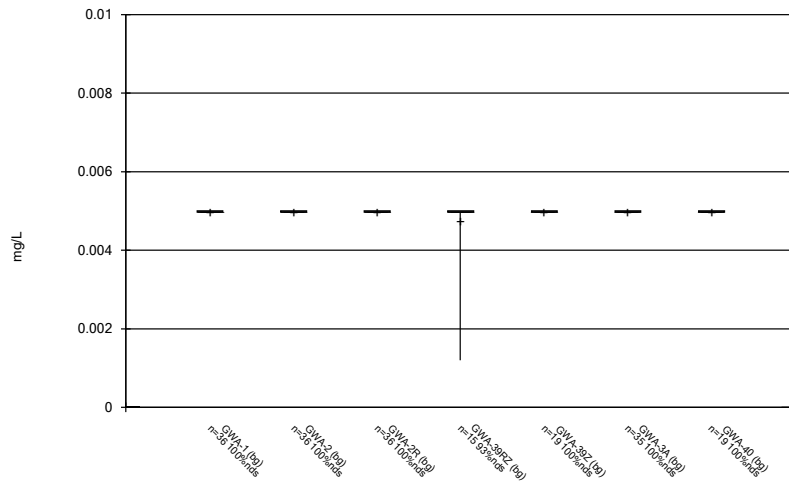
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Box & Whiskers Plot



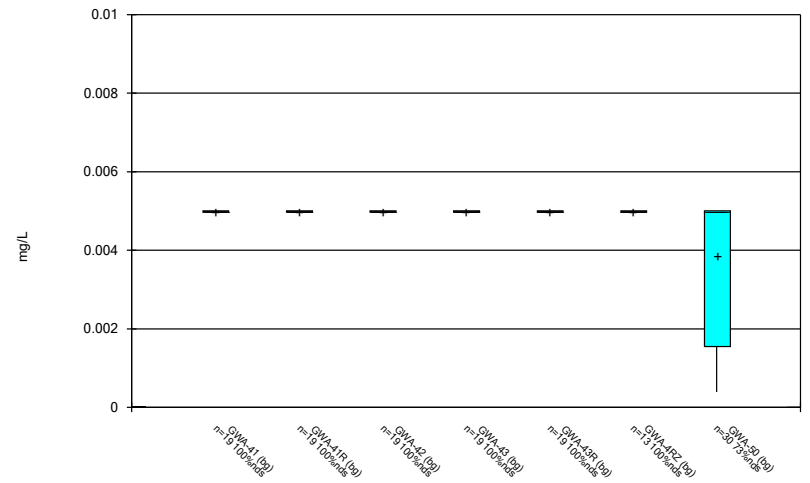
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Box & Whiskers Plot



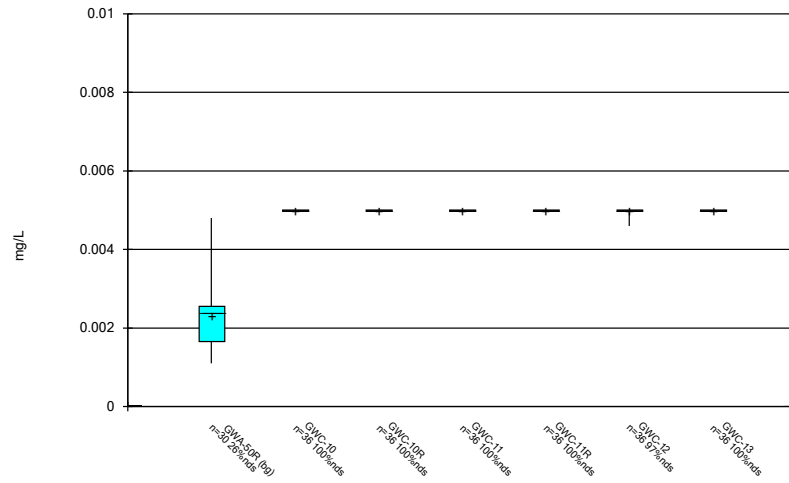
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Box & Whiskers Plot



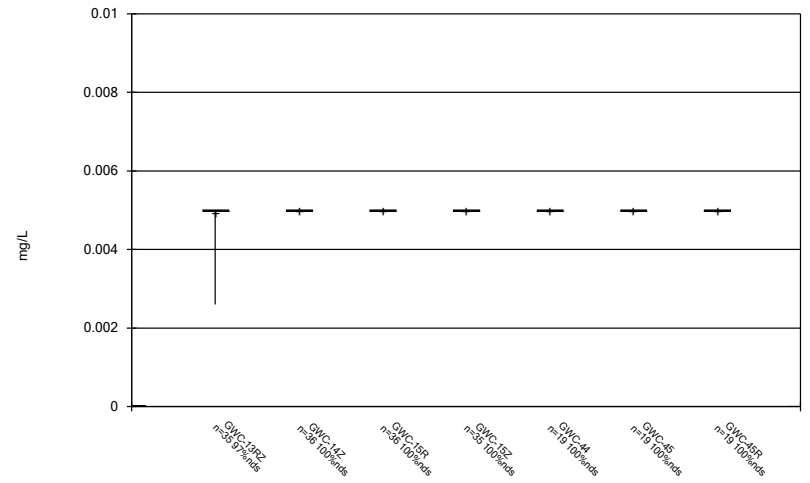
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



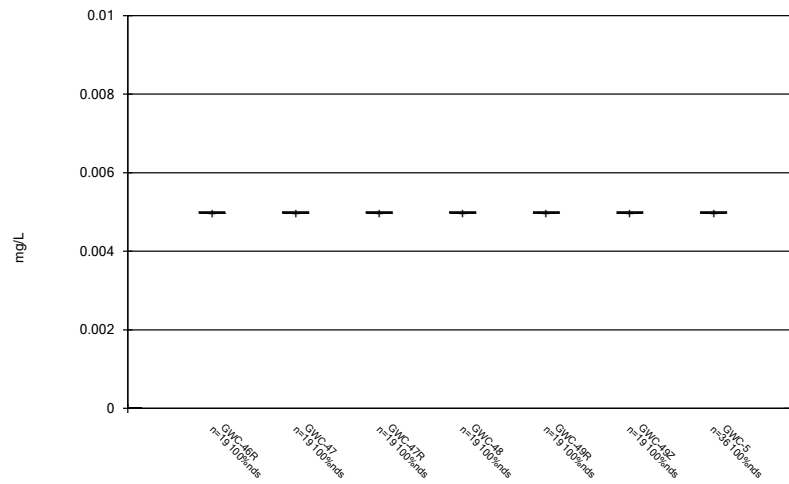
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



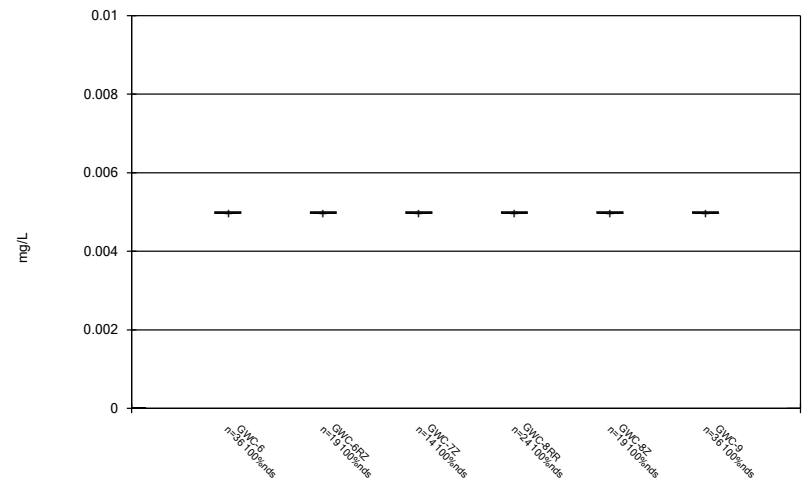
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



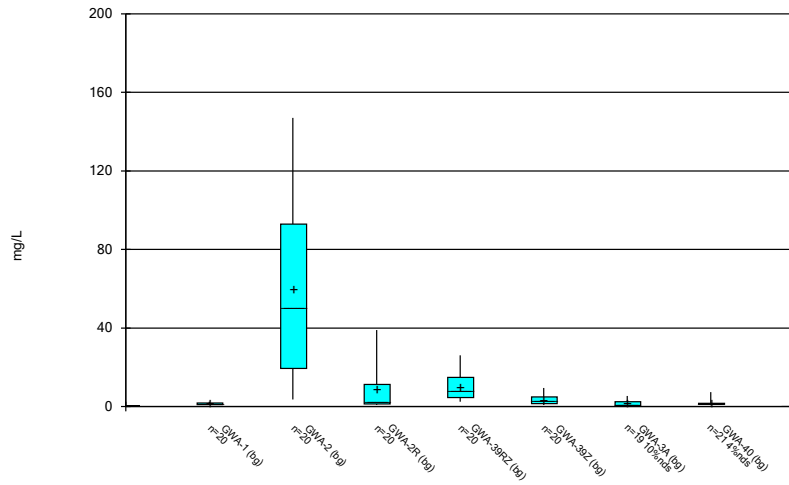
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



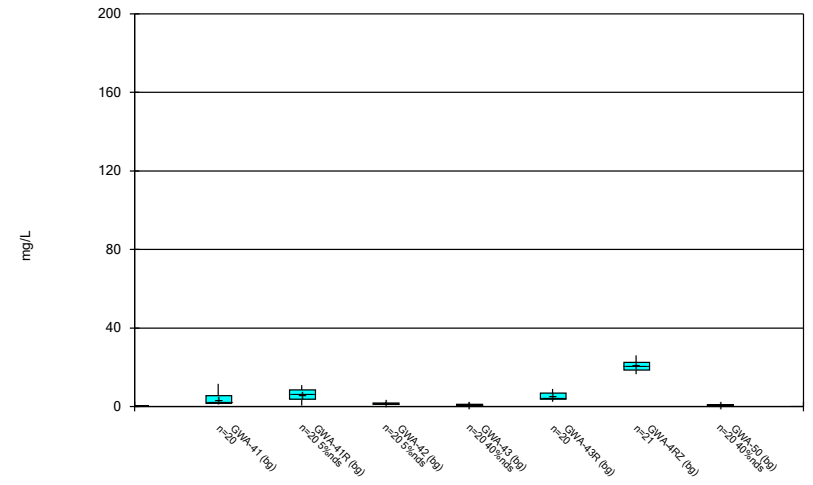
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



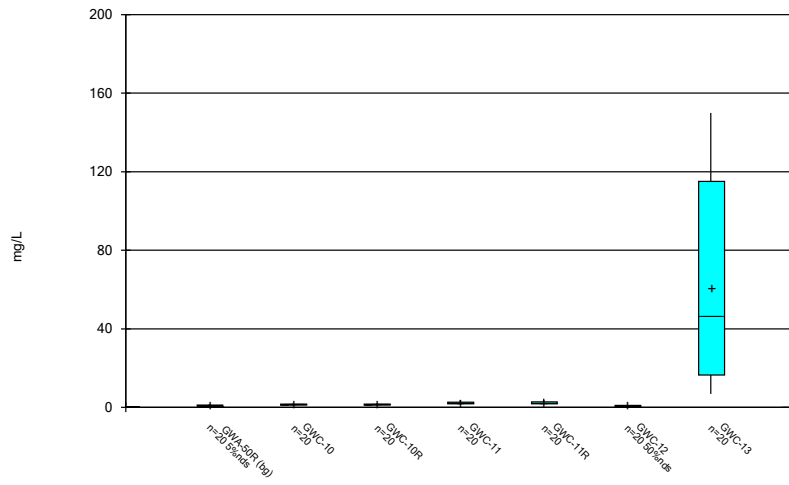
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



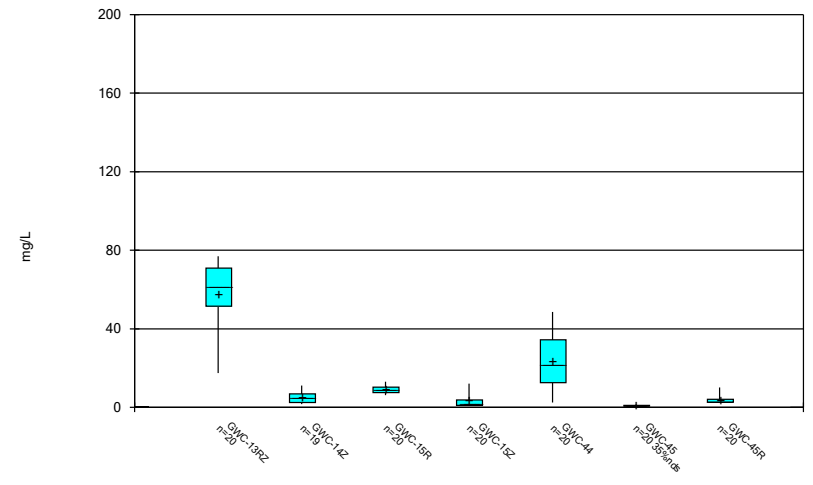
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



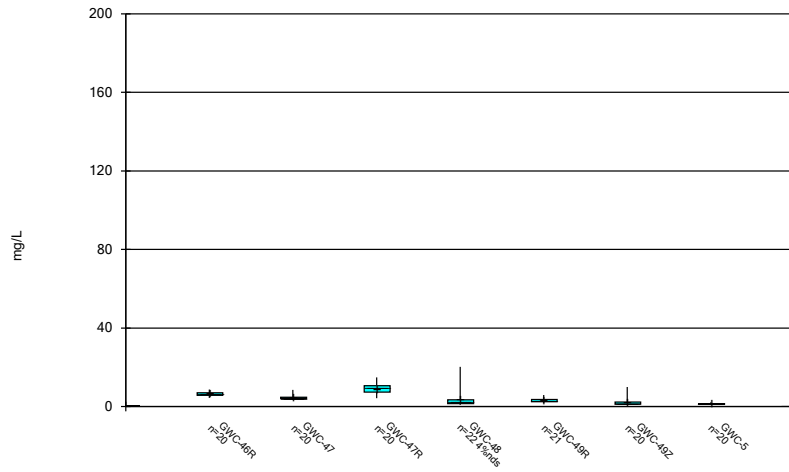
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Box & Whiskers Plot



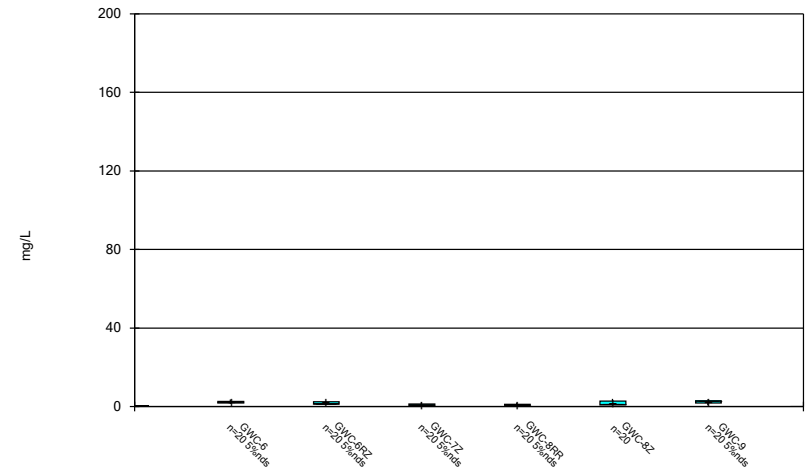
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Box & Whiskers Plot



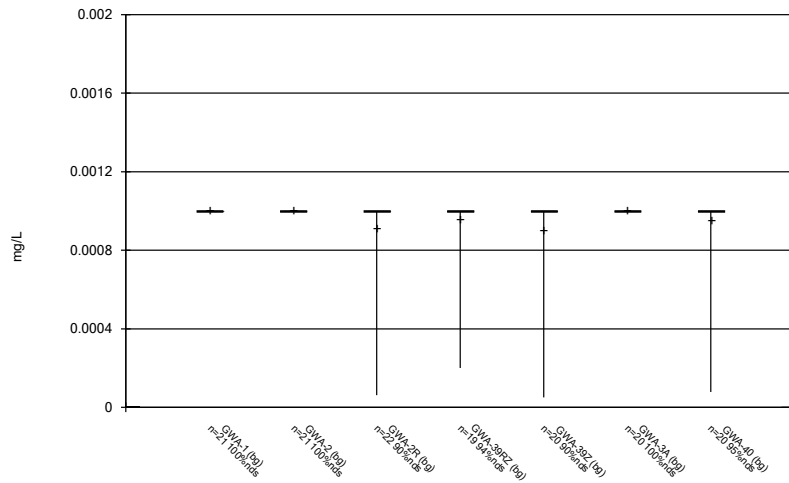
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



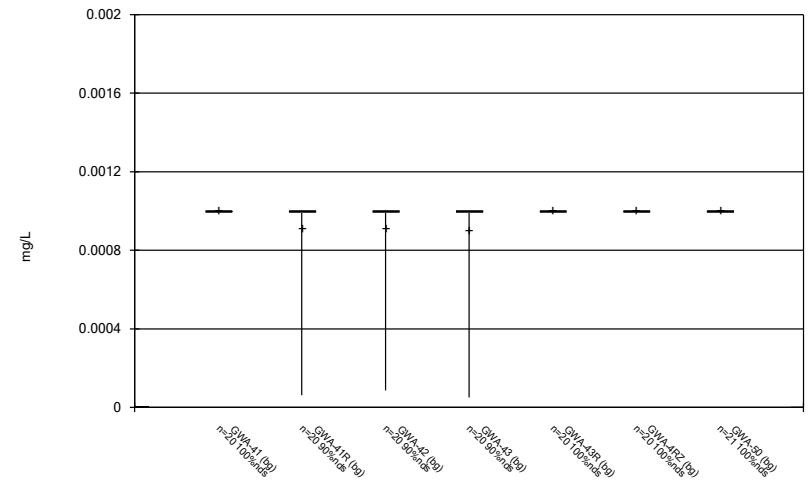
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



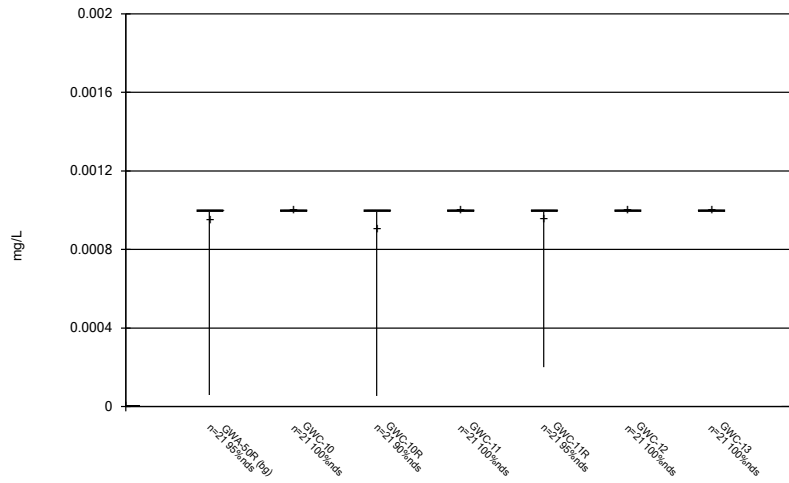
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



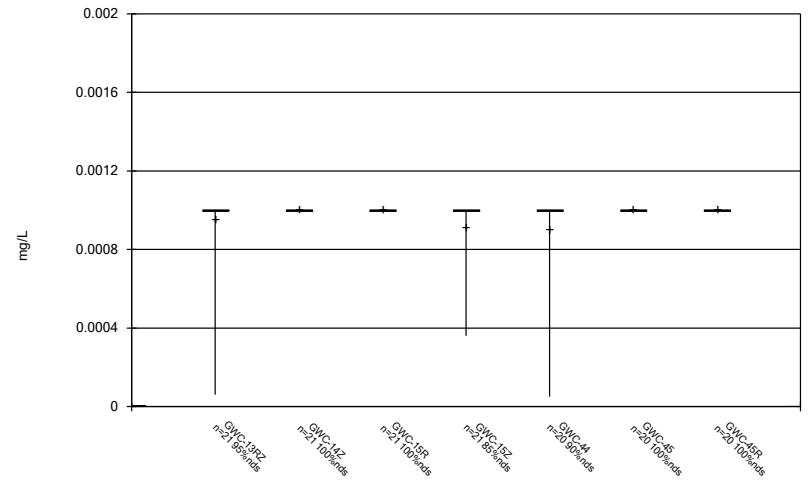
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



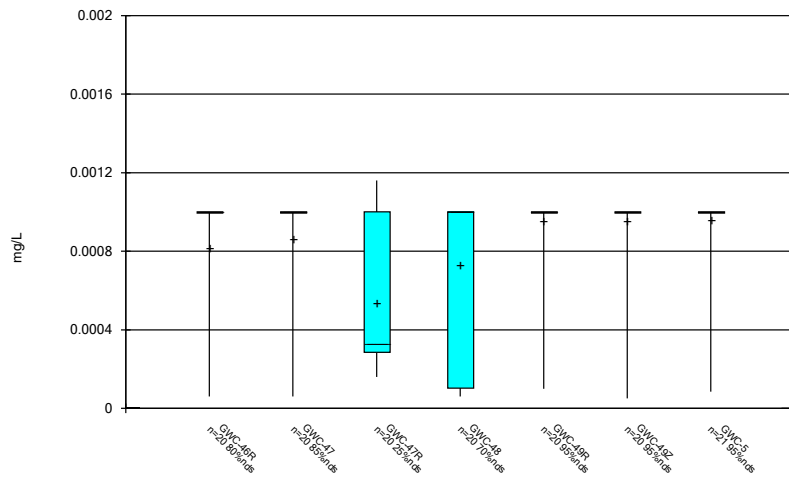
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Box & Whiskers Plot



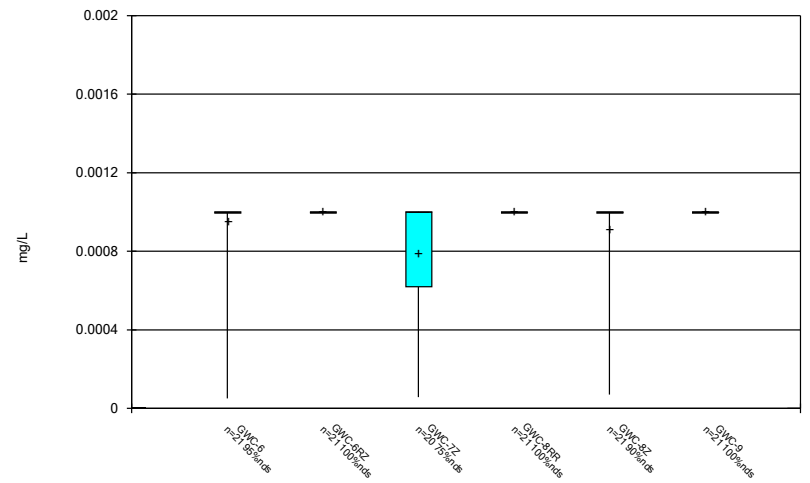
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Box & Whiskers Plot



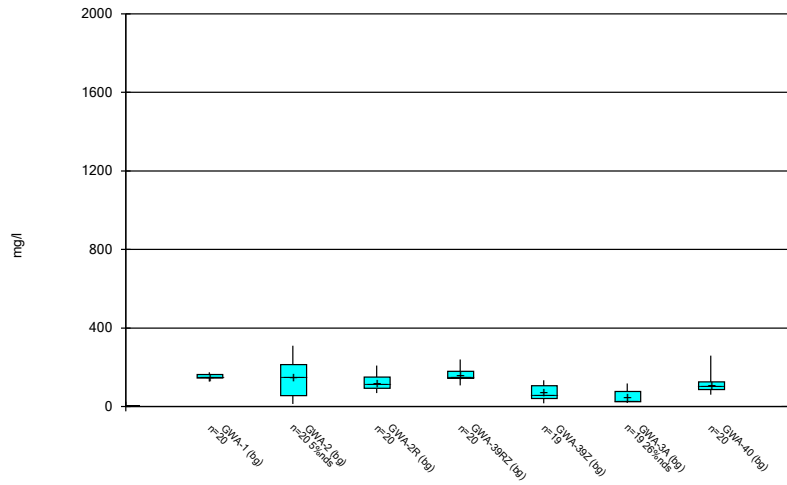
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Box & Whiskers Plot



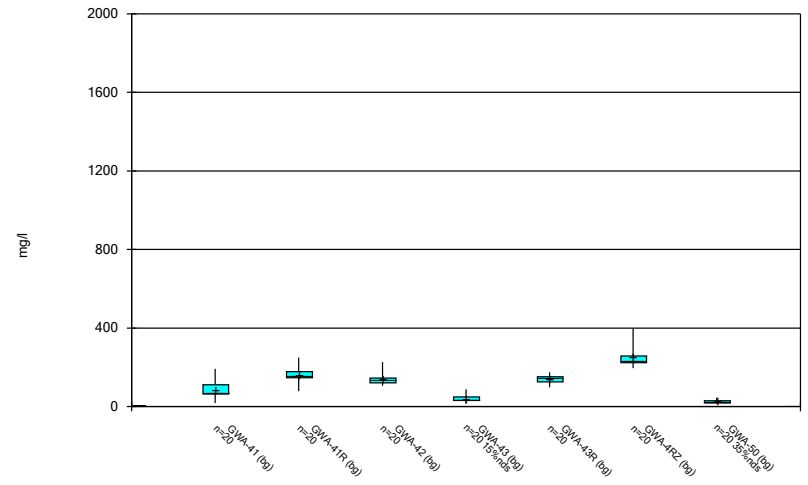
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Box & Whiskers Plot



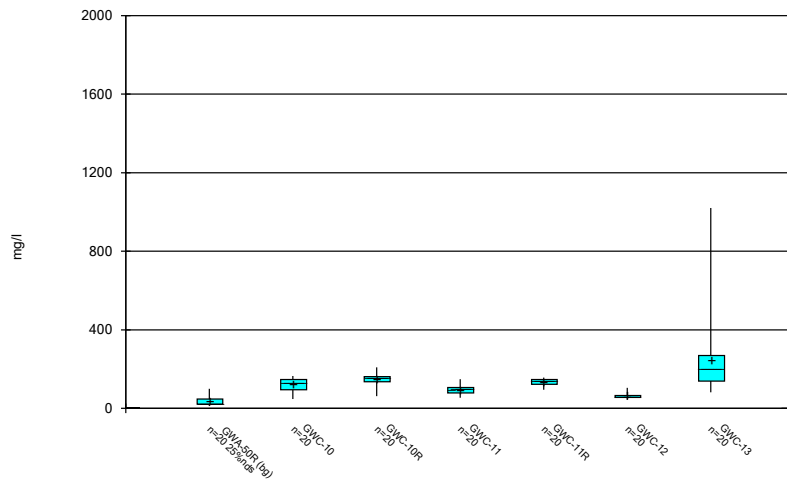
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



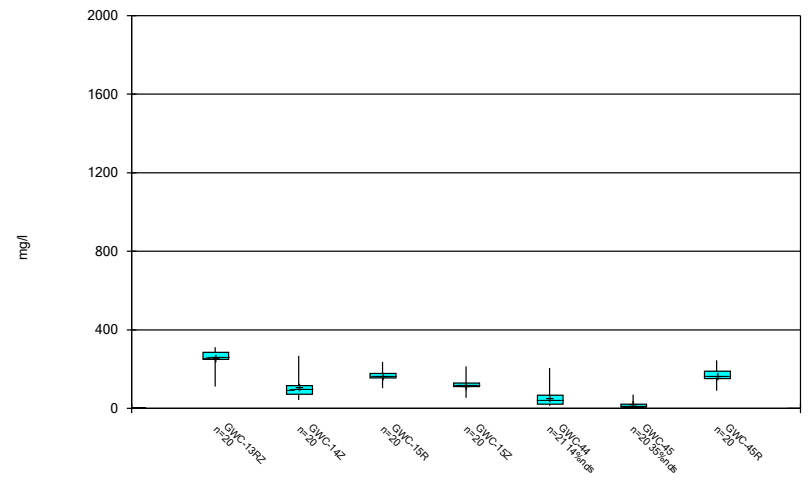
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



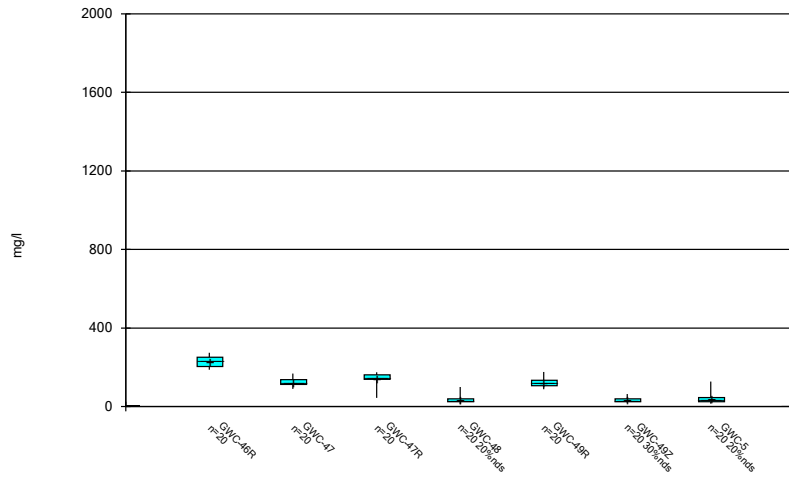
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Box & Whiskers Plot



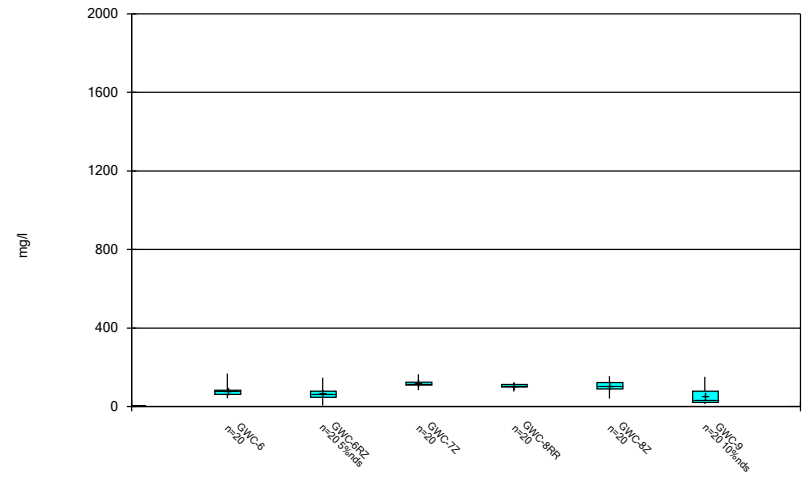
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



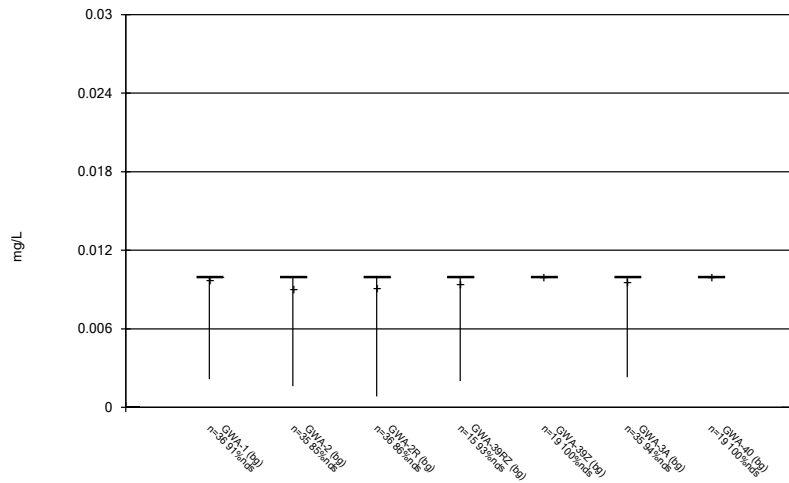
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Box & Whiskers Plot



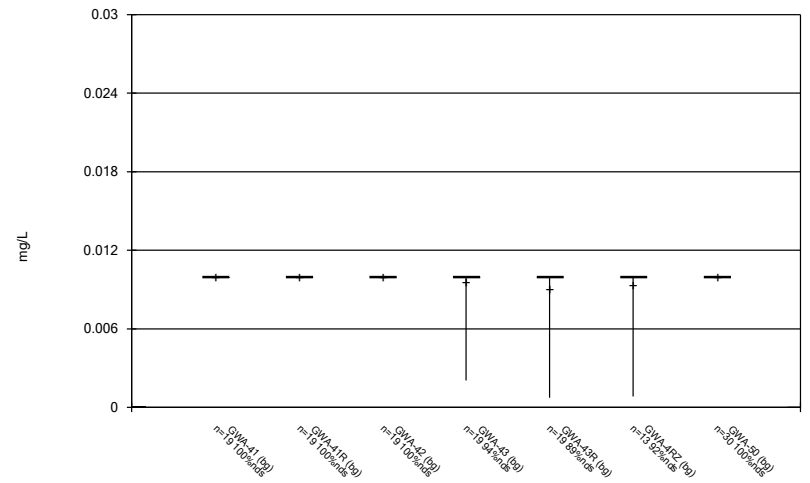
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



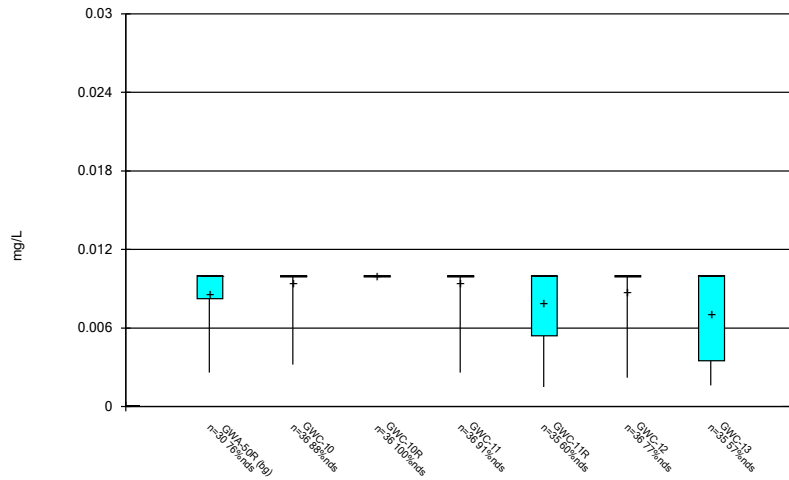
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Box & Whiskers Plot



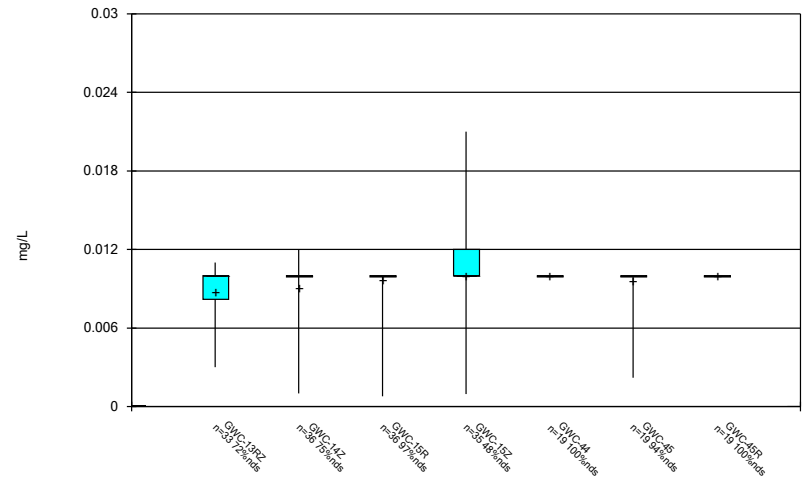
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



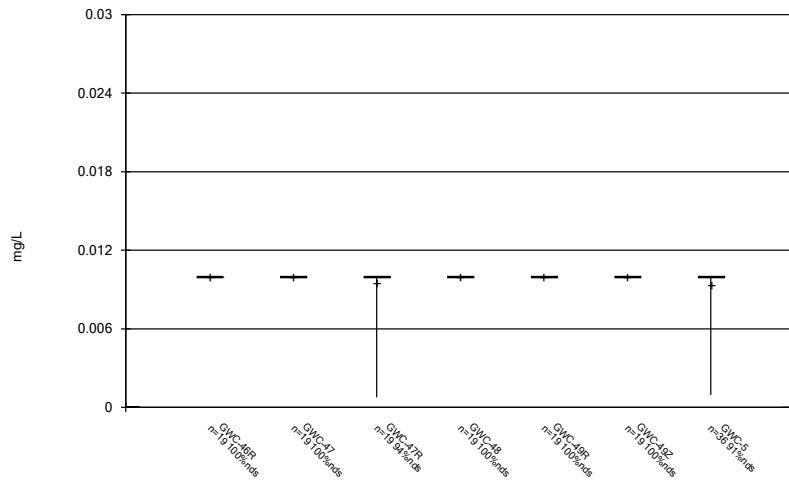
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



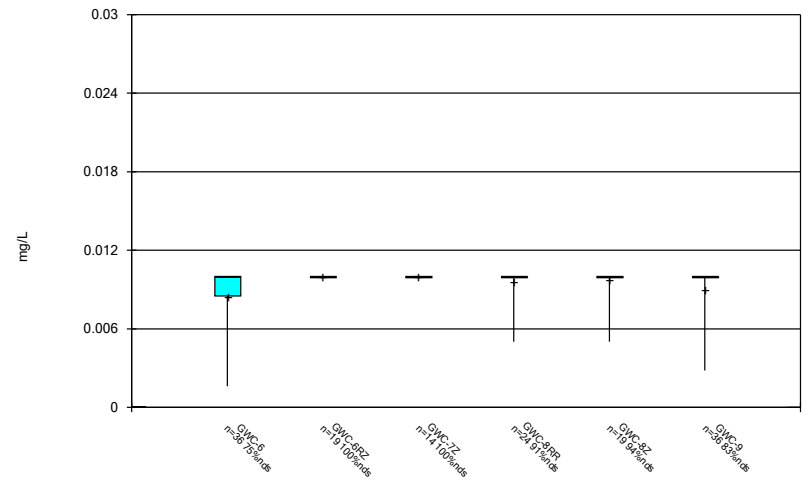
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



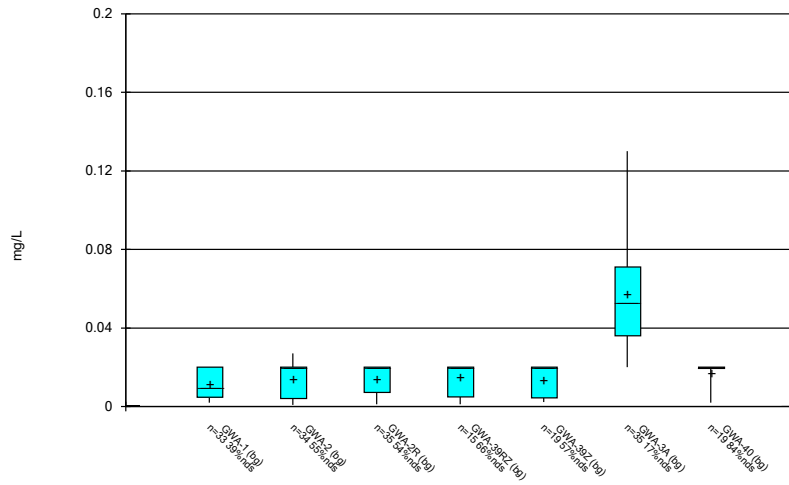
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Box & Whiskers Plot



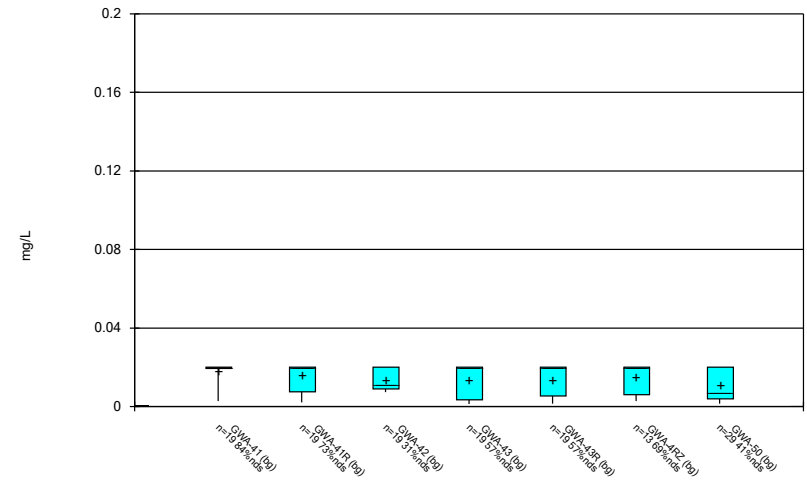
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



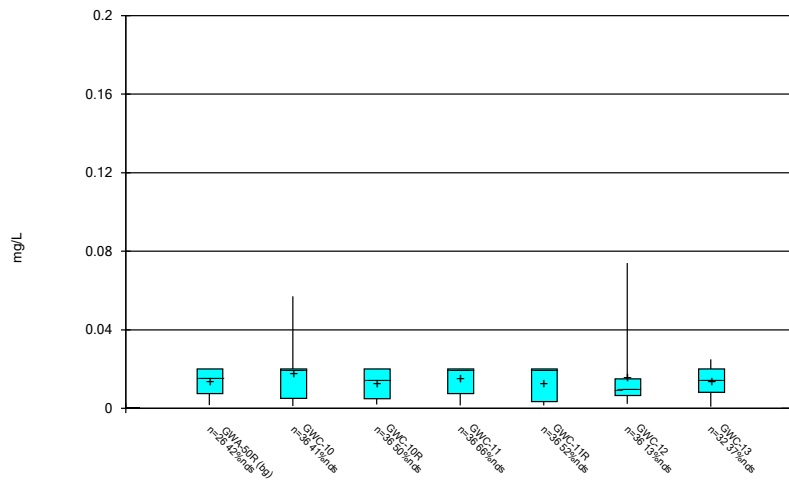
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



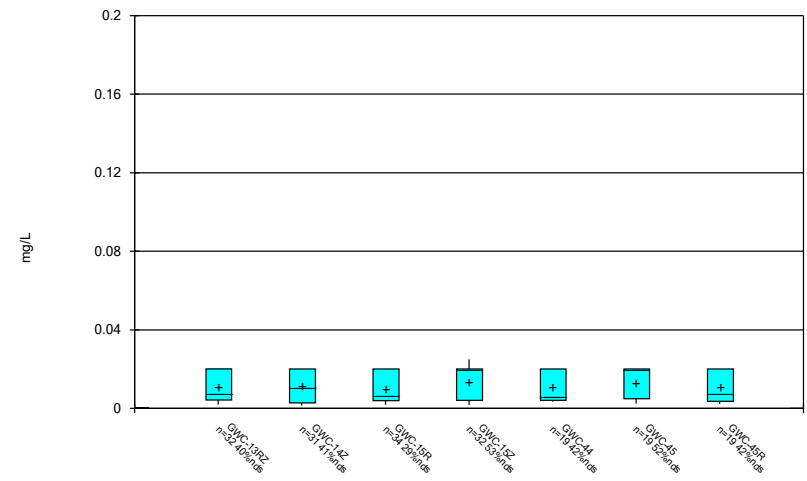
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



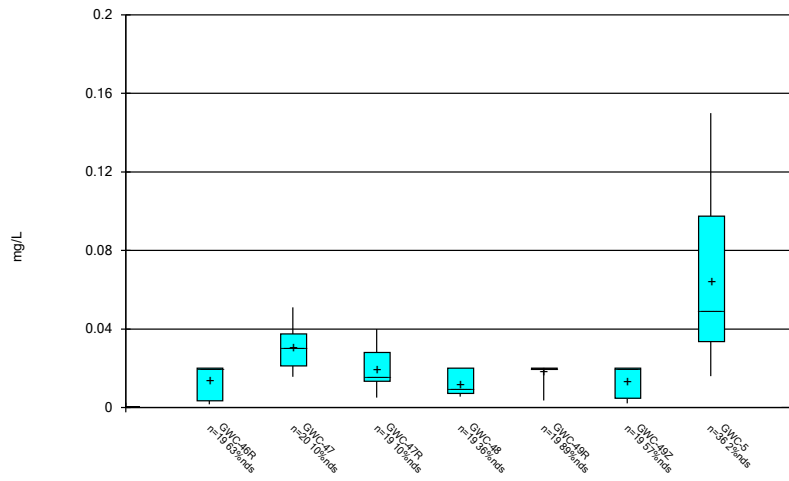
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



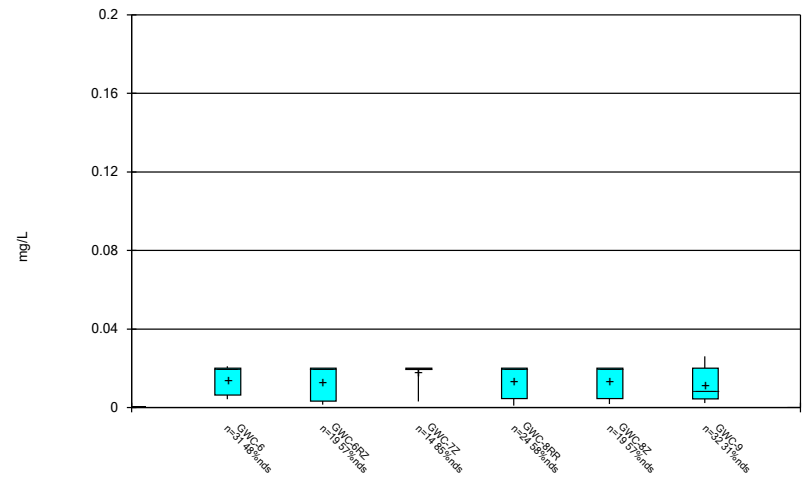
Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot

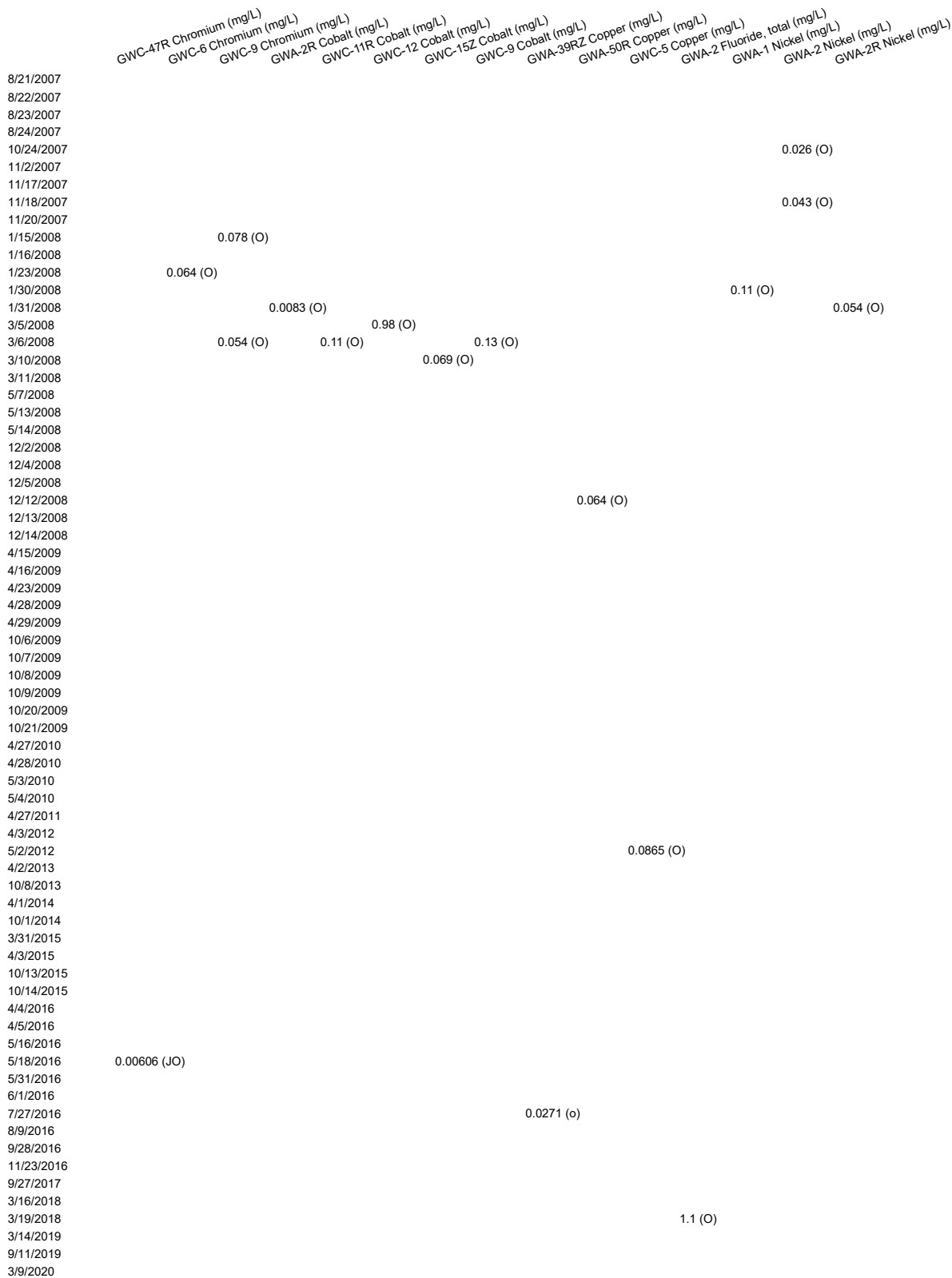


Constituent: Zinc Analysis Run 3/31/2023 12:18 PM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:20 PM



Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:20 PM

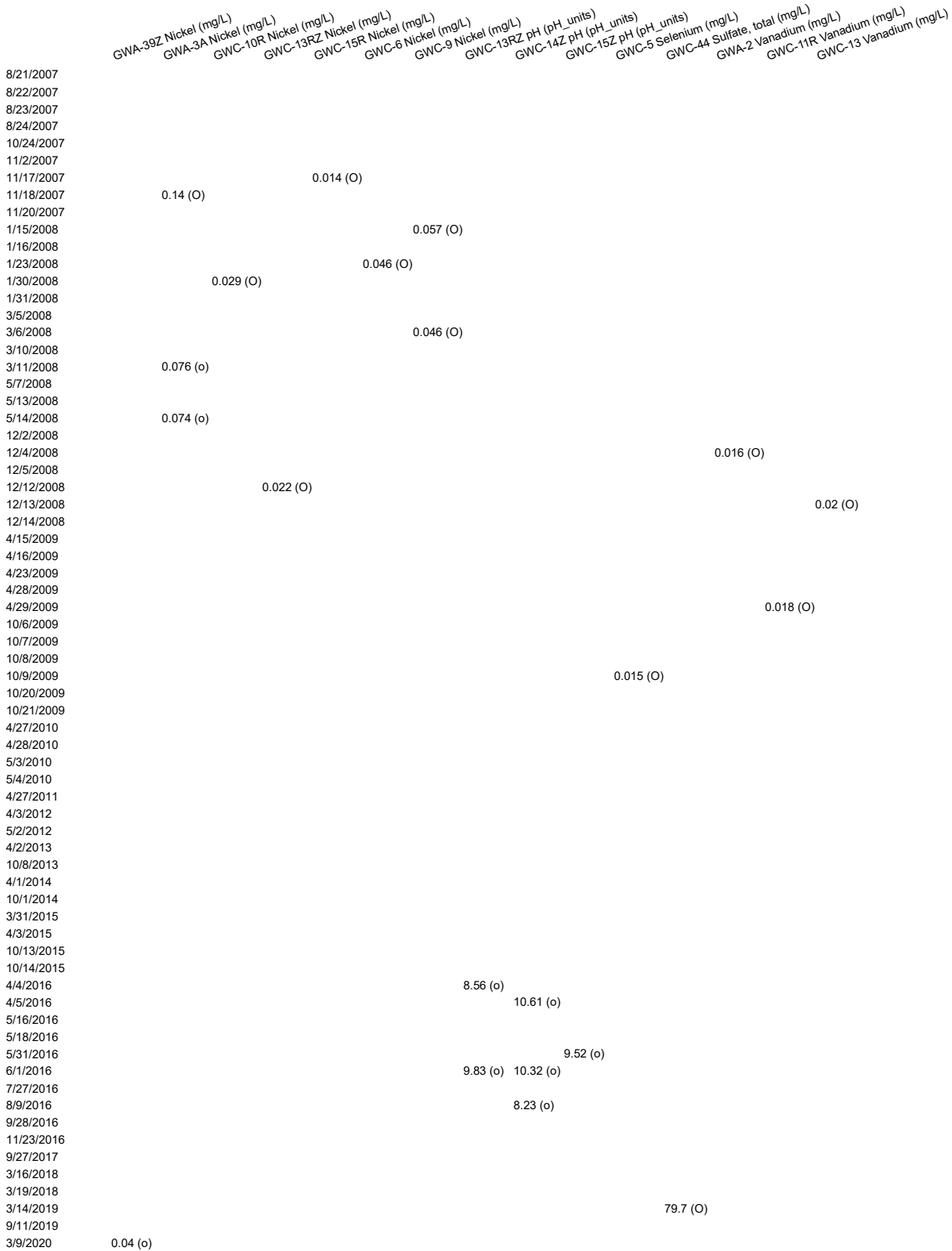


FIGURE D.

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.016	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.011	n/a	2/16/2023	0.0048	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-39RZ	0.009814	n/a	2/14/2023	0.0019J	No	15	0.00252	0.002352	20	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-39Z	0.003788	n/a	2/13/2023	0.00087J	No	17	0.00115	0.0008886	29.41	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-3A	0.0068	n/a	2/17/2023	0.003ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-40	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	2/13/2023	0.0045	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-42	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43R	0.003	n/a	2/13/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	2/17/2023	0.003ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-50	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	2/16/2023	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	2/20/2023	0.003ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.012	n/a	2/20/2023	0.003ND	No	39	n/a	n/a	69.23	n/a	n/a	0.001226	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	2/22/2023	0.003ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	50	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-15Z	0.0053	n/a	2/22/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	2/14/2023	0.003ND	No	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-45R	0.004265	n/a	2/14/2023	0.003ND	No	17	0.001357	0.0009798	47.06	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-46R	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	2/14/2023	0.0022J	No	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-48	0.003	n/a	2/14/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	2/14/2023	0.0037	Yes	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49Z	0.003623	n/a	2/14/2023	0.003ND	No	17	-6.797	0.3965	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	2/20/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.0035	n/a	2/17/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	2/17/2023	0.003ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7Z	0.003	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	2/21/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002867	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8Z	0.003	n/a	2/20/2023	0.003ND	No	21	n/a	n/a	100	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	2/21/2023	0.003ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	100	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3A	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.005571	n/a	2/17/2023	0.005ND	No	17	-6.903	0.5772	23.53	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-10	0.0079	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	42.11	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.012	n/a	2/21/2023	0.0094J	No	37	n/a	n/a	24.32	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-13	0.0096	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	2/22/2023	0.0031J	No	36	n/a	n/a	58.33	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7Z	0.004641	n/a	2/20/2023	0.005ND	No	17	0.001929	0.0009137	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0086	n/a	2/21/2023	0.0028J	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04502	n/a	2/16/2023	0.018	No	37	-3.909	0.3174	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.05141	n/a	2/16/2023	0.029	No	36	0.0209	0.01195	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.03451	n/a	2/16/2023	0.028	No	36	0.2237	0.03988	0	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39RZ	0.02768	n/a	2/14/2023	0.014	No	16	0.1268	0.01313	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39Z	0.03941	n/a	2/13/2023	0.018	No	17	0.01411	0.008521	5.882	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-3A	0.009084	n/a	2/17/2023	0.0065	No	28	0.005744	0.001261	3.571	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-40	0.01278	n/a	2/13/2023	0.0075	No	17	0.008742	0.001361	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41	0.03723	n/a	2/13/2023	0.029	No	17	0.02557	0.003928	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41R	0.05668	n/a	2/13/2023	0.028	No	17	0.02492	0.0107	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-42	0.007092	n/a	2/13/2023	0.0061	No	17	0.006289	0.0002707	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43	0.04685	n/a	2/14/2023	0.011	No	17	0.02083	0.008765	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43R	0.009608	n/a	2/13/2023	0.0064	No	17	0.007821	0.0006022	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.05645	n/a	2/17/2023	0.043	No	17	0.03282	0.00796	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50	0.01772	n/a	2/16/2023	0.0067	No	31	0.00959	0.00312	3.226	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02271	n/a	2/16/2023	0.0081	No	29	0.01407	0.00328	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03628	n/a	2/20/2023	0.02	No	35	0.1368	0.02096	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.0369	n/a	2/20/2023	0.024	No	38	0.02421	0.005	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.036	n/a	2/20/2023	0.0071	No	37	n/a	n/a	2.703	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-11R	0.02549	n/a	2/20/2023	0.02	No	38	0.01365	0.004665	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.07	n/a	2/21/2023	0.023	No	34	n/a	n/a	0	n/a	n/a	0.001599	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-13	0.05665	n/a	2/22/2023	0.022	No	36	0.02799	0.01122	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-14Z	0.05513	n/a	2/22/2023	0.014	No	34	0.134	0.03917	5.882	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.0322	n/a	2/22/2023	0.016	No	37	0.02379	0.003303	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15Z	0.02357	n/a	2/22/2023	0.01	No	37	0.01126	0.004835	2.703	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-44	0.09923	n/a	2/14/2023	0.042	No	17	0.04132	0.01951	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	2/14/2023	0.0067	No	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45R	0.02752	n/a	2/14/2023	0.025	No	17	0.02092	0.002221	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-46R	0.02323	n/a	2/14/2023	0.011	No	17	-4.239	0.1605	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47	0.02056	n/a	2/14/2023	0.0075	No	17	0.01184	0.002938	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47R	0.0365	n/a	2/14/2023	0.0072	No	17	-4.549	0.4172	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	2/14/2023	0.04	No	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49R	0.03583	n/a	2/14/2023	0.013	No	17	-4.444	0.3757	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49Z	0.0178	n/a	2/14/2023	0.0041J	No	17	0.1729	0.02972	5.882	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.02799	n/a	2/20/2023	0.012	No	37	0.01756	0.004096	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.02931	n/a	2/17/2023	0.0067	No	35	0.2239	0.03294	2.857	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6RZ	0.01787	n/a	2/17/2023	0.0067	No	21	0.0946	0.01394	4.762	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-7Z	0.04219	n/a	2/20/2023	0.015	No	17	0.02581	0.00552	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	2/21/2023	0.011	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-8Z	0.06382	n/a	2/20/2023	0.024	No	21	-3.57	0.2917	0	None	ln(x)	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-9	0.05337	n/a	2/21/2023	0.042	No	34	0.03874	0.005686	0	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-1	0.00076	n/a	2/16/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39RZ	0.0005	n/a	2/14/2023	0.0005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39Z	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-42	0.0005	n/a	2/13/2023	0.0005ND	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-43	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-50	0.0005	n/a	2/16/2023	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00056	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.0004J	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14Z	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.0005	n/a	2/22/2023	0.0005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-44	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-45R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47R	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-48	0.0005469	n/a	2/14/2023	0.00015J	No	17	-8.602	0.3675	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWC-49Z	0.0005	n/a	2/14/2023	0.0005ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0005	n/a	2/20/2023	0.0005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-6	0.0005	n/a	2/17/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7Z	0.0005	n/a	2/20/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8Z	0.0005	n/a	2/20/2023	0.0005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.012	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	74.29	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.009	n/a	2/16/2023	0.005ND	No	35	n/a	n/a	65.71	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	2/16/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3A	0.012	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41	0.015	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.0016J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.034	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	2/20/2023	0.005ND	No	36	n/a	n/a	77.78	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01362	n/a	2/20/2023	0.0015J	No	37	0.005363	0.003241	29.73	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-11R	0.02445	n/a	2/20/2023	0.0037J	No	27	0.199	0.03424	3.704	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.03	n/a	2/21/2023	0.005ND	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.035	n/a	2/22/2023	0.0038J	No	38	n/a	n/a	0	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.0024J	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14Z	0.01565	n/a	2/22/2023	0.005ND	No	36	0.05769	0.0264	30.56	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	59.46	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15Z	0.027	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0015J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.0058	Yes	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-46R	0.008155	n/a	2/14/2023	0.005J	No	18	0.003333	0.00165	16.67	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47	0.007262	n/a	2/14/2023	0.0018J	No	17	-6.245	0.4447	11.76	None	ln(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47R	0.018	n/a	2/14/2023	0.0027J	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-48	0.01	n/a	2/14/2023	0.0019J	No	17	n/a	n/a	29.41	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-49Z	0.00778	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.032	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	55.26	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.027	n/a	2/17/2023	0.0031J	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	2/17/2023	0.0022J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.0012J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.0053	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-9	0.018	n/a	2/21/2023	0.005ND	No	36	n/a	n/a	80.56	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.00065J	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39Z	0.0104	n/a	2/13/2023	0.005ND	No	17	0.04156	0.02036	29.41	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-3A	0.0057	n/a	2/17/2023	0.005ND	No	37	n/a	n/a	40.54	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.00039J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.03012	n/a	2/17/2023	0.017	No	17	0.01064	0.006563	5.882	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.005	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.013	n/a	2/20/2023	0.0026J	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.016	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0029J	No	37	n/a	n/a	8.108	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-13	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.0079	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15Z	0.005	n/a	2/22/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0014J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.0012J	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.0025J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-49Z	0.008028	n/a	2/14/2023	0.00096J	No	17	0.003094	0.001662	11.76	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWC-5	0.0073	n/a	2/20/2023	0.005ND	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	2/17/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.0067	n/a	2/21/2023	0.00043J	No	37	n/a	n/a	72.97	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.0094	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	2/16/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	2/16/2023	0.0011J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39RZ	0.011	n/a	2/14/2023	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39Z	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3A	0.06311	n/a	2/17/2023	0.0025ND	No	32	0.03315	0.01155	6.25	None	No	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-40	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.0012J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50	0.02262	n/a	2/16/2023	0.0015J	No	27	0.07647	0.02773	14.81	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-50R	0.02138	n/a	2/16/2023	0.0028J	No	16	-5.507	0.5512	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.006	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-10R	0.007	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.013	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.019	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.0067	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.005	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.013	n/a	2/22/2023	0.0014J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14Z	0.0056	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.02	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15Z	0.021	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.0054	Yes	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45	0.012	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.0016J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-49Z	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.07478	n/a	2/20/2023	0.023	No	32	0.1527	0.04654	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-6	0.0069	n/a	2/17/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	66.67	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0028	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.002536	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.001	n/a	2/16/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39RZ	0.0011	n/a	2/14/2023	0.001ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39Z	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-40	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41R	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-42	0.001	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43R	0.0038	n/a	2/13/2023	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.001	n/a	2/17/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50	0.001	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0012	n/a	2/16/2023	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0011	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-44	0.001018	n/a	2/14/2023	0.001ND	No	17	0.0004531	0.0001903	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Lead (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-48	0.002529	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-9	0.0012	n/a	2/21/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	2/16/2023	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.0093	n/a	2/16/2023	0.005ND	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39Z	0.01656	n/a	2/13/2023	0.00095J	No	15	0.1494	0.03401	33.33	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-3A	0.05189	n/a	2/17/2023	0.005ND	No	29	0.02228	0.01125	6.897	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-41	0.0089	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-41R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-42	0.005	n/a	2/13/2023	0.0013J	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43R	0.005	n/a	2/13/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.005	n/a	2/17/2023	0.005ND	No	10	n/a	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.00082J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-50R	0.006681	n/a	2/16/2023	0.00081J	No	16	0.0445	0.01236	6.25	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-10	0.032	n/a	2/20/2023	0.0019J	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-10R	0.006	n/a	2/20/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0087	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.005	n/a	2/20/2023	0.005ND	No	33	n/a	n/a	93.94	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.029	n/a	2/21/2023	0.0022J	No	33	n/a	n/a	39.39	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-13	0.015	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	31	n/a	n/a	80.65	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14Z	0.011	n/a	2/22/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0096	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	59.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15Z	0.019	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-44	0.005	n/a	2/14/2023	0.00073J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-45	0.005	n/a	2/14/2023	0.00092J	No	16	n/a	n/a	6.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-45R	0.005	n/a	2/14/2023	0.004J	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	2/14/2023	0.0058	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-49R	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-49Z	0.007304	n/a	2/14/2023	0.0018J	No	16	0.003263	0.001341	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.06412	n/a	2/20/2023	0.0087	No	33	0.14	0.04382	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.022	n/a	2/17/2023	0.005ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7Z	0.005	n/a	2/20/2023	0.005ND	No	11	n/a	n/a	36.36	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-8RR	0.005	n/a	2/21/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8Z	0.005	n/a	2/20/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.014	n/a	2/21/2023	0.001J	No	31	n/a	n/a	35.48	n/a	n/a	0.001905	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	2/16/2023	0.0014J	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.005	n/a	2/16/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-43	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.0074	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14Z	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15R	0.005	n/a	2/22/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-44	0.007965	n/a	2/14/2023	0.005ND	No	17	0.003736	0.001425	41.18	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Selenium (mg/L)	GWC-46R	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-48	0.005	n/a	2/14/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-5	0.0072	n/a	2/20/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.005	n/a	2/17/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8Z	0.0089	n/a	2/20/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	2/21/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-39RZ	0.005	n/a	2/14/2023	0.005ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50	0.005	n/a	2/16/2023	0.005ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004422	n/a	2/16/2023	0.0011J	No	27	0.002051	0.0008896	29.63	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Silver (mg/L)	GWC-12	0.005	n/a	2/21/2023	0.005ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-13RZ	0.005	n/a	2/22/2023	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	2/16/2023	0.01ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	2/16/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	2/14/2023	0.01ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3A	0.01	n/a	2/17/2023	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43R	0.01	n/a	2/13/2023	0.01ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	2/17/2023	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	2/16/2023	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	2/20/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.01	n/a	2/21/2023	0.0034J	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.01	n/a	2/22/2023	0.0019J	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	2/22/2023	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14Z	0.012	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	2/22/2023	0.01ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15Z	0.012	n/a	2/22/2023	0.01ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-45	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-47R	0.01	n/a	2/14/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	2/20/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-6	0.01	n/a	2/17/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	2/21/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8Z	0.01	n/a	2/20/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	2/21/2023	0.003J	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.02	n/a	2/16/2023	0.02ND	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	2/16/2023	0.02ND	No	31	n/a	n/a	51.61	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2R	0.02	n/a	2/16/2023	0.02ND	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-39RZ	0.02	n/a	2/14/2023	0.02ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-39Z	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3A	0.1542	n/a	2/17/2023	0.02ND	No	32	0.2389	0.05929	9.375	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-40	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-42	0.01923	n/a	2/13/2023	0.011J	No	16	0.1016	0.0123	31.25	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-43	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-43R	0.02	n/a	2/13/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.02	n/a	2/17/2023	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50	0.02	n/a	2/16/2023	0.02ND	No	26	n/a	n/a	34.62	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-50R	0.02	n/a	2/16/2023	0.02ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.05529	n/a	2/20/2023	0.02ND	No	33	0.1855	0.07566	36.36	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	45.45	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11R	0.02	n/a	2/20/2023	0.02ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.1057	n/a	2/21/2023	0.01ND	No	33	-4.54	0.8876	12.12	None	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13	0.02243	n/a	2/22/2023	0.02ND	No	29	0.00862	0.005244	31.03	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2

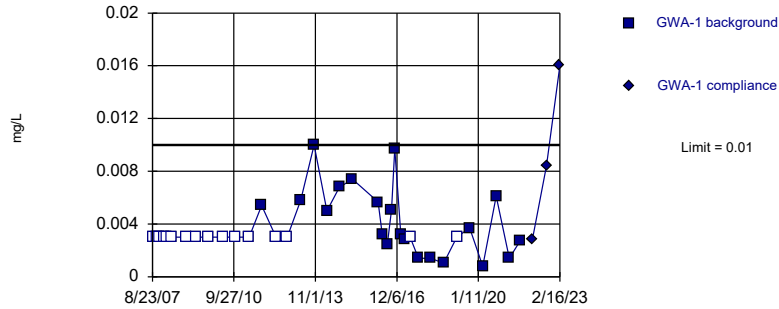
Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-13RZ	0.02	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-14Z	0.02	n/a	2/22/2023	0.02ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.01505	n/a	2/22/2023	0.02ND	No	31	-5.351	0.4432	22.58	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-15Z	0.025	n/a	2/22/2023	0.02ND	No	29	n/a	n/a	48.28	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-44	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	31.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45R	0.01378	n/a	2/14/2023	0.02ND	No	16	-5.474	0.3946	31.25	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-46R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-47	0.06114	n/a	2/14/2023	0.05	No	17	0.02981	0.01056	11.76	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-47R	0.04226	n/a	2/14/2023	0.031	No	16	0.01744	0.008235	12.5	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-48	0.02	n/a	2/14/2023	0.011J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-49R	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-49Z	0.02	n/a	2/14/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-5	0.07406	n/a	2/20/2023	0.032	No	14	0.03902	0.01099	7.143	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-6	0.021	n/a	2/17/2023	0.02ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-6RZ	0.02	n/a	2/17/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7Z	0.02	n/a	2/20/2023	0.02ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	2/21/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8Z	0.02	n/a	2/20/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.02176	n/a	2/21/2023	0.02ND	No	29	0.07971	0.02575	24.14	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

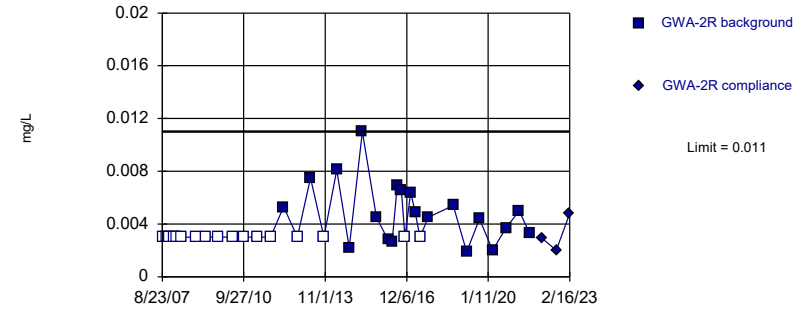


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 43.24% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

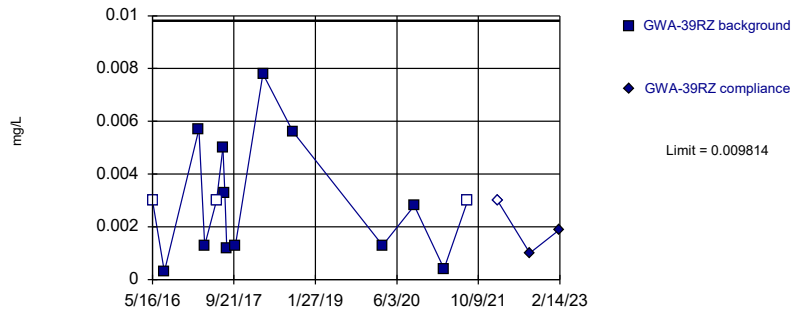


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 45.95% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

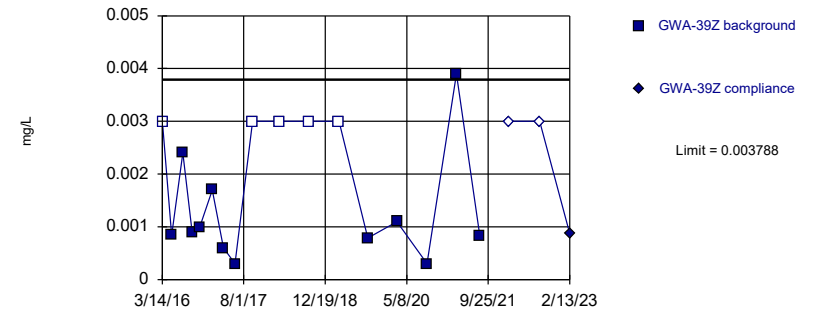


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00252, Std. Dev.=0.002352, n=15, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.914, critical = 0.835. Kappa = 3.102 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

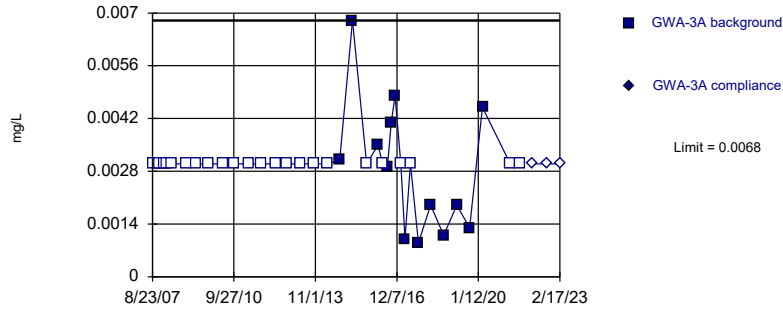


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00115, Std. Dev.=0.0008886, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.863, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

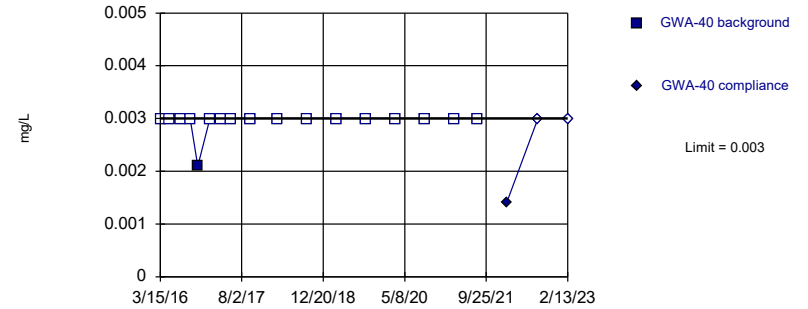


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 64.86% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

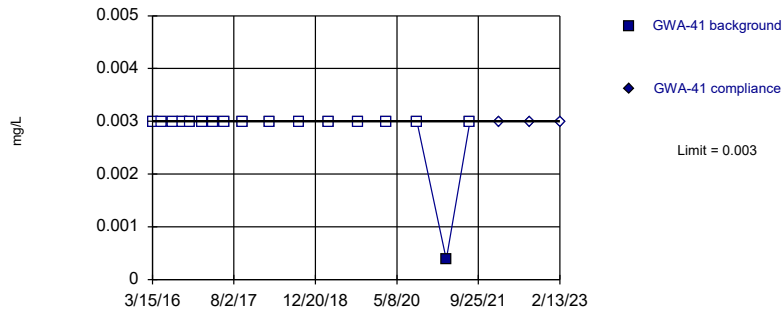


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

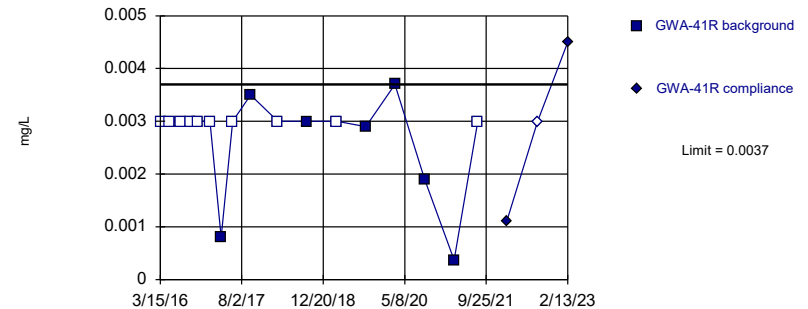


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

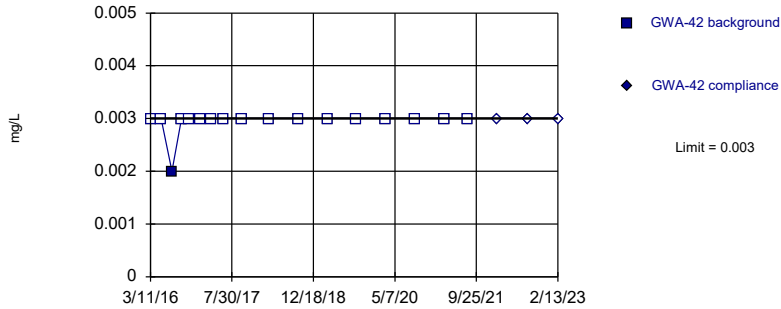


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

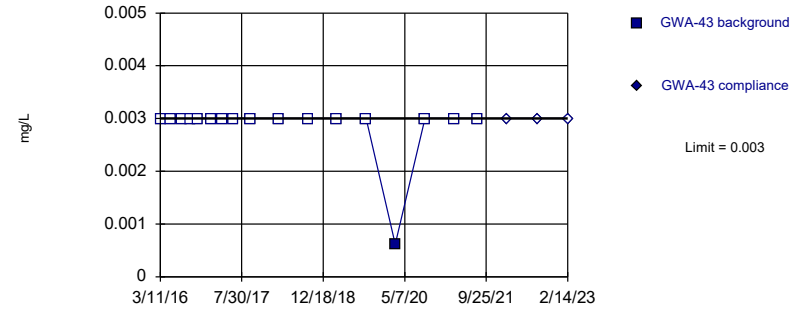


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

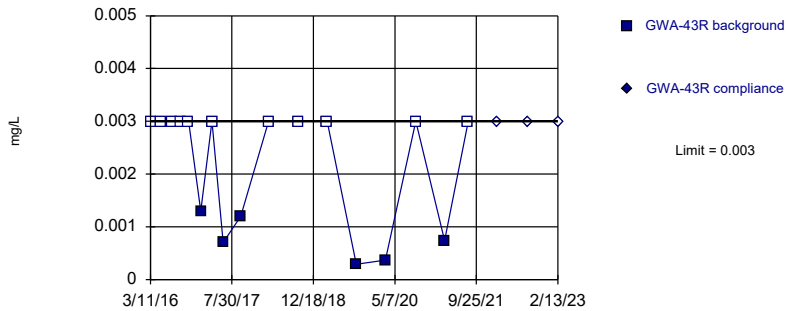


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

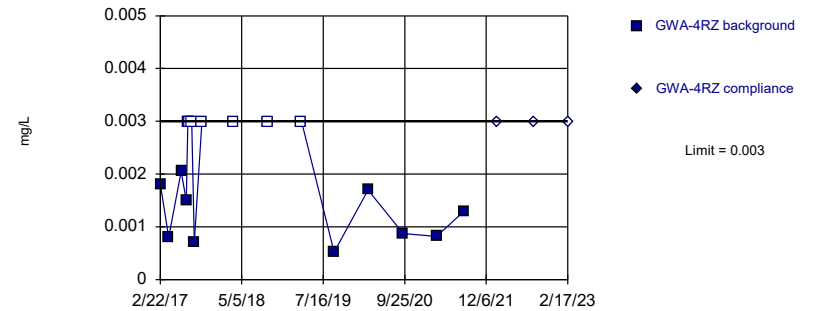


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

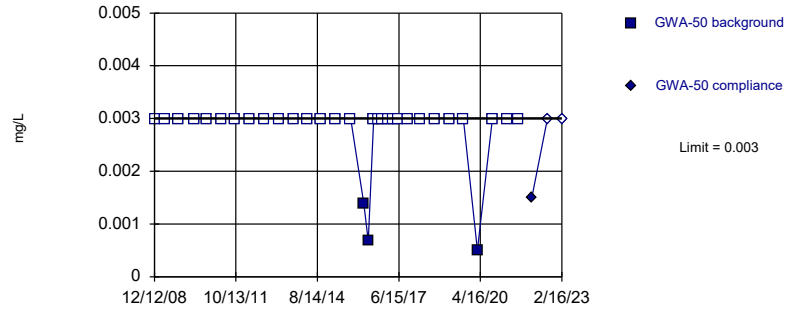


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

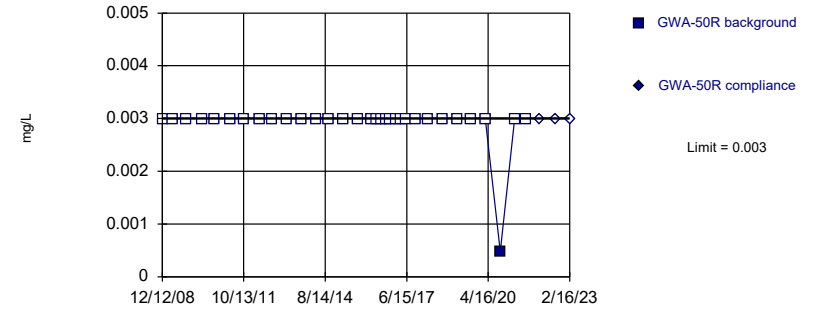


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

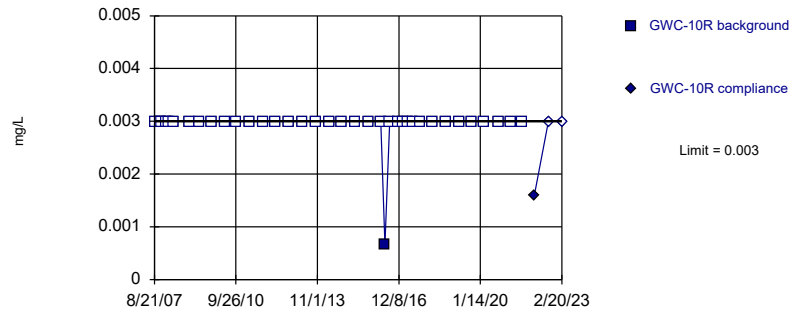


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

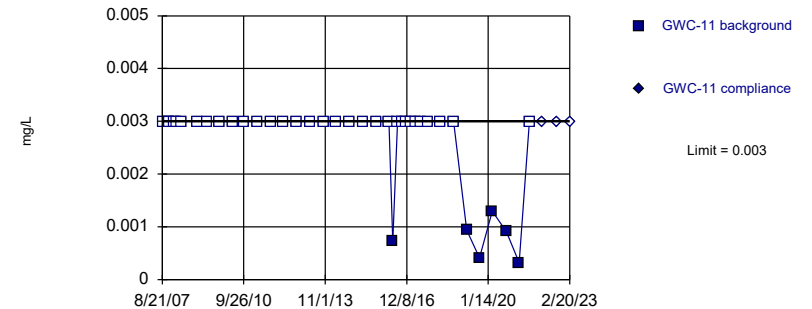


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

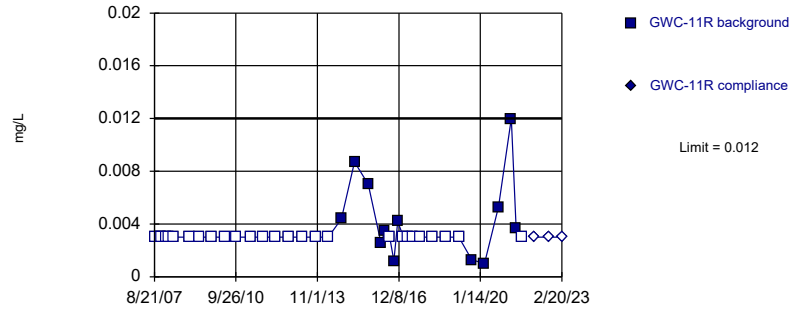


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

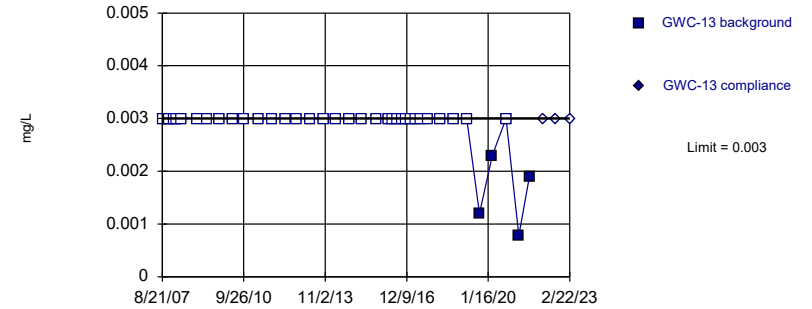


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.002451. Individual comparison alpha = 0.001226 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

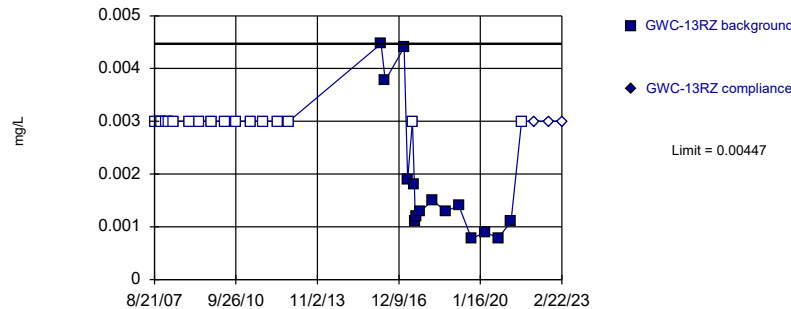


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

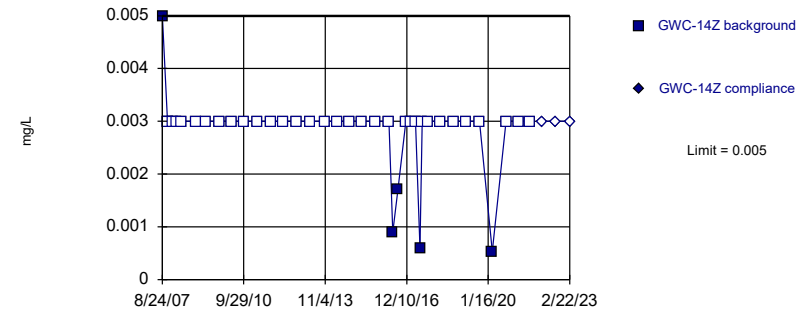


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

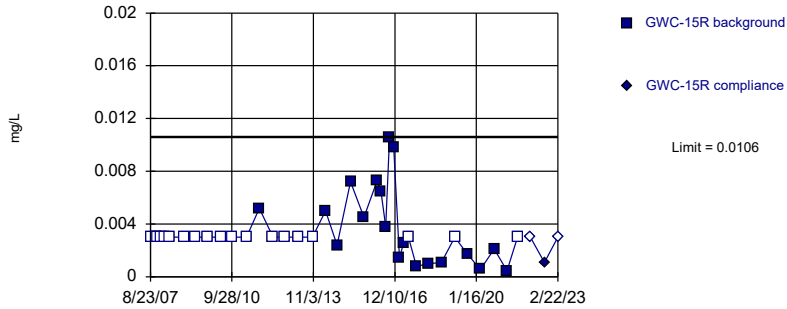


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

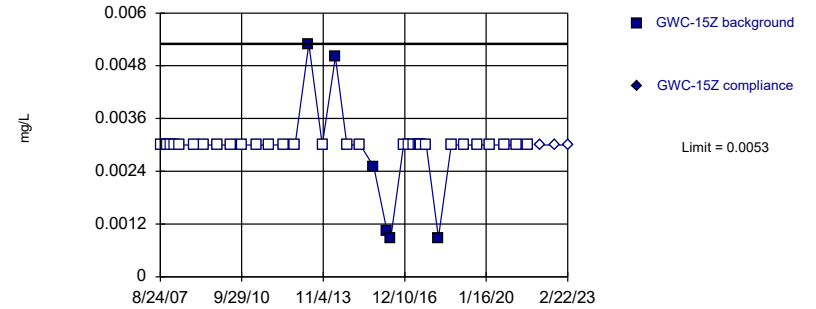


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 50% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

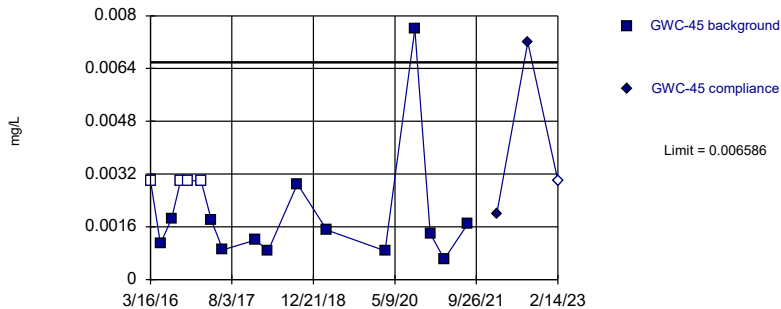


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

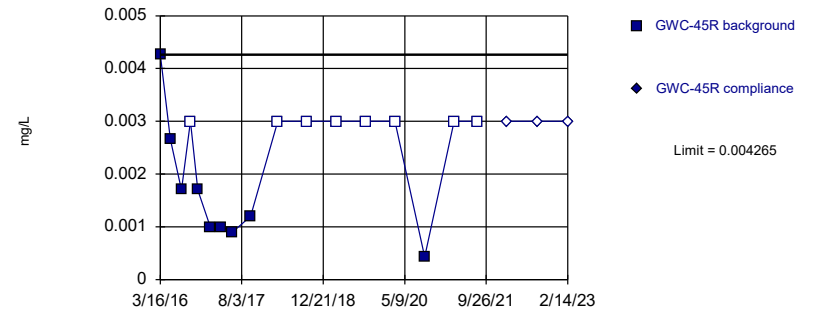


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03948, Std. Dev.=0.01404, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8653, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

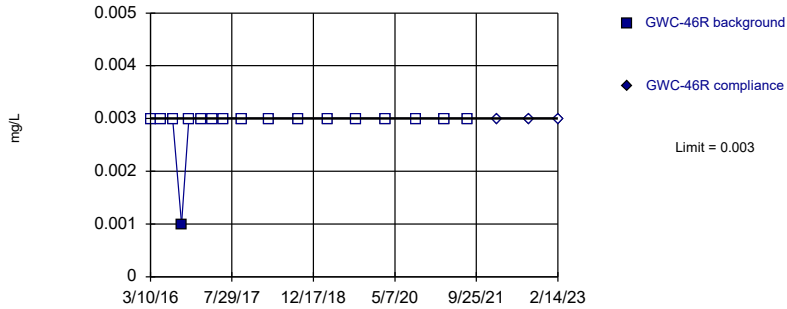


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001357, Std. Dev.=0.0009798, n=17, 47.06% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8661, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:15 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

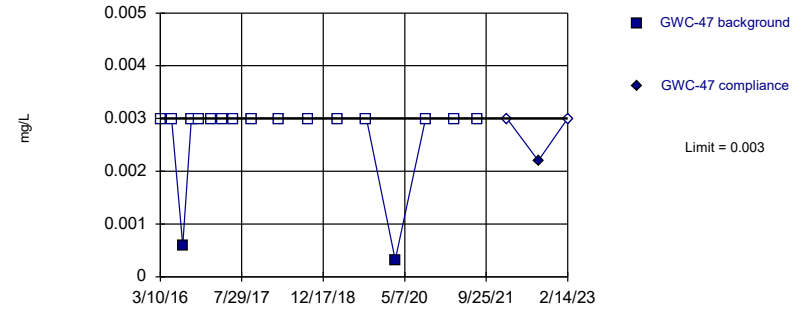


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

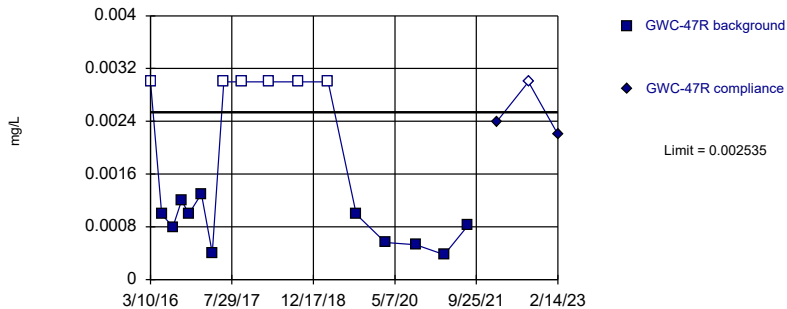


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

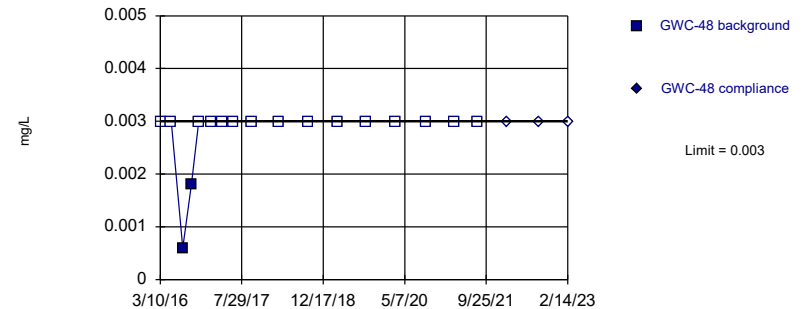


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-7.189, Std. Dev.=0.4083, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8689, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

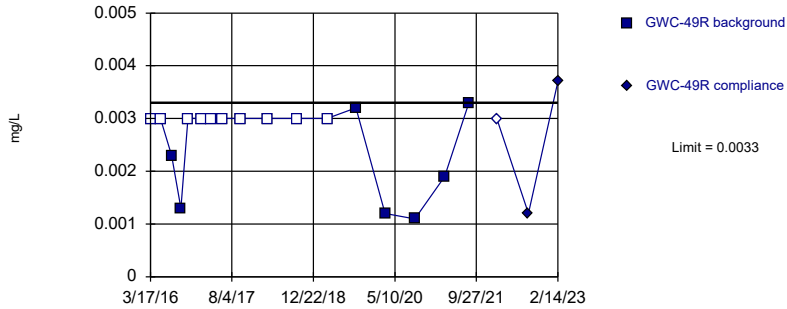


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

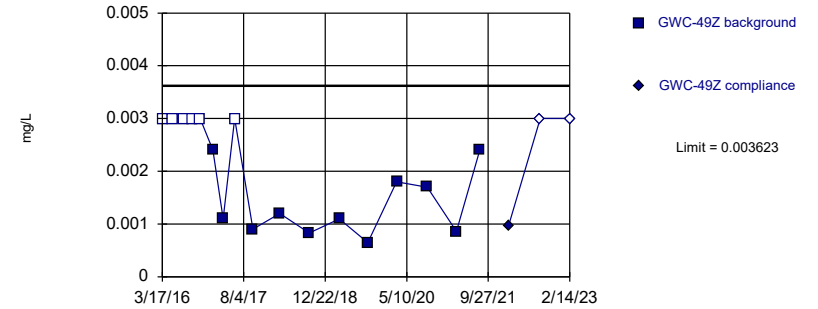


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

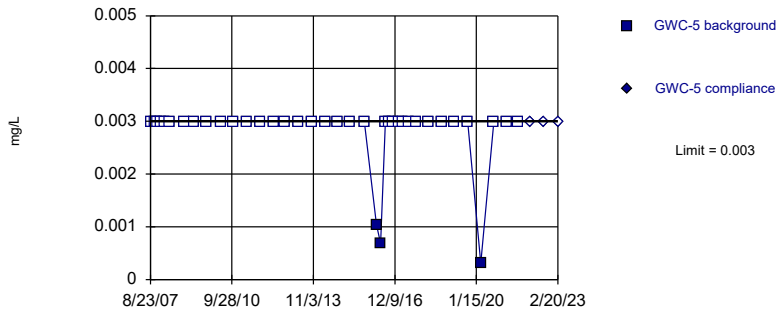


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.797, Std. Dev.=0.3965, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8546, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

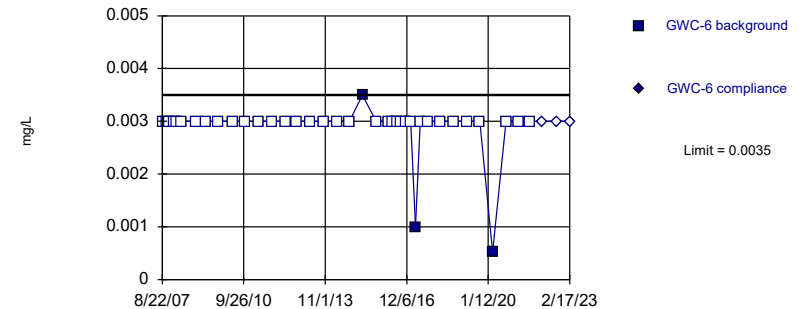


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

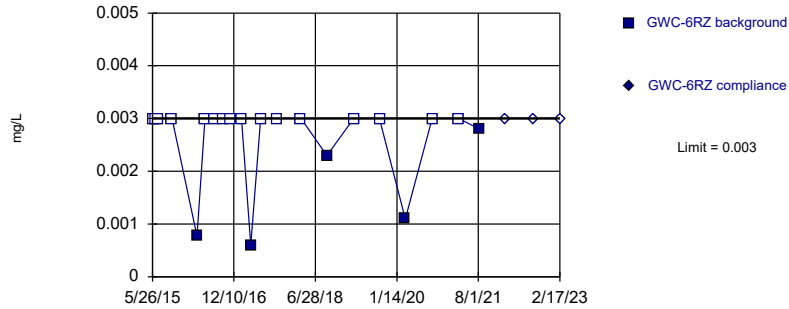


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

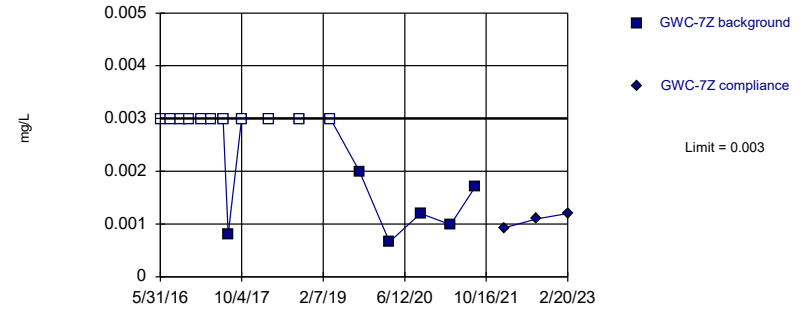


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

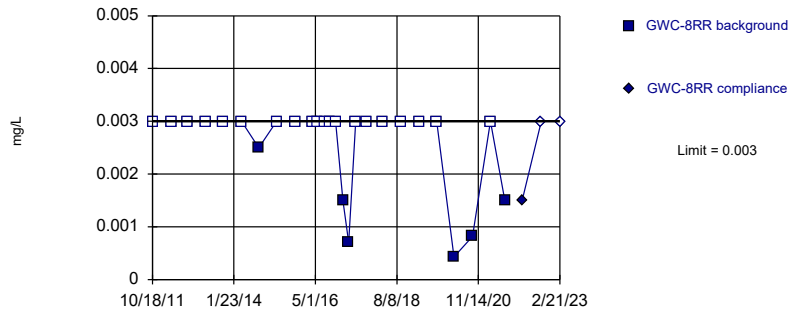


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

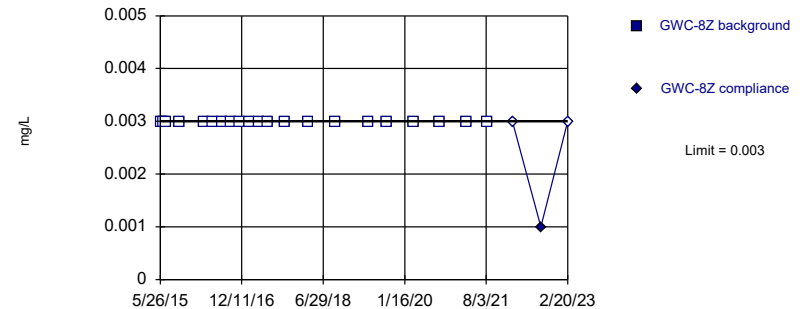


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

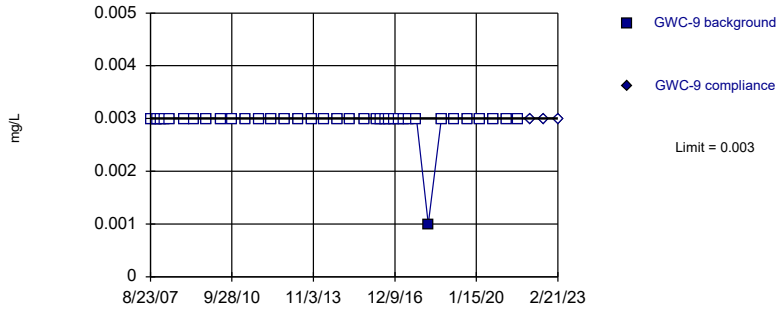


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 21) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

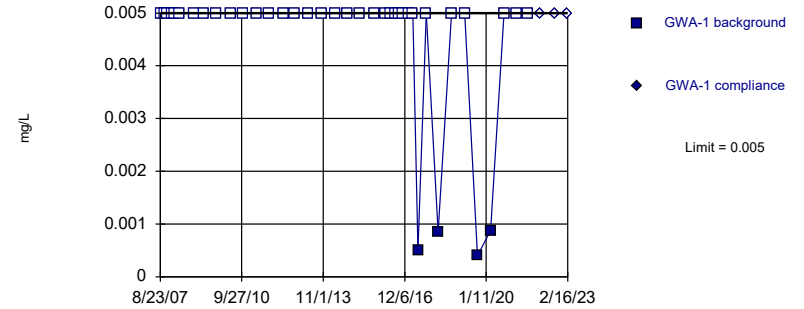


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

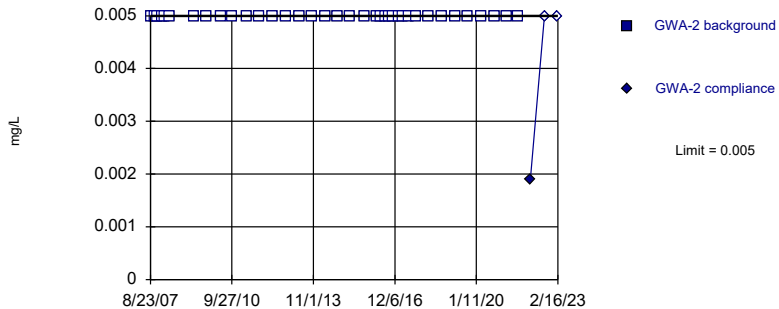


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

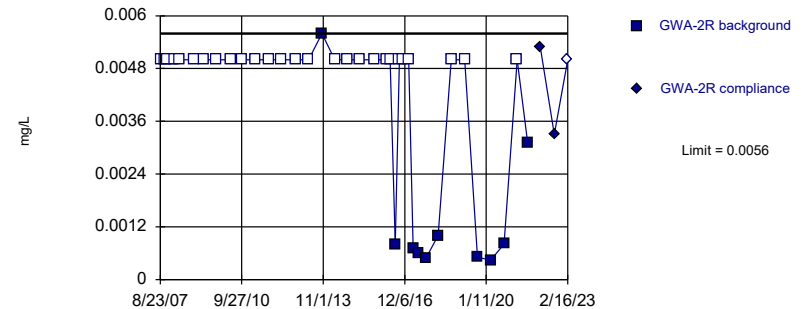


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

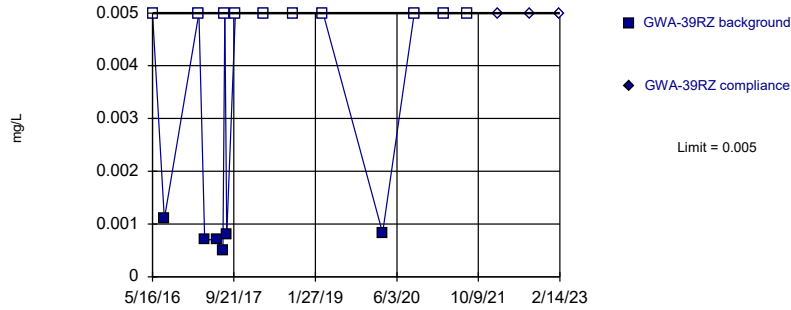


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

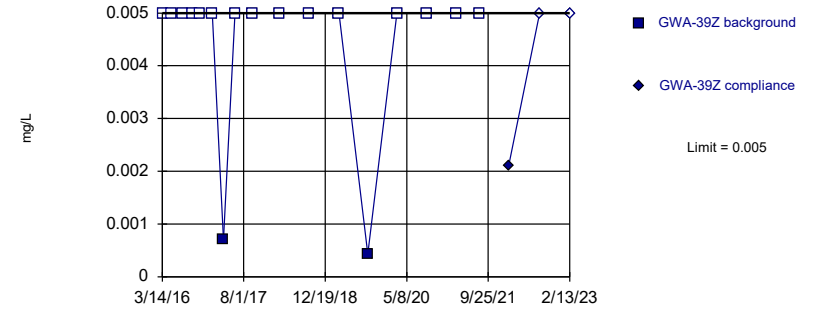


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

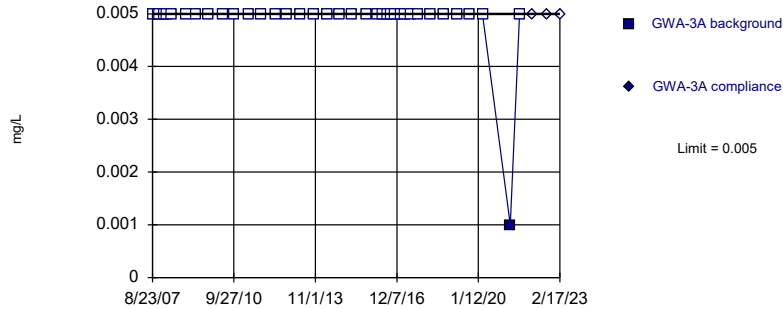


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

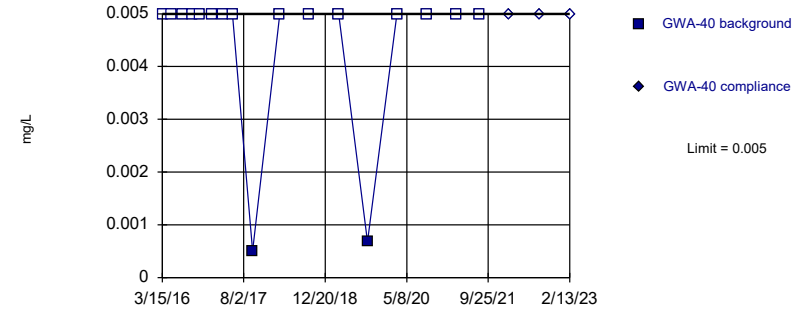


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

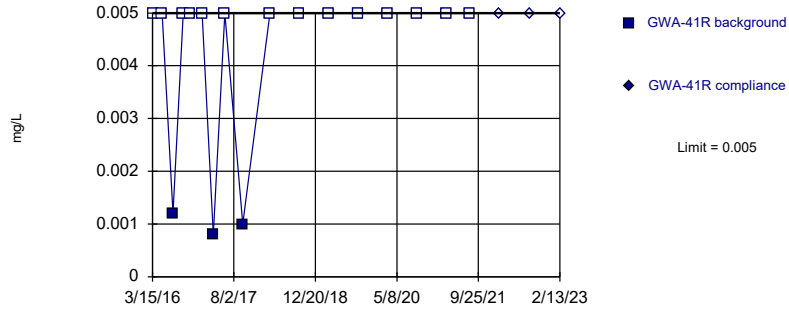


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

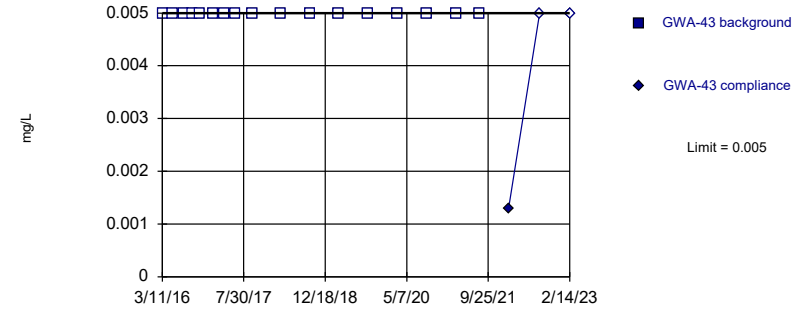


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

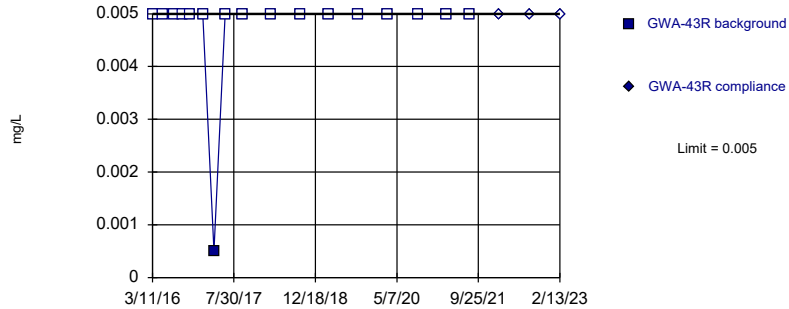


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

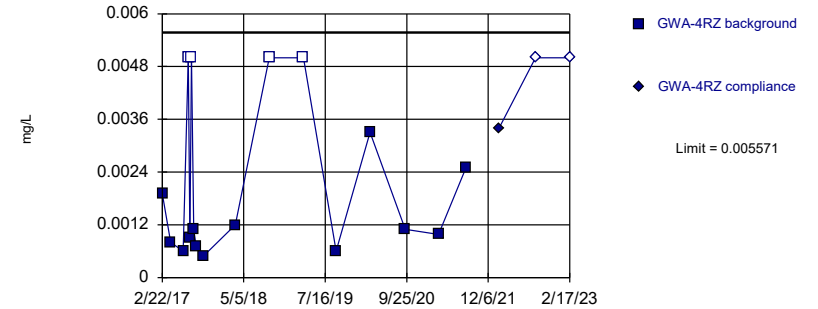


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

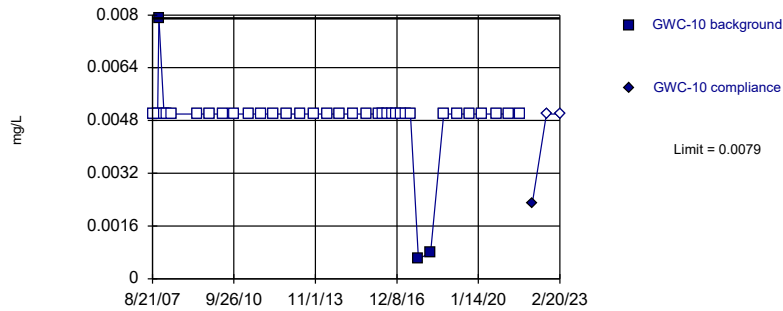


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.903, Std. Dev.=0.5772, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8784, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

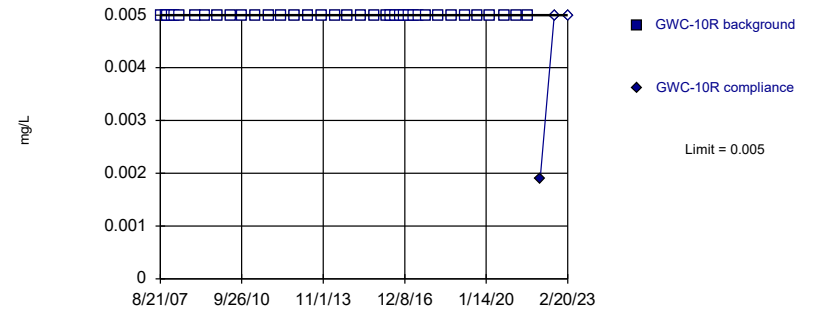


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

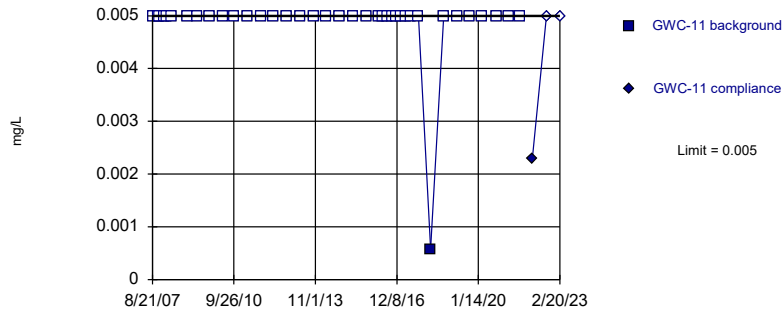


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

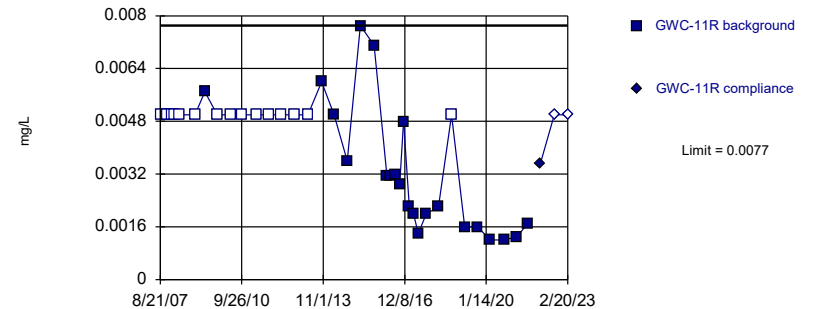


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

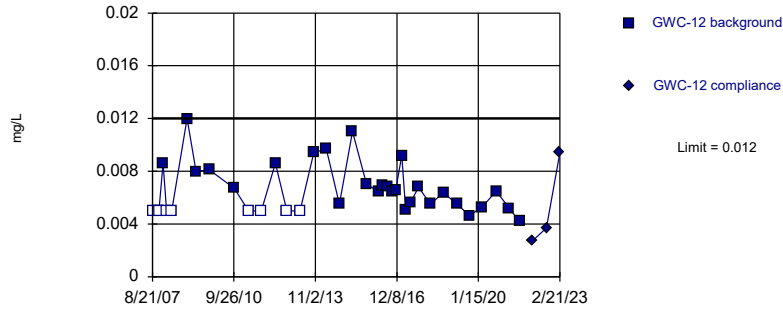


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 42.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

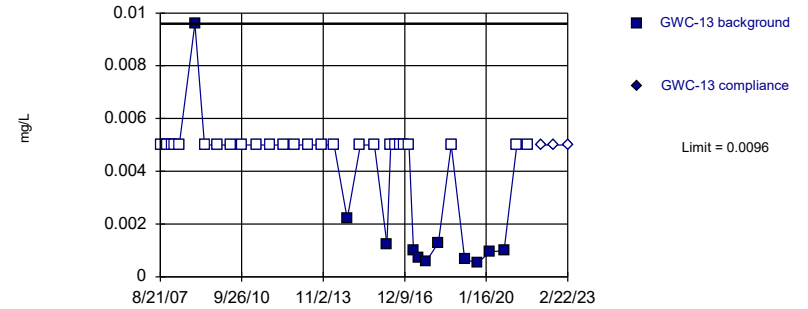


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

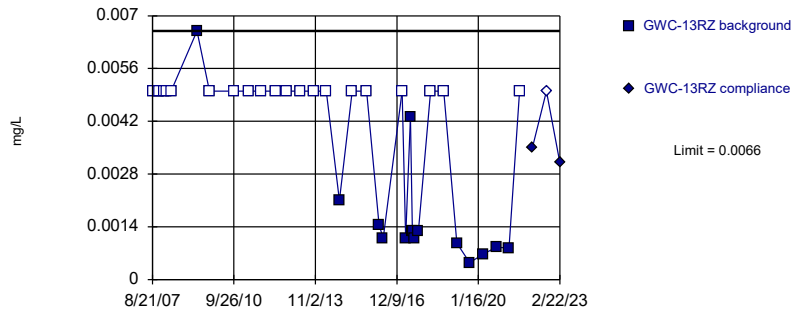


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

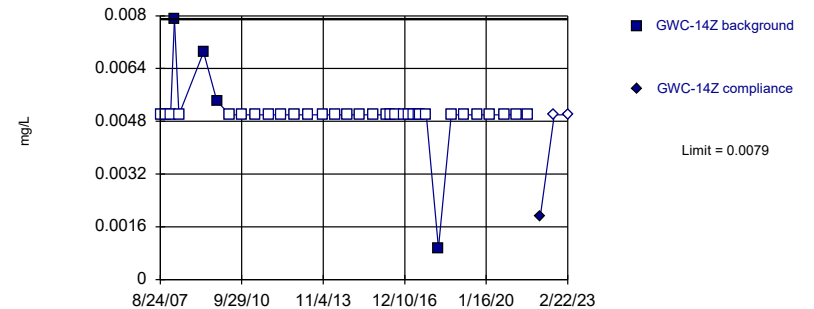


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

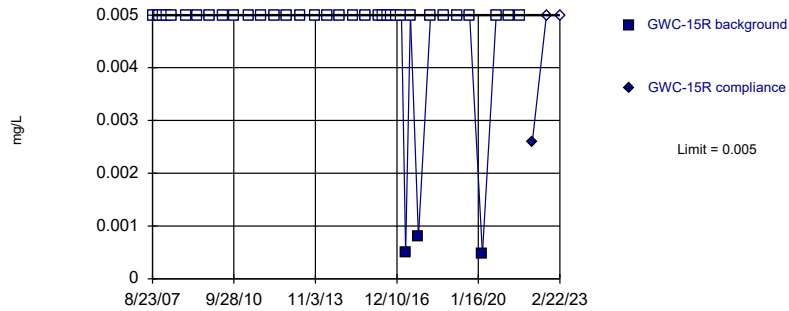


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 89.19% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

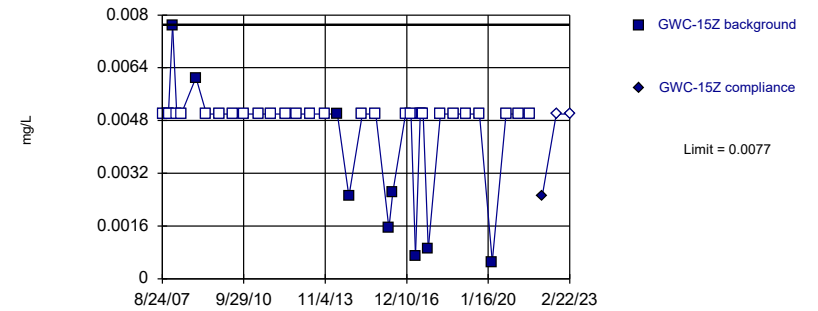


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

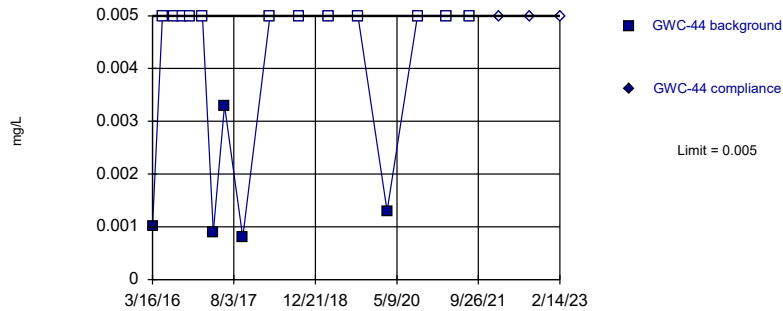


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

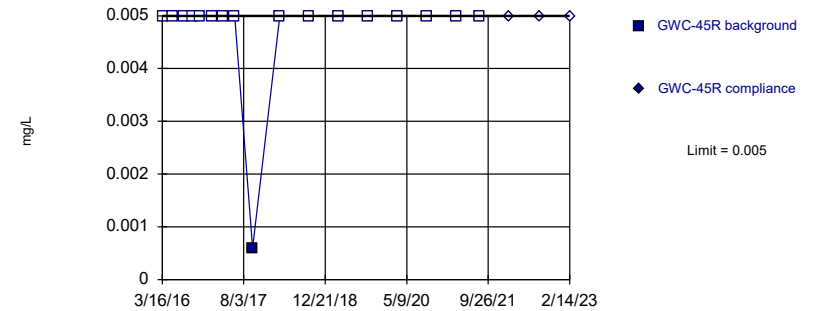


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

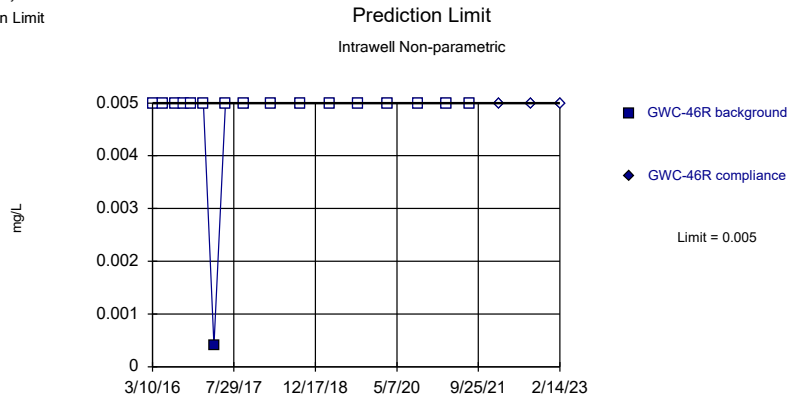
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

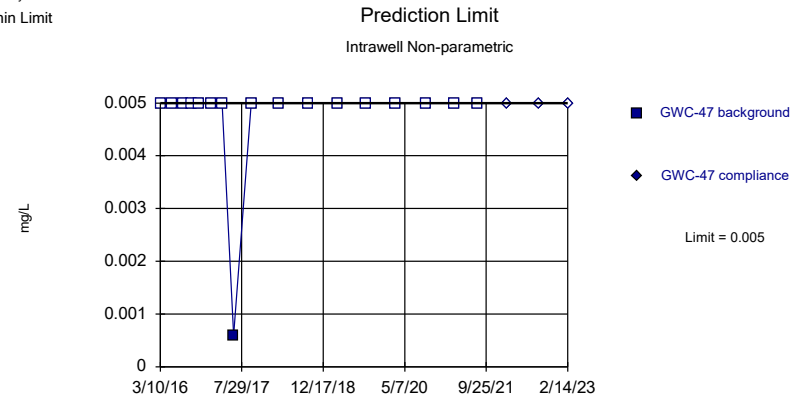
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

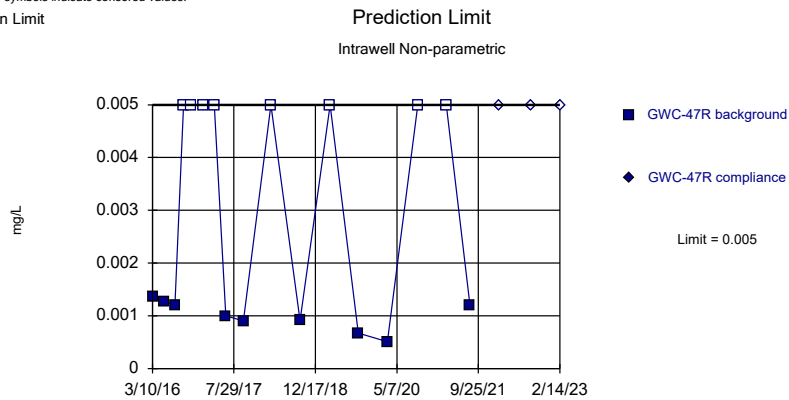
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

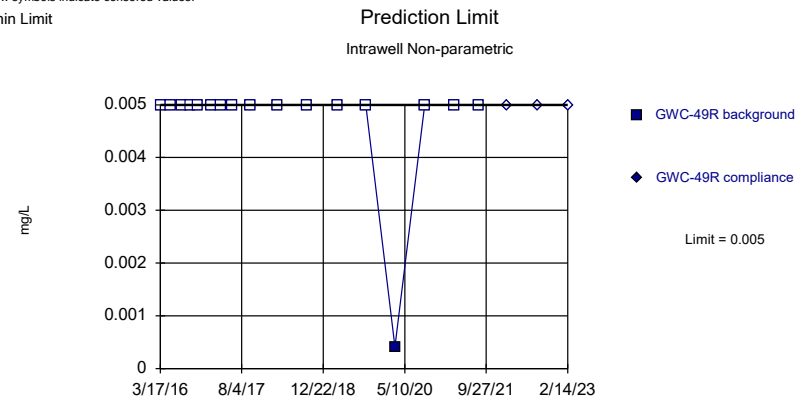
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

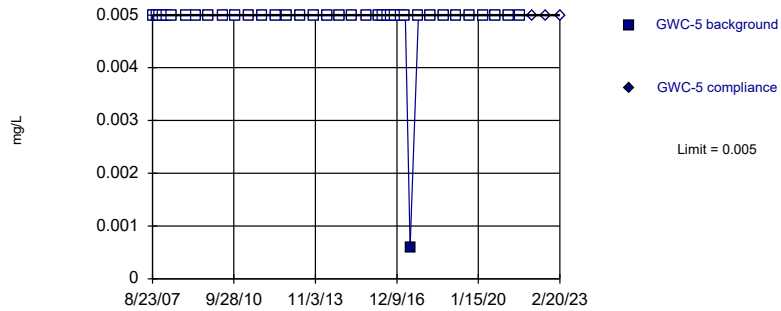


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

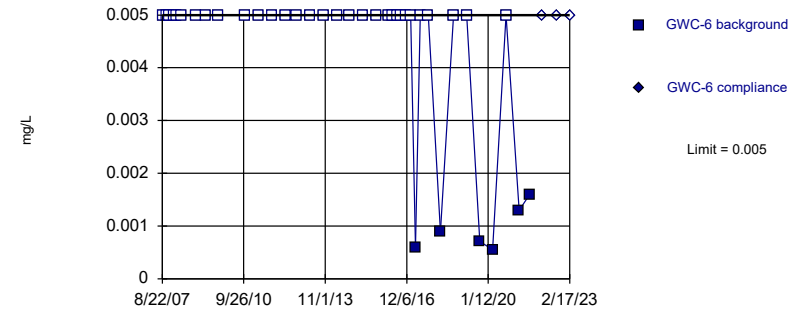


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

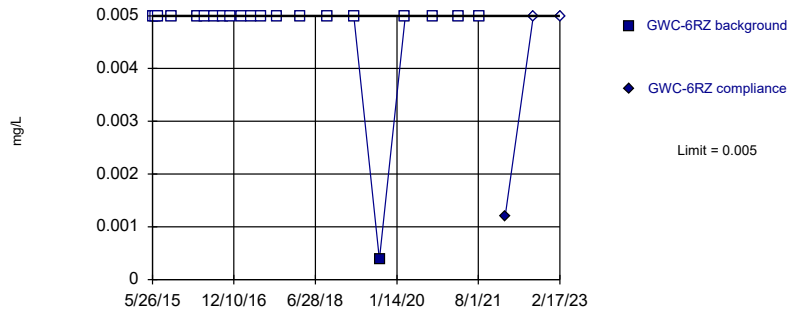


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

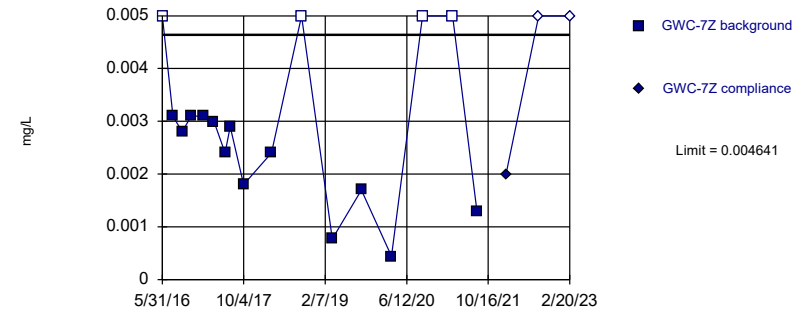


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

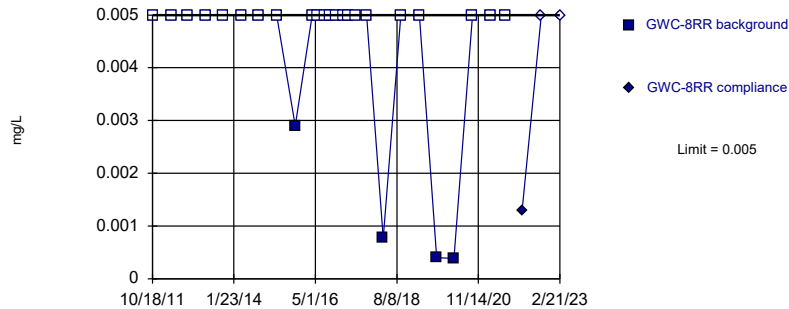


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001929, Std. Dev.=0.0009137, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

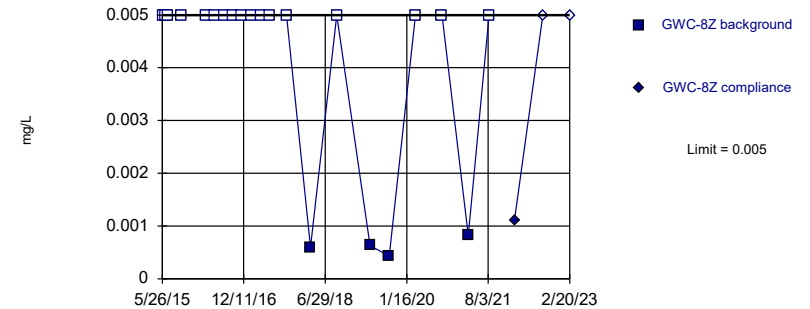


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

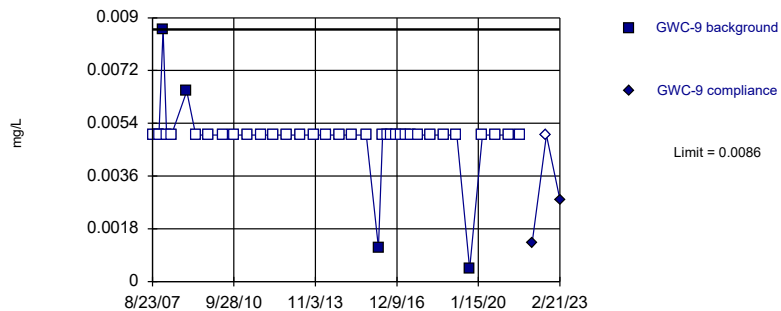


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

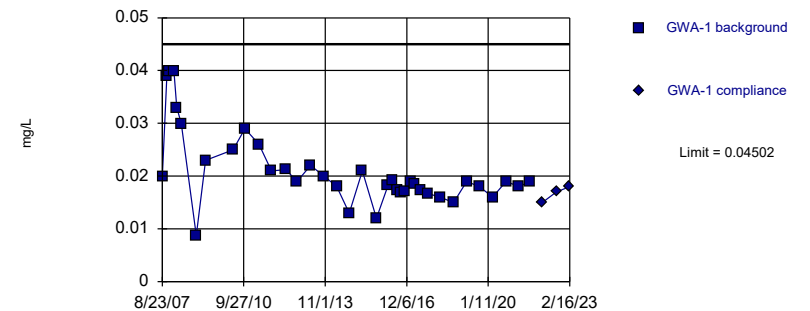


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

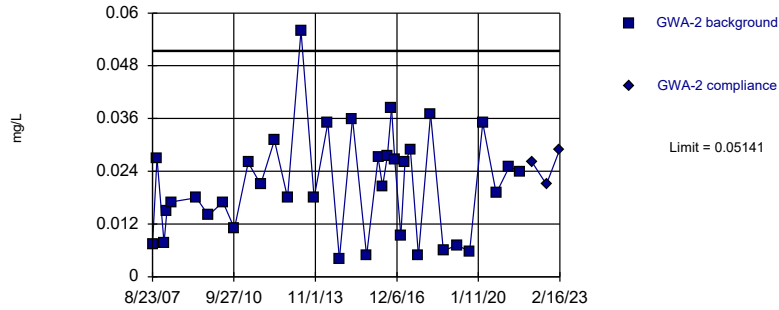


Background Data Summary (based on natural log transformation): Mean=-3.909, Std. Dev.=0.3174, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

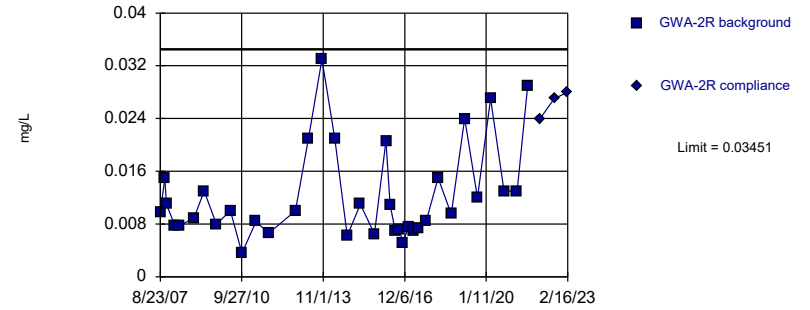


Background Data Summary: Mean=0.0209, Std. Dev.=0.01195, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

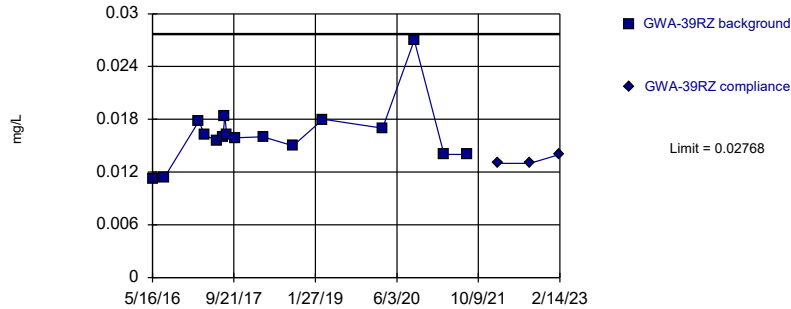


Background Data Summary (based on cube root transformation): Mean=0.2237, Std. Dev.=0.03988, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9207, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

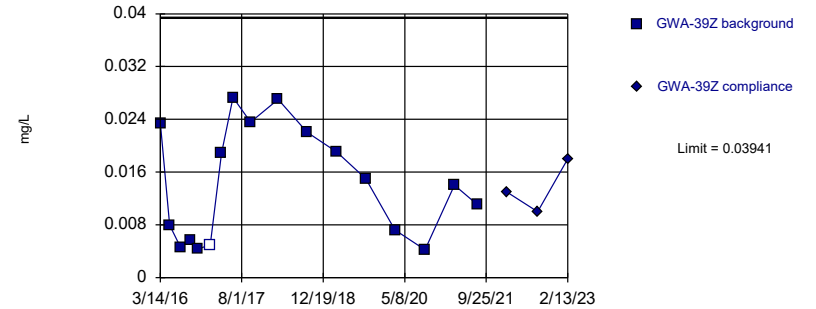


Background Data Summary (based on square root transformation): Mean=0.1268, Std. Dev.=0.01313, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

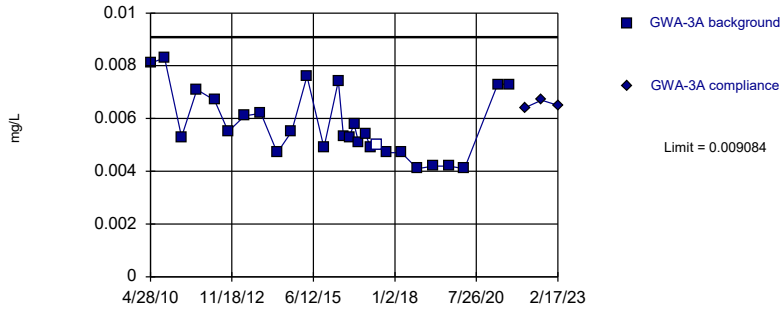


Background Data Summary: Mean=0.01411, Std. Dev.=0.008521, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8893, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

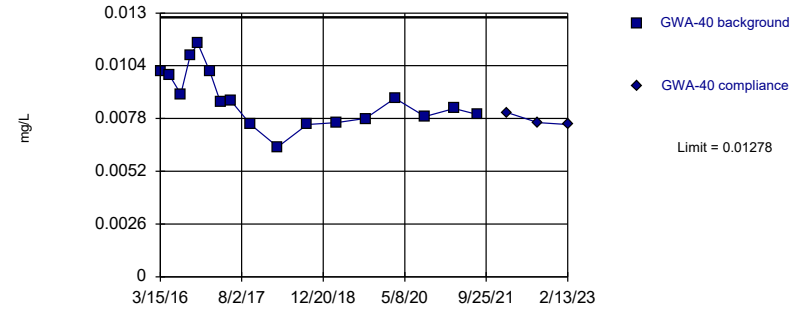


Background Data Summary: Mean=0.005744, Std. Dev.=0.001261, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.896. Kappa = 2.649 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

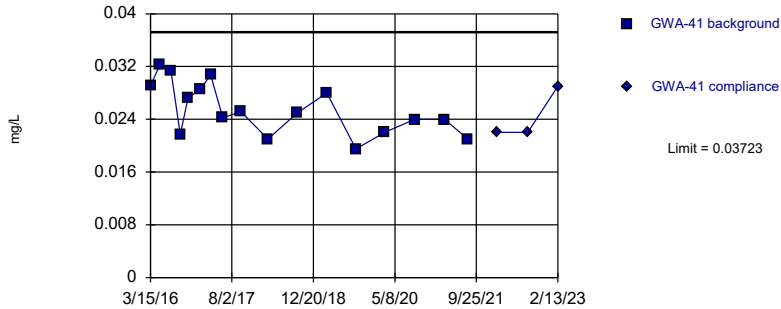


Background Data Summary: Mean=0.008742, Std. Dev.=0.001361, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

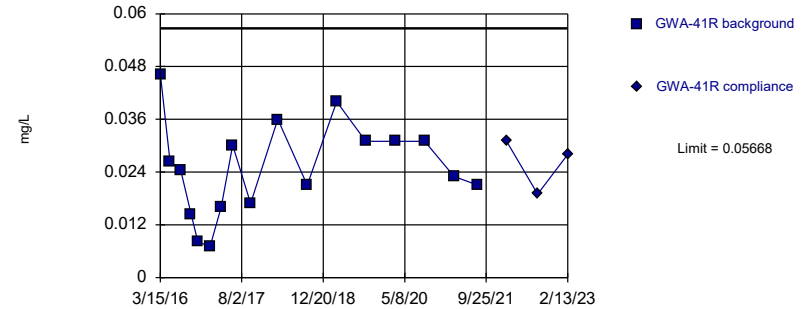


Background Data Summary: Mean=0.02557, Std. Dev.=0.003928, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9521, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

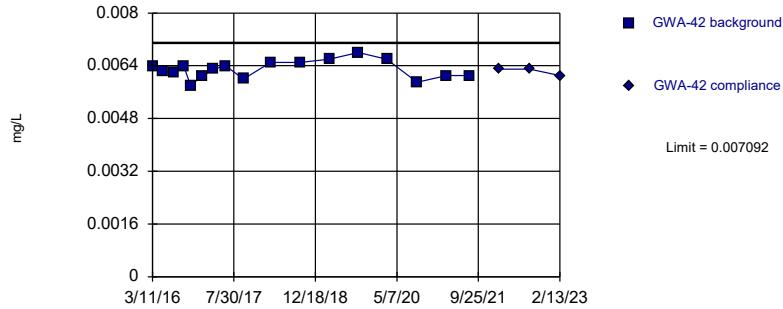


Background Data Summary: Mean=0.02492, Std. Dev.=0.0107, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9803, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:16 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

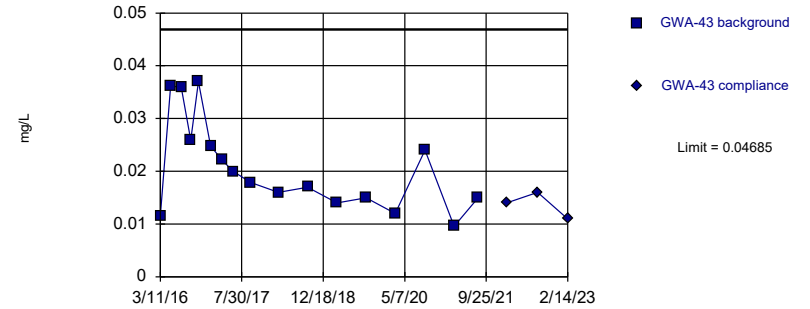


Background Data Summary: Mean=0.006289, Std. Dev.=0.0002707, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9814, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

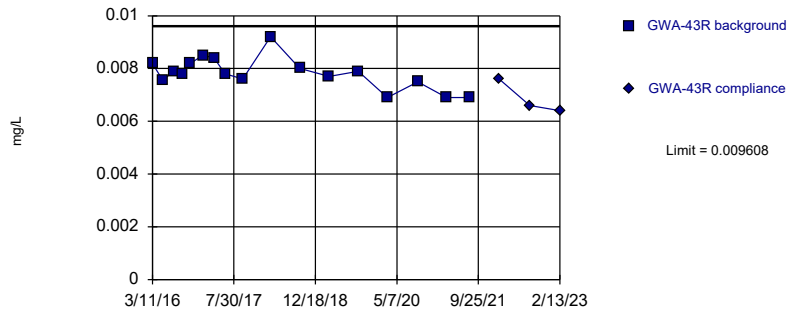


Background Data Summary: Mean=0.02083, Std. Dev.=0.008765, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

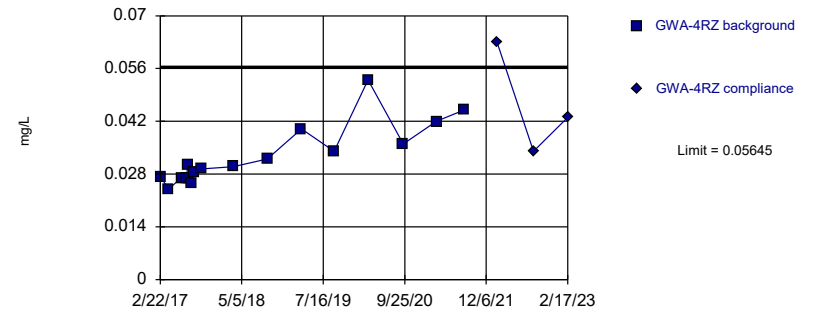


Background Data Summary: Mean=0.007821, Std. Dev.=0.0006022, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9477, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

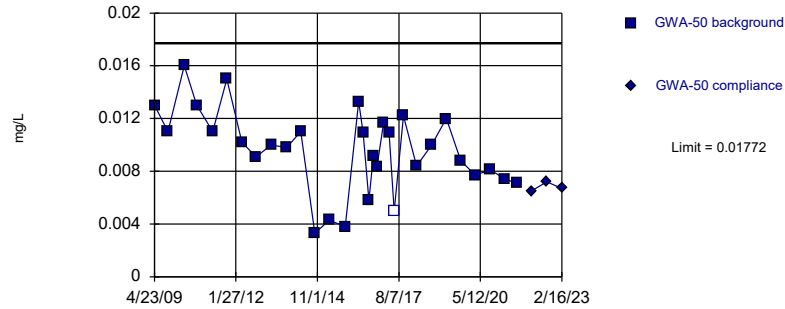


Background Data Summary: Mean=0.03282, Std. Dev.=0.00796, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8669, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

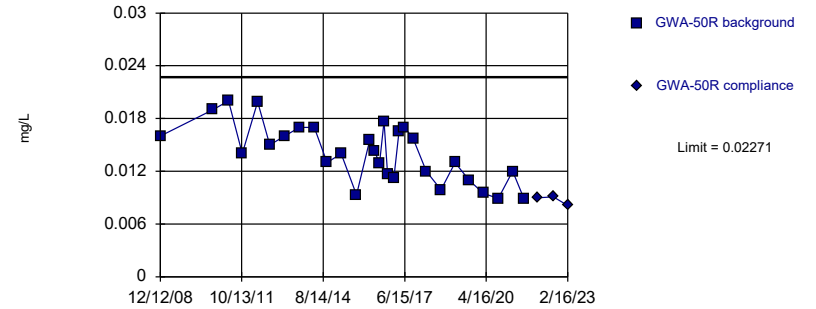


Background Data Summary: Mean=0.00959, Std. Dev.=0.00312, n=31, 3.226% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9775, critical = 0.902. Kappa = 2.606 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

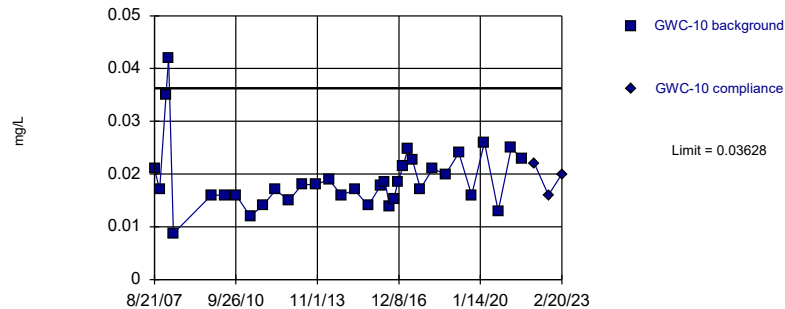


Background Data Summary: Mean=0.01407, Std. Dev.=0.00328, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

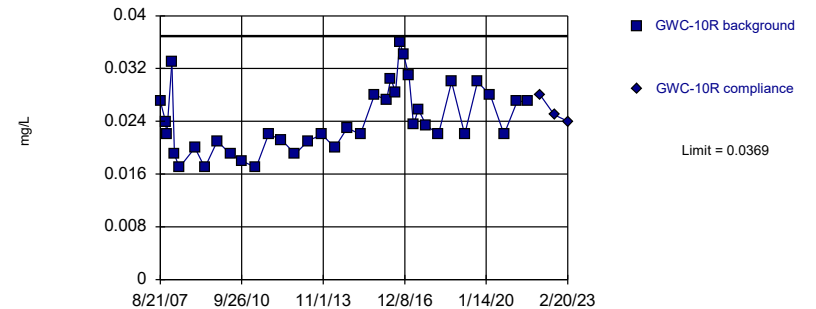


Background Data Summary (based on square root transformation): Mean=0.1368, Std. Dev.=0.02096, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.91. Kappa = 2.562 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

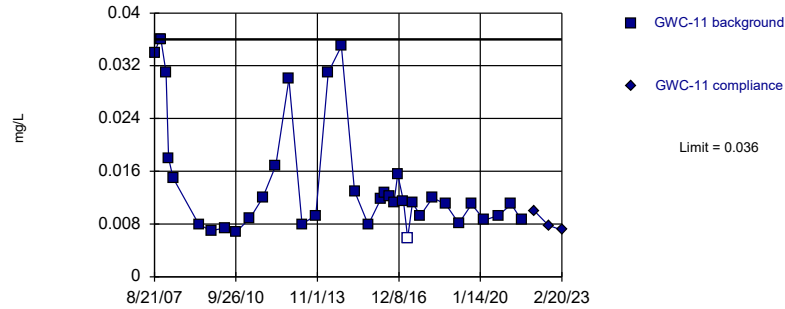


Background Data Summary: Mean=0.02421, Std. Dev.=0.005, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.916. Kappa = 2.538 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

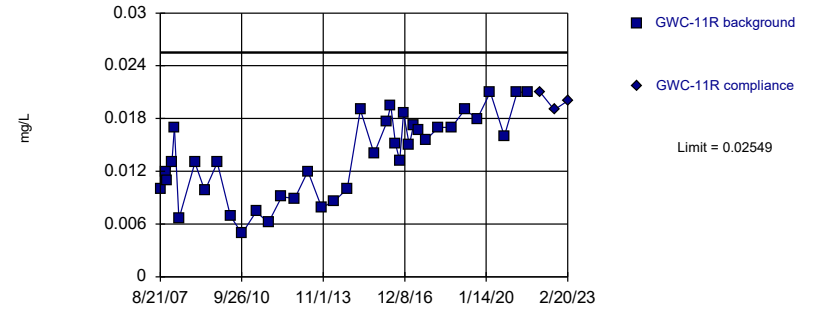


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 2.703% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

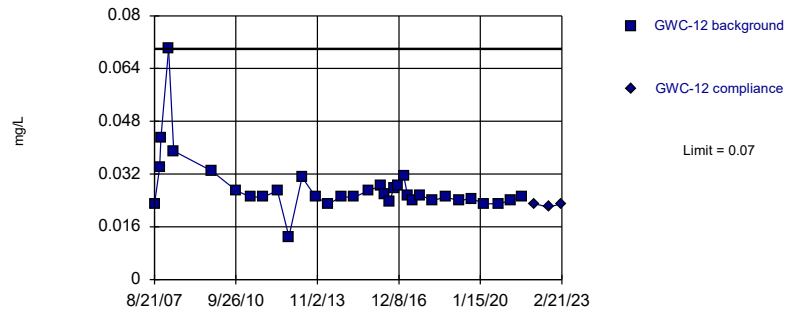


Background Data Summary: Mean=0.01365, Std. Dev.=0.004665, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9474, critical = 0.916. Kappa = 2.538 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

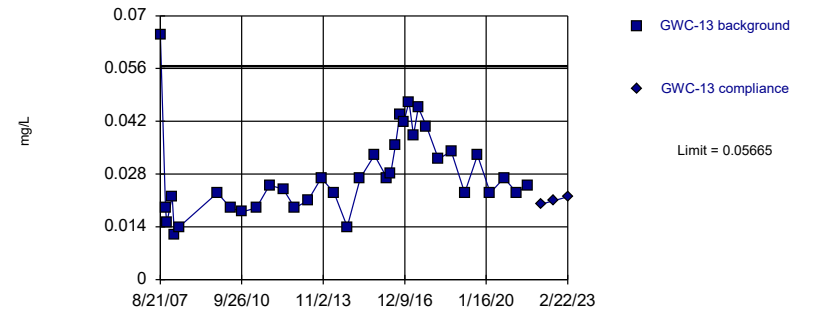


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 34 background values. Well-constituent pair annual alpha = 0.003195. Individual comparison alpha = 0.001599 (1 of 2).

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

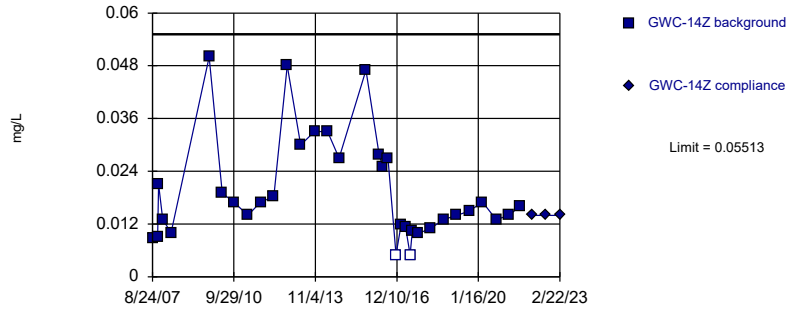


Background Data Summary: Mean=0.02799, Std. Dev.=0.01122, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

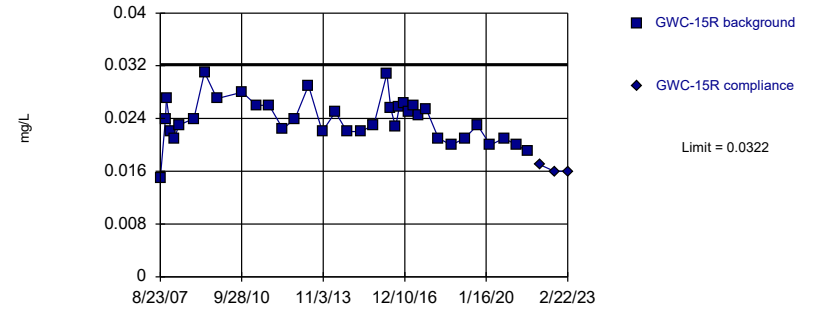


Background Data Summary (based on square root transformation): Mean=0.134, Std. Dev.=0.03917, n=34, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9272, critical = 0.908. Kappa = 2.573 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

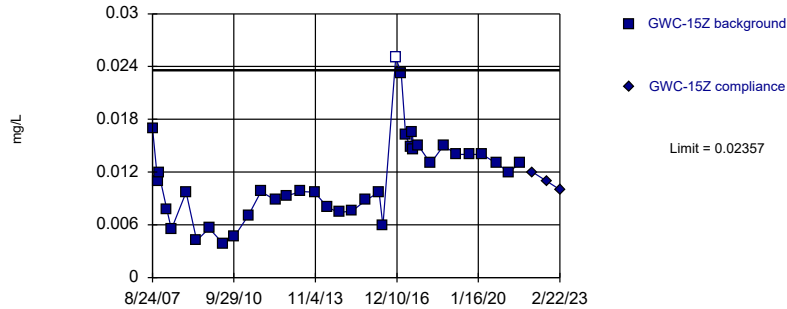


Background Data Summary: Mean=0.02379, Std. Dev.=0.003303, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9802, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

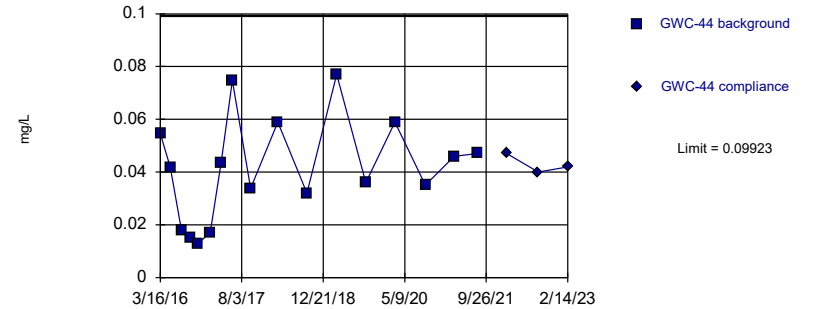


Background Data Summary: Mean=0.01126, Std. Dev.=0.004835, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9401, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

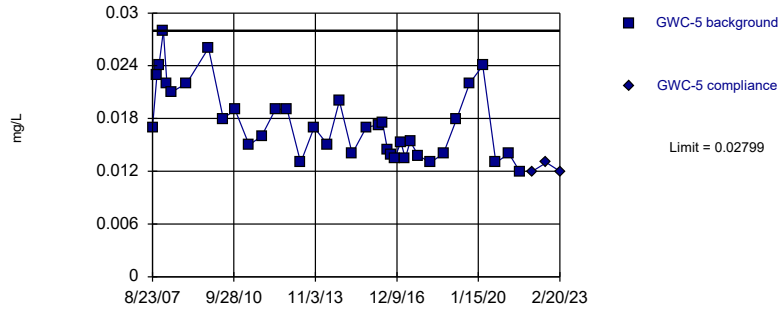


Background Data Summary: Mean=0.04132, Std. Dev.=0.01951, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

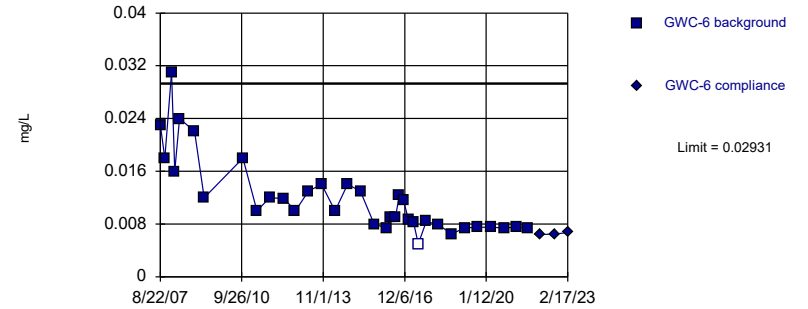


Background Data Summary: Mean=0.01756, Std. Dev.=0.004096, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

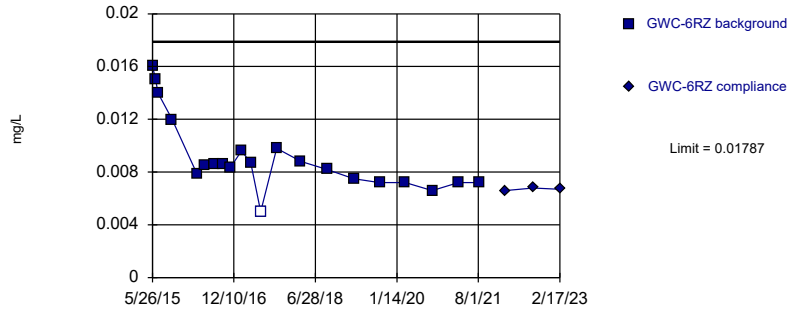


Background Data Summary (based on cube root transformation): Mean=0.2239, Std. Dev.=0.03294, n=35, 2.857% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9142, critical = 0.91. Kappa = 2.562 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

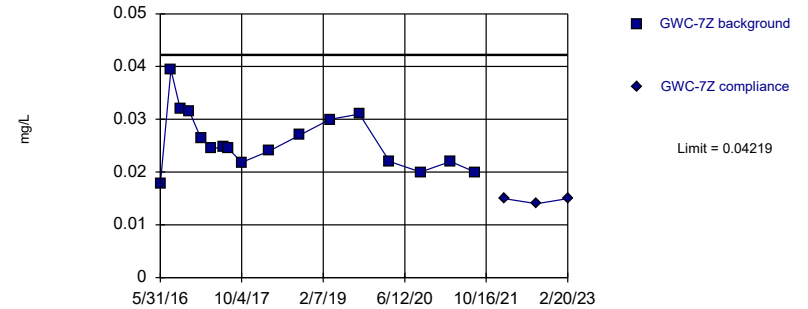


Background Data Summary (based on square root transformation): Mean=0.0946, Std. Dev.=0.01394, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8812, critical = 0.873. Kappa = 2.805 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

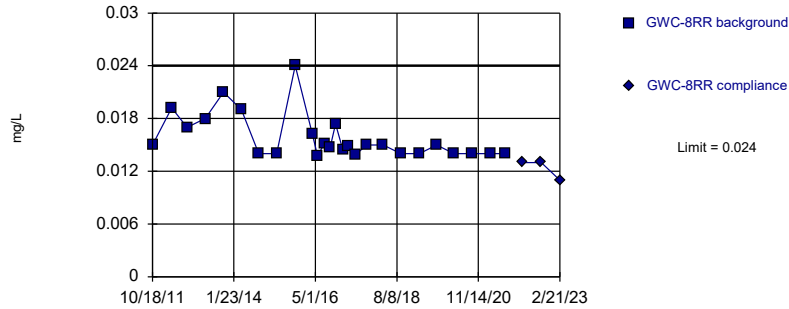


Background Data Summary: Mean=0.02581, Std. Dev.=0.00552, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

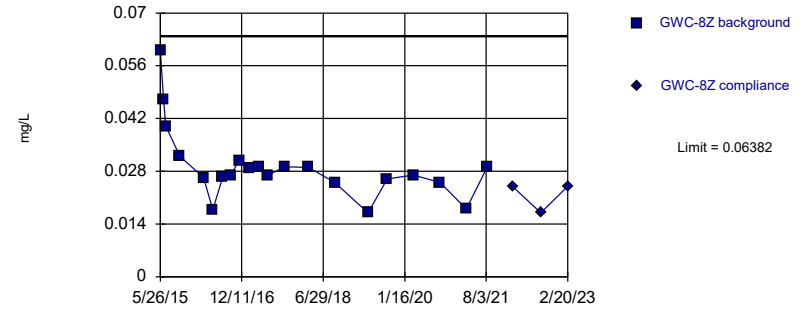


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

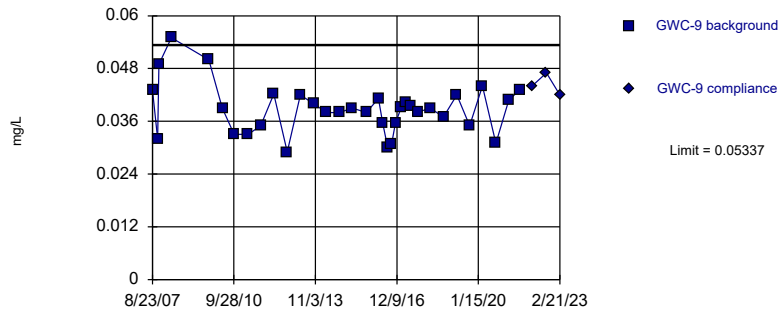


Background Data Summary (based on natural log transformation): Mean=-3.57, Std. Dev.=0.2917, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8889, critical = 0.873. Kappa = 2.805 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

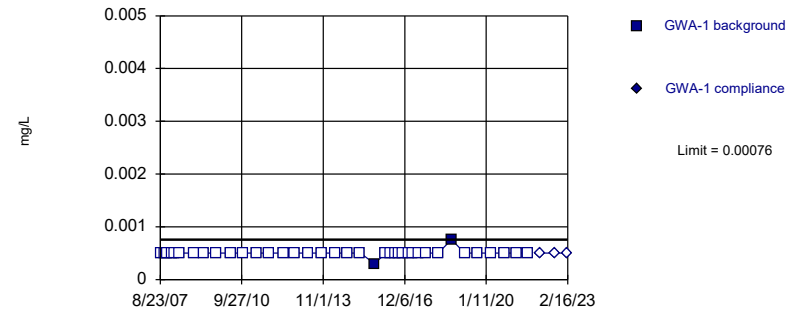


Background Data Summary: Mean=0.03874, Std. Dev.=0.005686, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.908. Kappa = 2.573 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

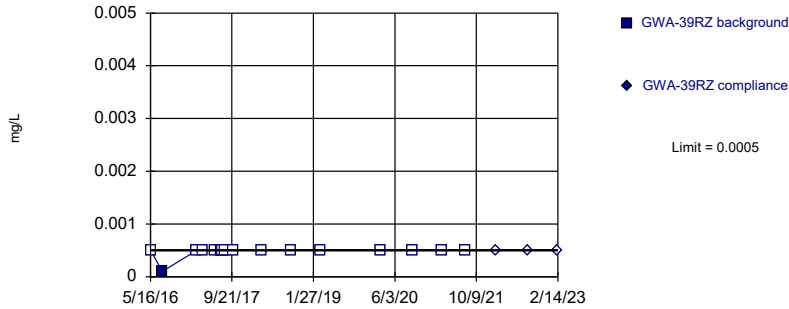


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

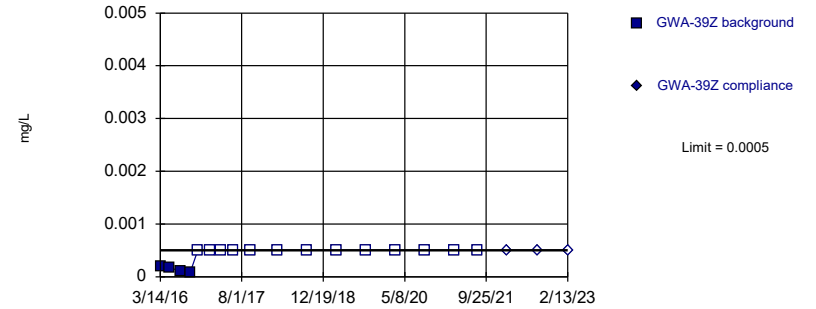


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

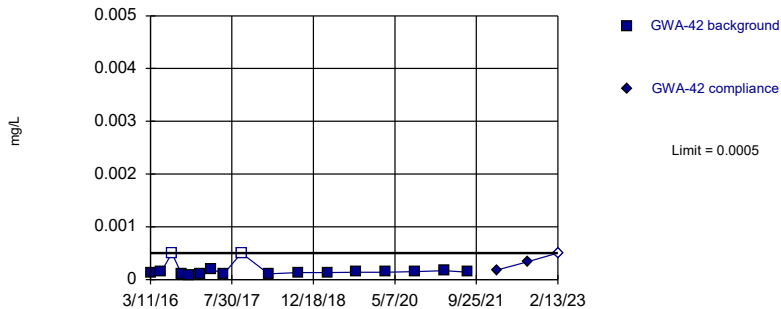


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

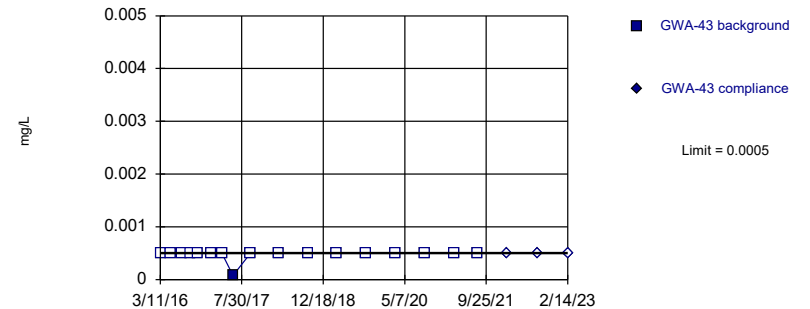


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 11.76% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

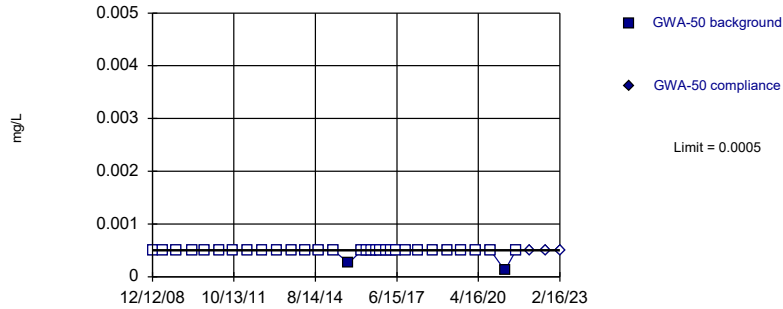


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

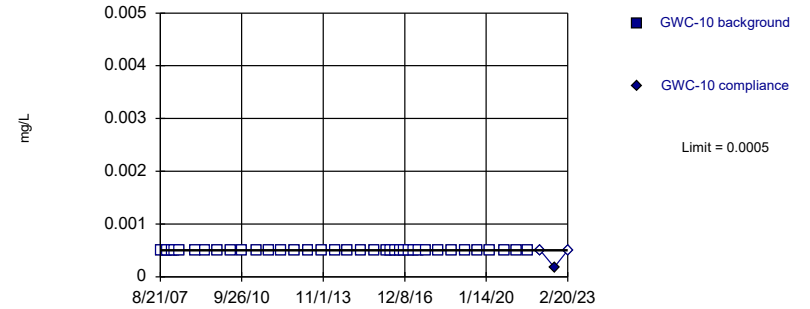


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

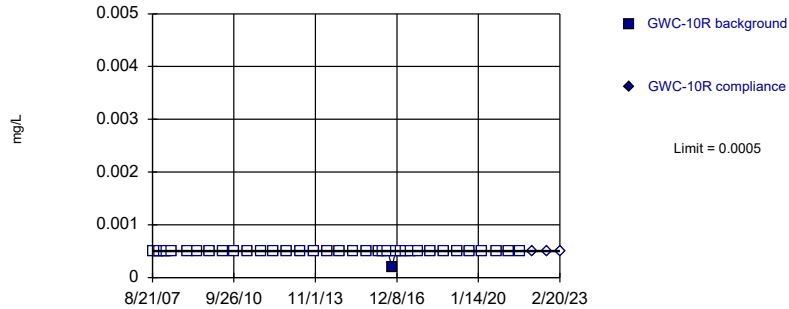


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

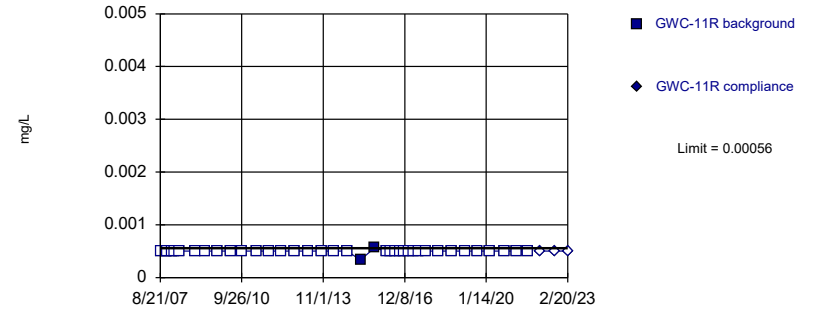


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

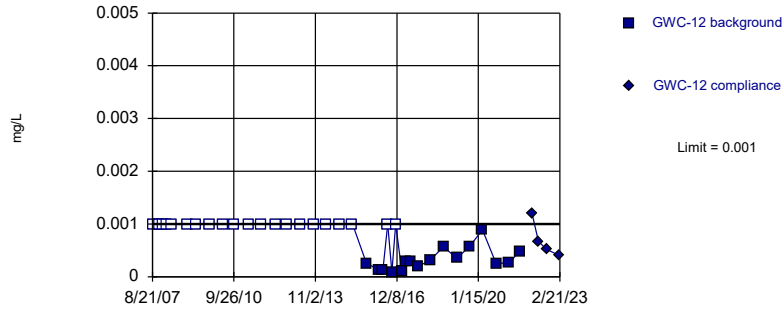


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

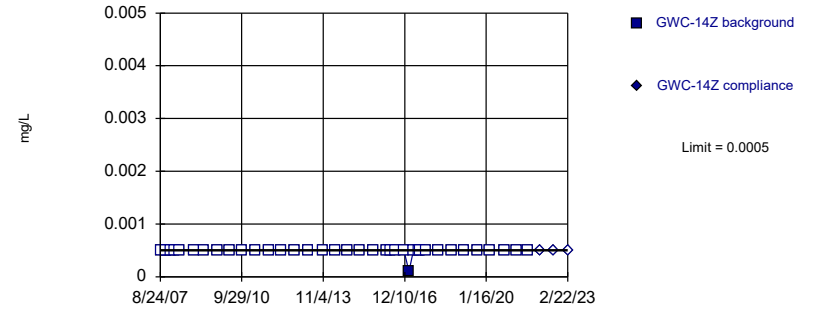


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

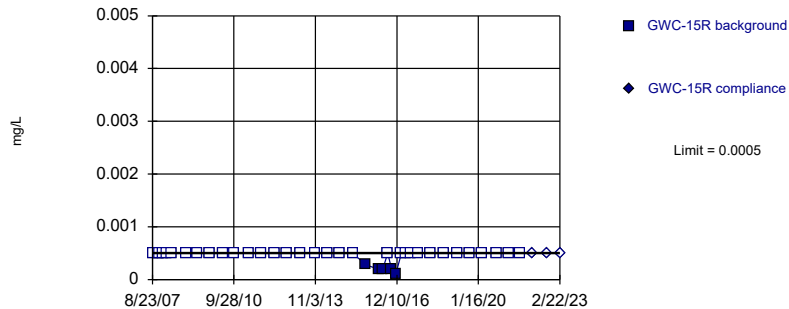


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

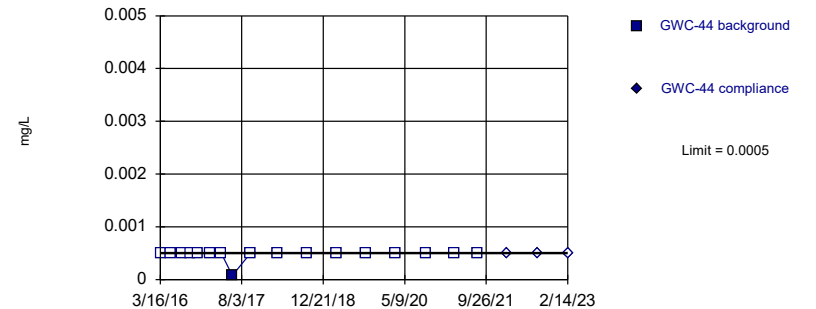


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

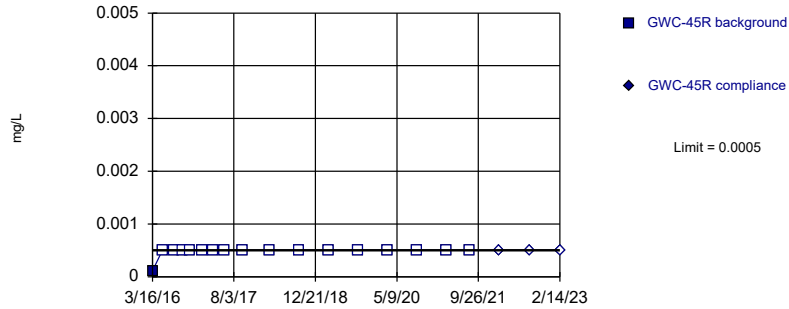


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

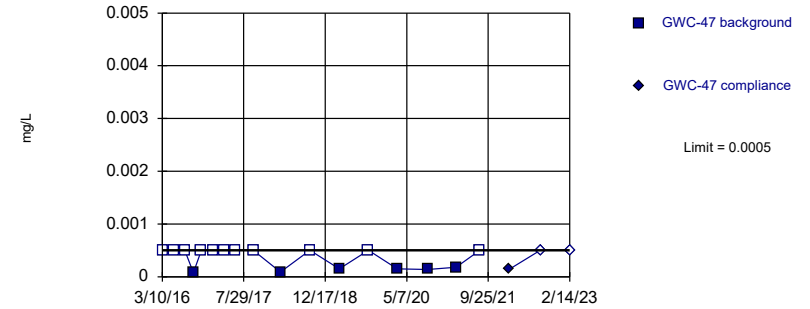


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

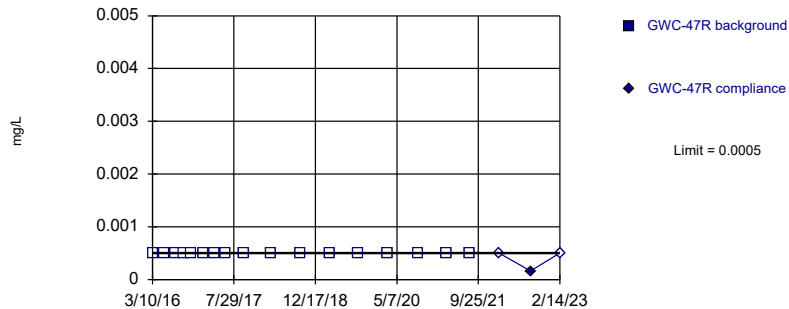


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

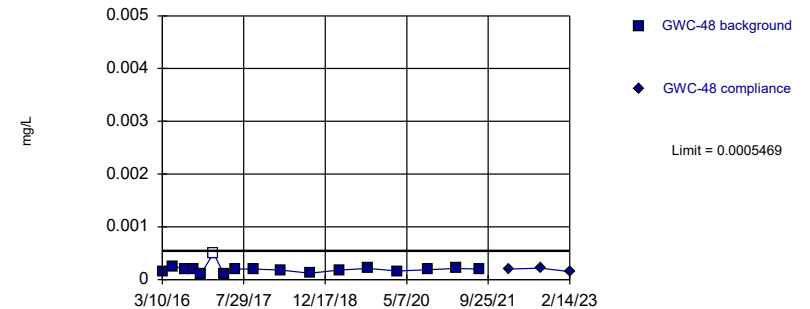


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

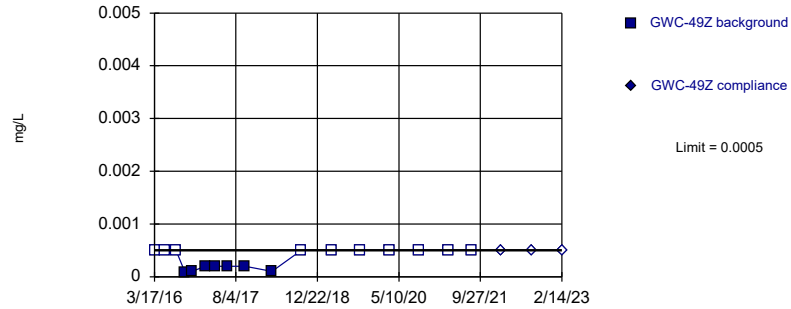


Background Data Summary (based on natural log transformation): Mean=-8.602, Std. Dev.=0.3675, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8657, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

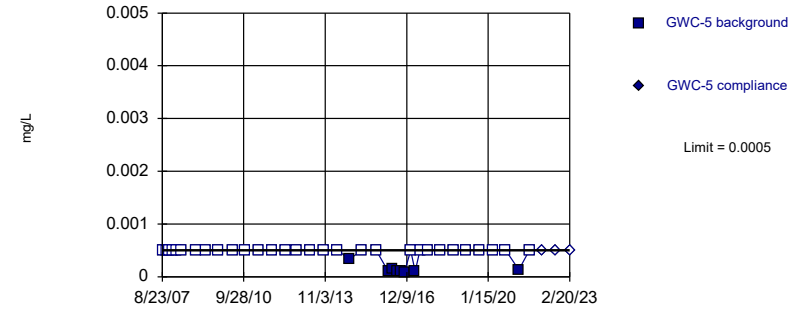


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

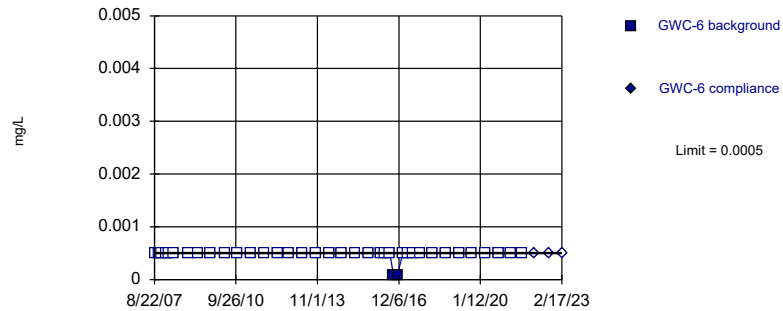


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

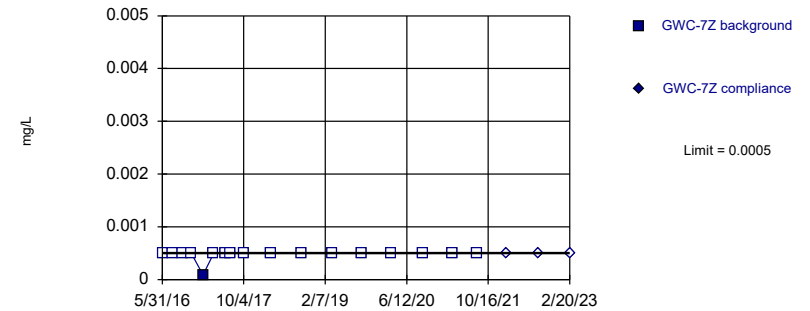


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

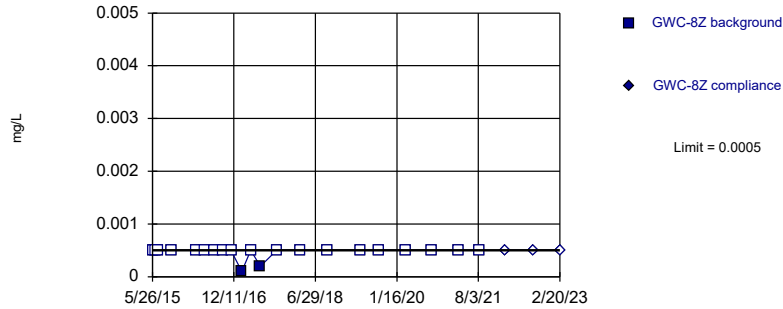


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

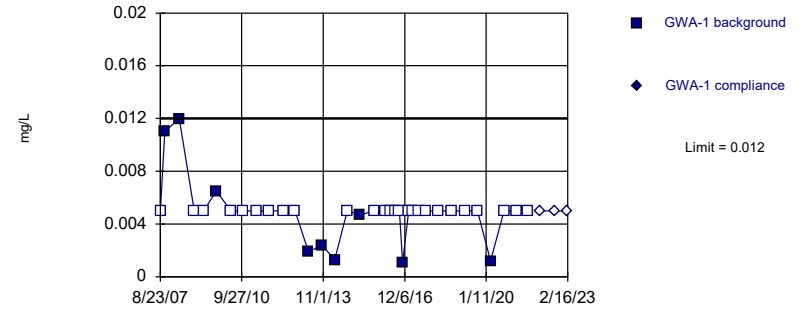


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cadmium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

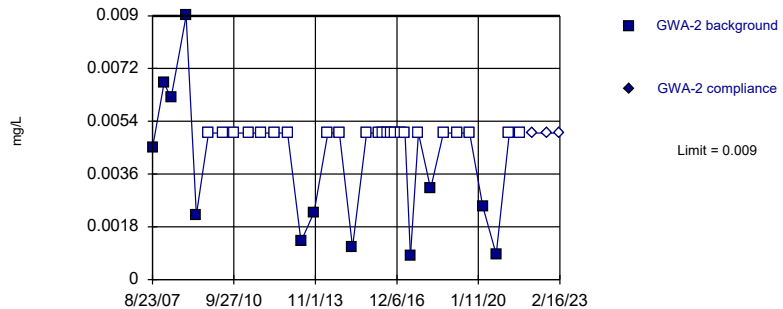


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

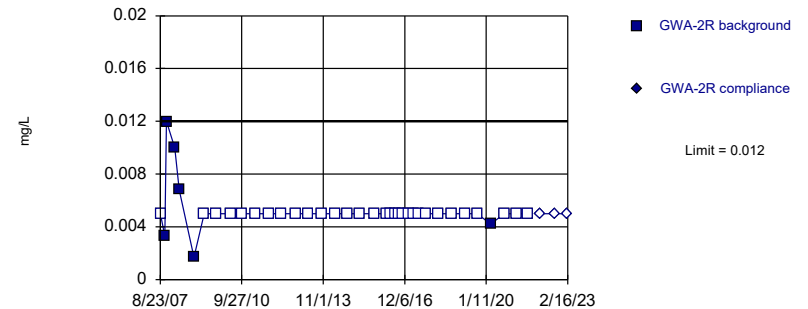


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 65.71% NDs. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

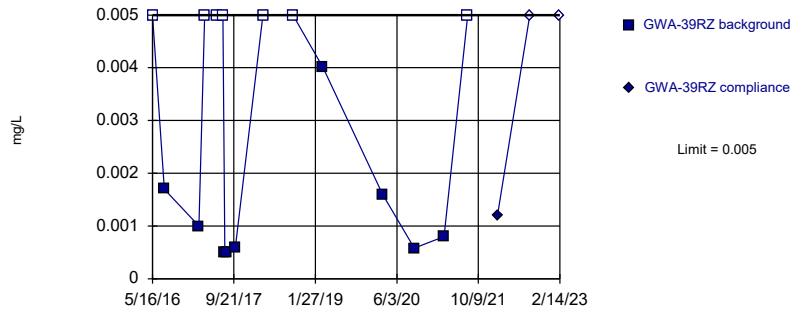


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

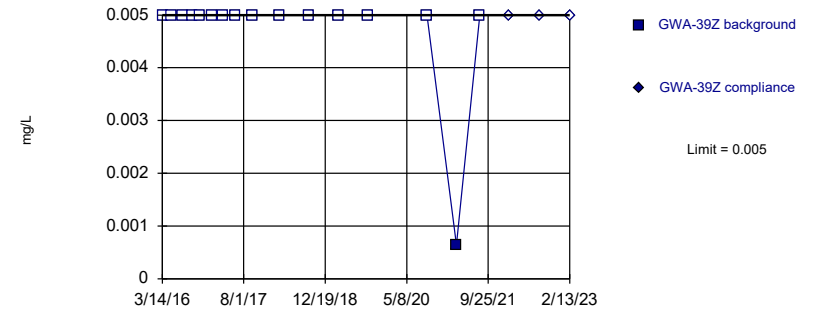


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

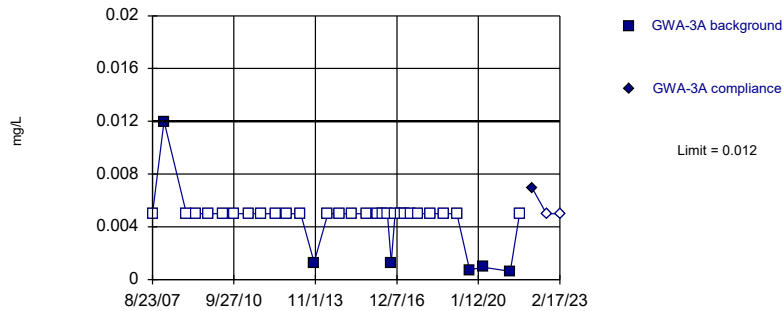


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:17 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

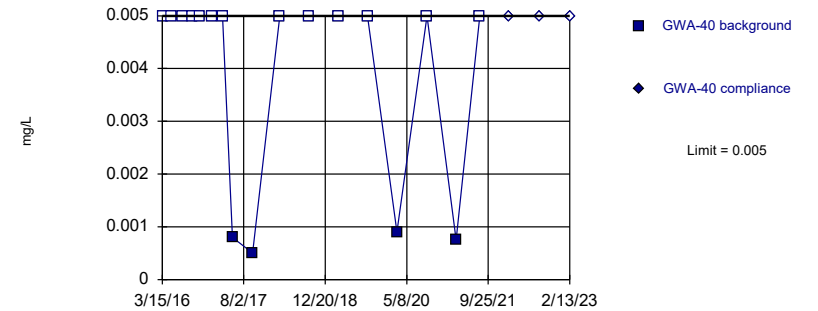


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

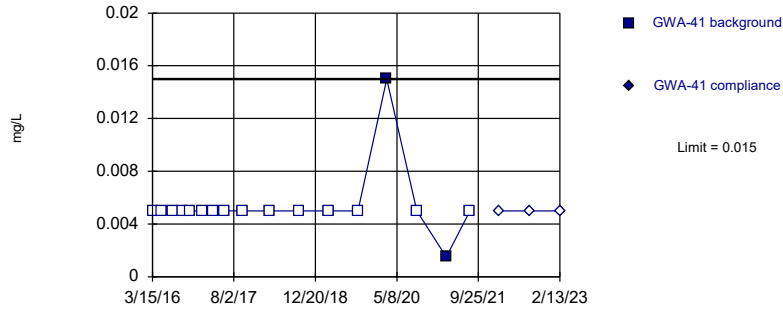


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

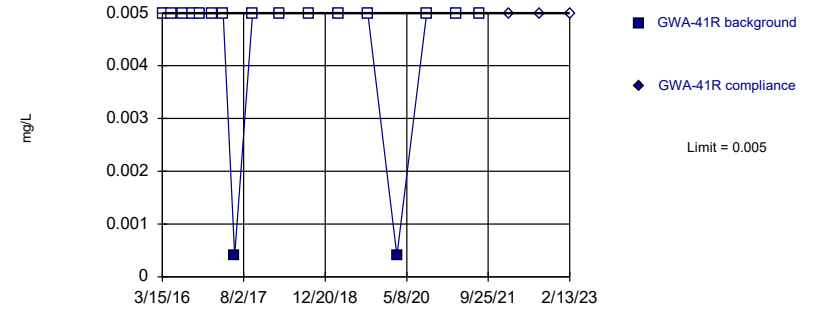


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

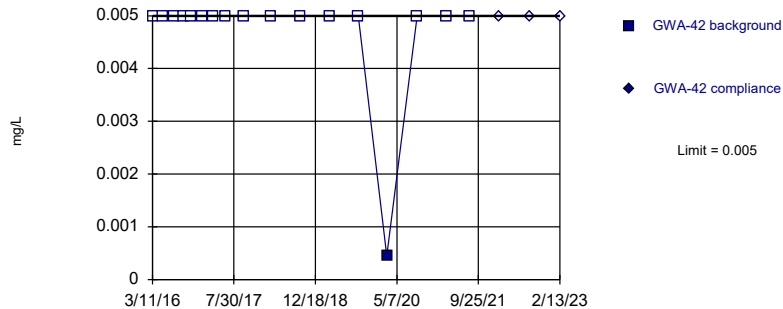


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

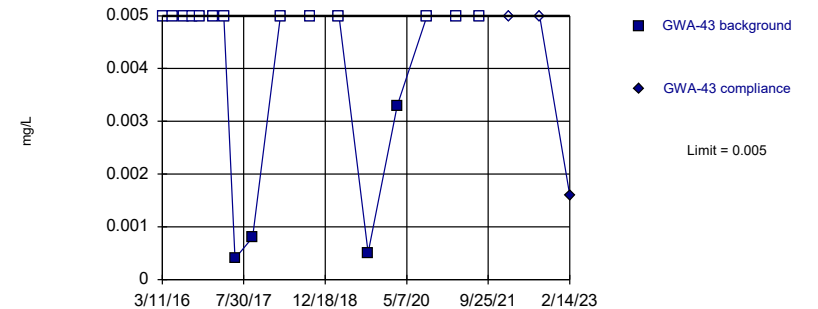


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

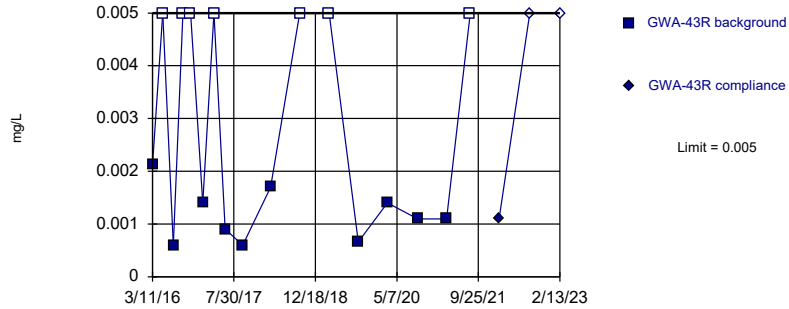


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

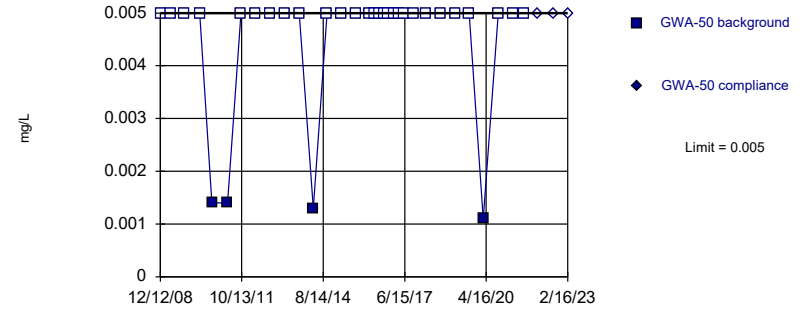


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

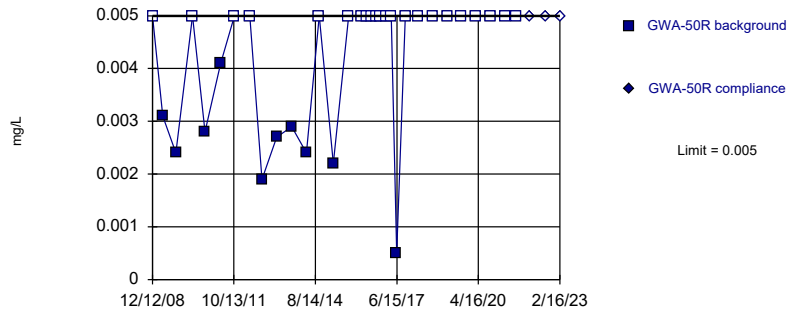


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

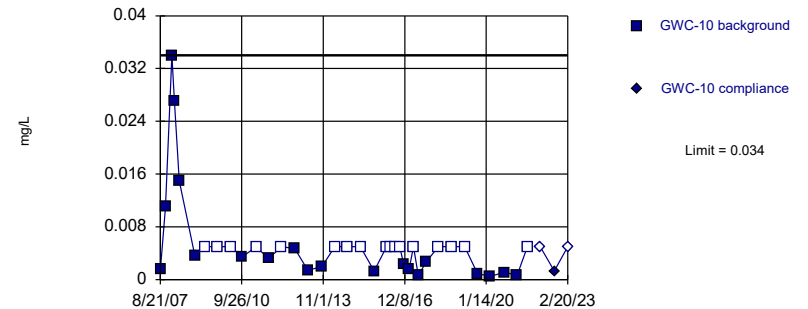


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

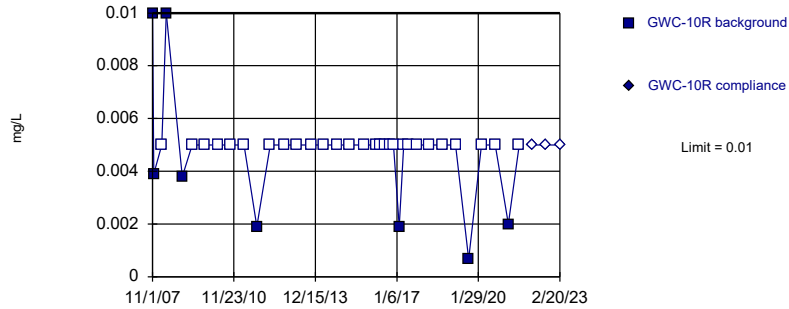


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 45.95% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

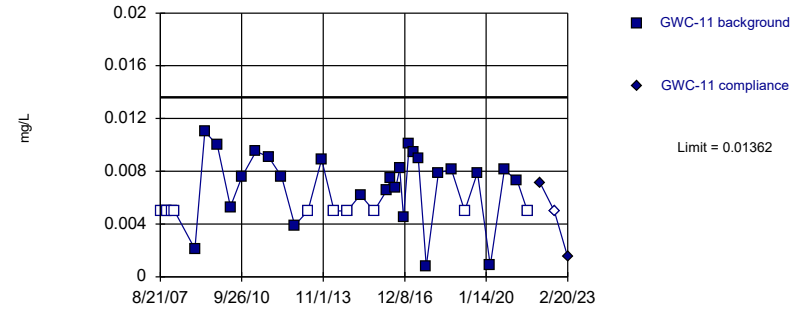


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

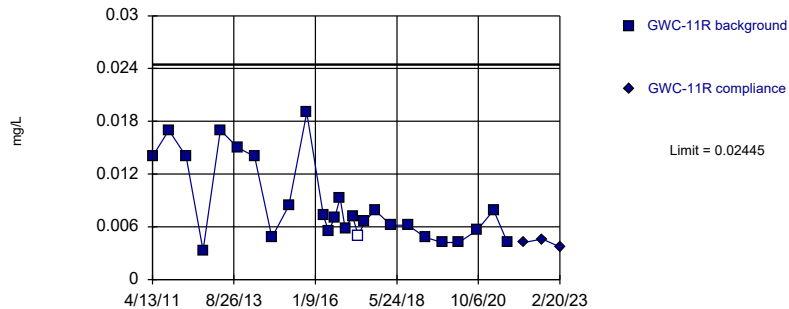


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005363, Std. Dev.=0.003241, n=37, 29.73% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9418, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

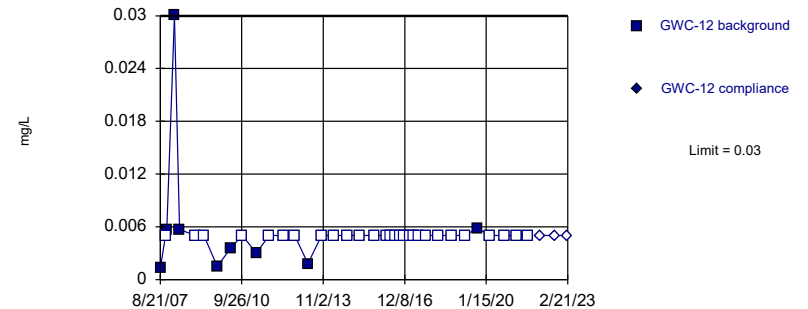


Background Data Summary (based on cube root transformation): Mean=0.199, Std. Dev.=0.03424, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

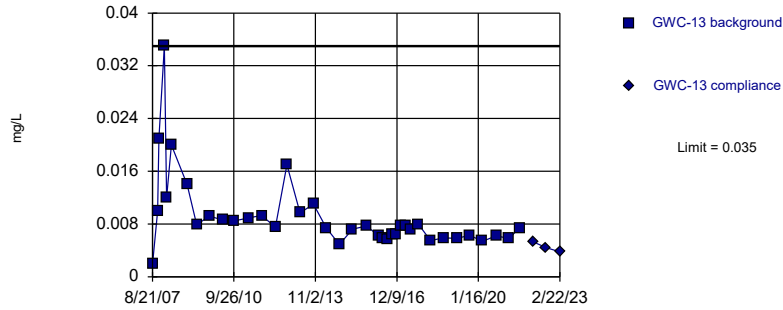


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

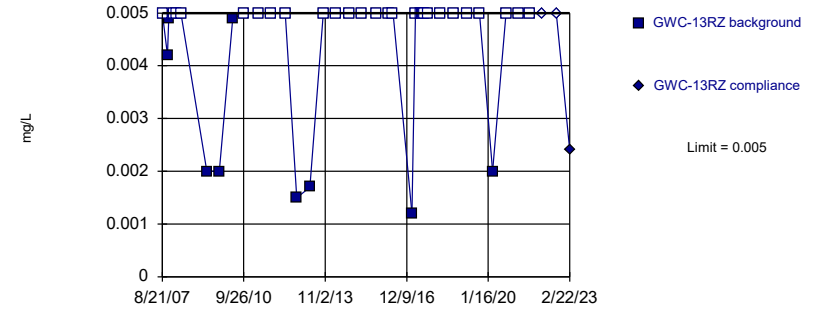


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

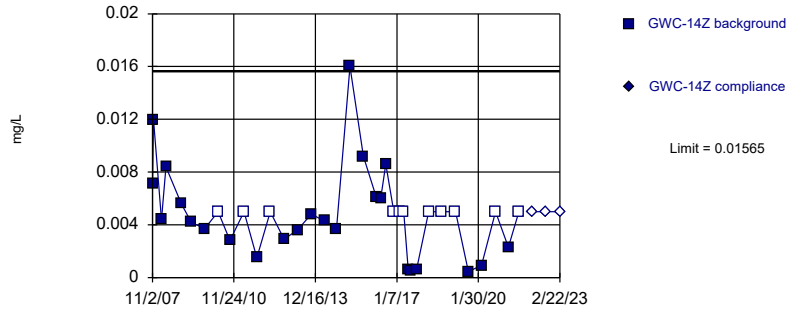


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

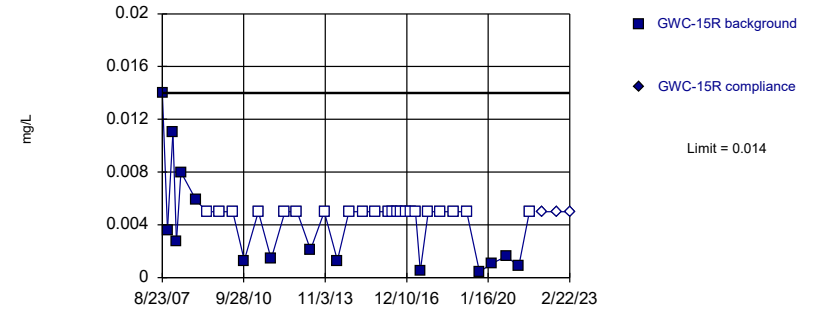


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05769, Std. Dev.=0.0264, n=36, 30.56% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9246, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

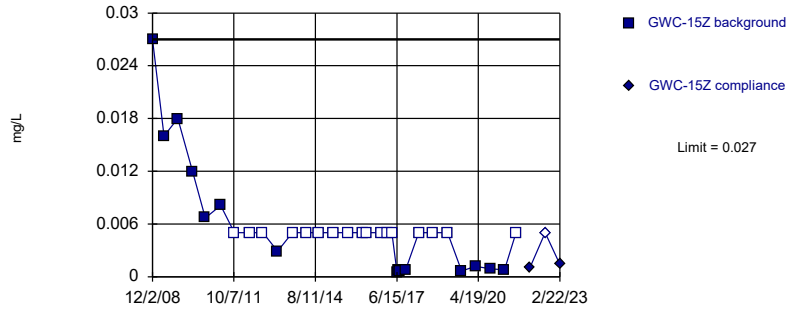


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

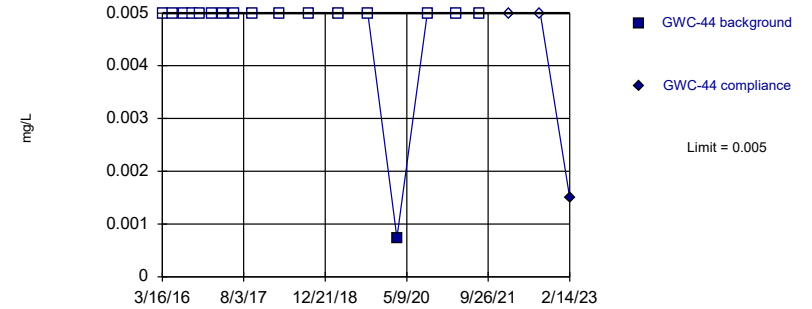


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

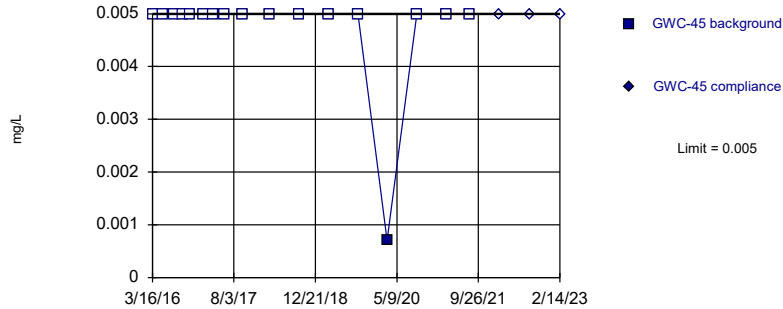


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

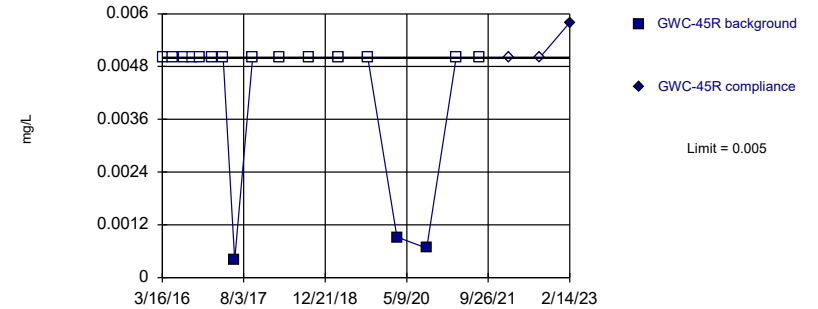


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
 Intrawell Non-parametric

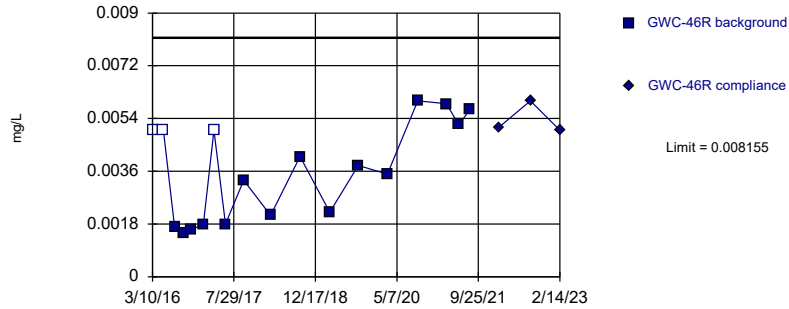


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

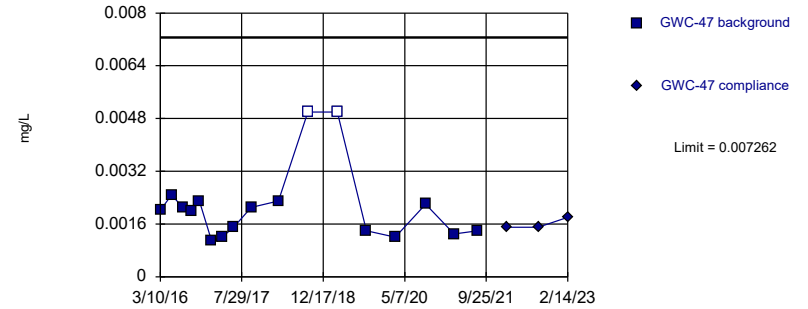


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003333, Std. Dev.=0.00165, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8831, critical = 0.858. Kappa = 2.923 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

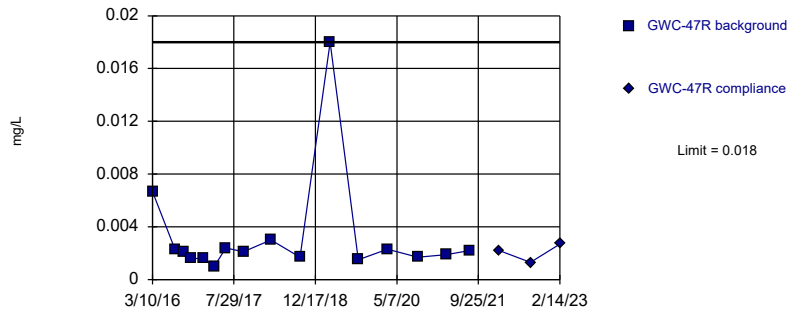


Background Data Summary (based on natural log transformation): Mean=-6.245, Std. Dev.=0.4447, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8803, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

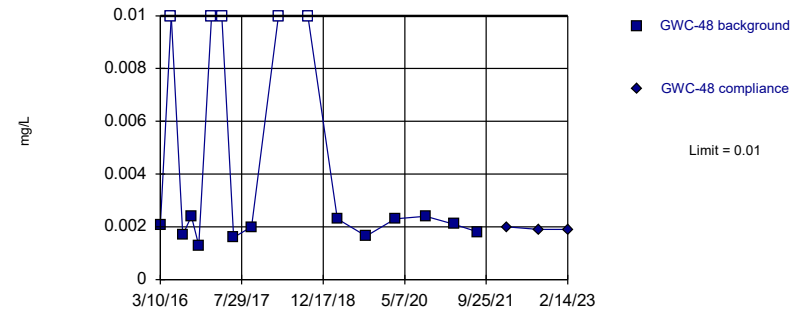


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

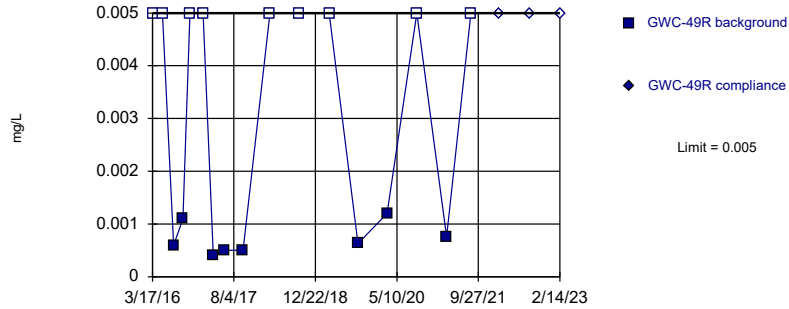


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 29.41% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

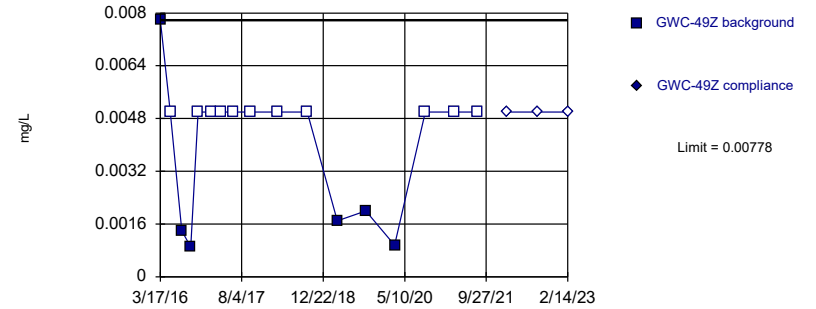


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

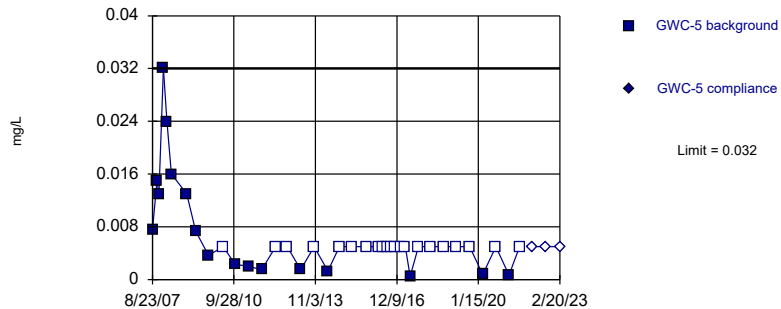


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

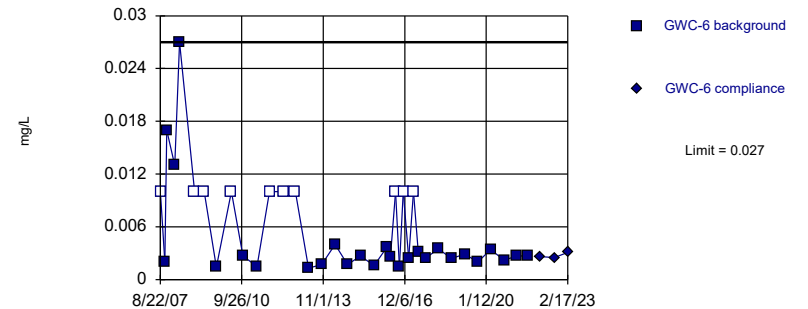


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 55.26% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

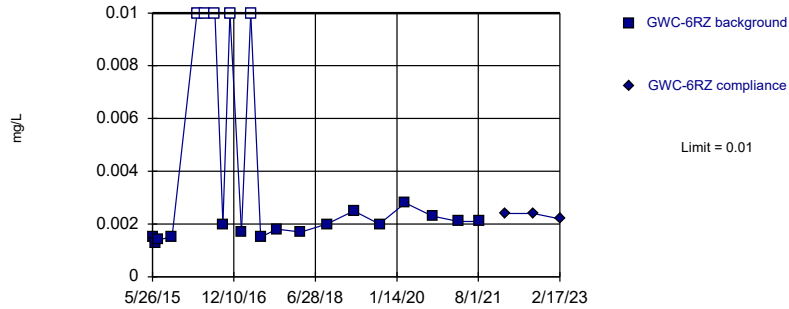


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 27.03% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

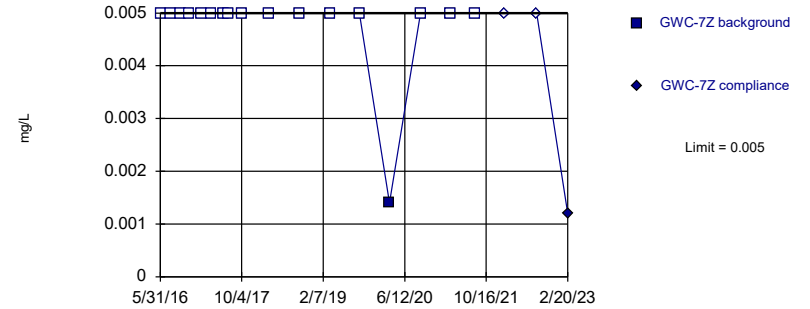


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

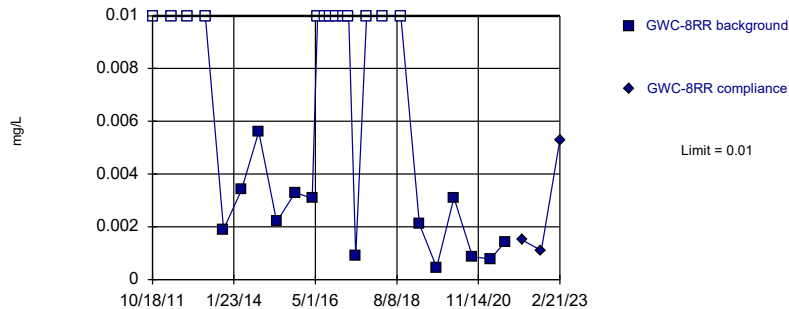


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

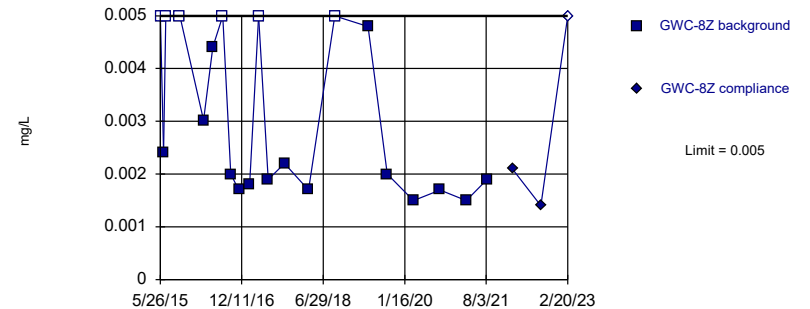


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

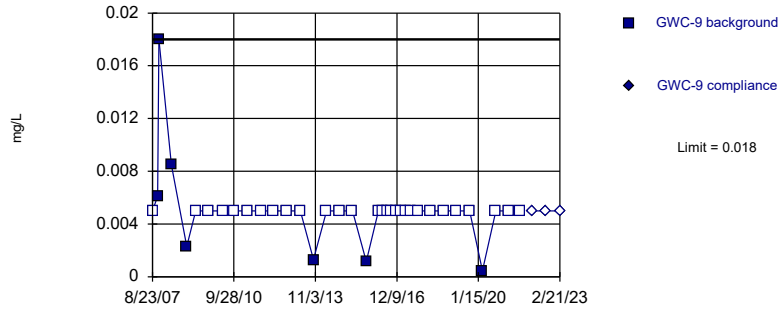


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

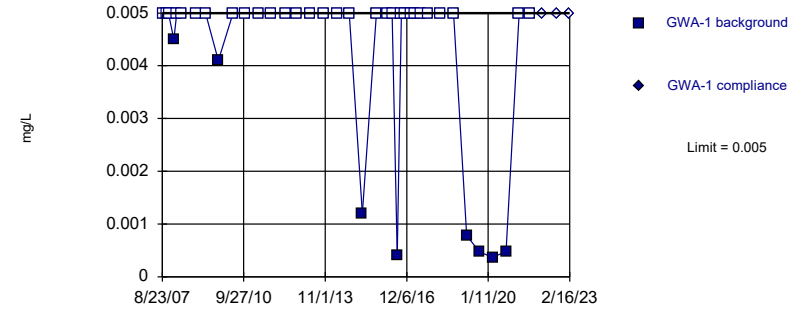


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 80.56% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

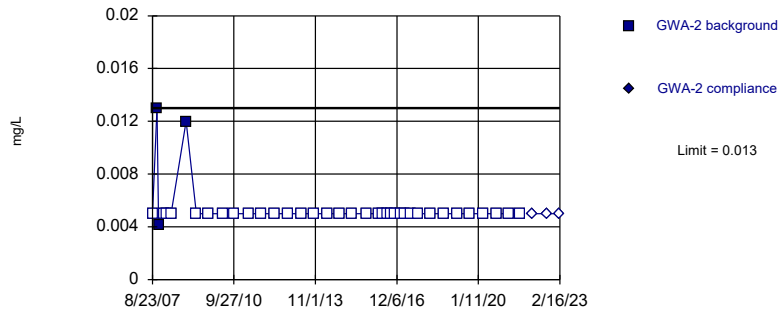


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

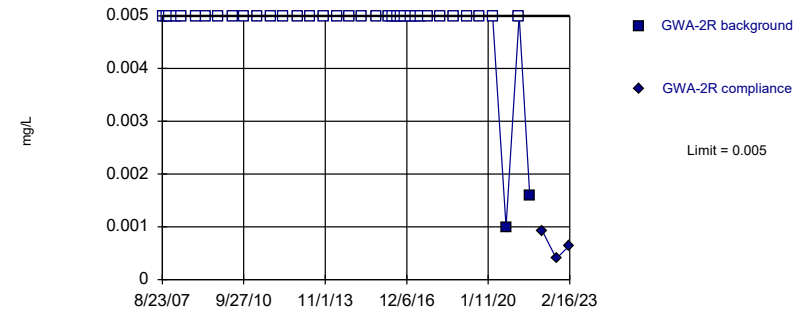


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

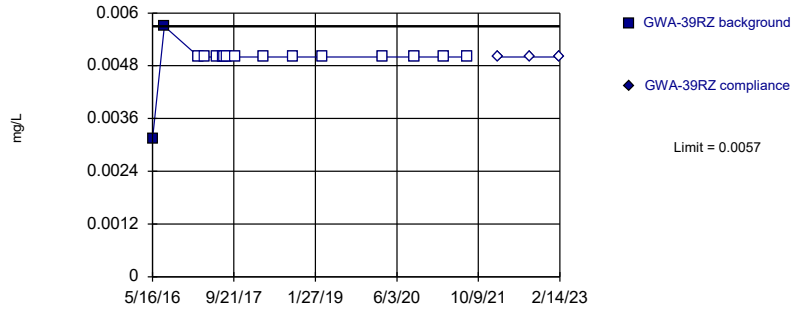


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

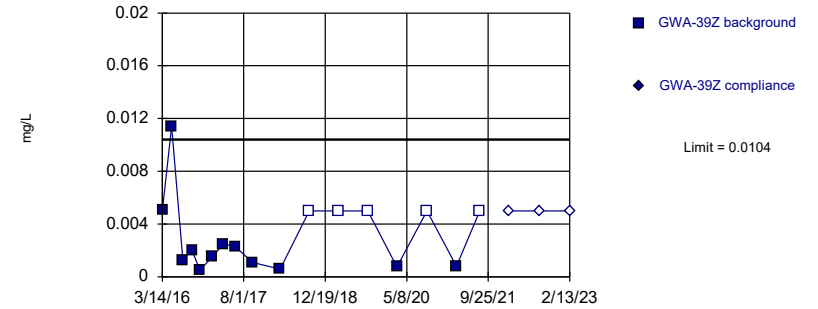


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

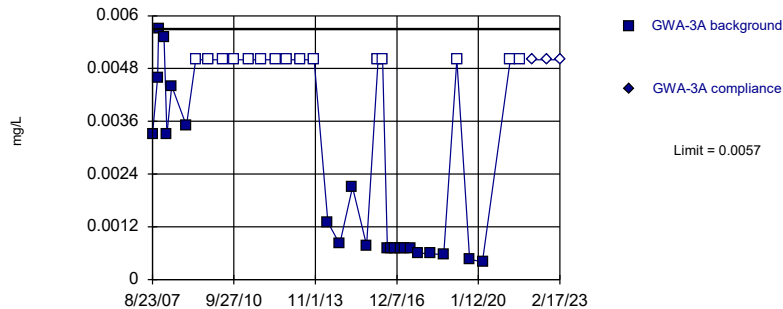


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04156, Std. Dev.=0.02036, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8962, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

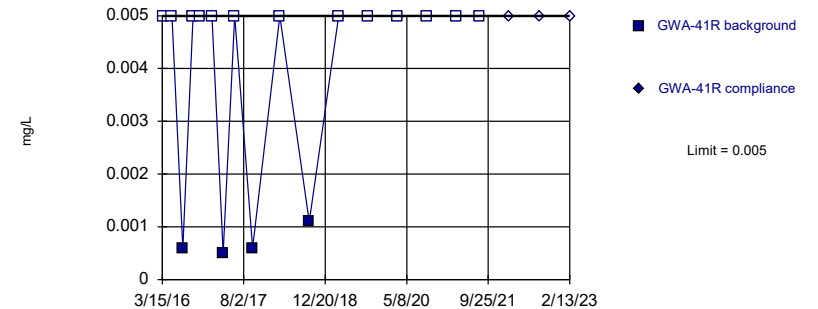


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 40.54% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

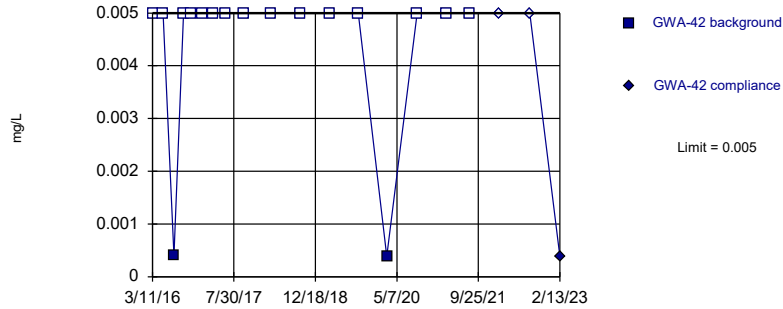


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

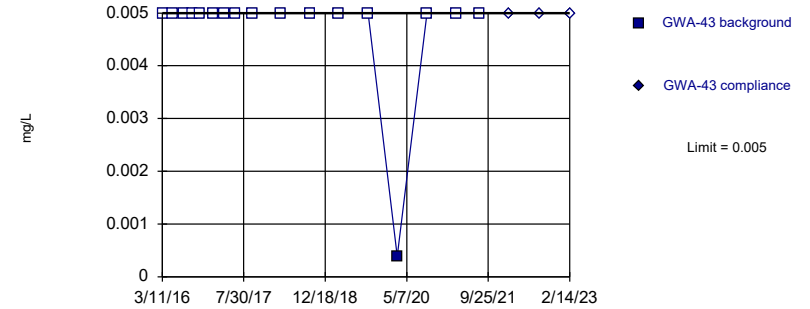


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

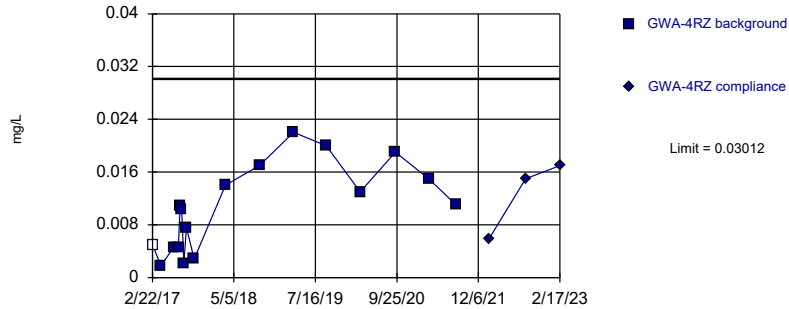


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

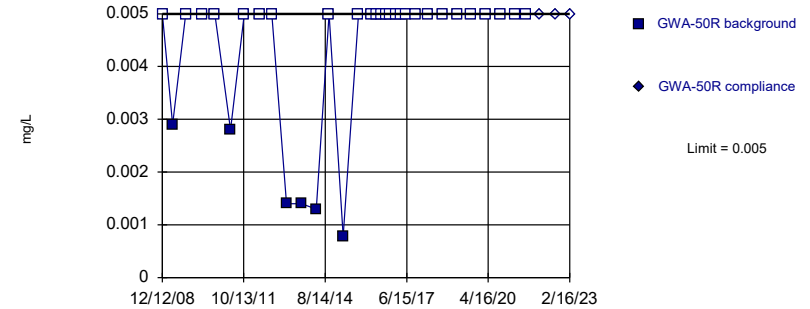


Background Data Summary: Mean=0.01064, Std. Dev.=0.006563, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

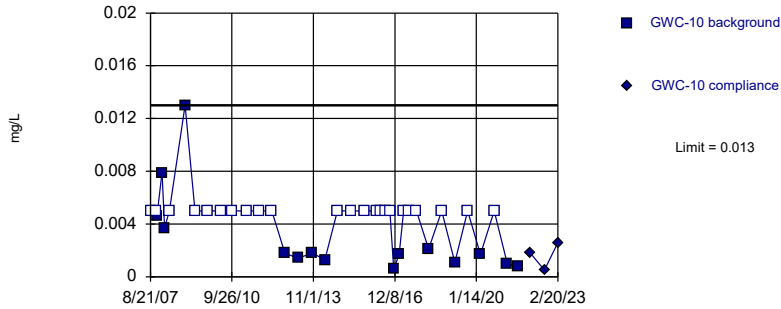


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

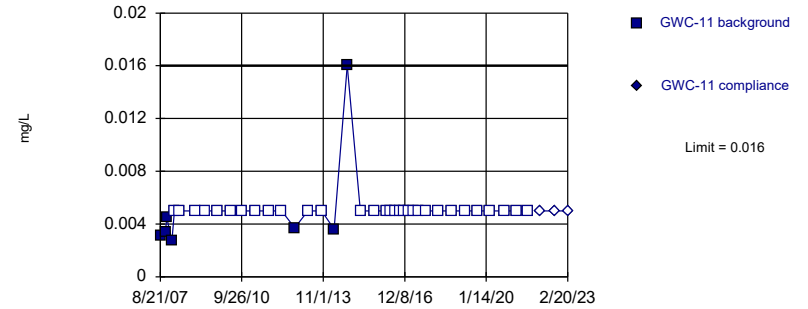


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

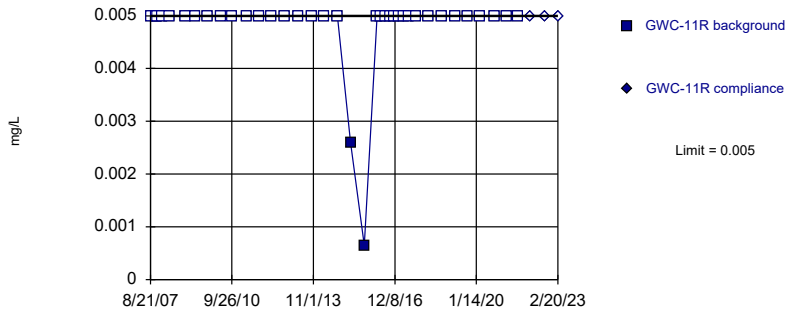


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

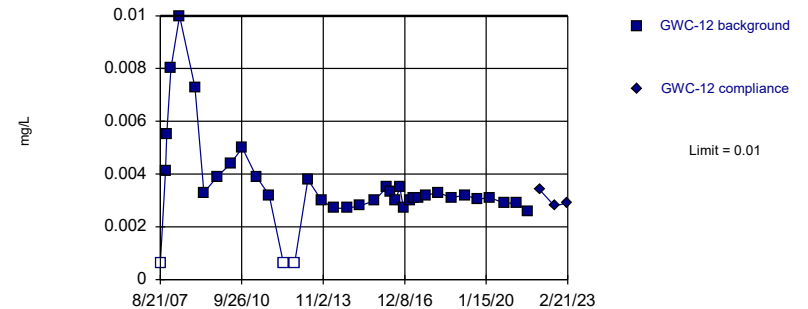


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

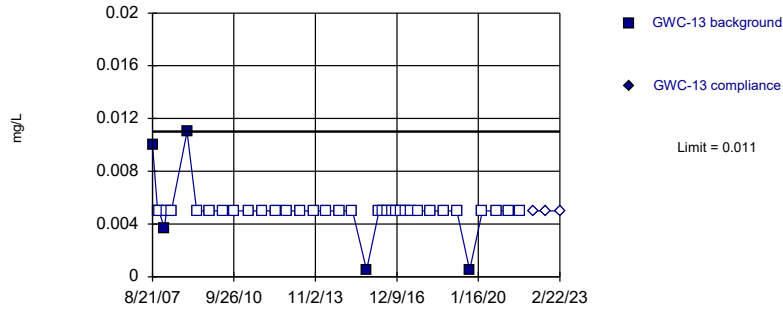


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 8.108% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

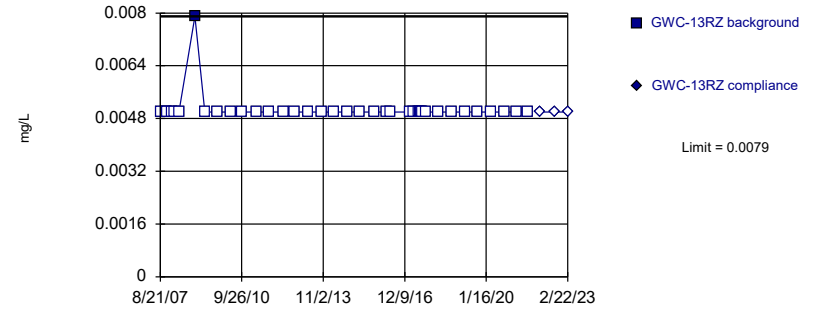


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

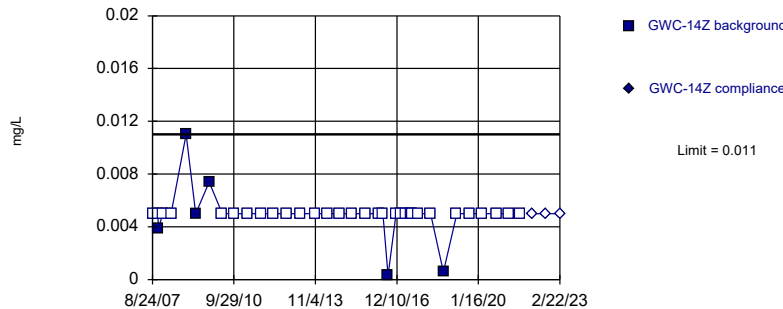


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

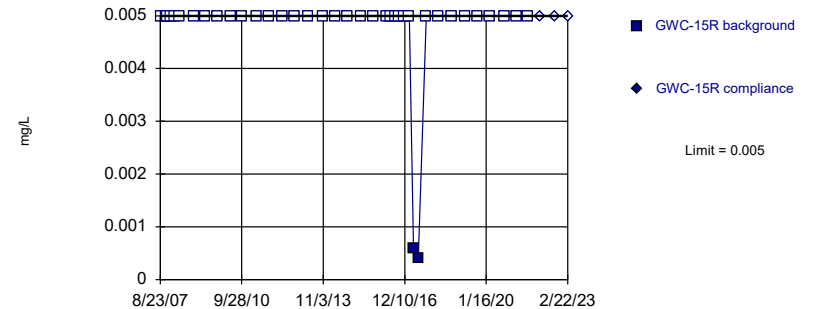


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

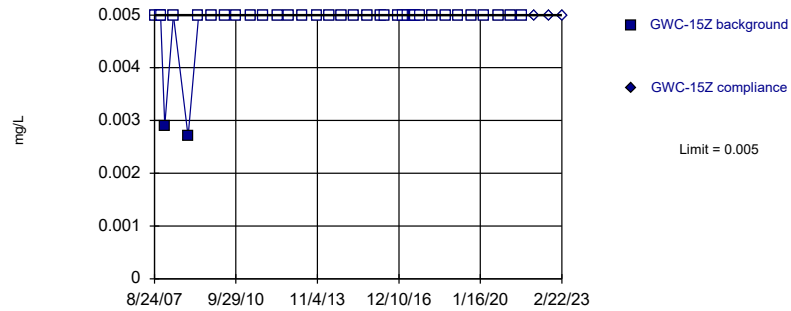


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

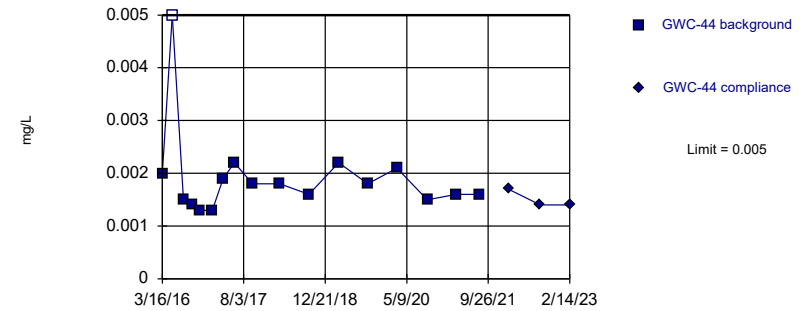


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

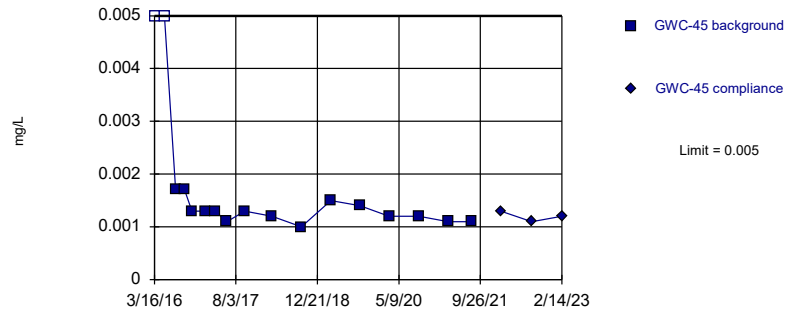


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:18 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

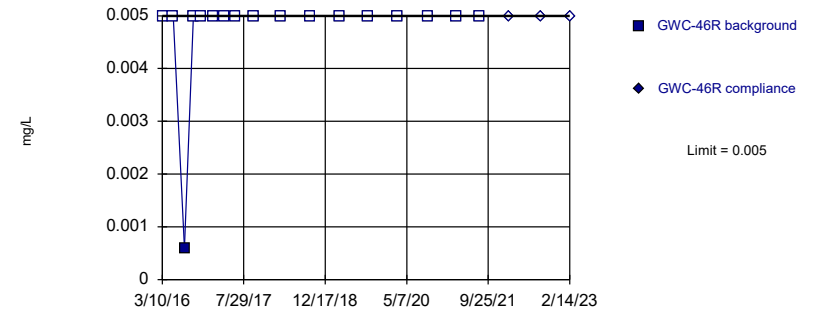


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 11.76% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

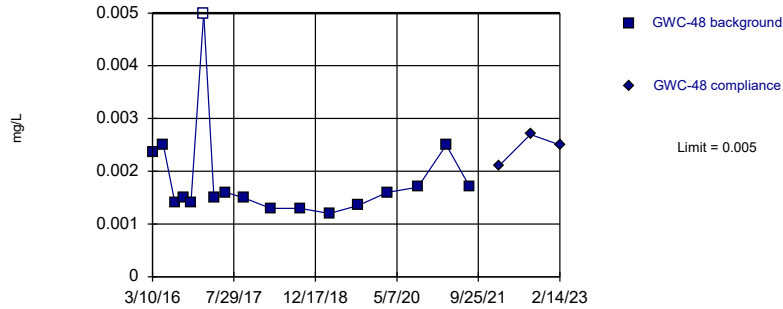


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

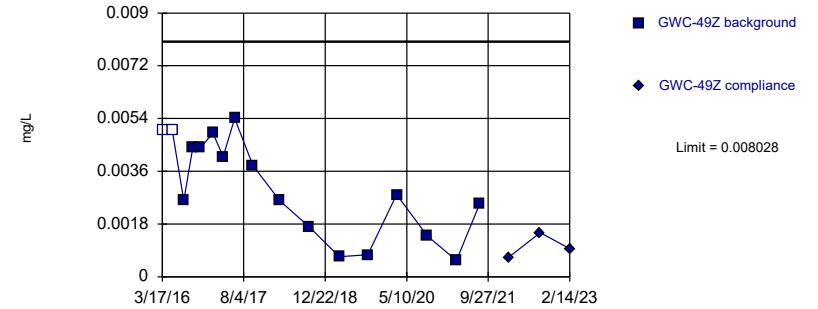


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

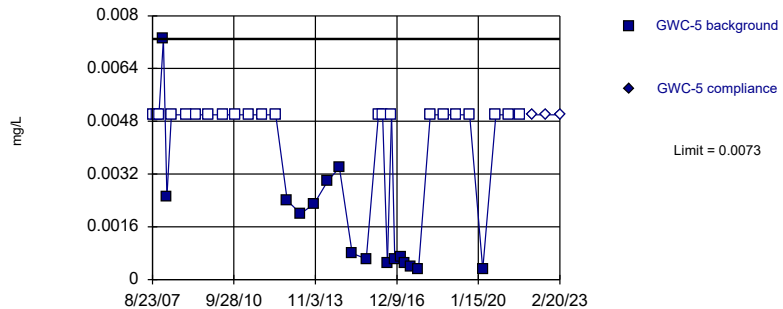


Background Data Summary: Mean=0.003094, Std. Dev.=0.001662, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

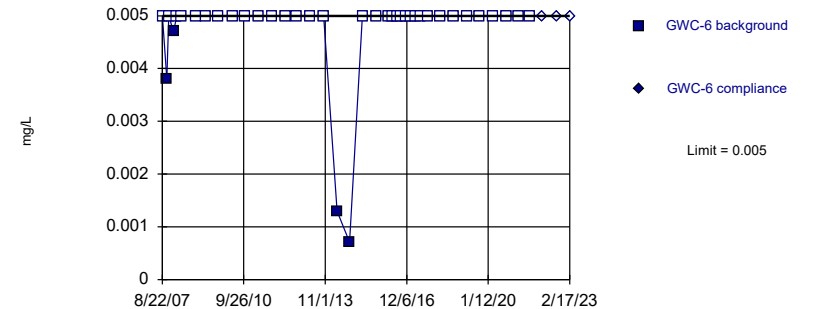


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

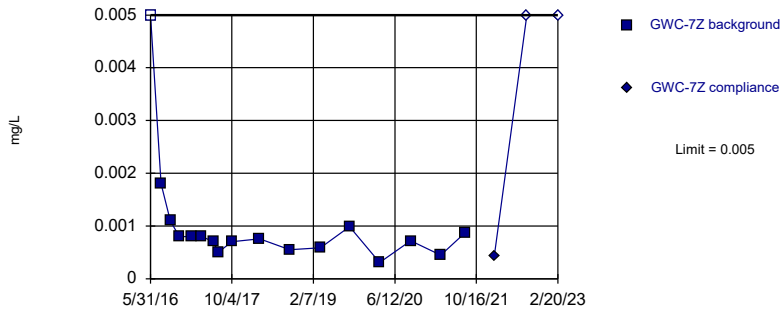


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

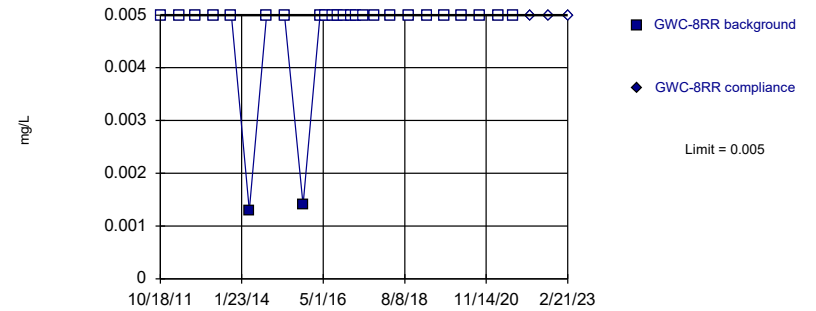


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

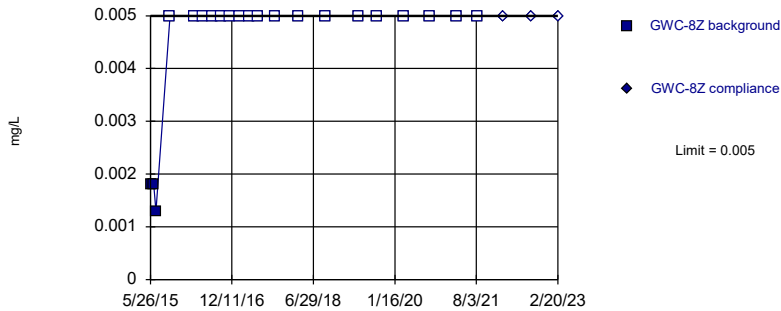


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

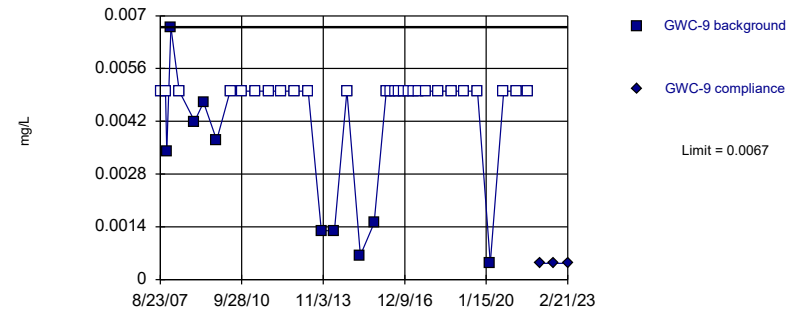


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

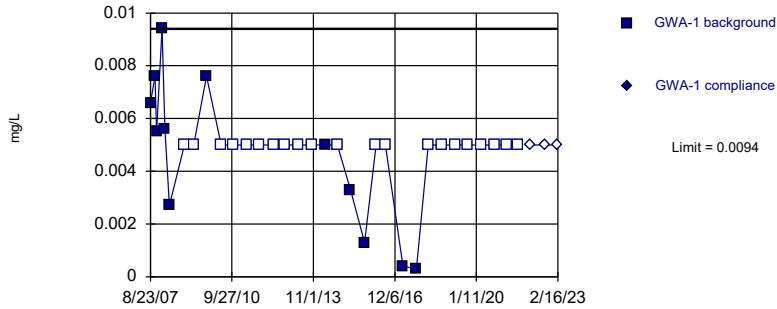


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 72.97% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

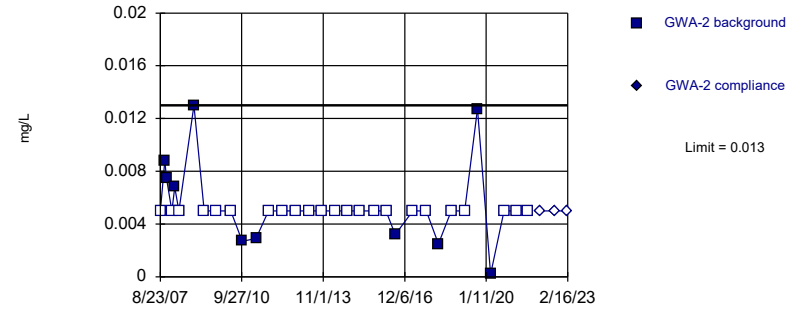


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

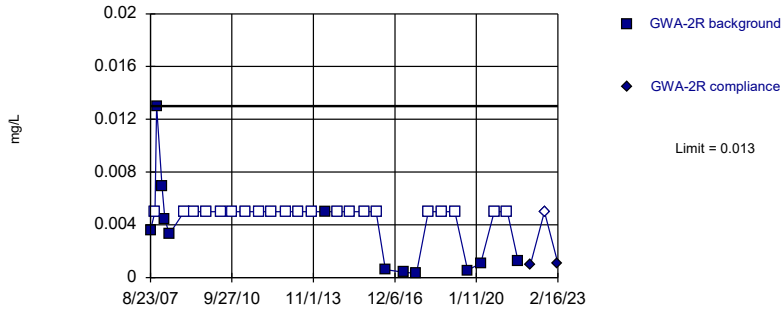


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

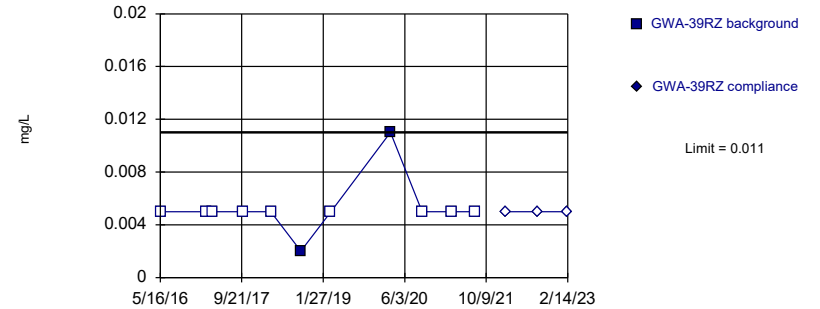


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

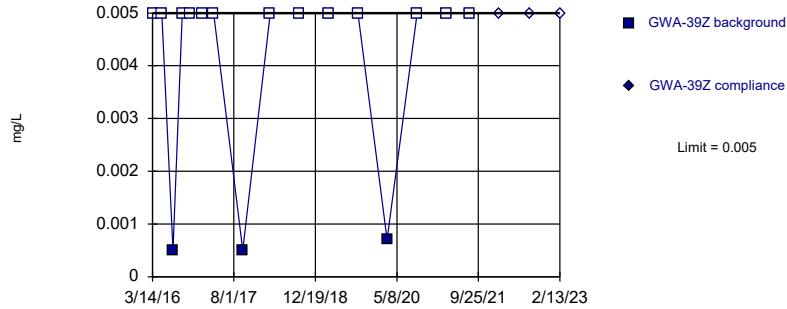


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

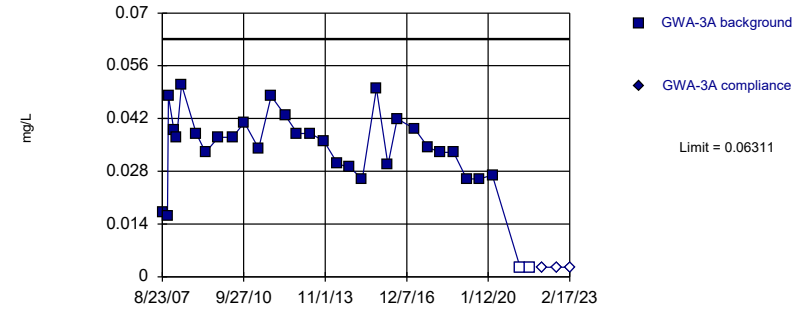


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

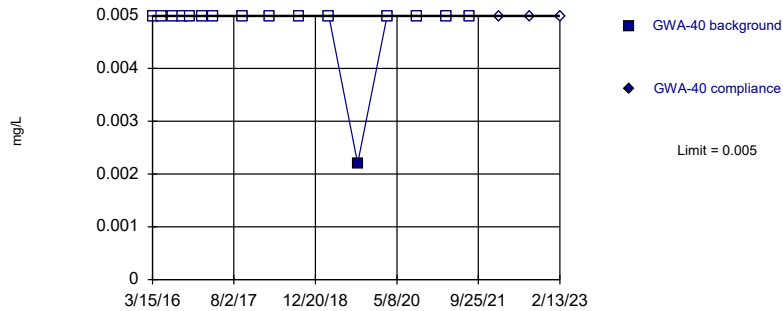


Background Data Summary: Mean=0.03315, Std. Dev.=0.01155, n=32, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

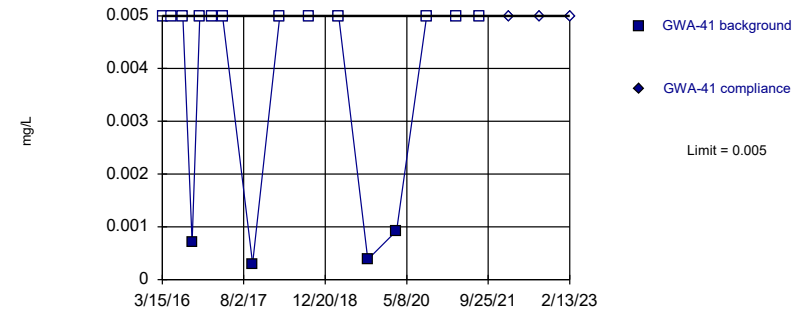


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

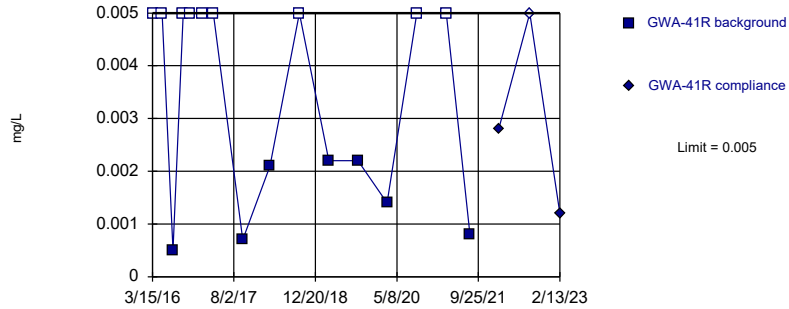


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

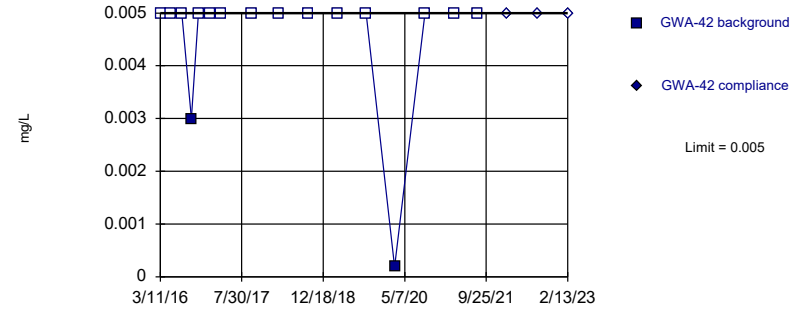


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

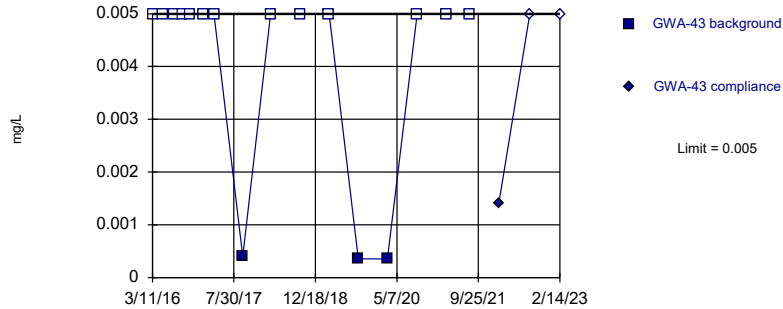


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

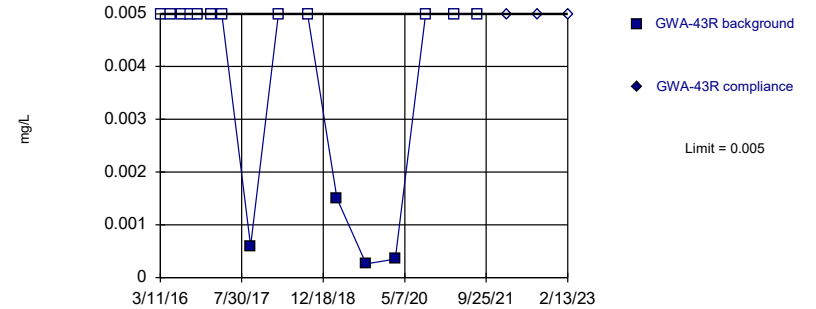


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

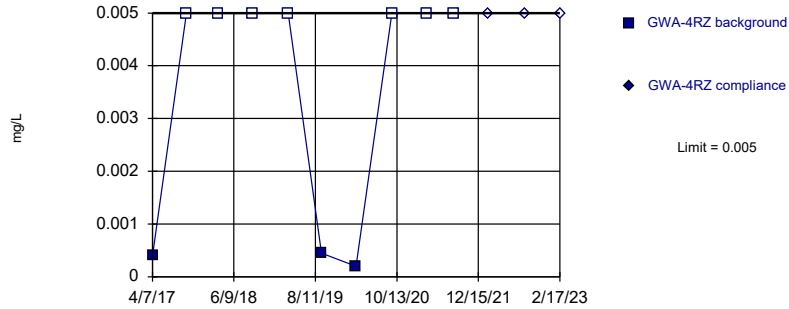


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

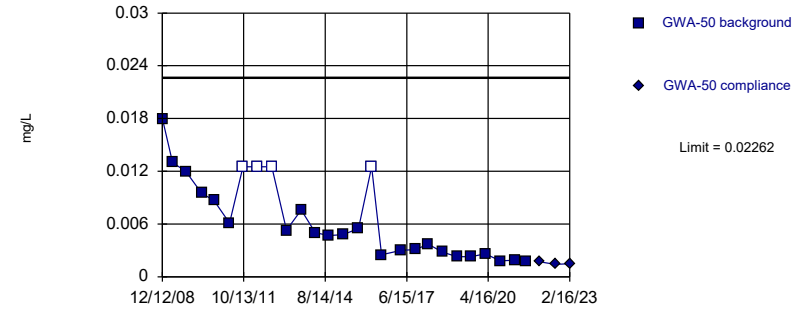


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

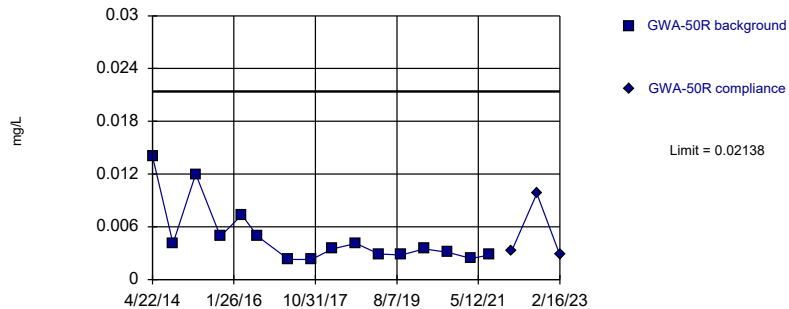


Background Data Summary (based on square root transformation): Mean=0.07647, Std. Dev.=0.02773, n=27, 14.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

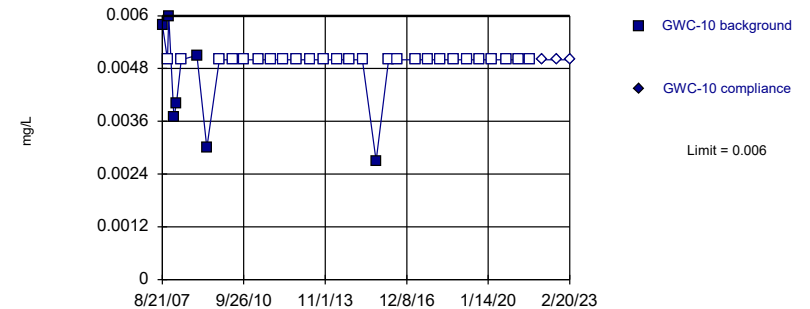


Background Data Summary (based on natural log transformation): Mean=-5.507, Std. Dev.=0.5512, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8598, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

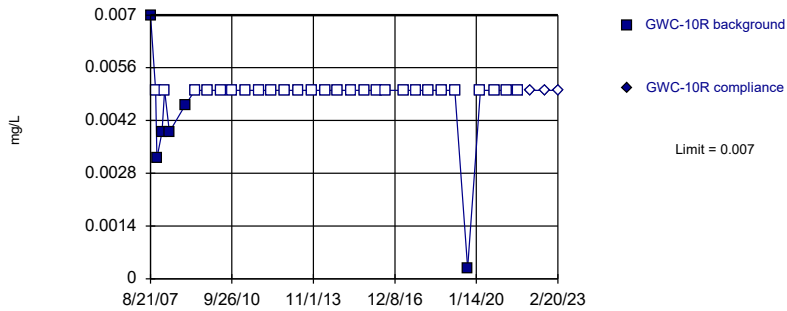


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 78.79% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

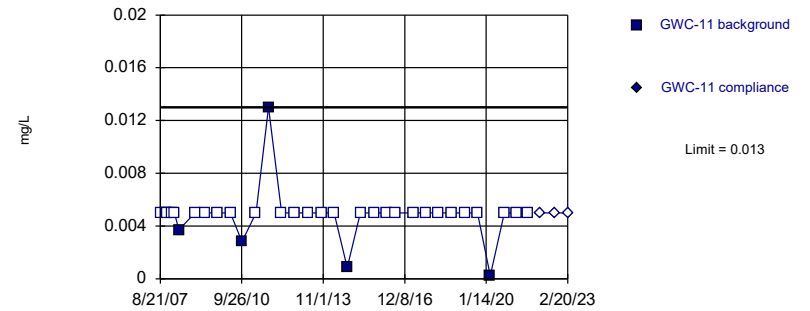


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

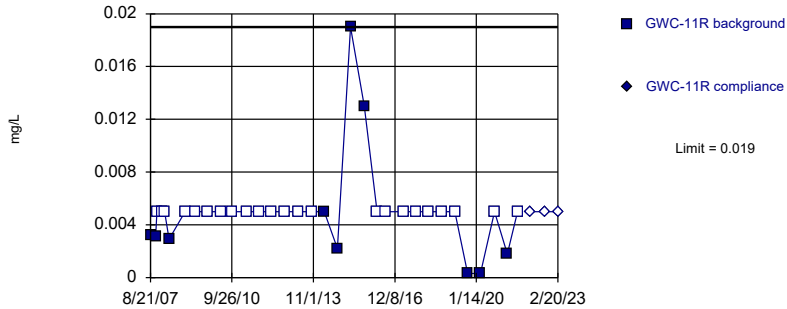


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

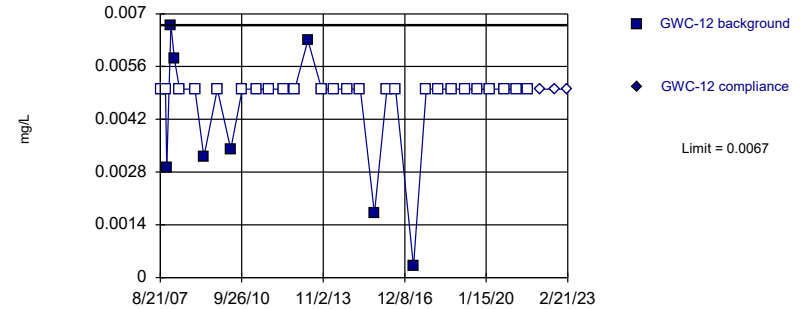


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

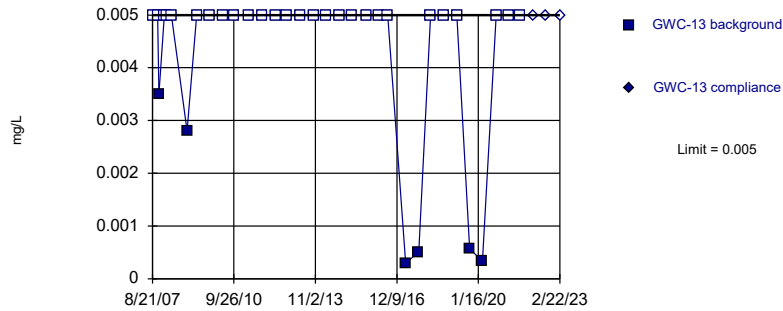


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 75.76% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

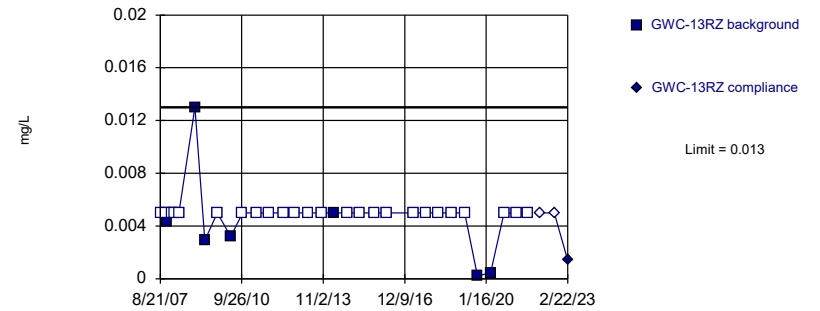


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

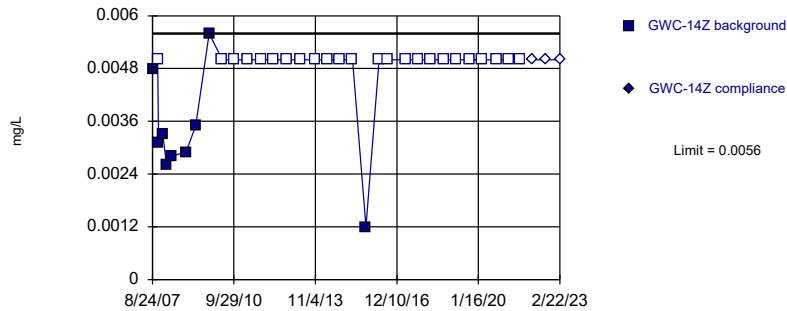


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

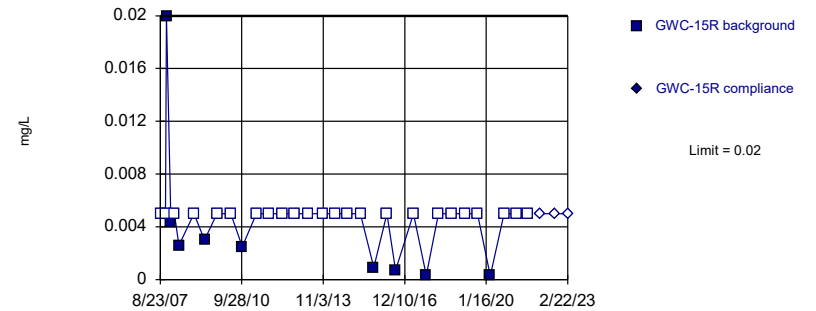


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

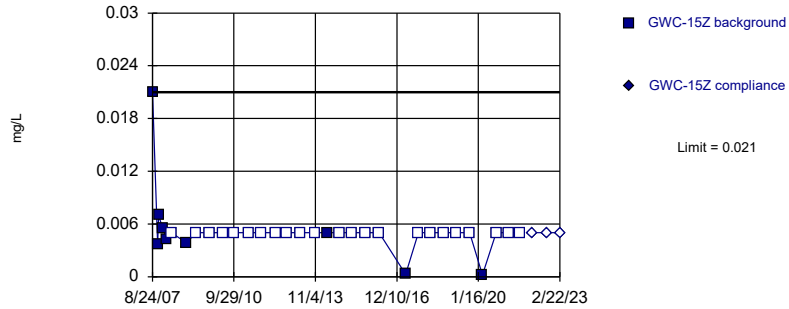


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

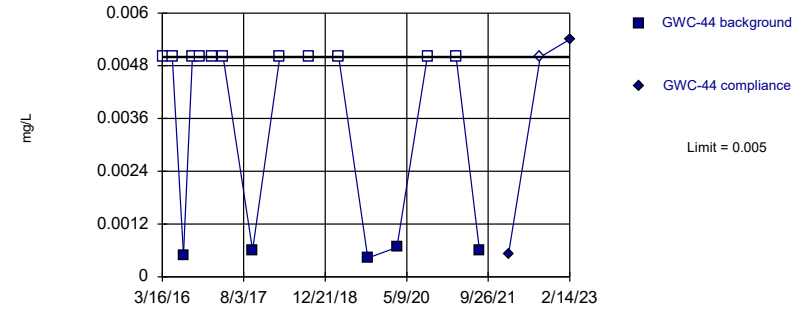


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

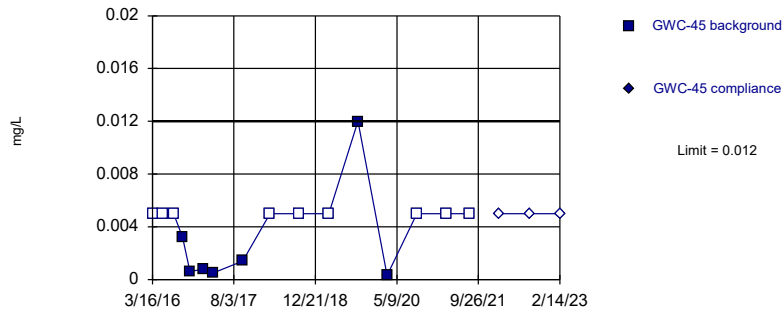


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

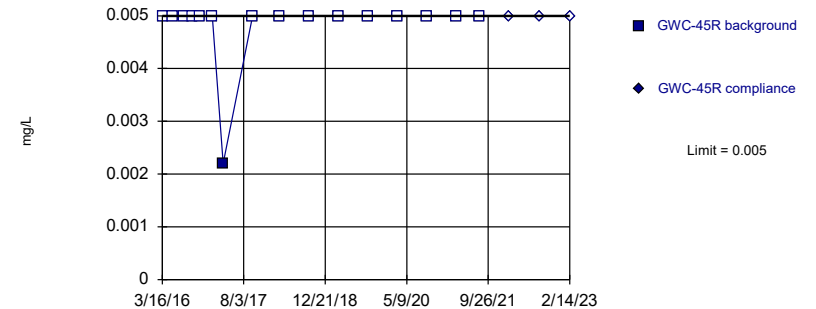


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

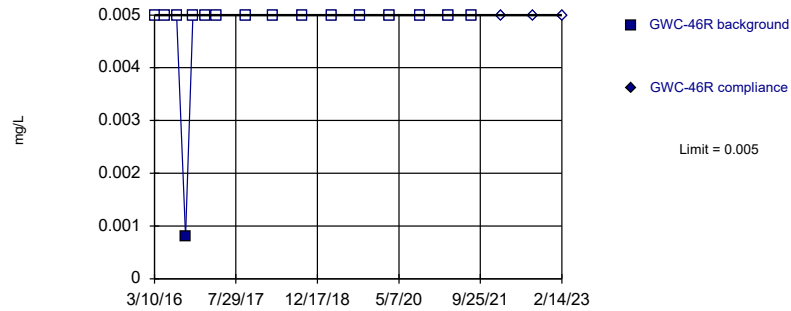


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

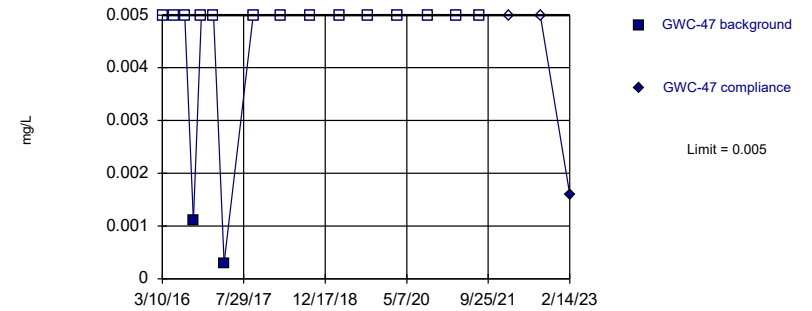


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

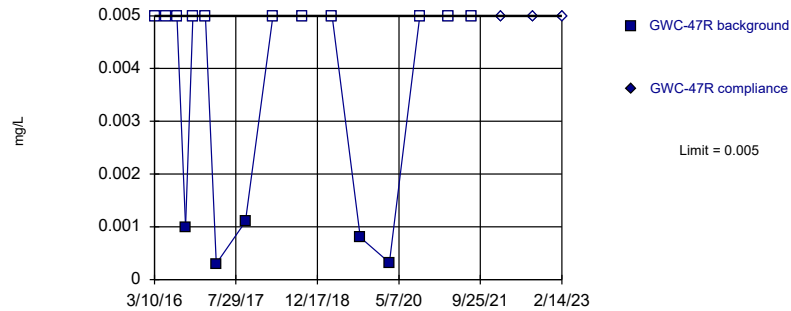


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

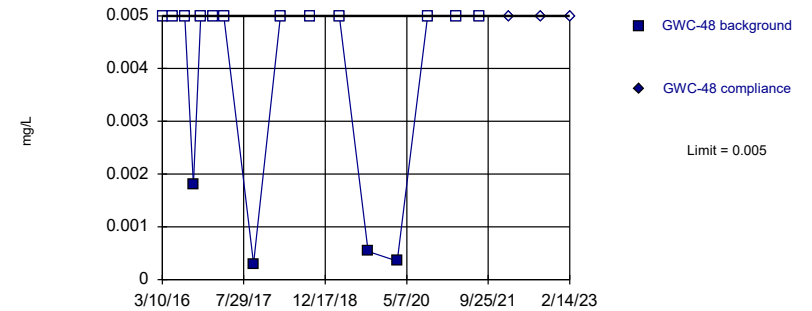


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

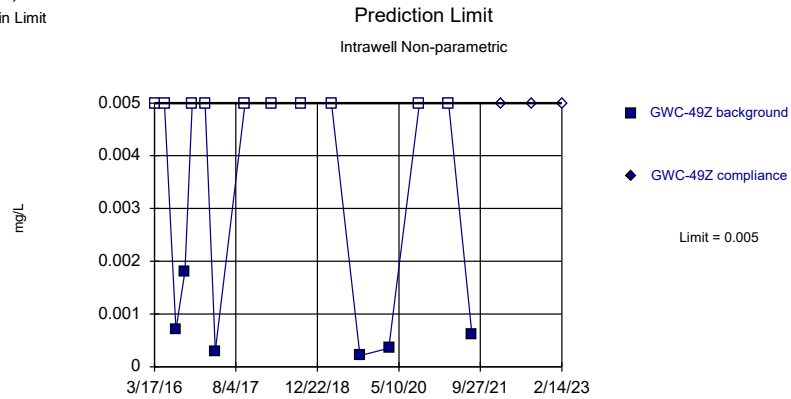
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

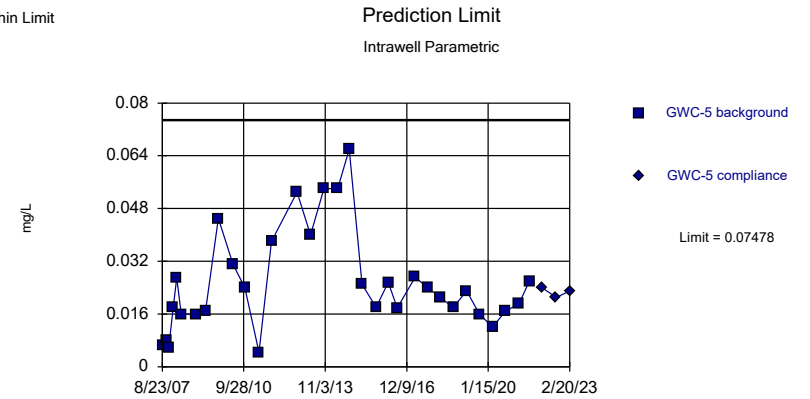
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

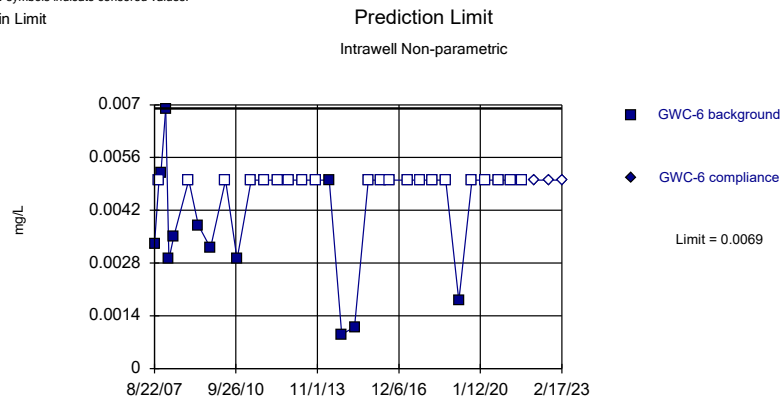
Within Limit



Background Data Summary (based on square root transformation): Mean=0.1527, Std. Dev.=0.04654, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9533, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

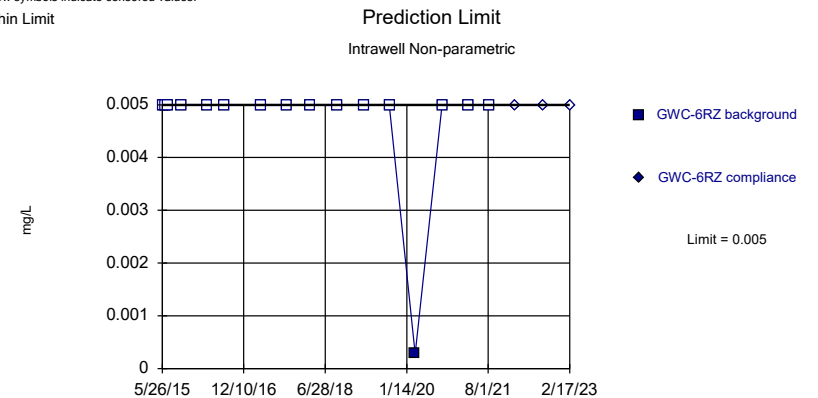
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

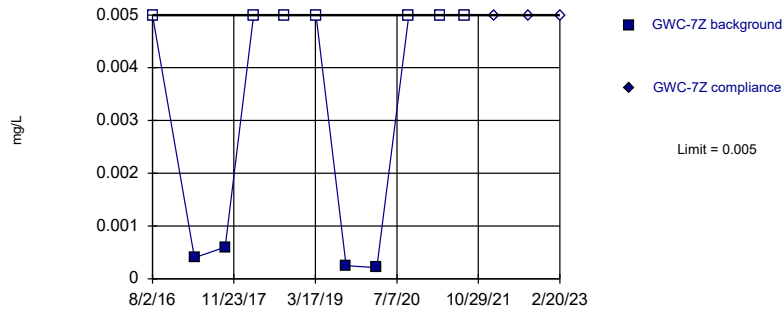


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

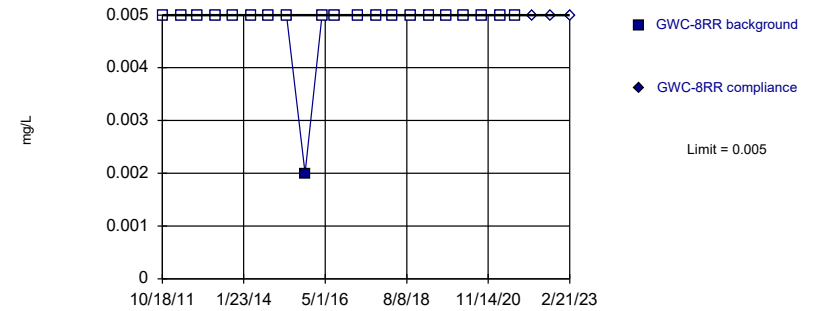


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

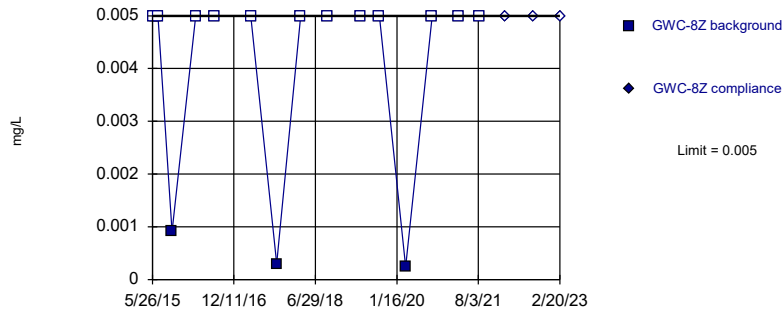


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

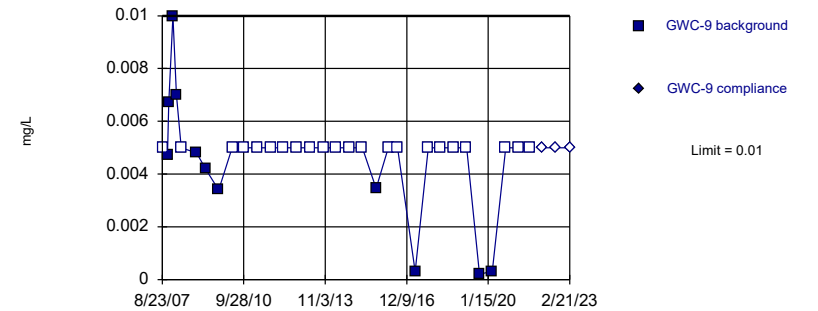


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

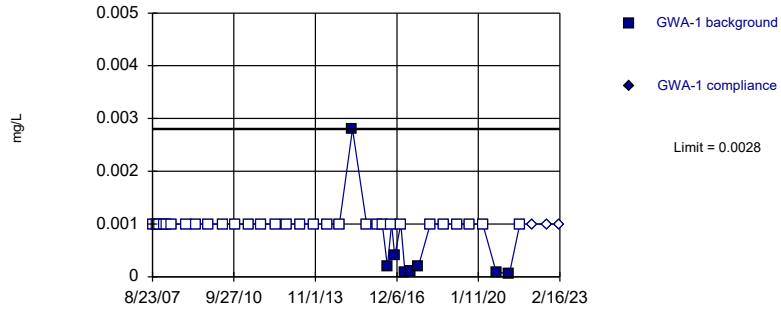


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

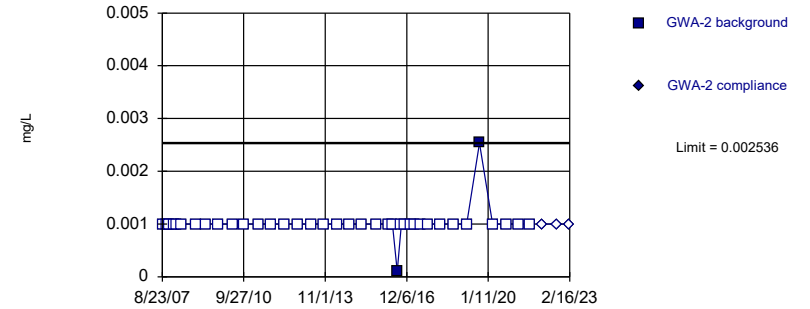


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

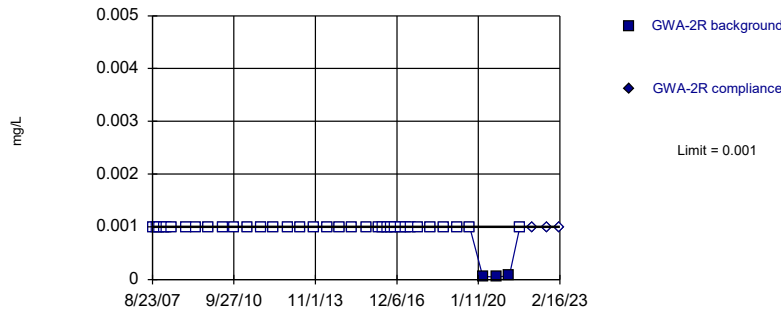


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

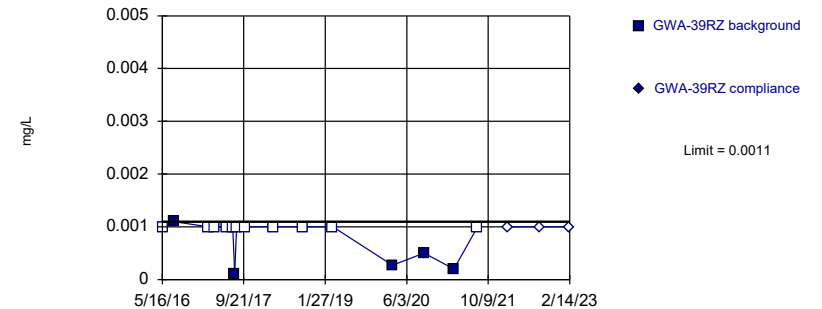


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

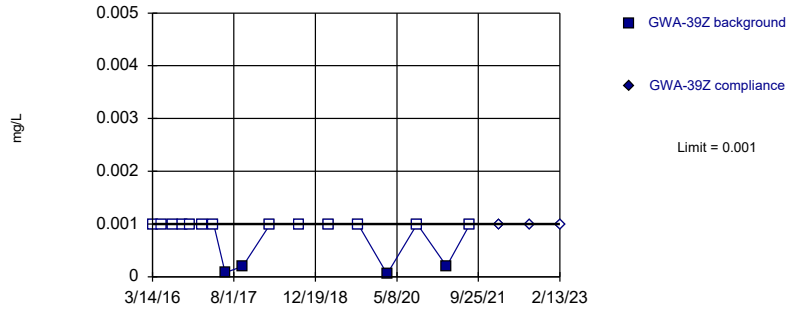


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

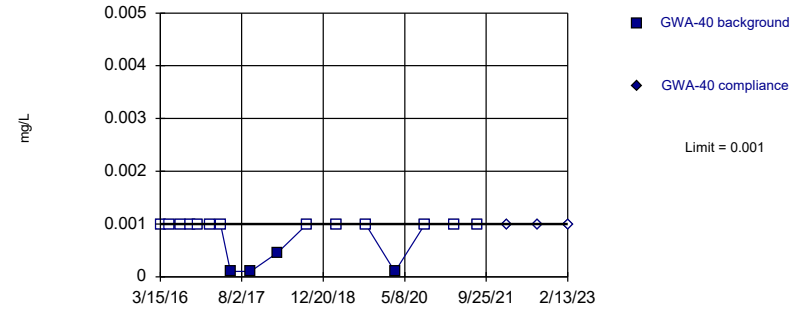


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:19 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

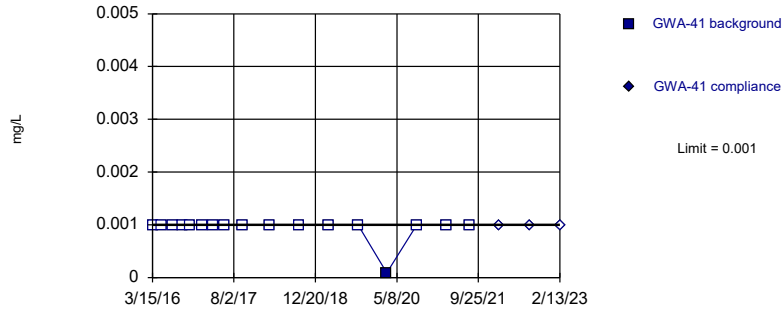


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

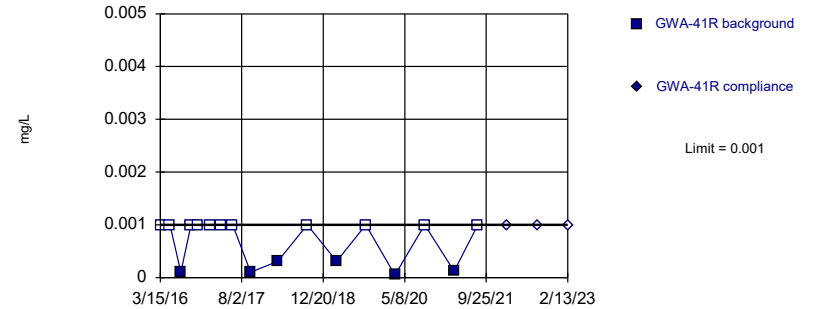


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

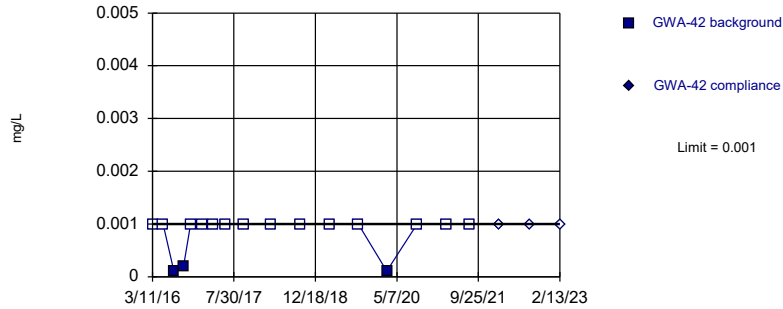


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

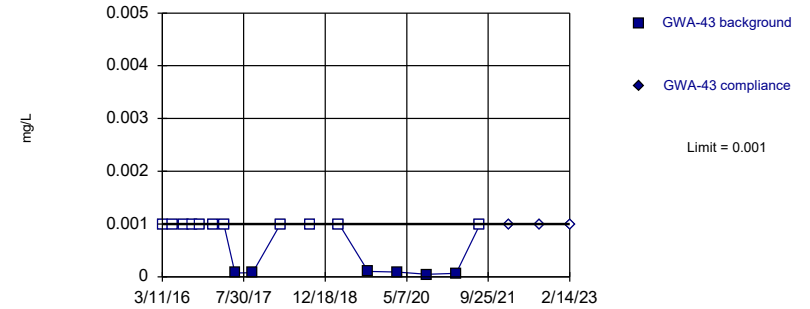


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

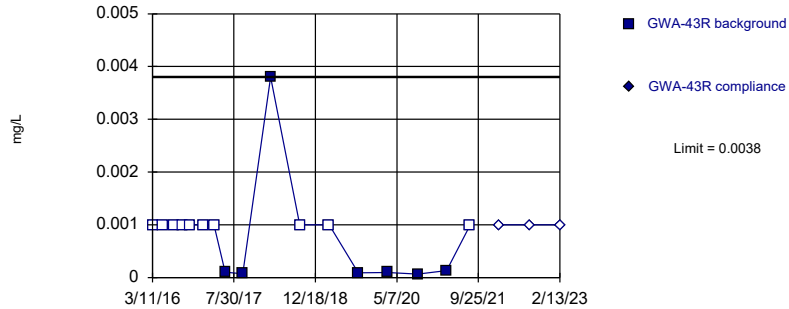


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

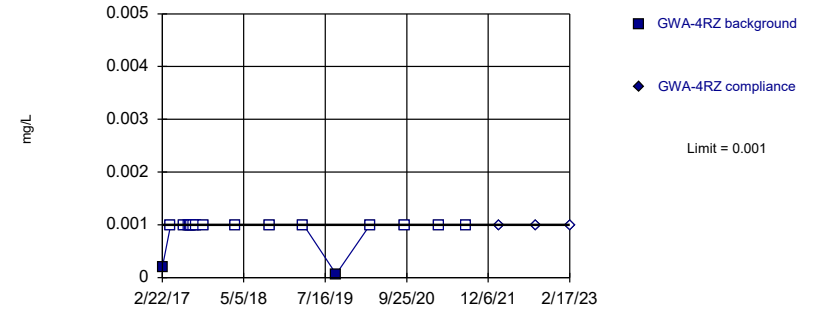


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

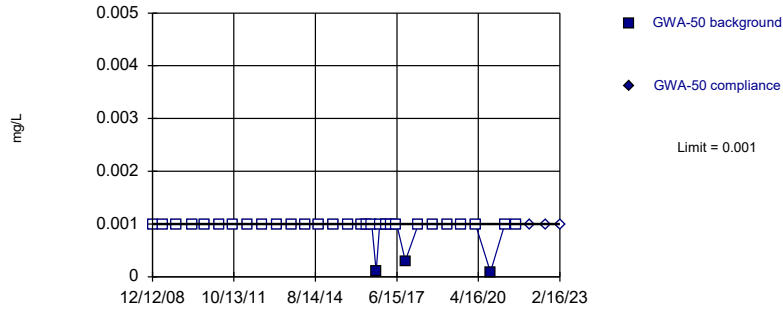


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

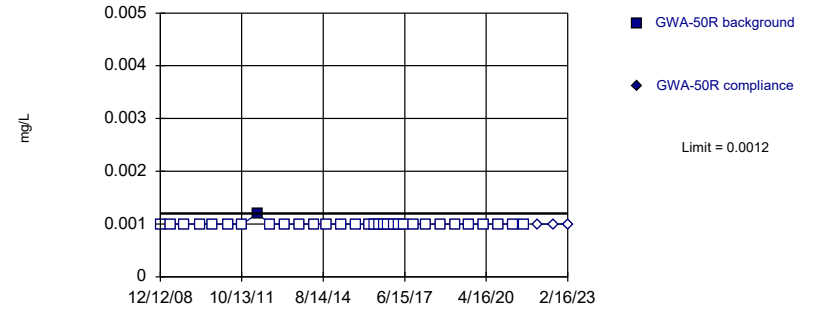


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

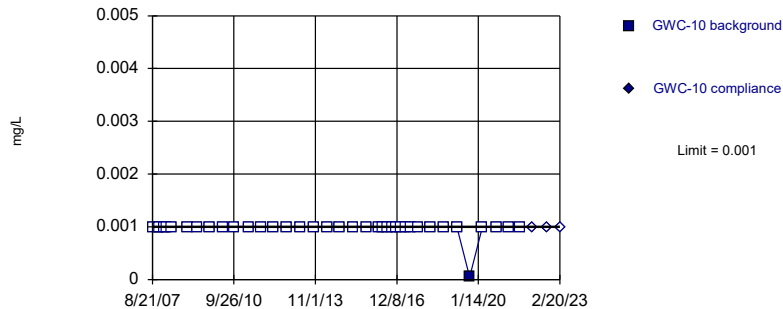


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

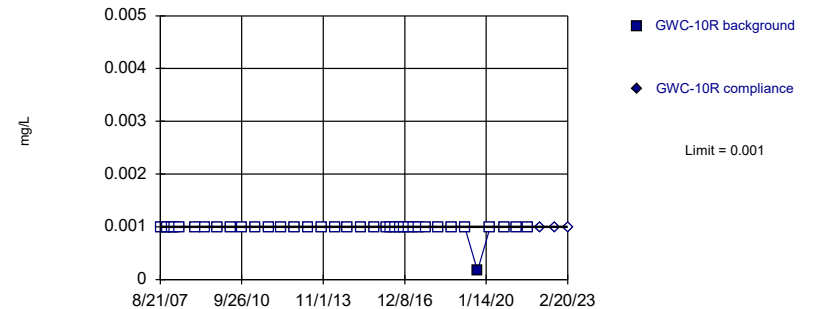


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

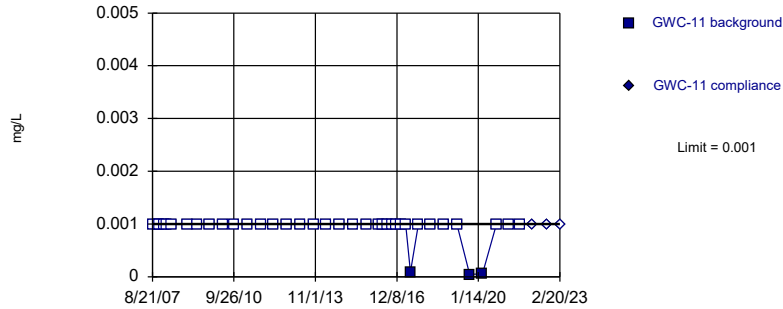


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

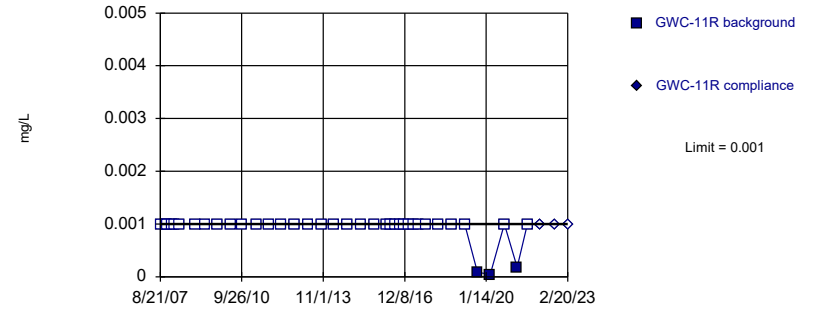


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

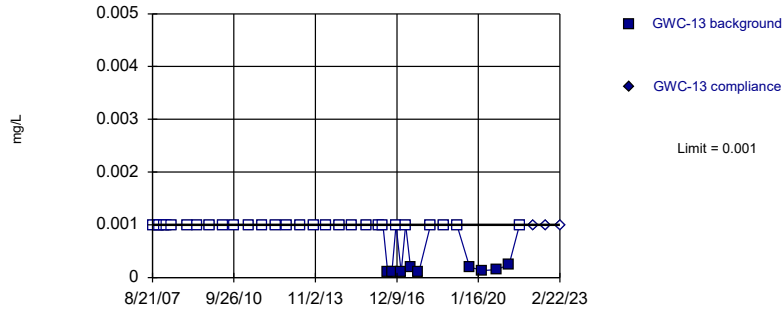


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

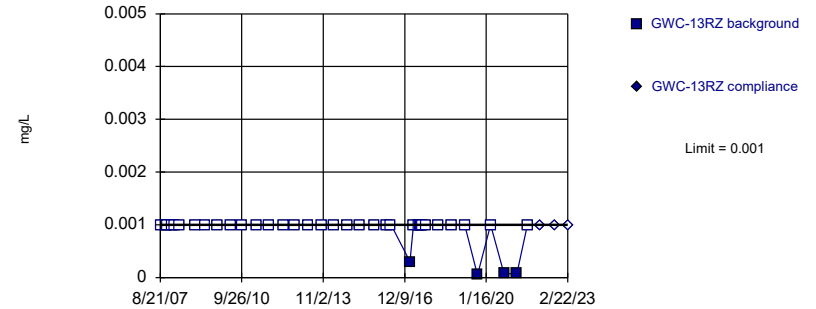


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

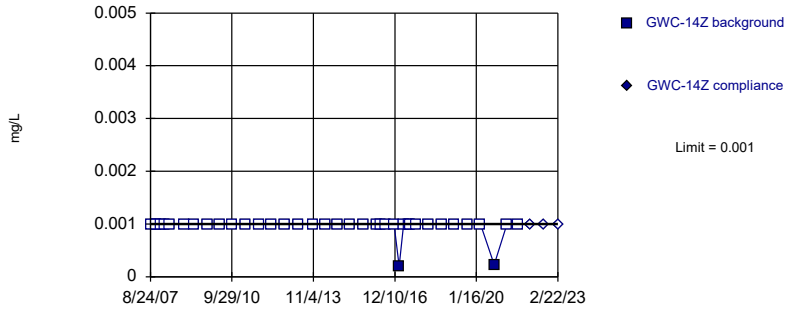


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

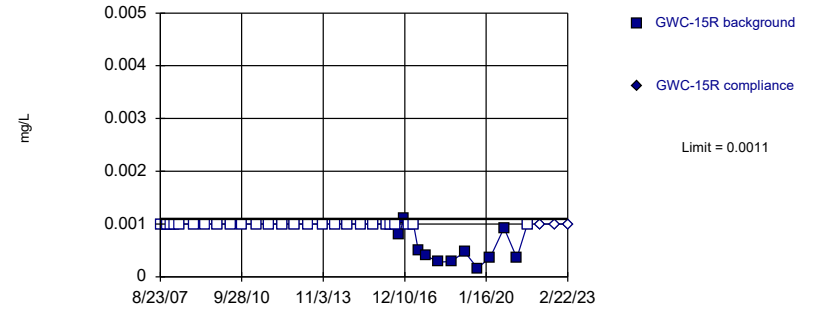


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

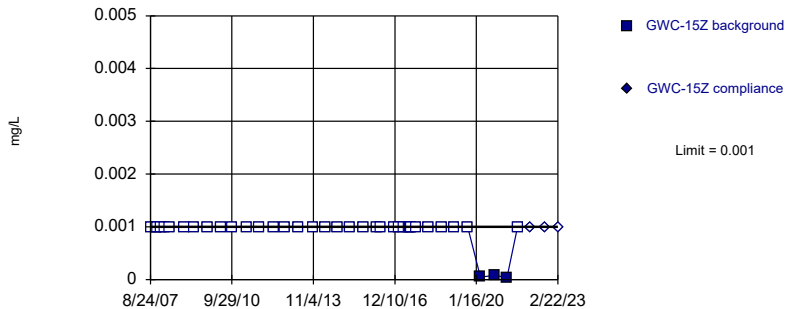


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

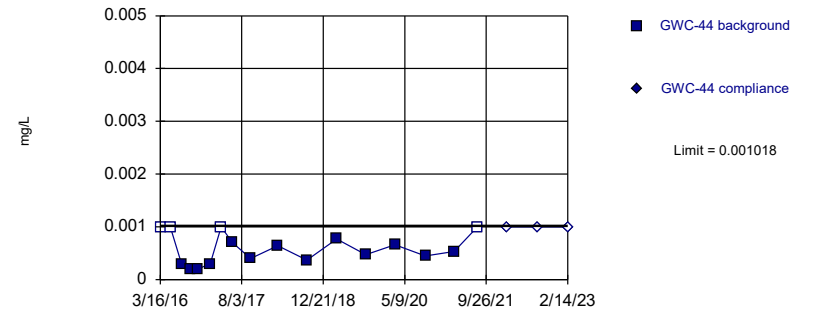


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

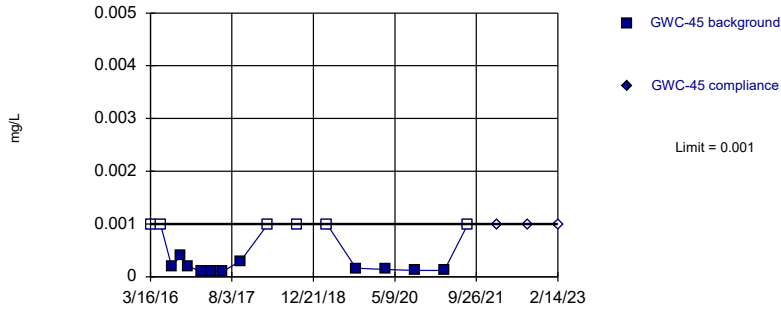


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0004531, Std. Dev.=0.0001903, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9039, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

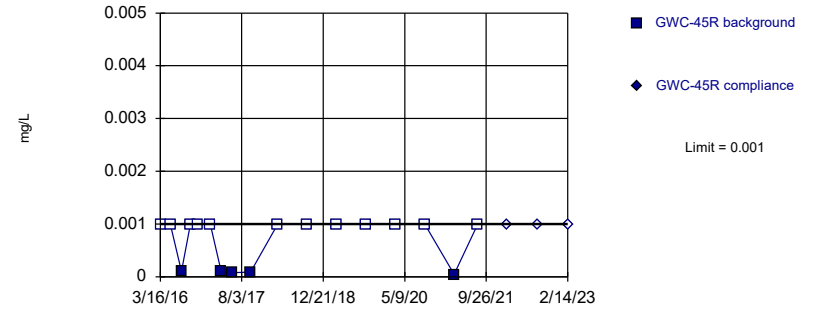


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 35.29% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

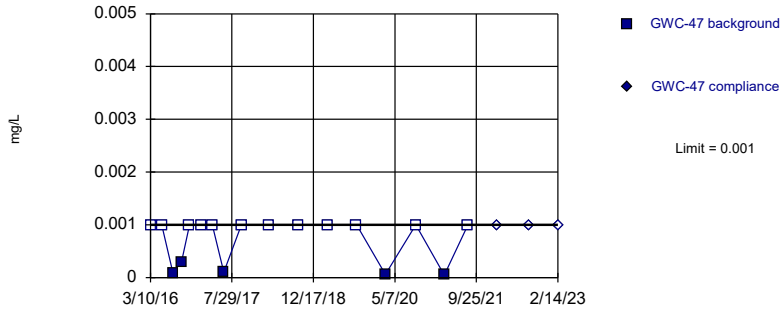


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

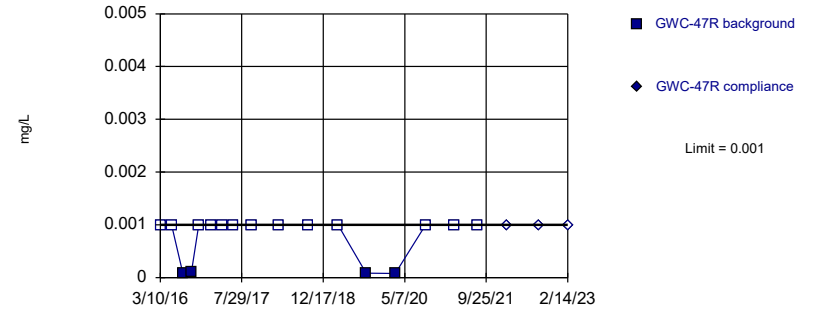


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

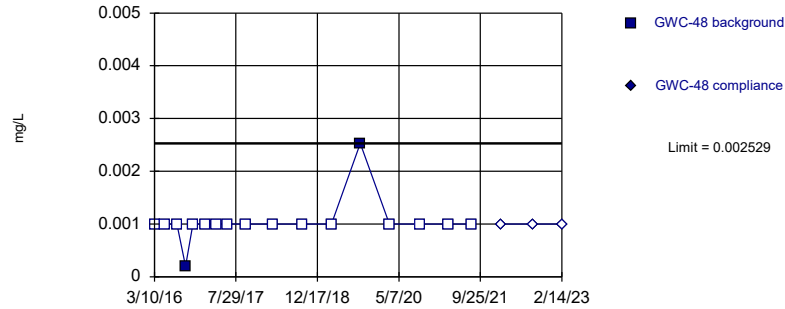


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

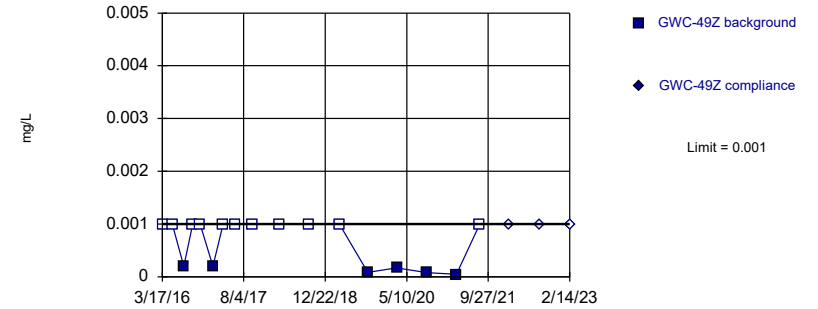


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

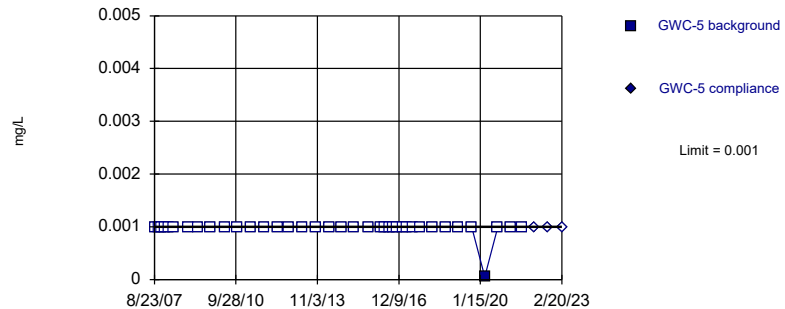


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

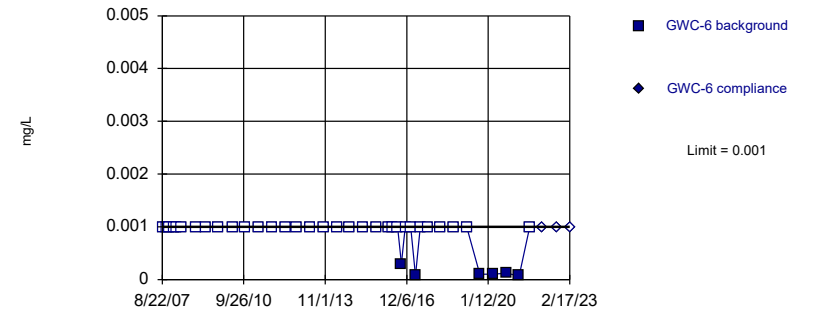


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

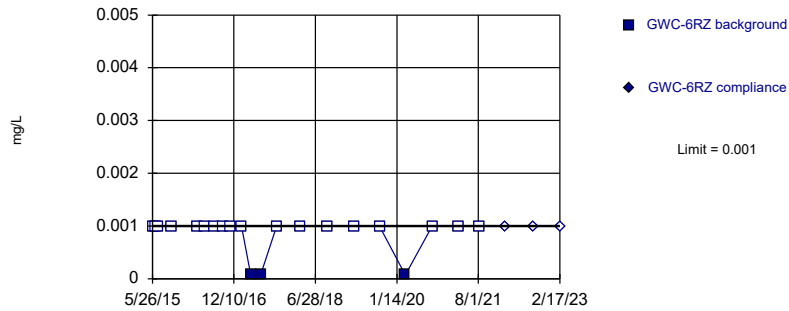


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

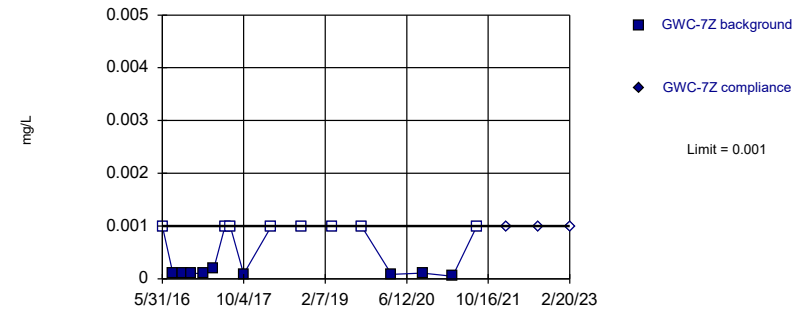


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

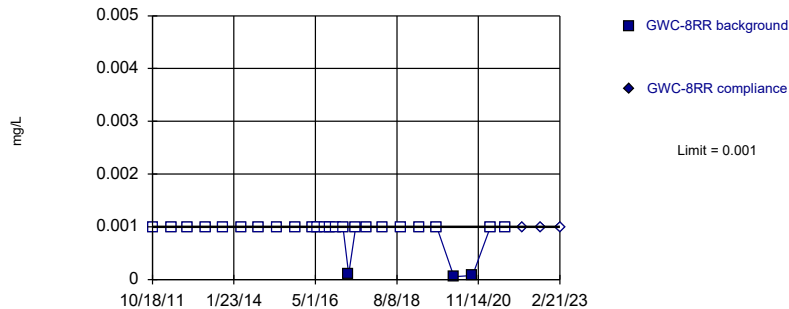


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

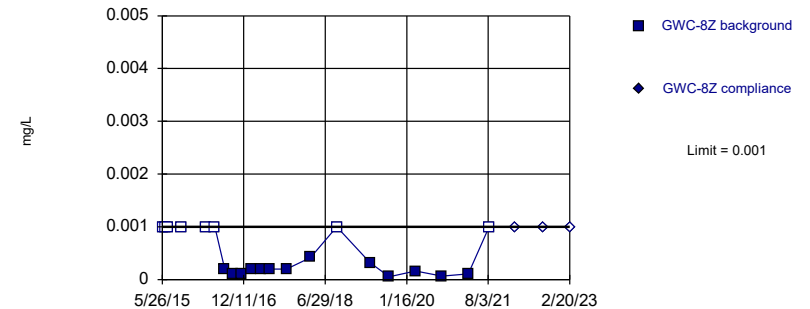


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

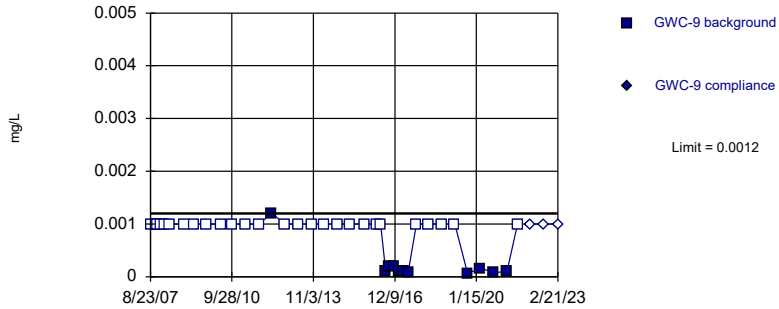


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

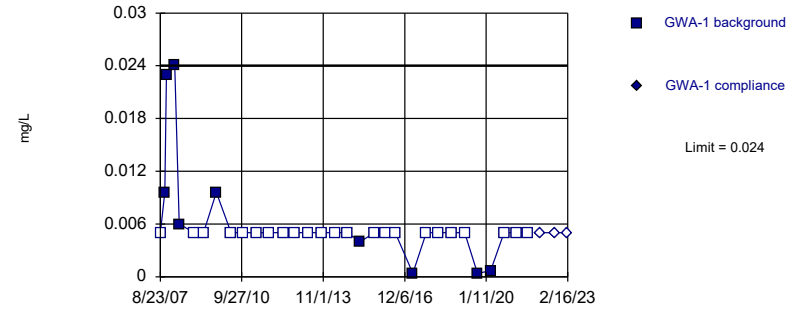


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

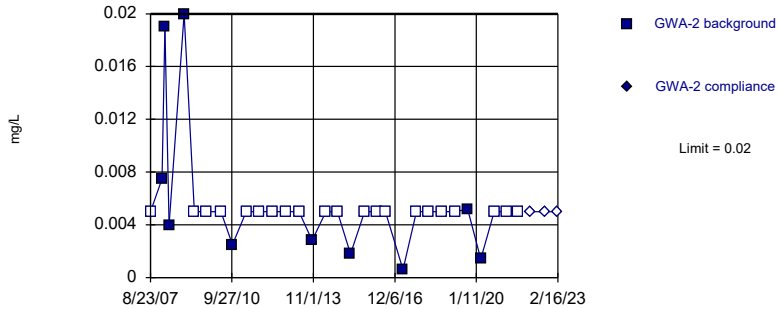


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

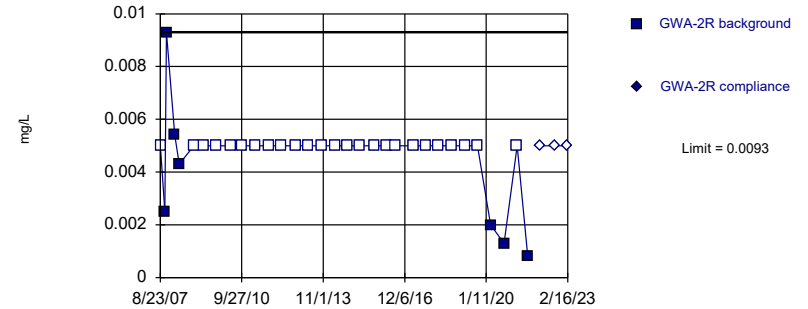


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 67.74% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

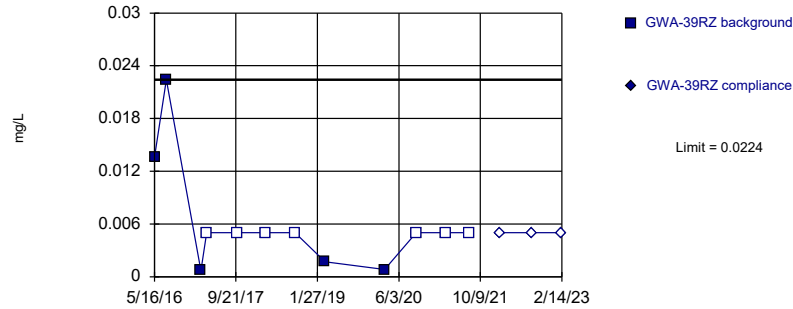


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

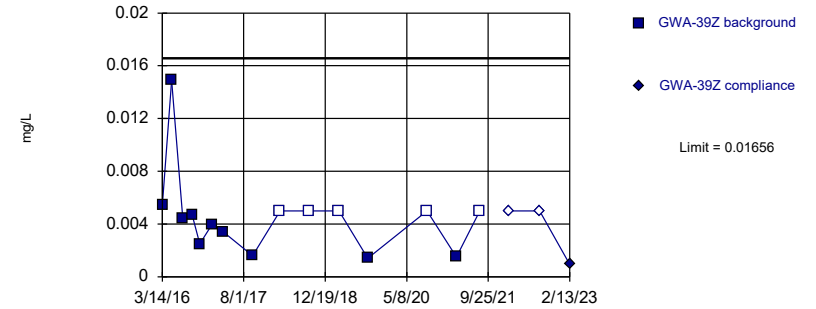


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

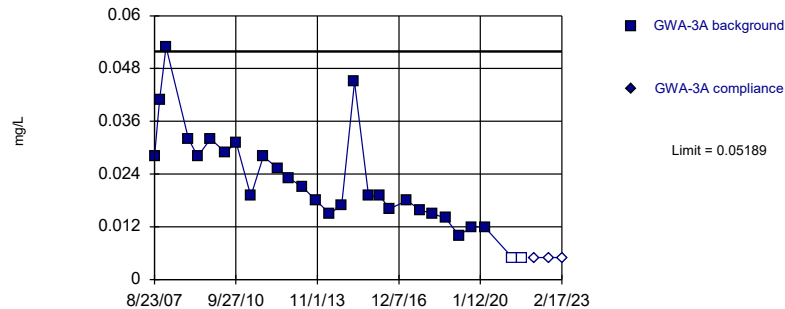


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1494, Std. Dev.=0.03401, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8471, critical = 0.835. Kappa = 3.102 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

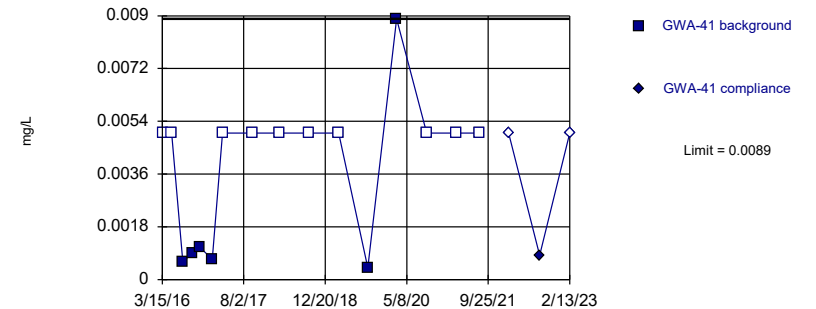


Background Data Summary: Mean=0.02228, Std. Dev.=0.01125, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

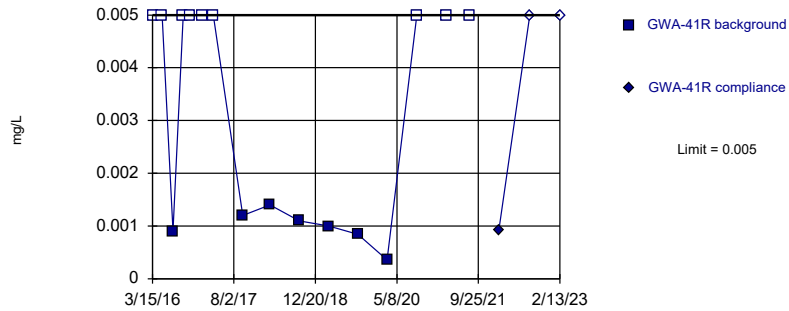


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

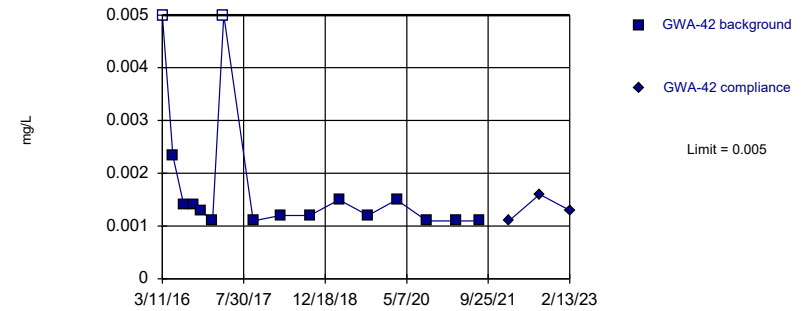


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

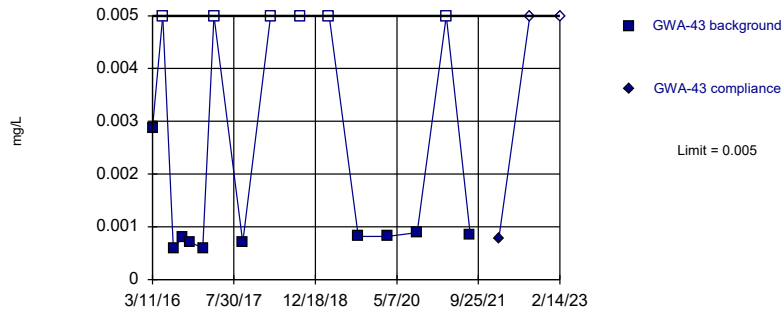


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

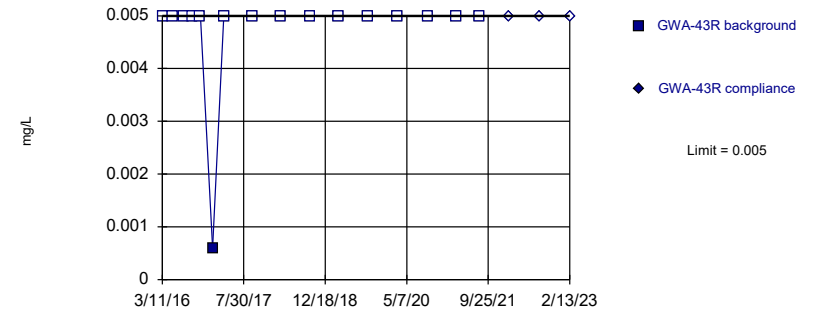


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

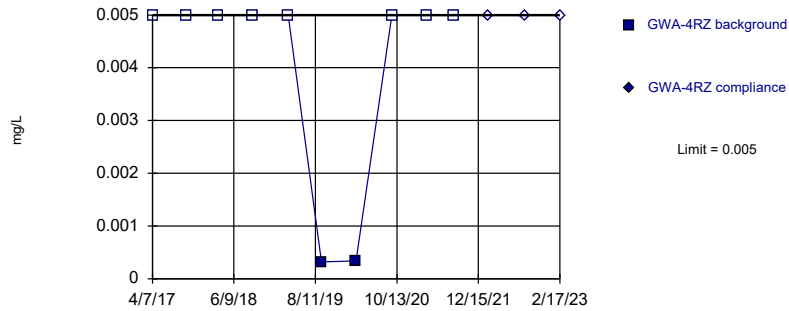


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

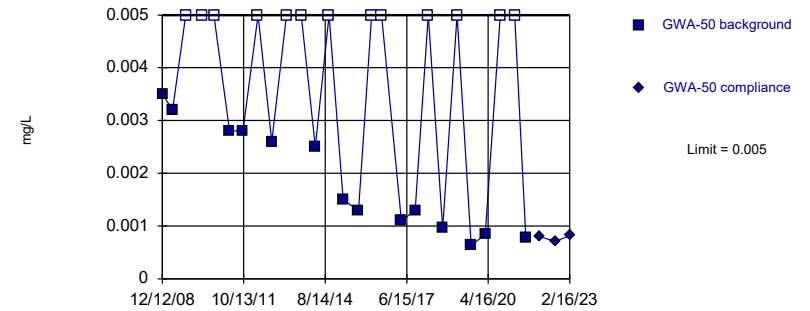


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

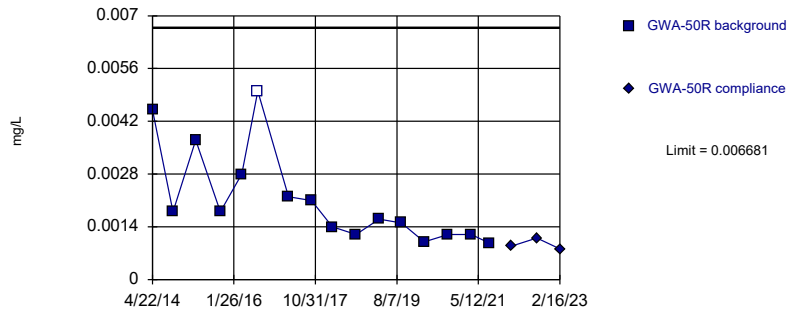


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

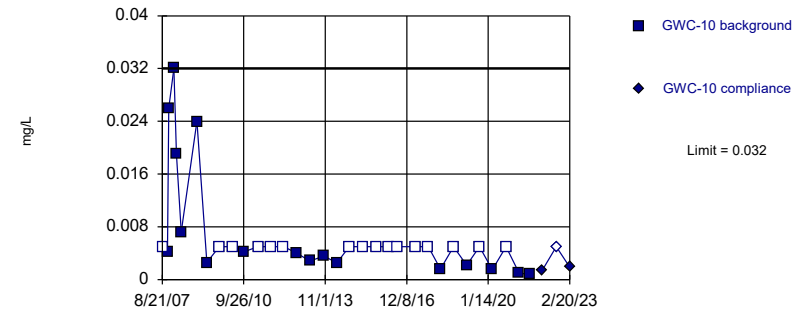


Background Data Summary (based on square root transformation): Mean=0.0445, Std. Dev.=0.01236, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8726, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

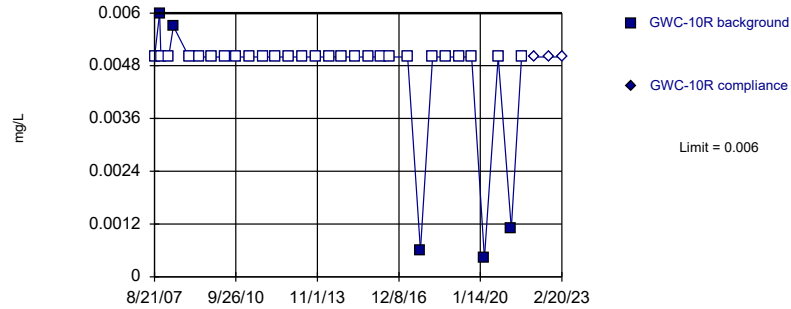


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

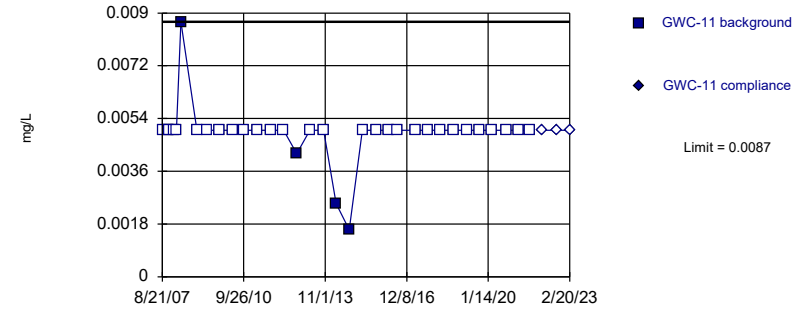


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

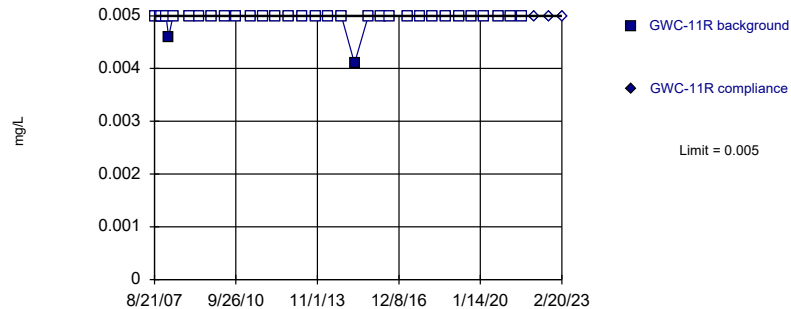


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 87.88% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

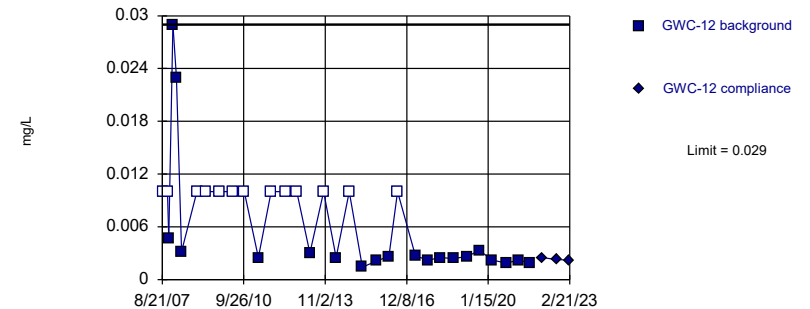


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.94% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

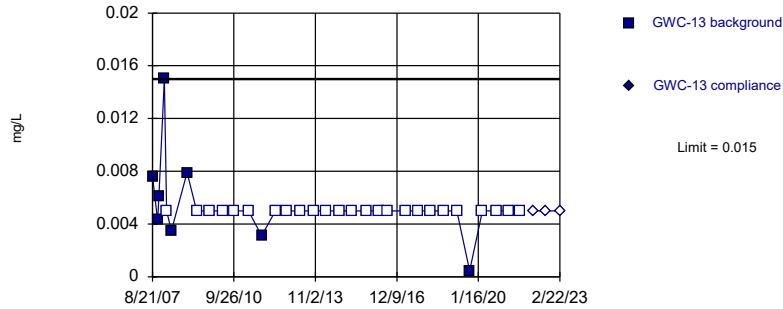


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 39.39% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

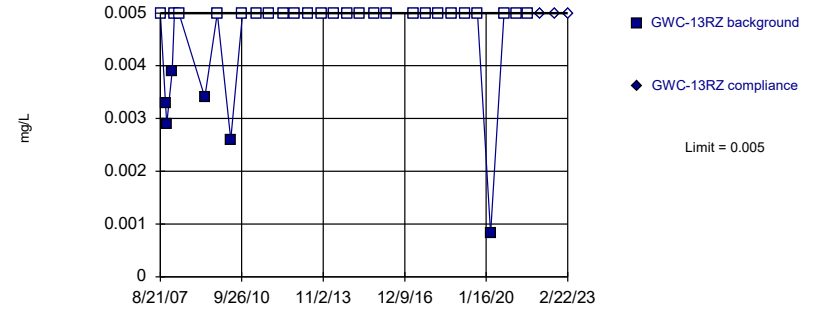


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 75.76% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

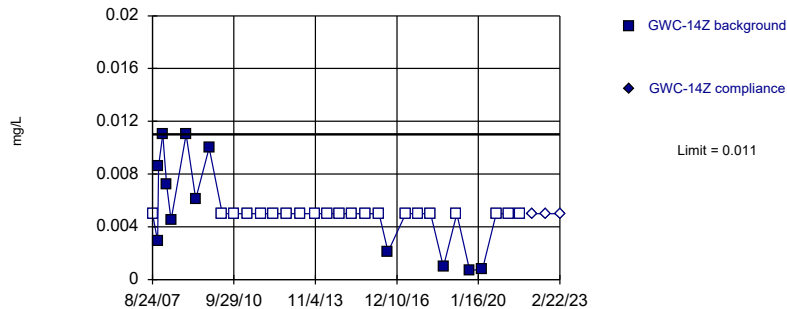


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

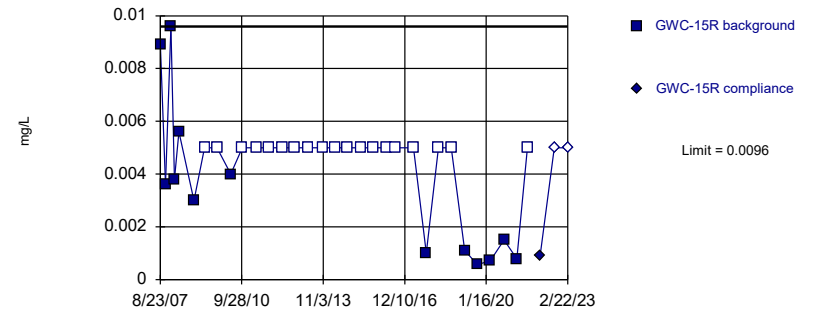


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

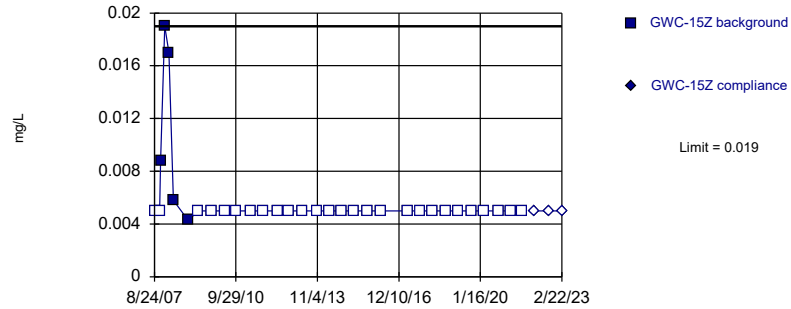


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 59.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

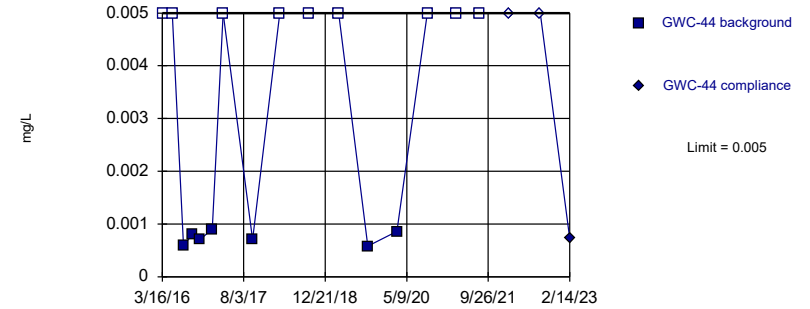


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:20 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

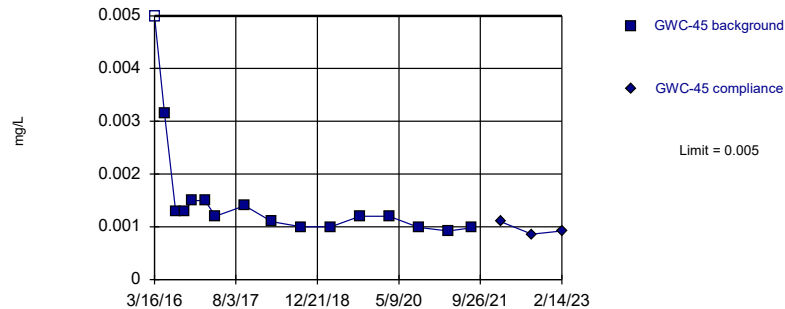


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

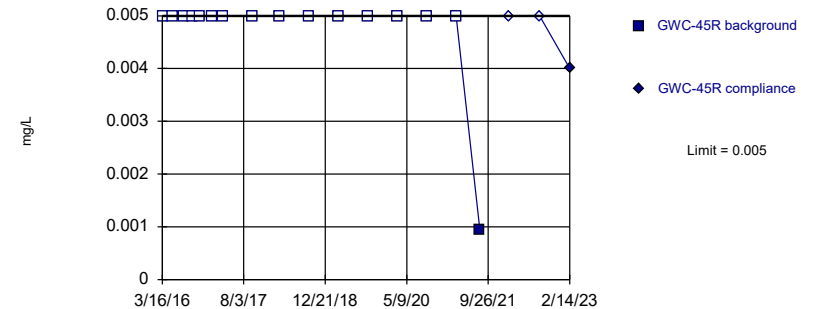


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 6.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

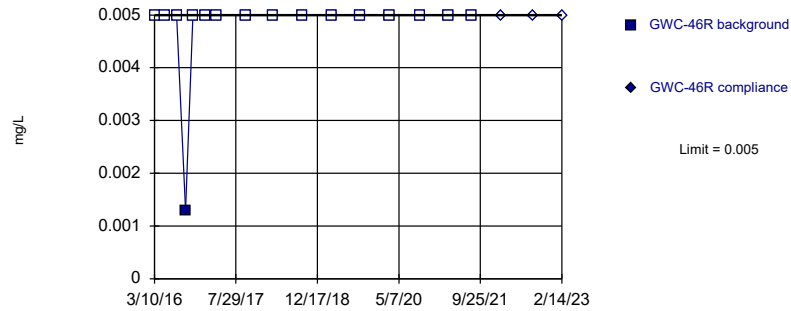


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

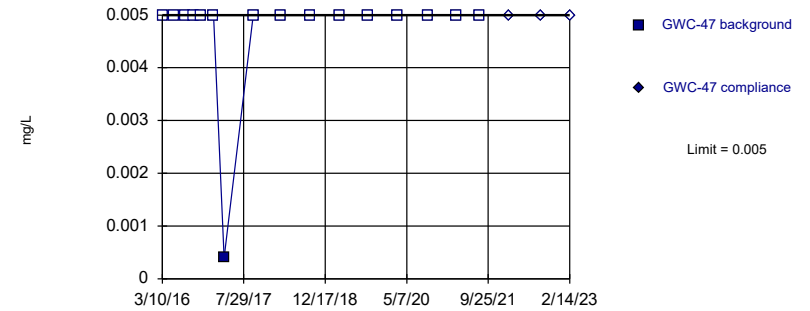


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

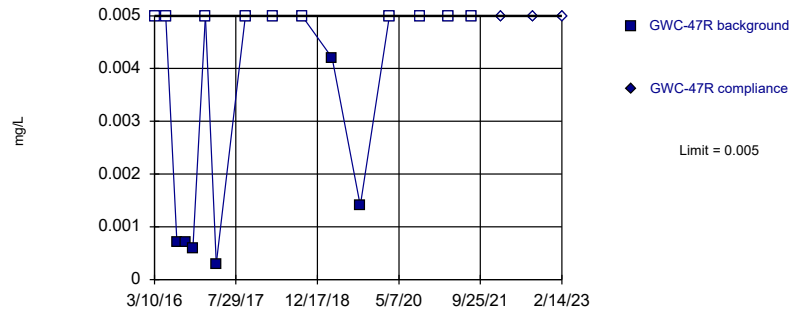


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

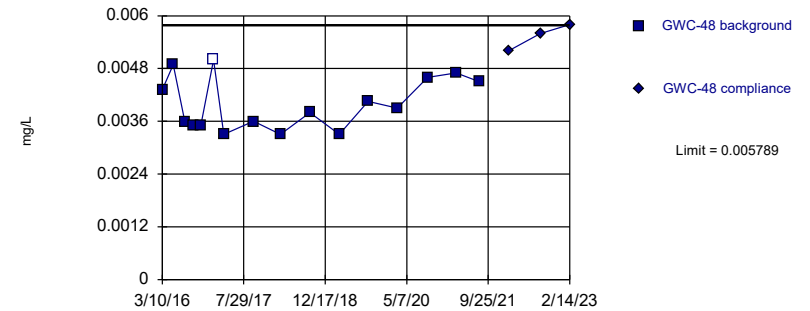


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

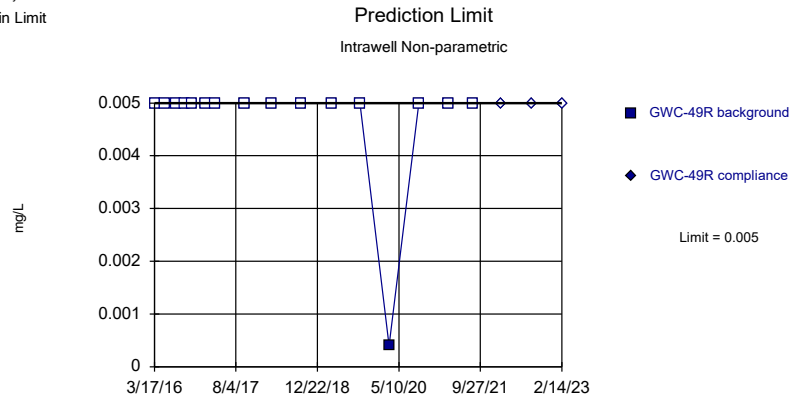
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.003991, Std. Dev.=0.0005964, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

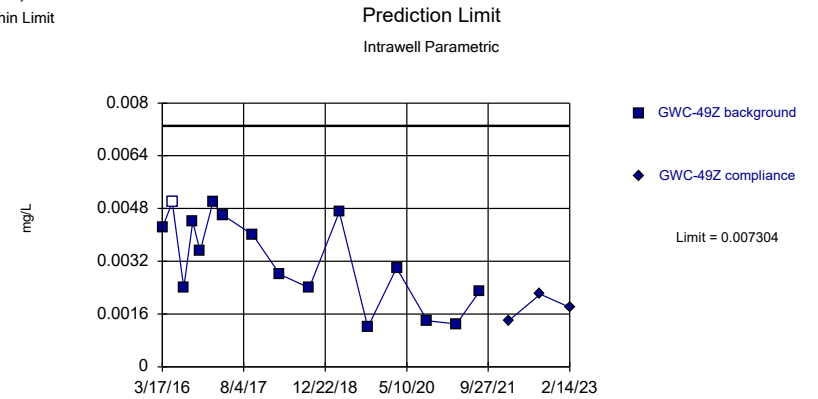
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

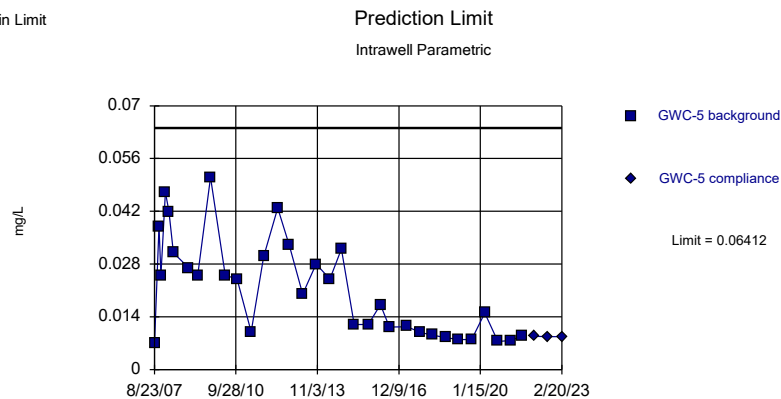
Within Limit



Background Data Summary: Mean=0.003263, Std. Dev.=0.001341, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9159, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

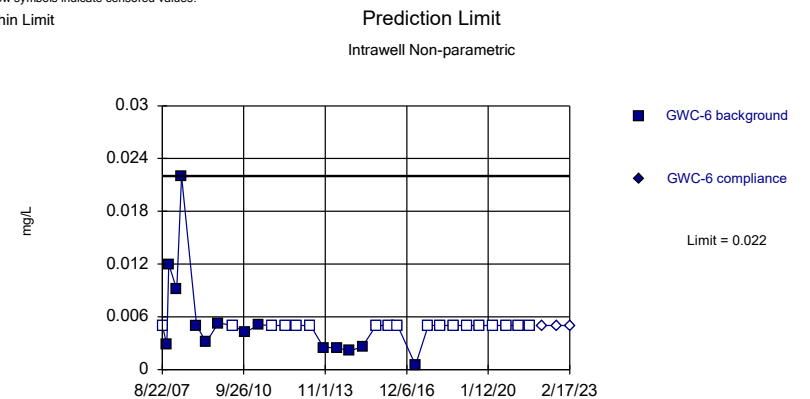
Within Limit



Background Data Summary (based on square root transformation): Mean=0.14, Std. Dev.=0.04382, n=33. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

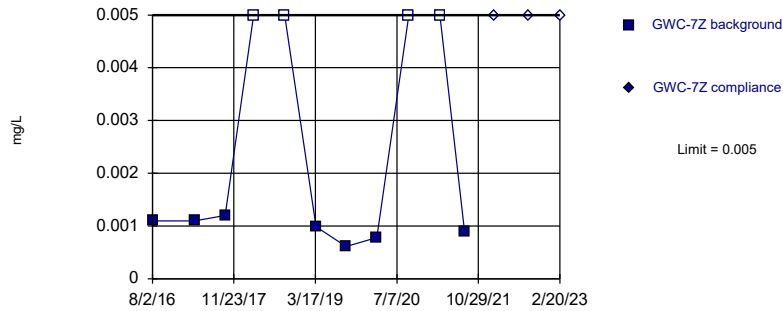


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

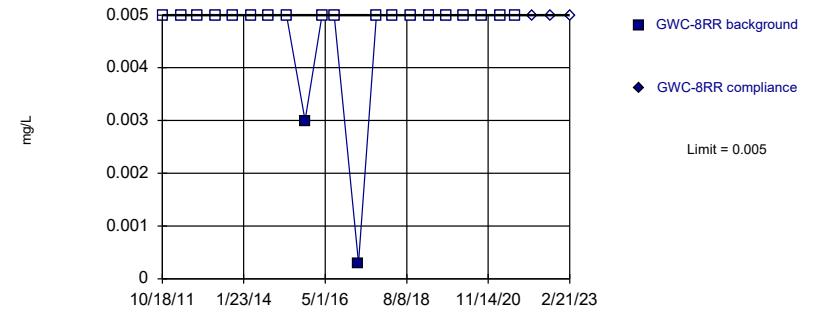


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

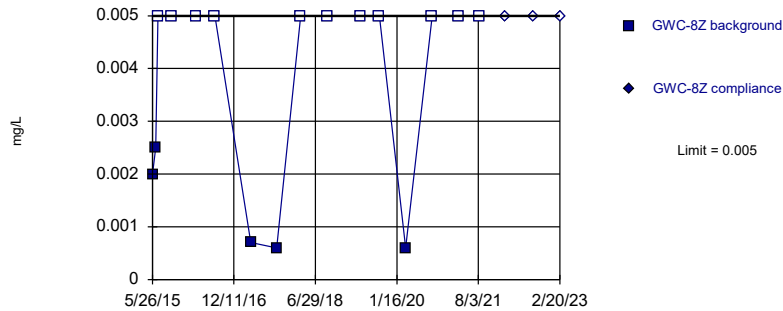


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

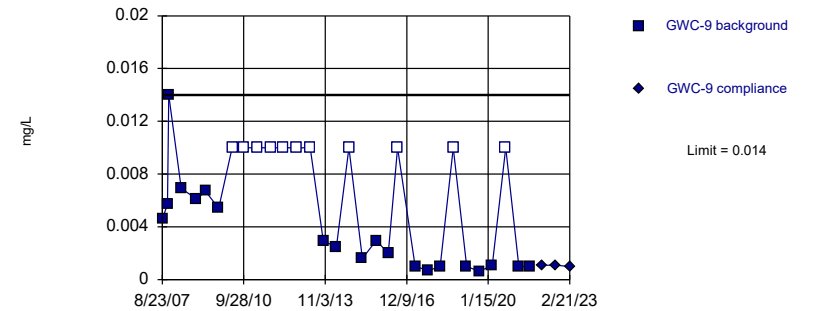


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

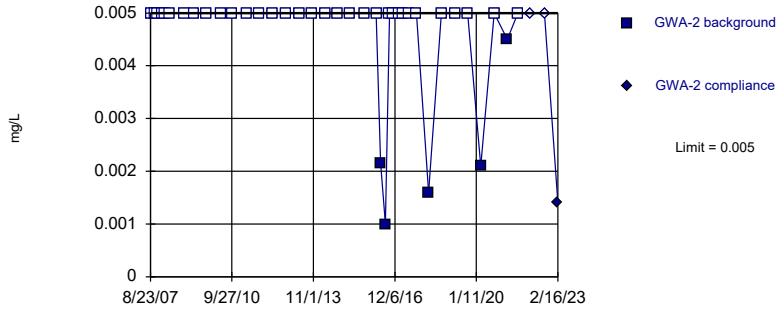


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 35.48% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

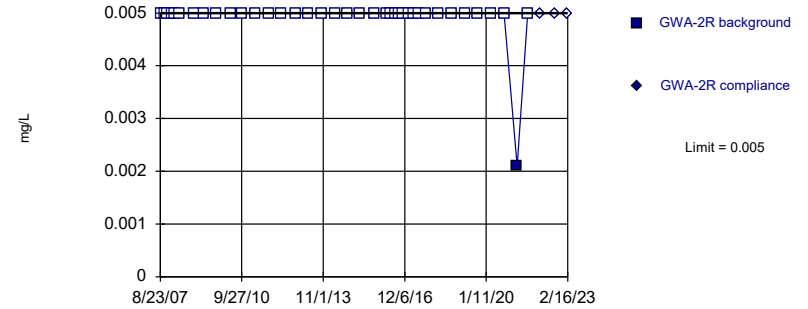


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

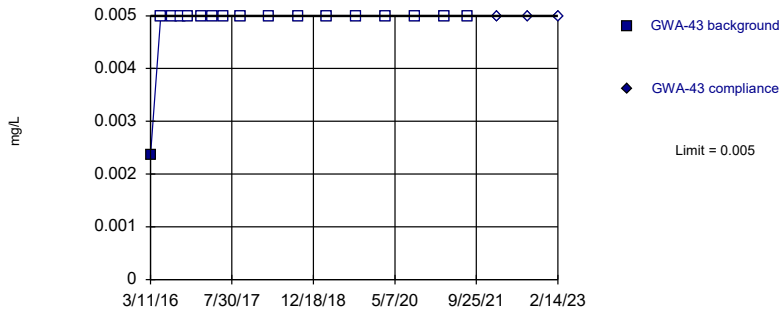


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

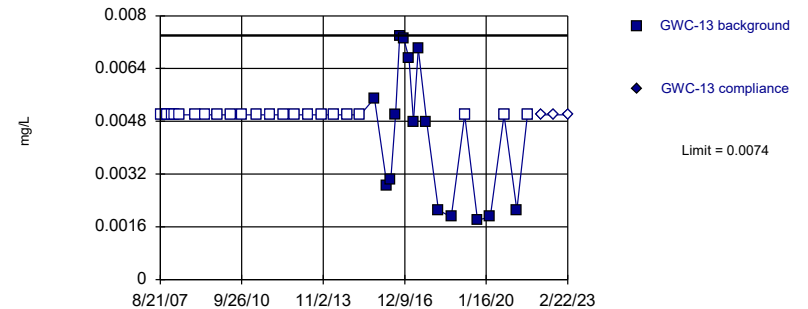


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.011179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

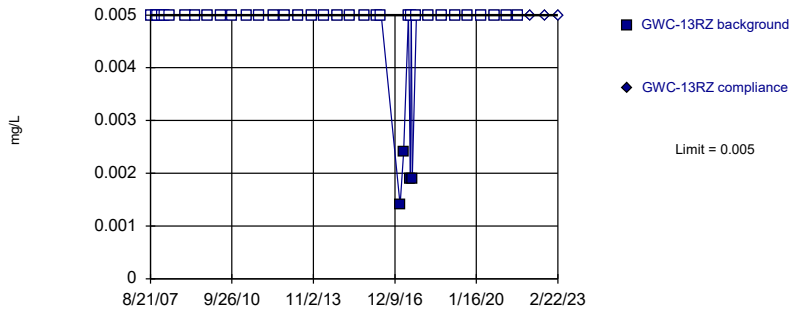


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

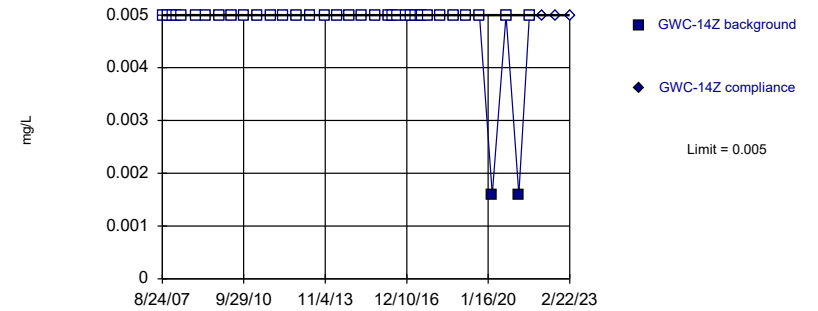


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

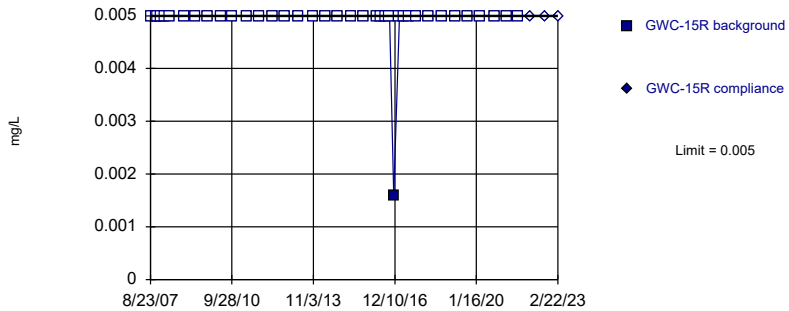


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

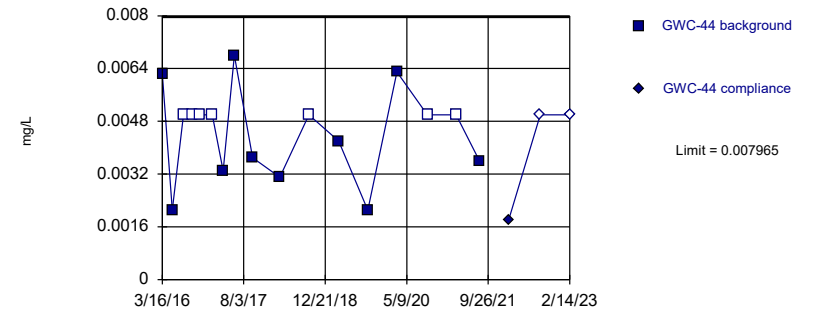


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

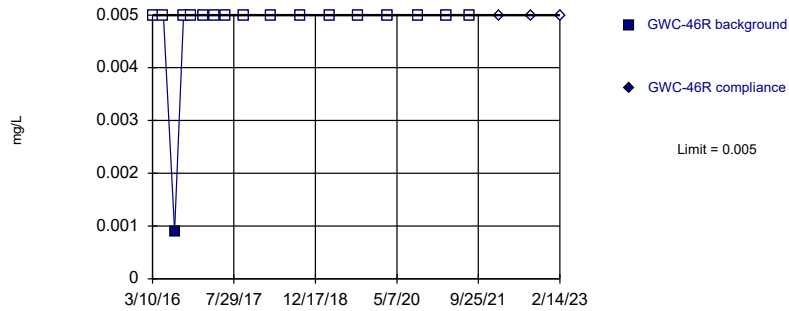


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003736, Std. Dev.=0.001425, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

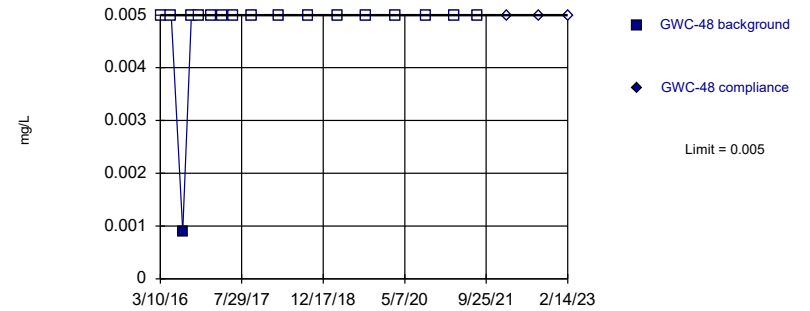


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

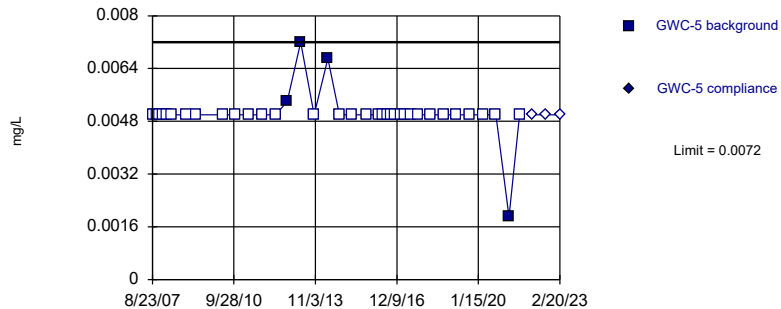


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

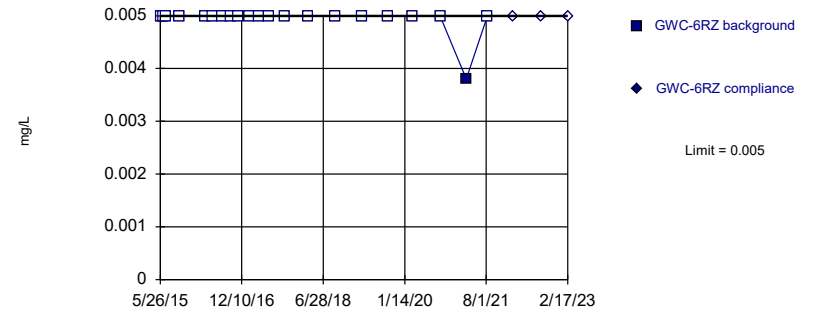


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 89.19% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

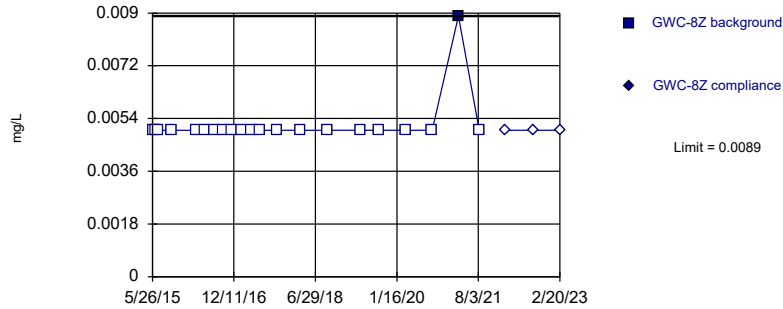


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

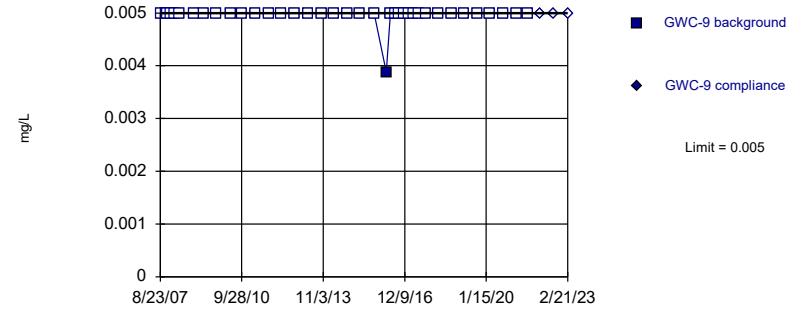


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

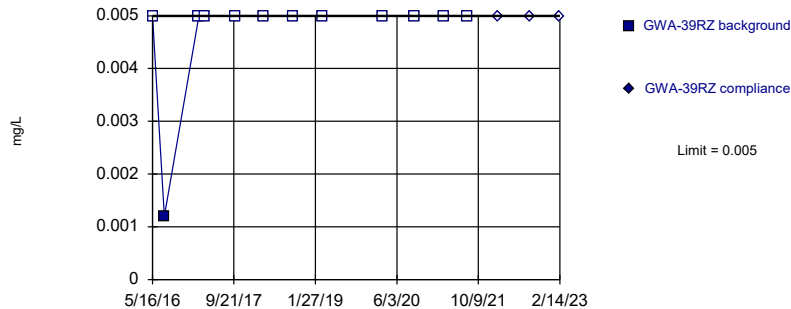


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

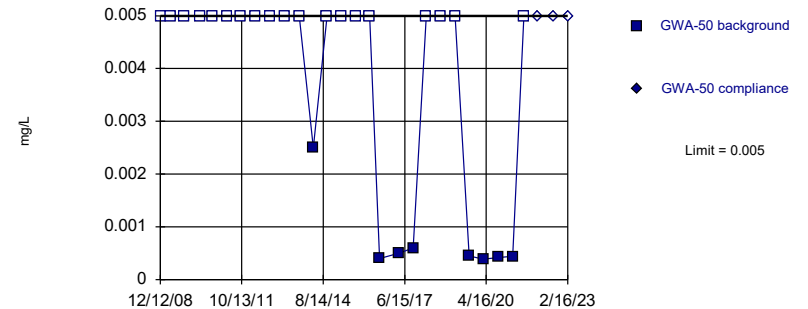


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric



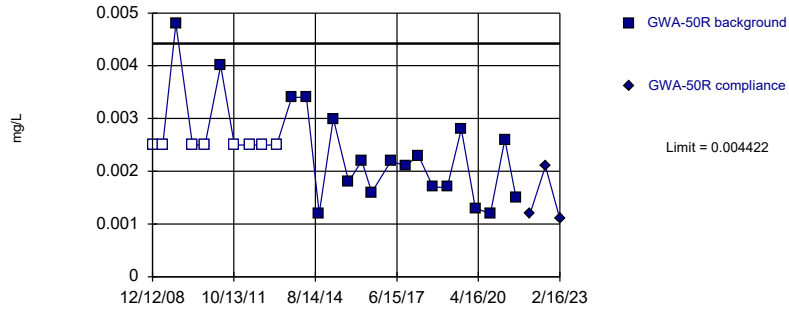
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



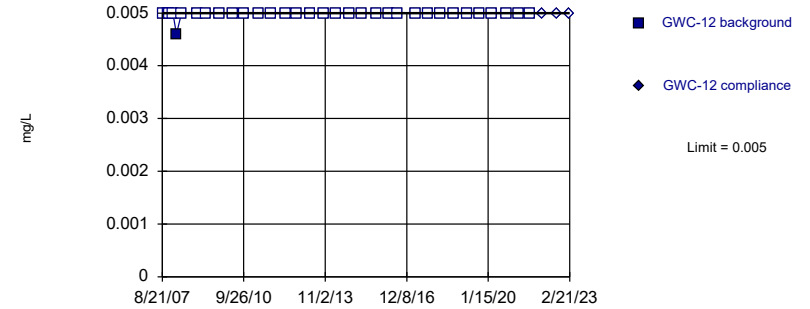
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002051, Std. Dev.=0.0008896, n=27, 29.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



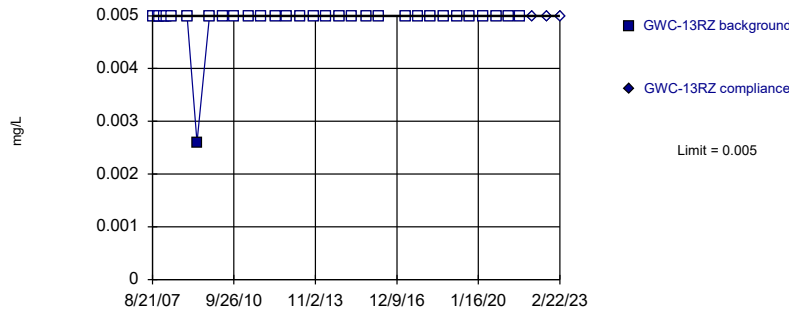
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 96.97% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



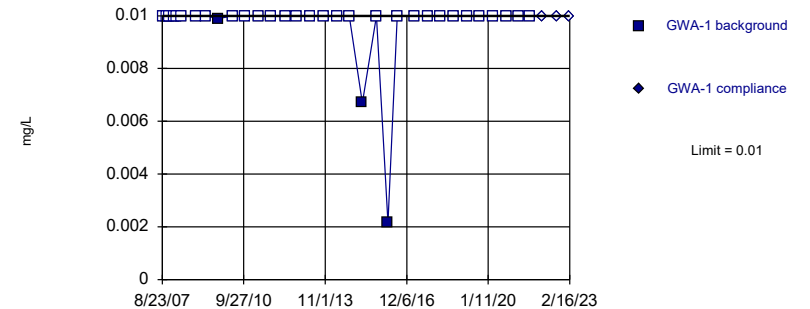
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Silver Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

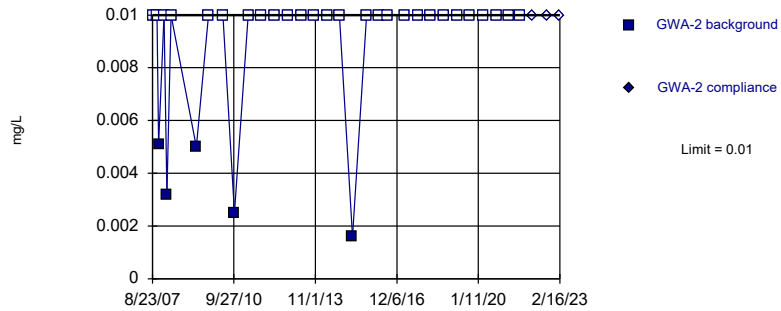


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

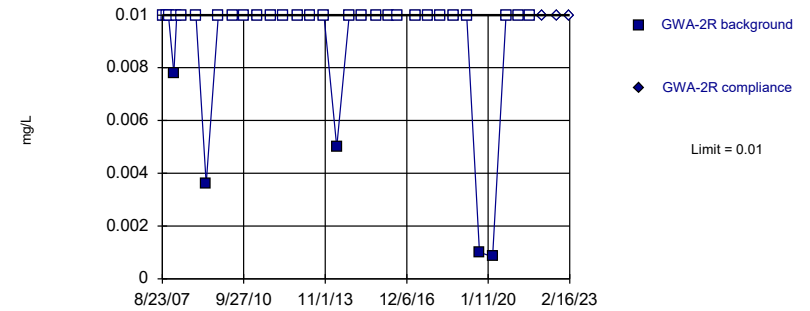


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

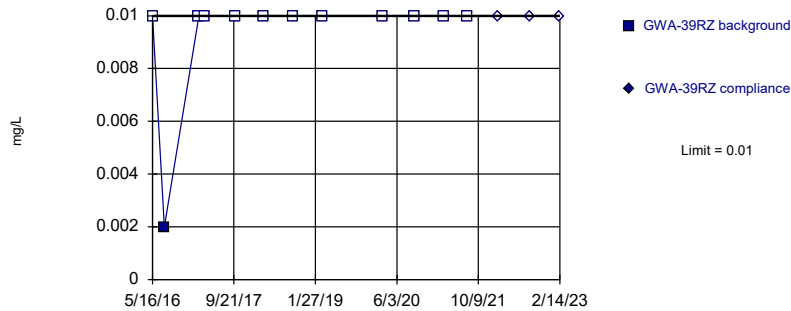


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

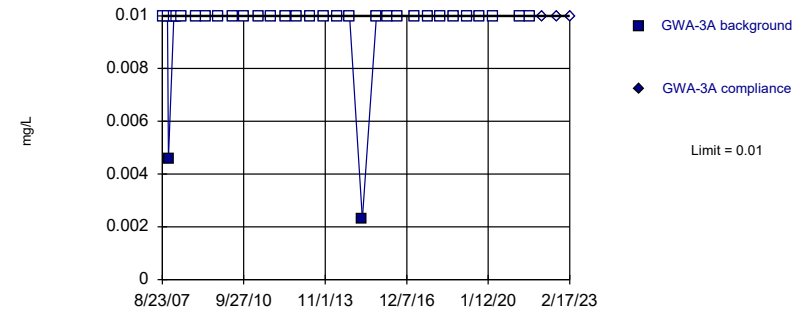


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

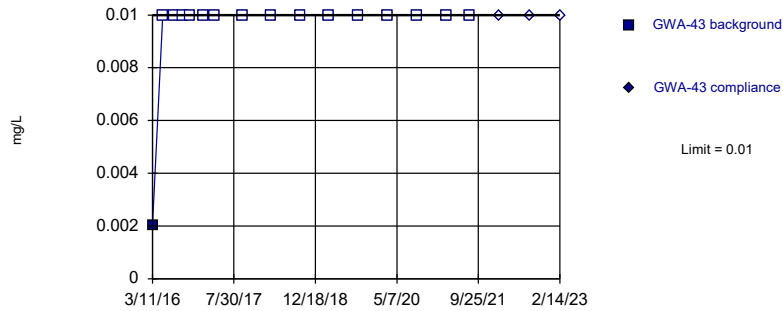


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

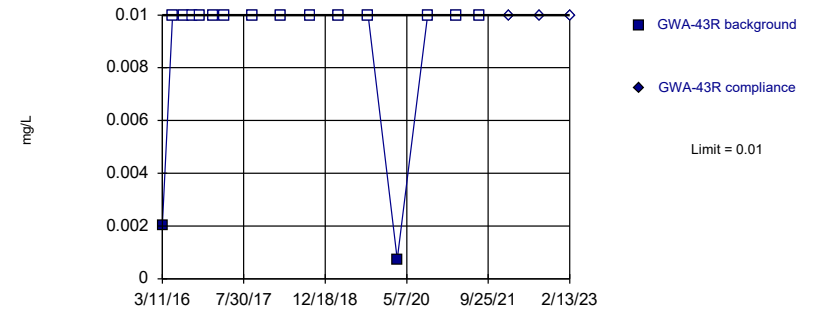


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

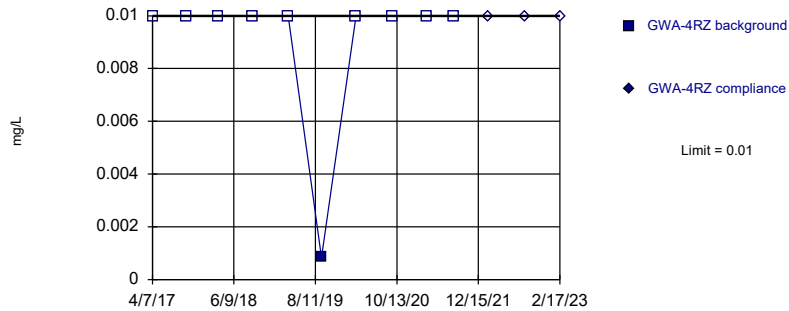


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

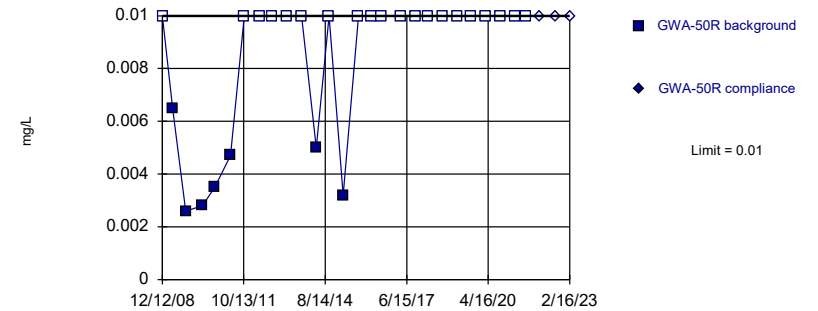


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

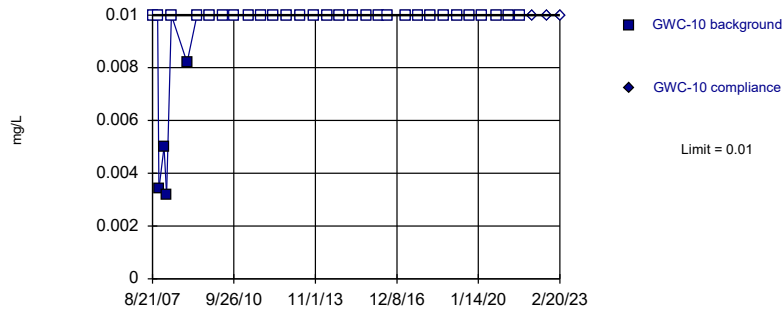


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

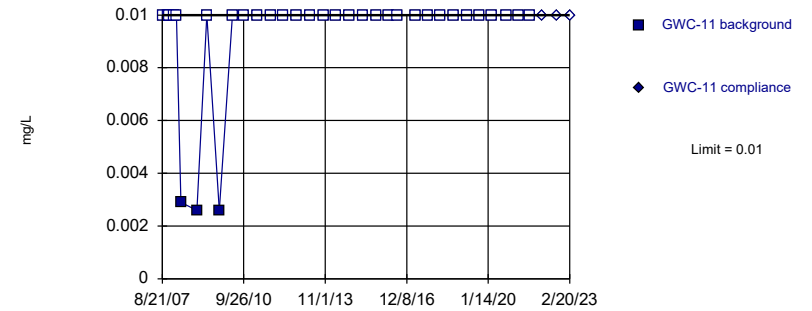


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 87.88% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

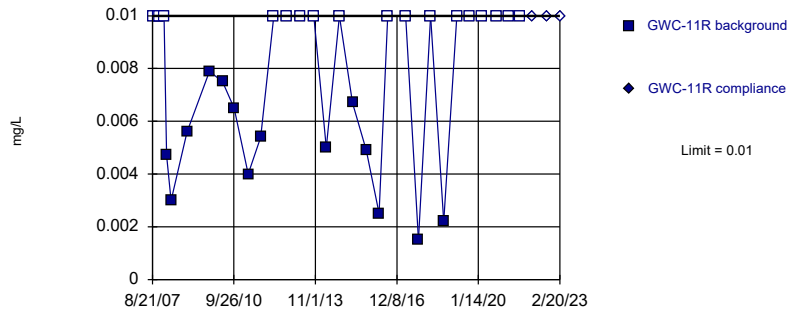


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

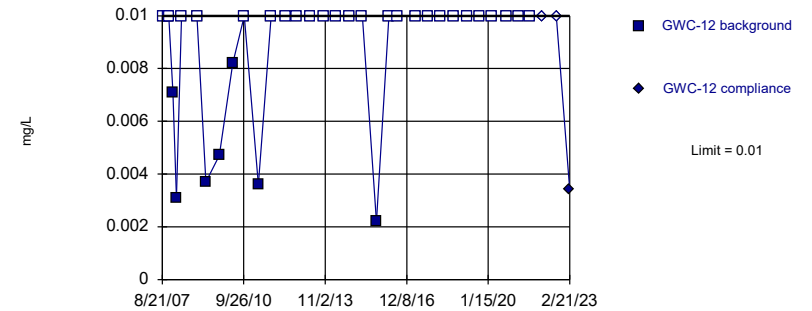


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

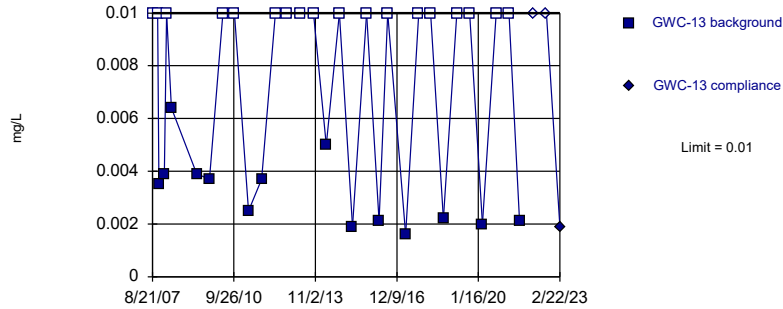


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 78.79% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

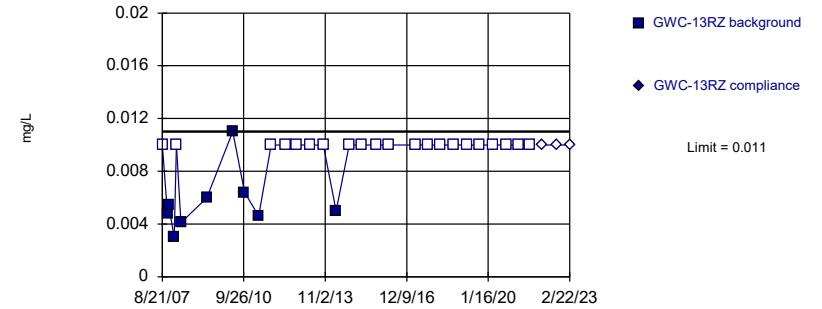


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

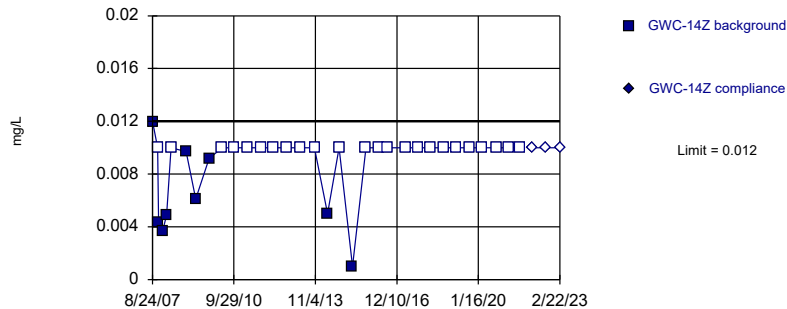


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 70% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:21 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

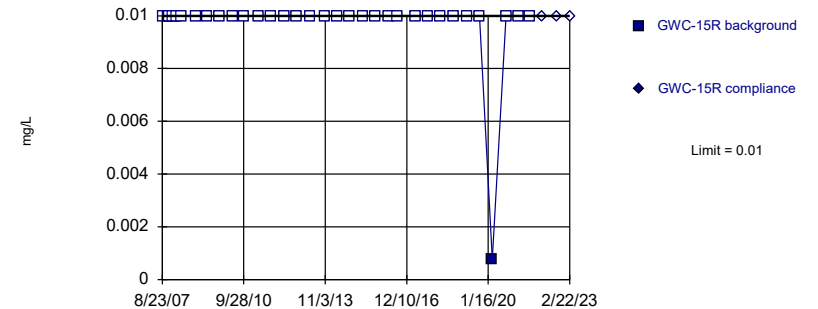


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

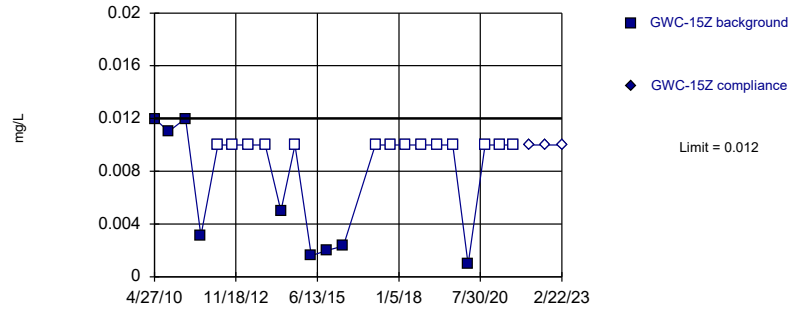


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 96.97% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

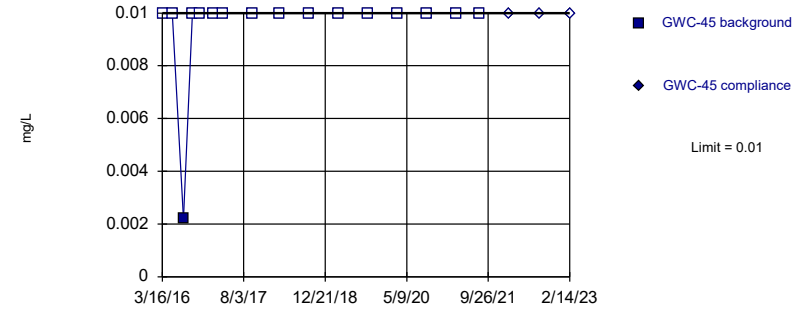


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

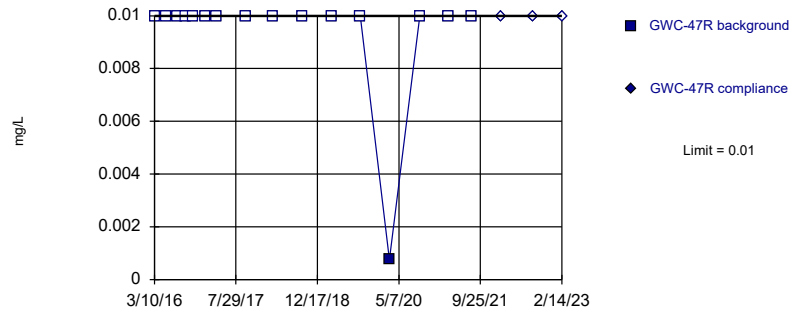


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

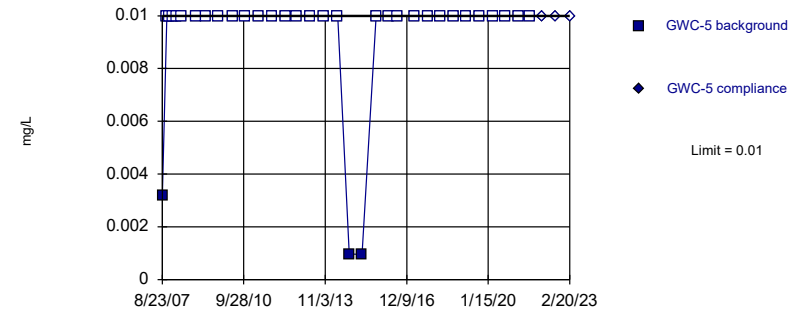


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

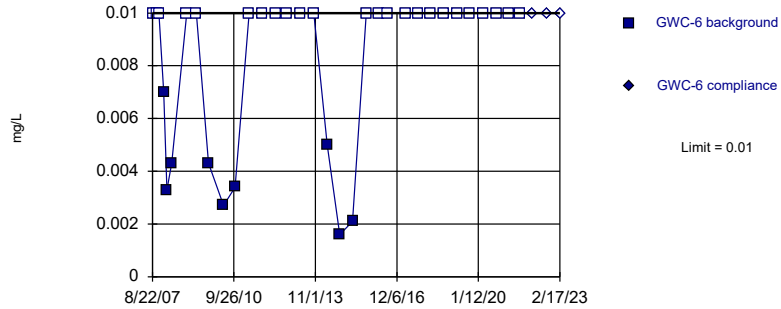


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

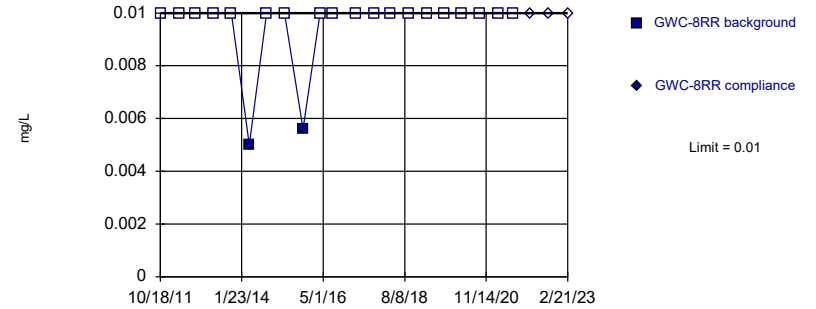


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

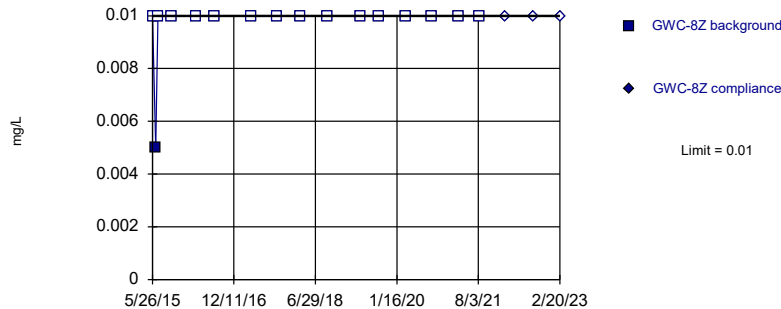


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

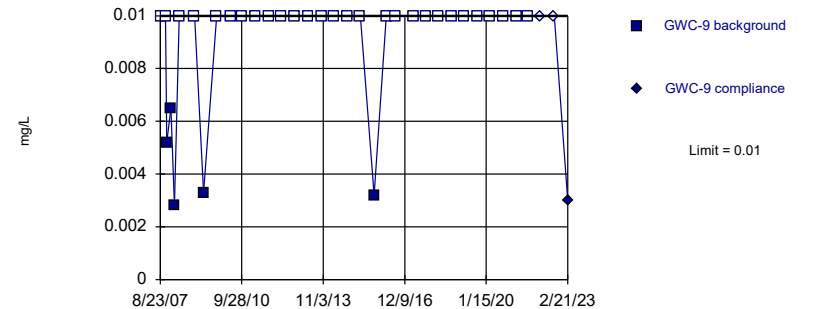


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

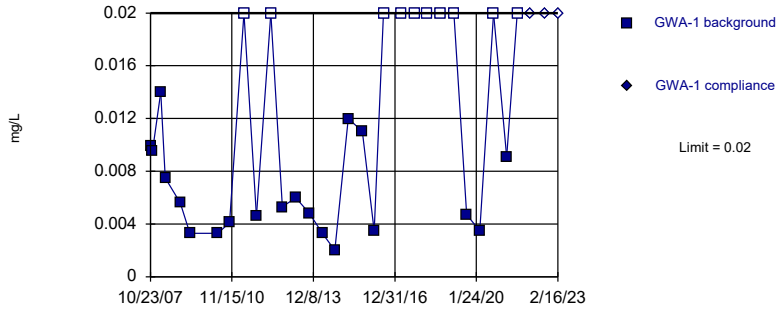


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

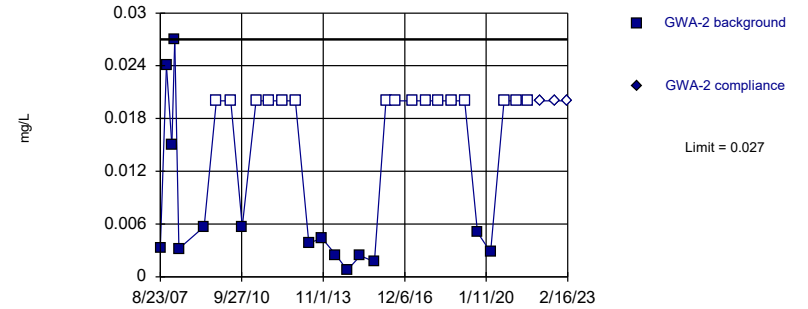


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

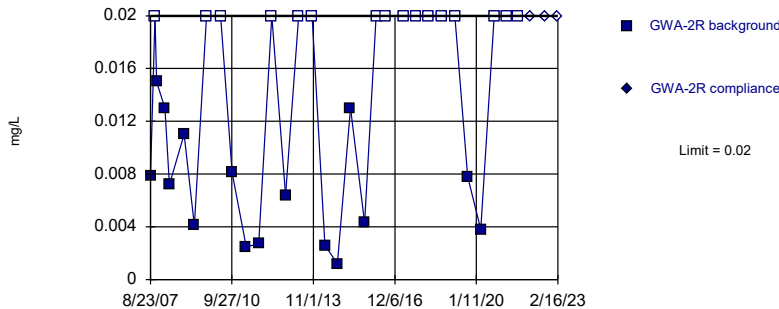


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 51.61% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

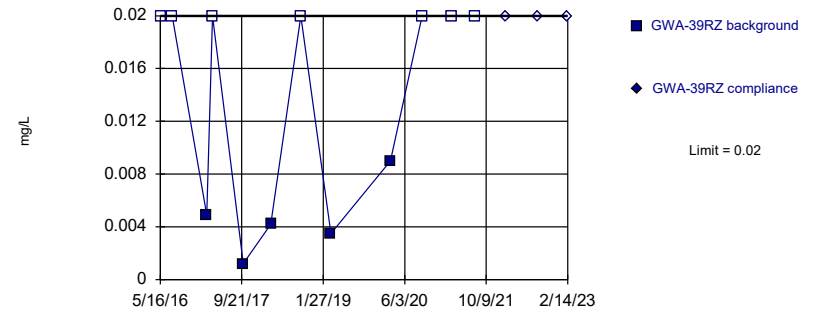


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

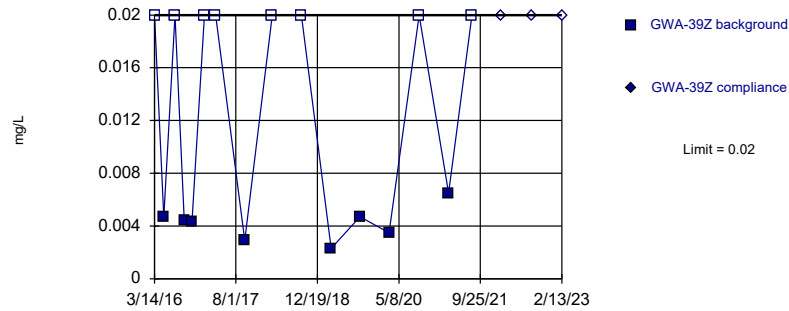


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

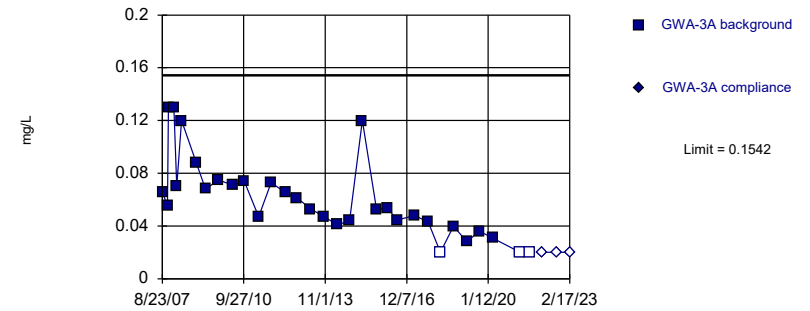


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

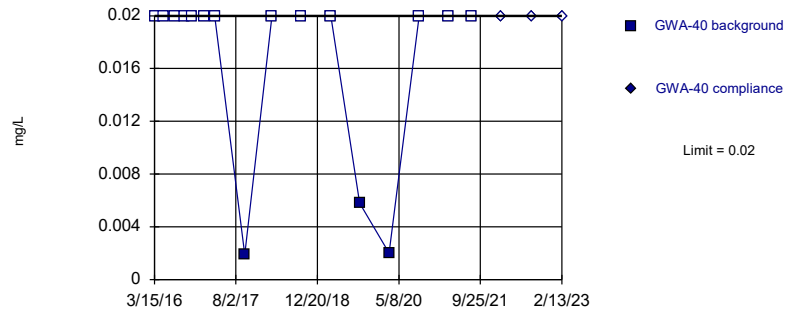


Background Data Summary (based on square root transformation): Mean=0.2389, Std. Dev.=0.05929, n=32, 9.375% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9426, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

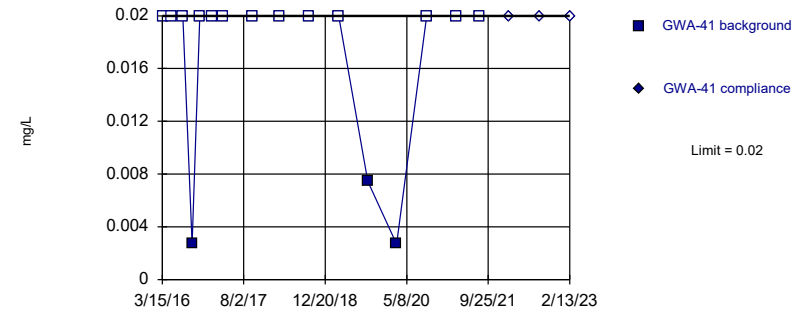


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

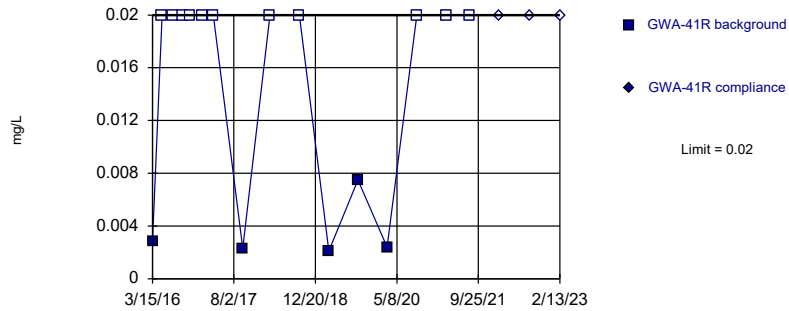


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

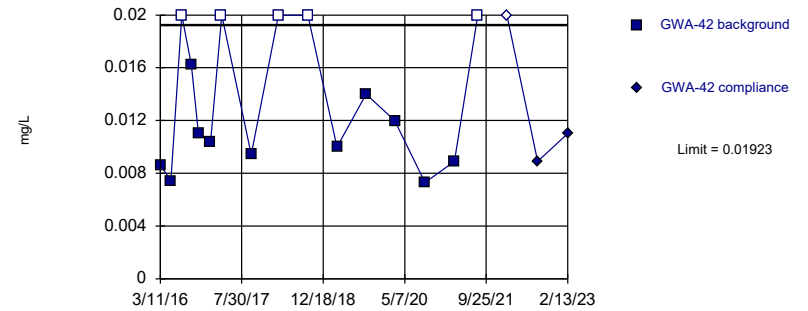


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

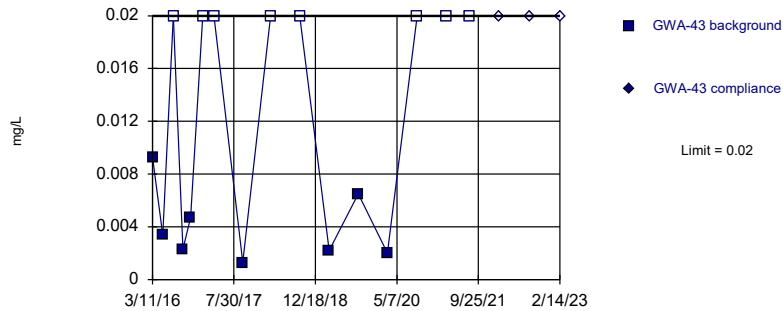


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1016, Std. Dev.=0.0123, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8574, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

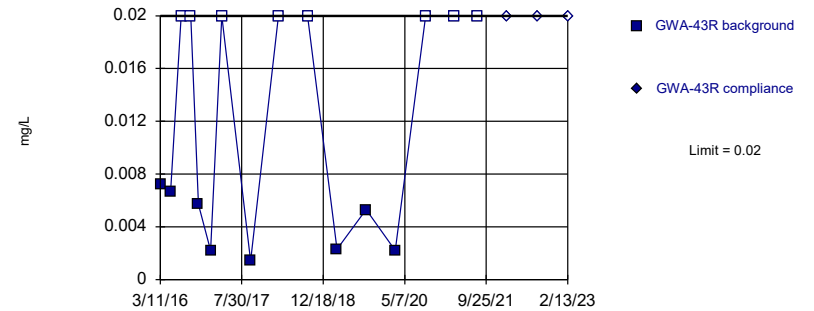


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

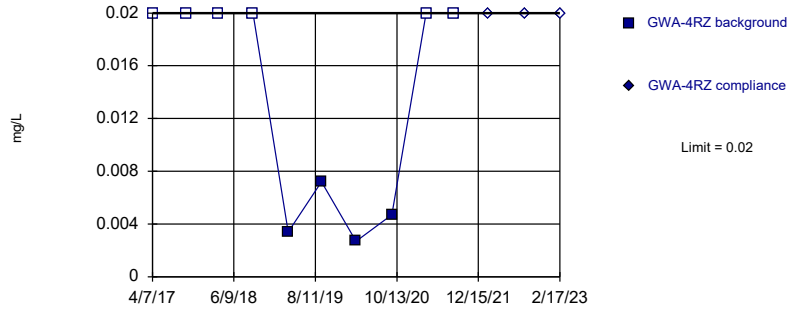


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

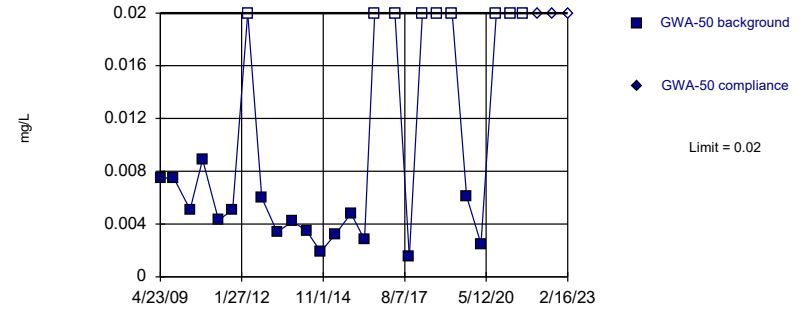


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

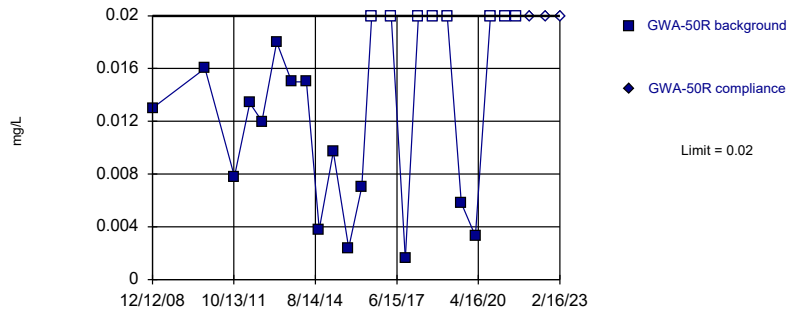


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 34.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

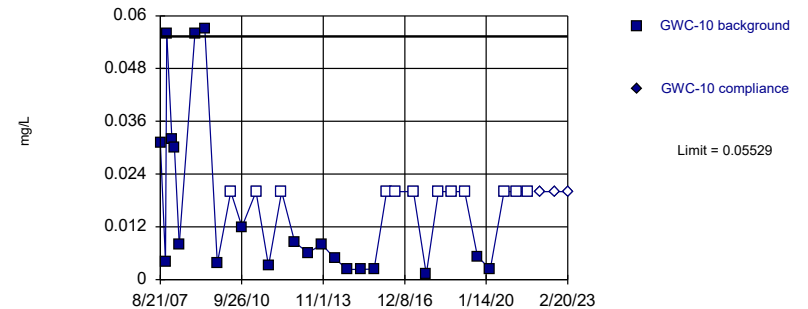


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 34.78% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

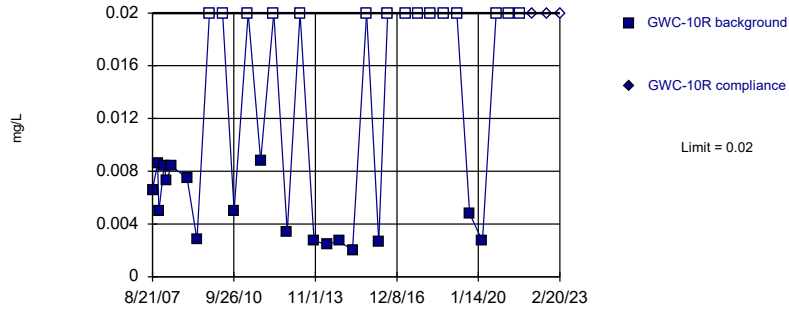


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1855, Std. Dev.=0.07566, n=33, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

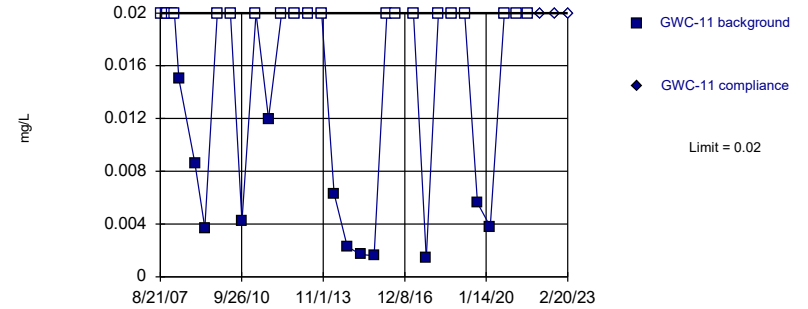


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

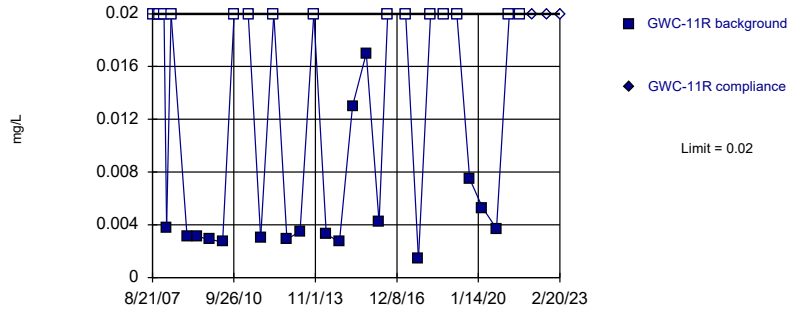


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

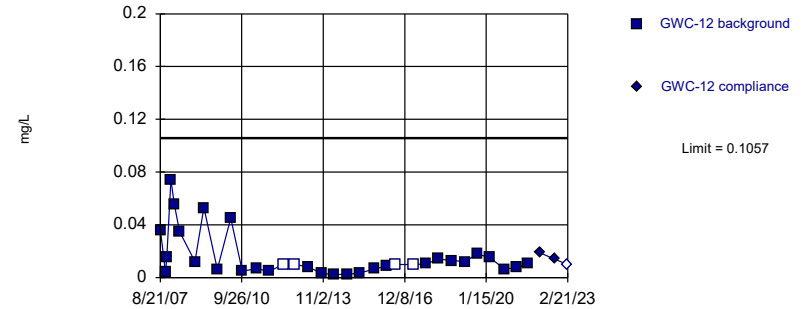


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

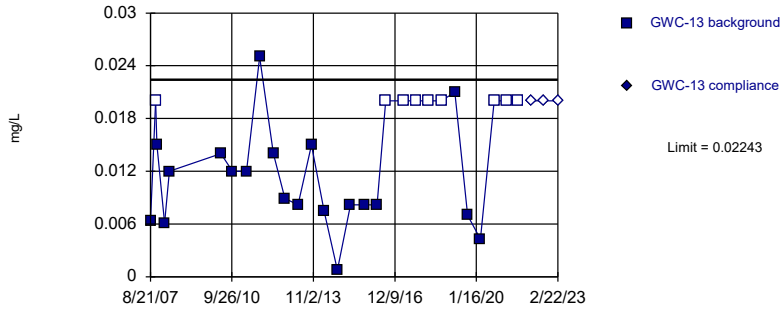


Background Data Summary (based on natural log transformation): Mean=-4.54, Std. Dev.=0.8876, n=33, 12.12% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9495, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

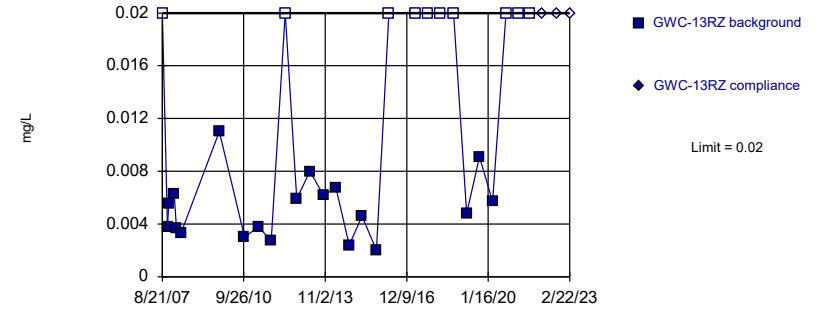


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00862, Std. Dev.=0.005244, n=29, 31.03% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

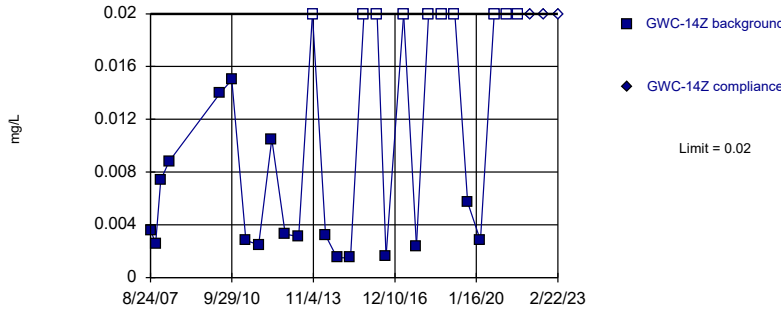


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 34.48% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

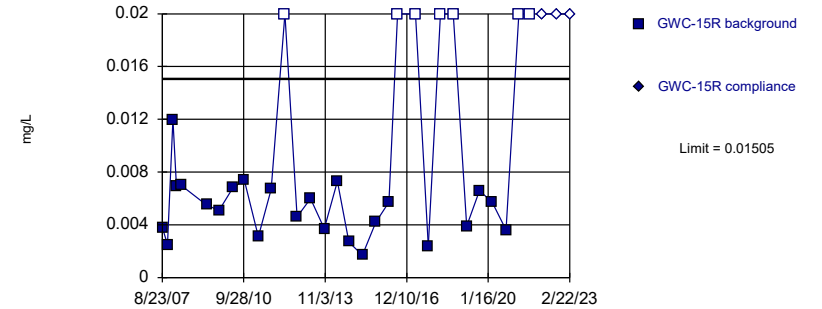


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

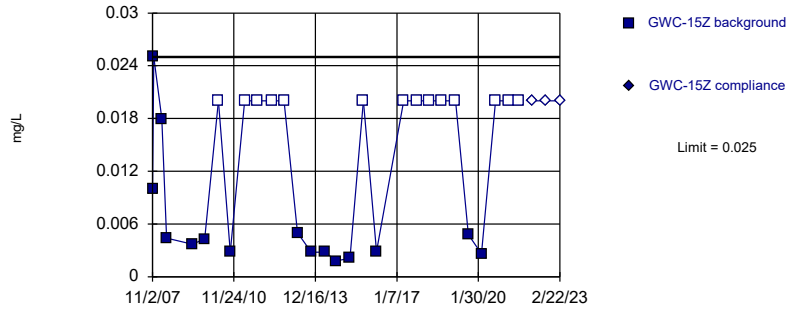


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.351, Std. Dev.=0.4432, n=31, 22.58% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9071, critical = 0.902. Kappa = 2.606 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

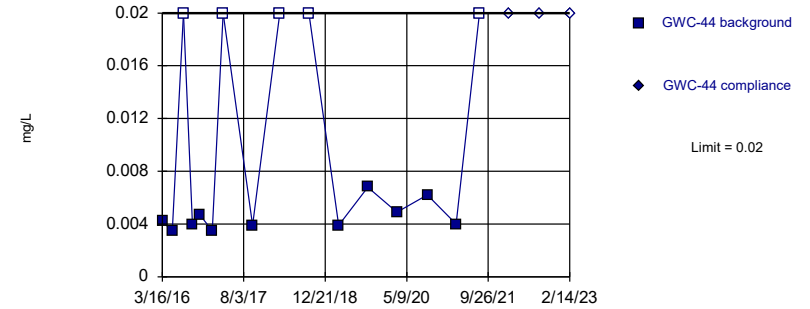


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 48.28% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

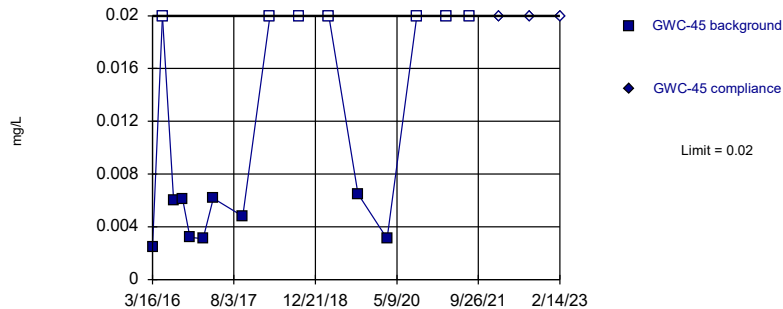


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 31.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

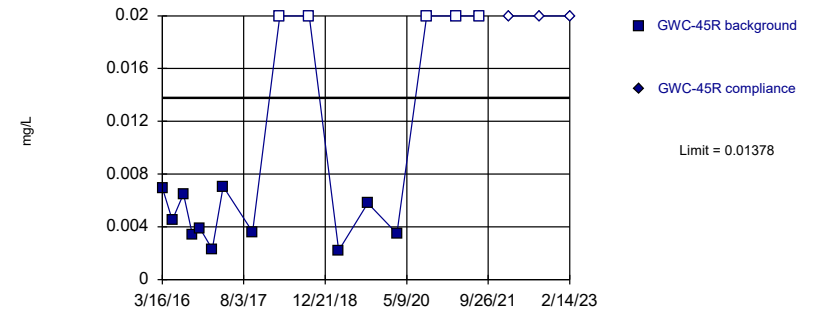


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

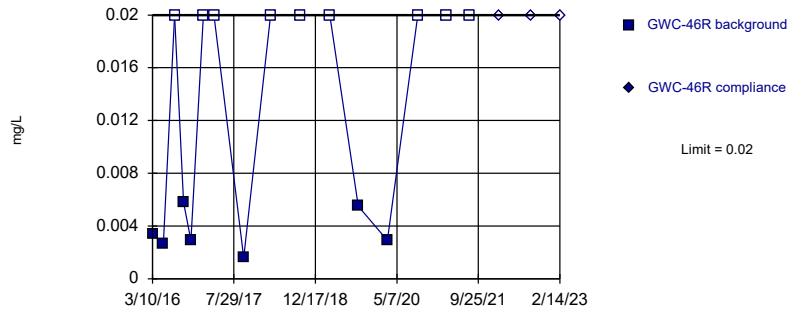


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.474, Std. Dev.=0.3946, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8605, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

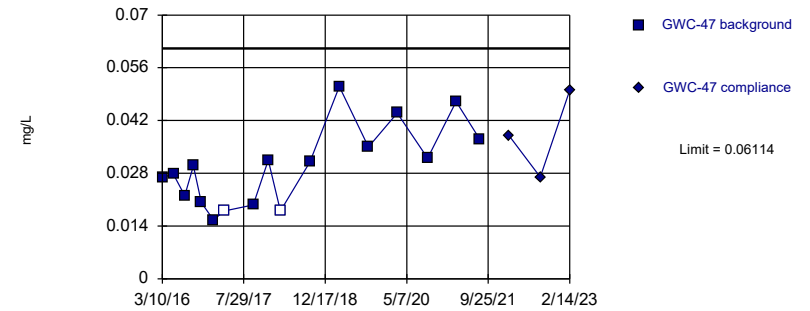


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

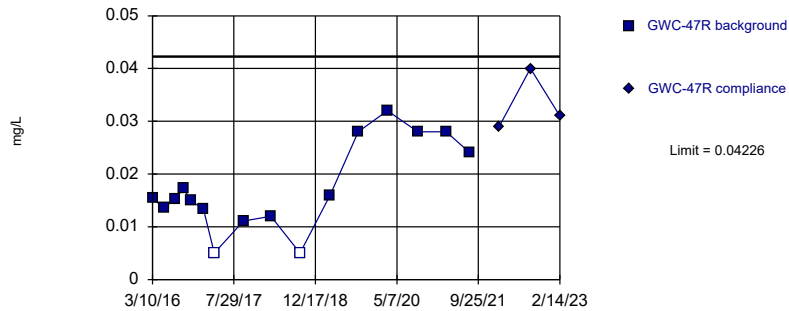


Background Data Summary: Mean=0.02981, Std. Dev.=0.01056, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9401, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

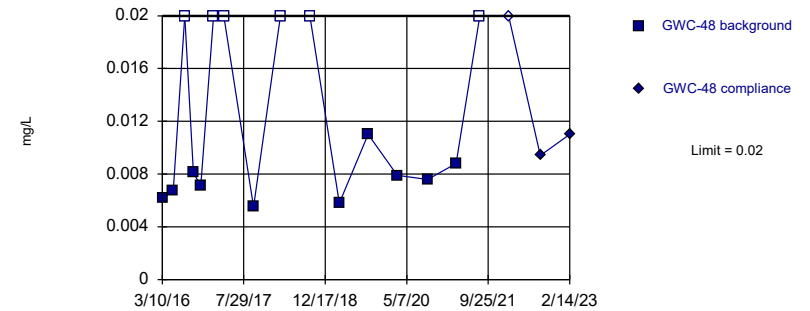


Background Data Summary: Mean=0.01744, Std. Dev.=0.008235, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9177, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

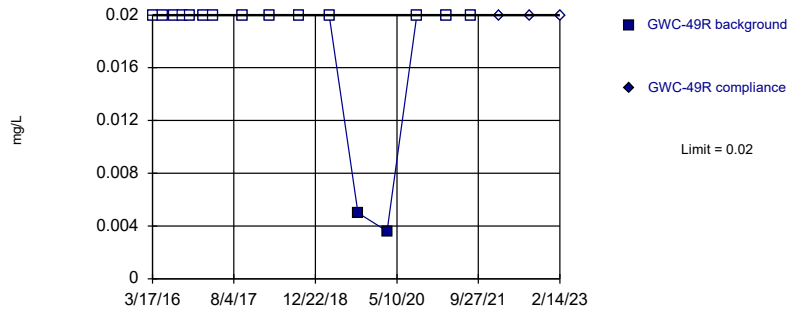


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

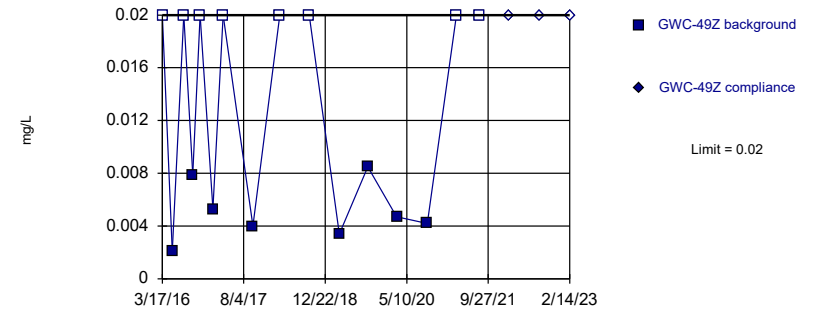


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

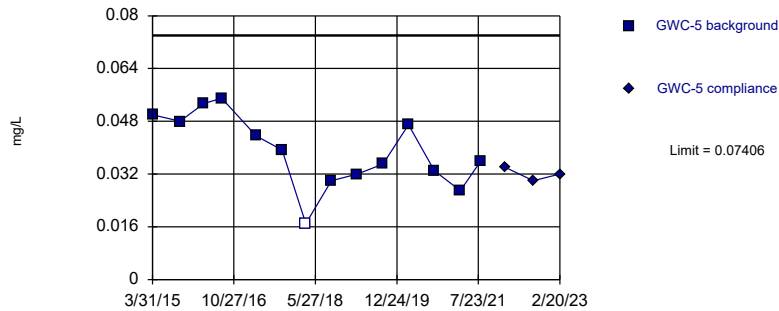


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

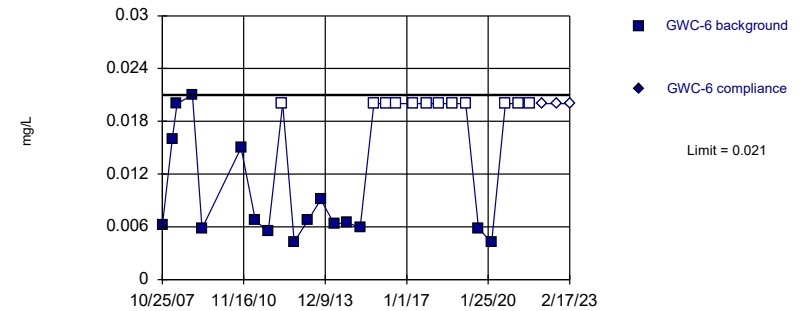


Background Data Summary: Mean=0.03902, Std. Dev.=0.01099, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.825. Kappa = 3.189 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

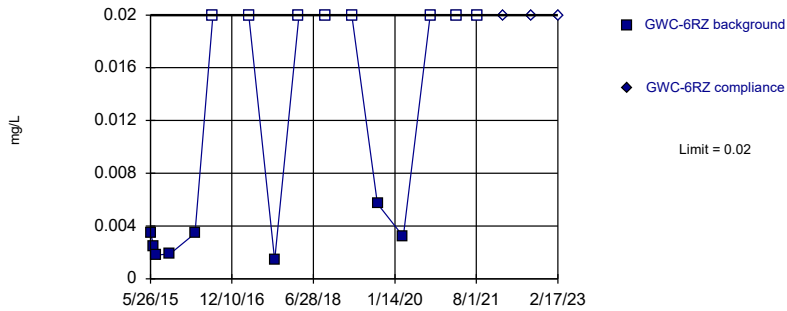


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

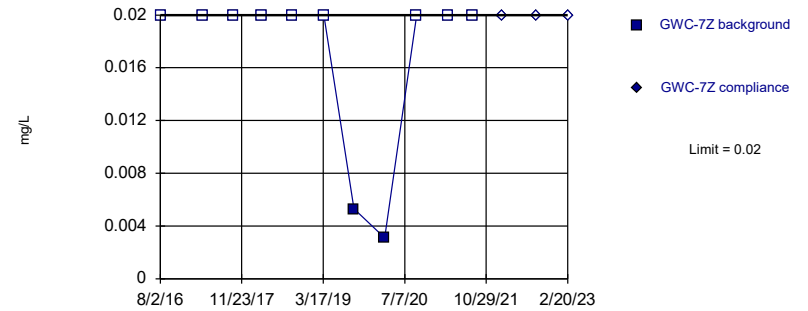


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

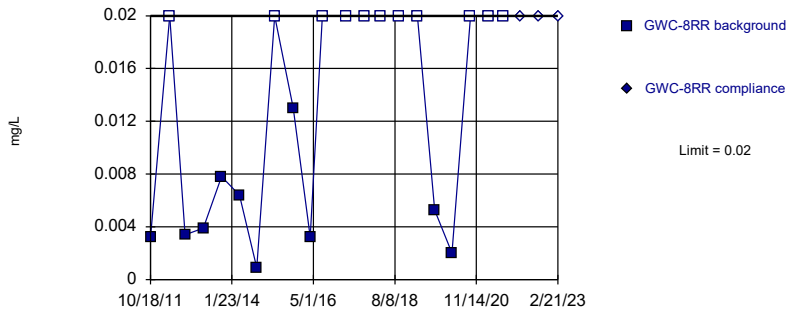


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

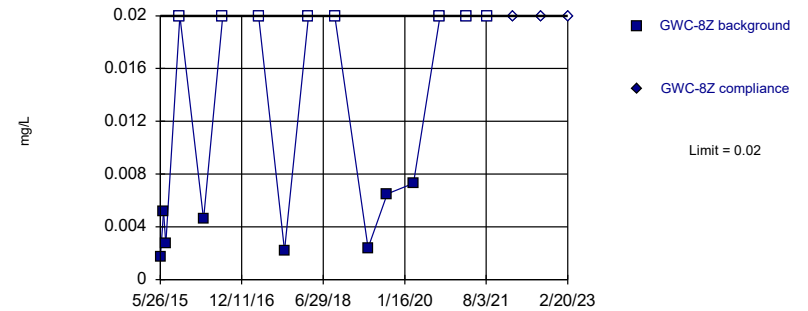


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric



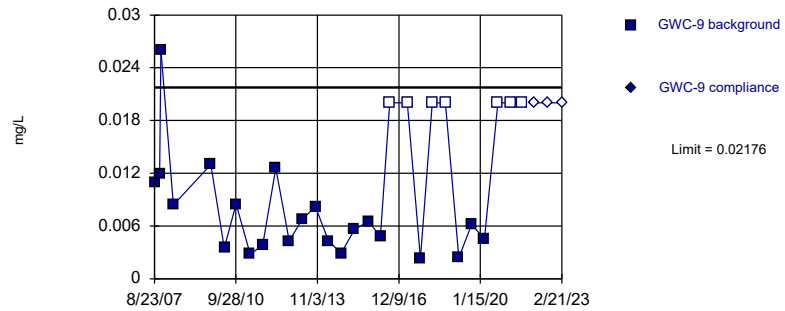
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 3/27/2023 2:22 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07971, Std. Dev.=0.02575, n=29, 24.14% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 3/27/2023 2:23 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.003	
10/23/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/7/2009	<0.003	
5/3/2010	<0.003	
10/12/2010	<0.003	
4/27/2011	<0.003	
10/17/2011	0.0054	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/12/2013	0.0058	
10/16/2013	0.01	
4/11/2014	0.005 (J)	
9/30/2014	0.0068	
3/30/2015	0.0074	
10/13/2015	0.017 (O)	
3/22/2016	0.00567	
5/19/2016	0.00319	
7/29/2016	0.0025 (J)	
9/23/2016	0.0051	
11/9/2016	0.0097 (J)	
1/30/2017	0.0032	
3/30/2017	0.0028 (J)	
6/9/2017	<0.003	
10/2/2017	0.0014 (J)	
3/16/2018	0.0014 (J)	
9/17/2018	0.00105 (JD)	
3/20/2019	<0.003	
9/12/2019	0.0037	
3/11/2020	0.00079 (J)	
9/15/2020	0.0061	
3/16/2021	0.0014 (J)	
8/9/2021	0.0027 (J)	
2/1/2022		0.0028 (J)
8/16/2022		0.0084
2/16/2023		0.016

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.003	
10/24/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/4/2008	<0.003	
4/21/2009	<0.003	
10/8/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	0.0053	
10/9/2012	<0.003	
4/11/2013	0.0075	
10/16/2013	<0.003	
4/10/2014	0.0081	
9/30/2014	0.0022 (J)	
3/30/2015	0.011	
10/13/2015	0.0045 (J)	
3/23/2016	0.00281 (J)	
5/19/2016	0.00264 (J)	
7/29/2016	0.0069	
9/22/2016	0.0066	
11/10/2016	<0.003	
1/31/2017	0.0064	
4/3/2017	0.0049	
6/9/2017	<0.003	
10/2/2017	0.0045	
3/16/2018	0.021 (O)	
9/14/2018	0.0054	
3/19/2019	0.0019 (J)	
9/13/2019	0.0044	
3/11/2020	0.002 (J)	
9/15/2020	0.0037	
3/16/2021	0.005	
8/9/2021	0.0033	
2/1/2022		0.0029 (J)
8/16/2022		0.002 (J)
2/16/2023		0.0048

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.003 (D)	
7/27/2016	0.0003 (JD)	
2/21/2017	0.0057	
3/27/2017	0.0013 (JD)	
6/8/2017	<0.003 (*)	
7/17/2017	0.005 (D)	
7/27/2017	0.0033	
8/9/2017	0.0012 (J)	
9/29/2017	0.0013 (JD)	
3/16/2018	0.0078	
9/14/2018	0.0056	
3/14/2019	0.014 (O)	
3/9/2020	0.0013 (J)	
9/16/2020	0.0028 (J)	
3/16/2021	0.00041 (J)	
8/6/2021	<0.003	
2/2/2022		<0.003
8/16/2022		0.001 (J)
2/14/2023		0.0019 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.003	
5/11/2016	0.000839 (J)	
7/19/2016	0.0024 (J)	
9/15/2016	0.0009 (J)	
11/2/2016	0.001 (J)	
1/18/2017	0.0017 (J)	
3/28/2017	0.0006 (J)	
6/7/2017	0.0003 (J)	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/15/2019	<0.003	
9/9/2019	0.00079 (J)	
3/9/2020	0.0011 (J)	
9/10/2020	0.0003 (J)	
3/12/2021	0.0039	
8/4/2021	0.00083 (J)	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		0.00087 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/8/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/21/2011	<0.003	
10/13/2011	<0.003	
5/1/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/4/2014	0.0031 (J)	
3/31/2015	0.0068	
10/12/2015	<0.003	
3/23/2016	0.0035	
5/23/2016	<0.003	
7/29/2016	0.0029 (J)	
9/22/2016	0.0041	
11/10/2016	0.0048 (J)	
1/31/2017	<0.003	
3/30/2017	0.001 (J)	
6/12/2017	<0.003	
10/4/2017	0.0009 (J)	
3/19/2018	0.0019 (J)	
9/17/2018	0.0011 (J)	
3/20/2019	0.0019 (J)	
9/13/2019	0.0013 (J)	
3/11/2020	0.0045	
3/29/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/16/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.003	
5/11/2016	<0.003	
7/21/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	0.0021 (J)	
1/17/2017	<0.003	
3/24/2017	<0.003	
5/24/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/9/2019	<0.003	
3/9/2020	<0.003	
9/11/2020	<0.003	
3/10/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		0.0014 (J)
8/12/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.003	
5/12/2016	<0.003	
7/20/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	<0.003	
1/18/2017	<0.003	
3/24/2017	<0.003	
6/6/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/14/2019	<0.003	
9/10/2019	<0.003 (D)	
3/6/2020	<0.003	
9/10/2020	<0.003	
3/11/2021	0.00038 (J)	
8/4/2021	<0.003	
1/31/2022		<0.003
8/11/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003 (*)	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	0.0008 (J)	
6/6/2017	<0.003	
9/25/2017	0.0035	
3/14/2018	<0.003	
9/12/2018	0.003	
3/14/2019	<0.003	
9/10/2019	0.0029 (J)	
3/9/2020	0.0037	
9/10/2020	0.0019 (J)	
3/10/2021	0.00037 (J)	
8/4/2021	<0.003	
1/31/2022		0.0011 (J)
8/11/2022		<0.003
2/13/2023		0.0045

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.003	
5/16/2016	<0.003	
7/22/2016	0.002 (J)	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/7/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/14/2018	<0.003	
3/14/2019	<0.003	
9/10/2019	<0.003	
3/6/2020	<0.003	
9/10/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003 (*)	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/11/2019	<0.003	
3/9/2020	0.00062 (J)	
9/11/2020	<0.003	
3/11/2021	<0.003	
8/6/2021	<0.003	
1/31/2022		<0.003
8/11/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	0.0013 (J)	
3/28/2017	<0.003	
6/6/2017	0.0007 (J)	
9/22/2017	0.0012 (J)	
3/15/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/11/2019	0.00029 (J)	
3/9/2020	0.00037 (J)	
9/14/2020	<0.003	
3/11/2021	0.00074 (J)	
8/5/2021	<0.003	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0018 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.00205 (JD)	
7/12/2017	0.0015 (JD)	
7/20/2017	<0.003 (D)	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	0.0007 (J)	
10/3/2017	<0.003 (D)	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019	<0.003 (D)	
9/12/2019	0.00052 (JD)	
3/12/2020	0.0017 (J)	
9/17/2020	0.00087 (J)	
3/16/2021	0.00082 (J)	
8/10/2021	0.0013 (J)	
2/3/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
4/27/2010	<0.003	
9/30/2010	<0.003	
4/14/2011	<0.003	
10/5/2011	<0.003	
4/11/2012	<0.003	
10/2/2012	<0.003	
4/9/2013	<0.003	
10/15/2013	<0.003	
4/10/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	0.00139 (J)	
5/23/2016	0.000677 (J)	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/10/2016	<0.003	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019	<0.003	
9/13/2019	<0.003	
3/11/2020	0.0005 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/1/2022		0.0015 (J)
8/16/2022		<0.003
2/16/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
5/3/2010	<0.003	
10/11/2010	<0.003	
4/27/2011	<0.003	
10/19/2011	<0.003	
5/1/2012	<0.003	
10/2/2012	<0.003	
4/10/2013	<0.003	
10/16/2013	<0.003	
4/22/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019	<0.003	
9/12/2019	<0.003	
3/11/2020	<0.003	
9/15/2020	0.00048 (J)	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/16/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/20/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/8/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/8/2012	<0.003	
4/3/2013	<0.003	
10/15/2013	<0.003	
4/9/2014	<0.003	
10/2/2014	<0.003	
4/2/2015	<0.003	
10/12/2015	<0.003	
3/31/2016	<0.003	
5/26/2016	0.000659 (J)	
8/3/2016	<0.003	
9/28/2016	0.0037 (O)	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/12/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/4/2022		0.0016 (J)
8/18/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	<0.003	
4/1/2015	<0.003	
10/11/2015	<0.003	
4/4/2016	<0.003	
5/26/2016	0.000722 (J)	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	0.00094 (J)	
9/17/2019	0.00041 (J)	
3/12/2020	0.0013 (J)	
9/21/2020	0.00091 (J)	
3/19/2021	0.00032 (J)	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	0.0044 (J)	
4/1/2015	0.0087	
10/11/2015	0.007	
4/4/2016	0.00252 (J)	
5/26/2016	0.00351	
8/4/2016	<0.003	
9/28/2016	0.0012 (J)	
11/22/2016	0.0042	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	<0.003	
9/17/2019	0.0013 (J)	
3/12/2020	0.001 (J)	
9/21/2020	0.0053	
3/19/2021	0.012	
5/26/2021	0.0037	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/12/2008	<0.003	
12/13/2008	<0.003	
4/28/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/18/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	<0.003	
10/8/2013	<0.003	
4/1/2014	<0.003	
10/1/2014	<0.003	
4/1/2015	<0.003	
10/15/2015	<0.003	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	<0.003	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	<0.003	
6/16/2017	<0.003	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	<0.003	
3/23/2019	<0.003	
9/18/2019	0.0012 (J)	
3/13/2020	0.0023 (J)	
9/22/2020	<0.003	
3/18/2021	0.00078 (J)	
8/11/2021	0.0019 (J)	
2/17/2022		<0.003
8/18/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/12/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/20/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	0.007 (O)	
10/8/2013	0.01 (O)	
4/1/2014	0.011 (O)	
10/1/2014	0.018 (O)	
3/31/2015	0.011 (O)	
10/14/2015	0.0083 (O)	
4/4/2016	0.00447	
6/1/2016	0.00377	
2/22/2017	0.0044	
4/11/2017	0.0019 (J)	
6/16/2017	<0.003	
7/12/2017	0.0018 (J)	
7/28/2017	0.0011 (J)	
8/10/2017	0.0012 (J)	
10/6/2017	0.0013 (J)	
3/23/2018	0.0015 (J)	
9/20/2018	0.0013 (J)	
3/22/2019	0.0014 (J)	
9/18/2019	0.00077 (X)	
3/17/2020	0.0009 (J)	
9/22/2020	0.00079 (J)	
3/19/2021	0.0011 (J)	
8/12/2021	<0.003	
2/4/2022		<0.003
8/19/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.005	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/16/2009	<0.003	
10/20/2009	<0.003	
4/20/2010	<0.003	
9/29/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	<0.003	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	0.000895 (J)	
8/9/2016	0.0017 (JD)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	0.0006 (J)	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	<0.003	
9/19/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/13/2020	0.00053 (J)	
9/21/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.003	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/19/2009	<0.003	
4/27/2010	<0.003	
10/4/2010	<0.003	
4/18/2011	<0.003	
10/12/2011	0.0052	
4/23/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	0.0024 (J)	
4/3/2015	0.0072	
10/7/2015	0.0045 (J)	
4/5/2016	0.00727	
5/31/2016	0.00649	
8/4/2016	0.0038	
9/29/2016	0.0106	
11/23/2016	0.0098	
2/10/2017	0.0014 (J)	
4/12/2017	0.0026 (J)	
6/15/2017	<0.003	
10/6/2017	0.0008 (J)	
3/23/2018	0.001 (J)	
9/19/2018	0.0011 (J)	
3/25/2019	<0.003	
9/17/2019	0.0017 (J)	
3/13/2020	0.00056 (J)	
9/21/2020	0.0021 (J)	
3/18/2021	0.00045 (J)	
8/11/2021	<0.003	
2/4/2022		<0.003
8/19/2022		0.0011 (J)
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/15/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/20/2009	<0.003	
4/27/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/10/2012	<0.003	
4/16/2013	0.0053	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/6/2015	0.0025 (J)	
4/5/2016	0.00105 (J)	
5/31/2016	0.00088 (J)	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	0.00089 (J)	
9/19/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/13/2020	<0.003	
9/21/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/7/2022		<0.003
8/19/2022		<0.003
2/22/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.003	
5/16/2016	0.00109 (J)	
7/25/2016	0.00185 (J*D)	
9/19/2016	<0.003 (D)	
11/4/2016	<0.003 (D)	
1/23/2017	<0.003 (D)	
3/29/2017	0.0018 (JD)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0111 (O)	
12/29/2017	0.0012 (Y)	
3/15/2018	0.00086 (J)	
9/13/2018	0.0029 (J)	
3/14/2019	0.0015 (JD)	
9/11/2019	0.014 (O)	
3/10/2020	0.00087 (J)	
9/11/2020	0.0076	
12/15/2020	0.0014 (J)	
3/11/2021	0.00062 (J)	
8/6/2021	0.0017 (J)	
2/1/2022		0.002 (J)
8/12/2022		0.0072
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.00426	
5/16/2016	0.00267 (JD)	
7/25/2016	0.0017 (JD)	
9/19/2016	<0.003 (D)	
11/3/2016	0.0017 (JD)	
1/20/2017	0.001 (JD)	
3/29/2017	0.001 (JD)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0012 (J)	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/14/2019	<0.003 (D)	
9/11/2019	<0.003 (D)	
3/10/2020	<0.003	
9/11/2020	0.00043 (J)	
3/11/2021	<0.003	
8/6/2021	<0.003	
2/1/2022		<0.003
8/12/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.003	
5/17/2016	<0.003	
7/26/2016	<0.003	
9/20/2016	0.001 (J)	
11/4/2016	<0.003	
1/20/2017	<0.003	
3/28/2017	<0.003	
6/7/2017	<0.003	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019	<0.003	
9/11/2019	<0.003	
3/10/2020	<0.003	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/5/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	<0.003	
11/7/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003	
9/27/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019	<0.003	
9/12/2019	<0.003	
3/9/2020	0.00032 (J)	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/5/2021	<0.003	
2/1/2022		<0.003
8/15/2022		0.0022 (J)
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.003	
5/18/2016	0.000987 (J)	
7/27/2016	0.0008 (J)	
9/20/2016	0.0012 (J)	
11/4/2016	0.001 (J)	
1/20/2017	0.0013 (J)	
3/29/2017	0.0004 (J)	
6/8/2017	<0.003 (*)	
9/27/2017	<0.003	
3/16/2018	<0.003	
9/13/2018	<0.003	
3/19/2019	<0.003	
9/11/2019	0.00099 (J)	
3/9/2020	0.00056 (J)	
9/15/2020	0.00053 (J)	
3/11/2021	0.00038 (J)	
8/5/2021	0.00082 (J)	
2/1/2022		0.0024 (J)
8/15/2022		<0.003
2/14/2023		0.0022 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	0.0018 (J)	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/28/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019	<0.003	
9/11/2019	<0.003 (D)	
3/9/2020	<0.003	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0023 (J)	
9/21/2016	0.0013 (J)	
11/4/2016	<0.003	
1/24/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019	<0.003	
9/11/2019	0.0032	
3/11/2020	0.0012 (J)	
9/11/2020	0.0011 (J)	
3/15/2021	0.0019 (J)	
8/11/2021	0.0033	
2/1/2022		<0.003
8/15/2022		0.0012 (J)
2/14/2023		0.0037

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.003	
5/18/2016	<0.003	
7/28/2016	<0.003	
9/21/2016	<0.003	
11/7/2016	<0.003 (*)	
1/24/2017	0.0024 (J)	
3/30/2017	0.0011 (J)	
6/9/2017	<0.003 (*)	
9/29/2017	0.0009 (J)	
3/15/2018	0.0012 (J)	
9/14/2018	0.00083 (J)	
3/19/2019	0.0011 (J)	
9/11/2019	0.00065 (J)	
3/9/2020	0.0018 (J)	
9/14/2020	0.0017 (J)	
3/15/2021	0.00086 (J)	
8/5/2021	0.0024 (J)	
2/1/2022		0.00097 (J)
8/15/2022		<0.003
2/14/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.003	
10/25/2007	<0.003	
11/19/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/12/2008	<0.003	
12/11/2008	<0.003	
4/15/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/12/2010	<0.003	
4/28/2011	<0.003	
10/19/2011	<0.003	
5/2/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/3/2014	<0.003	
3/31/2015	<0.003	
10/12/2015	<0.003	
3/28/2016	0.00104 (J)	
5/25/2016	0.000686 (J)	
8/1/2016	<0.003	
9/27/2016	<0.003	
11/11/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019	<0.003	
9/16/2019	<0.003	
3/16/2020	0.00031 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/16/2022		<0.003
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.003	
10/25/2007	<0.003	
11/20/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/11/2008	<0.003	
4/23/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/11/2010	<0.003	
4/26/2011	<0.003	
10/18/2011	<0.003	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/10/2013	<0.003	
10/8/2013	<0.003	
4/14/2014	<0.003	
10/3/2014	<0.003	
4/1/2015	0.0035 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.001 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	0.00052 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	0.000768 (J)	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.0006 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/17/2018	0.0023 (J)	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	0.0011 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/10/2021	0.0028 (J)	
2/2/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
7/14/2017	0.0008 (J)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019	<0.003	
9/13/2019	0.002 (J)	
3/12/2020	0.00066 (J)	
9/16/2020	0.0012 (J)	
3/17/2021	0.00099 (J)	
8/10/2021	0.0017 (J)	
2/2/2022		0.00093 (J)
8/17/2022		0.0011 (J)
2/20/2023		0.0012 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.003	
4/30/2012	<0.003	
10/3/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/10/2014	<0.003	
10/2/2014	0.0025 (J)	
4/3/2015	<0.003	
10/8/2015	<0.003	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	0.0015 (J)	
4/6/2017	0.0007 (J)	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019	<0.003	
9/16/2019	<0.003 (D)	
3/12/2020	0.00043 (J)	
9/17/2020	0.00082 (J)	
3/17/2021	<0.003	
8/10/2021	0.0015 (J)	
2/2/2022		0.0015 (J)
8/17/2022		<0.003
2/21/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/8/2015	<0.003	
3/22/2016	<0.003	
5/25/2016	<0.003	
8/2/2016	<0.003	
9/26/2016	<0.003	
11/21/2016	<0.003	
2/3/2017	<0.003	
4/7/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
5/6/2019	<0.003	
9/16/2019	<0.003	
3/16/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		0.001 (J)
2/20/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/13/2008	<0.003	
12/12/2008	<0.003	
4/16/2009	<0.003	
10/13/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/5/2011	<0.003	
4/4/2012	<0.003	
10/8/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/9/2014	<0.003	
9/30/2014	<0.003	
4/2/2015	<0.003	
10/10/2015	<0.003 (D)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	0.001 (J)	
9/18/2018	<0.003 (D)	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/21/2023		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	0.00085 (J)	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	0.0004 (J)	
3/11/2020	0.00088 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012 (O)	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		0.0019 (J)
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0056	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0008 (J)	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	0.0007 (J)	
6/9/2017	0.0006 (J)	
10/2/2017	0.0005 (J)	
3/16/2018	0.001 (J)	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00051 (J)	
3/11/2020	0.00044 (J)	
9/15/2020	0.00081 (J)	
3/16/2021	<0.005	
8/9/2021	0.0031 (J)	
2/1/2022		0.0053
8/16/2022		0.0033 (J)
2/16/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	0.0007 (JD)	
6/8/2017	0.0007 (JD)	
7/17/2017	0.0005 (JD)	
7/27/2017	<0.005	
8/9/2017	0.0008 (J)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	0.00083 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0007 (J)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	0.00043 (J)	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/12/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		0.0021 (J)
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
3/29/2021	0.001 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
5/24/2017	<0.005	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	0.00068 (J)	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0012 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0008 (J)	
6/6/2017	<0.005 (*)	
9/25/2017	0.001 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		0.0013 (J)
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0005 (J)	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0019 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.0006 (JD)	
7/12/2017	<0.005 (D)	
7/20/2017	0.0009 (JD)	
7/28/2017	<0.005	
8/9/2017	0.0011 (J)	
8/24/2017	0.0007 (J)	
10/3/2017	0.0005 (JD)	
3/21/2018	0.0012 (J)	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.0006 (JD)	
3/12/2020	0.0033 (J)	
9/17/2020	0.0011 (J)	
3/16/2021	0.00098 (J)	
8/10/2021	0.0025 (J)	
2/3/2022		0.0034 (J)
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0079	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.015 (O)	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	0.0006 (J)	
3/20/2018	0.00079 (J)	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/4/2022		0.0023 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/8/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0019 (J)
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00058 (J)	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0023 (J)
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	0.0057	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	0.006	
4/2/2014	0.005 (J)	
10/2/2014	0.0036 (J)	
4/1/2015	0.0077	
10/11/2015	0.0071	
4/4/2016	0.00315 (J)	
5/26/2016	0.00313 (J)	
8/4/2016	0.0032 (J)	
9/28/2016	0.0029 (J)	
11/22/2016	0.0048 (J)	
2/8/2017	0.0022 (J)	
4/10/2017	0.002 (J)	
6/15/2017	0.0014 (J)	
10/4/2017	0.002 (J)	
3/22/2018	0.0022 (J)	
9/18/2018	<0.005	
3/23/2019	0.0016 (J)	
9/17/2019	0.0016 (J)	
3/12/2020	0.0012 (J)	
9/21/2020	0.0012 (J)	
3/19/2021	0.0013 (J)	
8/11/2021	0.0017 (J)	
2/4/2022		0.0035 (J)
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	0.0086	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	0.012	
4/16/2009	0.008	
10/21/2009	0.0081	
10/5/2010	0.0067	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	0.0086	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	0.0094	
4/1/2014	0.0097	
10/2/2014	0.0055	
4/1/2015	0.011	
10/14/2015	0.007	
4/4/2016	0.00645	
5/27/2016	0.00692	
8/3/2016	0.0068	
9/30/2016	0.0065	
11/22/2016	0.0066	
2/13/2017	0.0092	
4/11/2017	0.0051	
6/14/2017	0.0056	
10/4/2017	0.0068	
3/22/2018	0.0055	
9/18/2018	0.0064	
3/23/2019	0.0055	
9/17/2019	0.00465 (JD)	
3/12/2020	0.0053	
9/21/2020	0.0065	
3/19/2021	0.0052	
8/11/2021	0.0042 (J)	
2/2/2022		0.0027 (J)
8/18/2022		0.0037 (J)
2/21/2023		0.0094 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0096	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0022 (J)	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	0.00124 (J)	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	0.001 (J)	
6/16/2017	0.0007 (J)	
10/9/2017	0.0006 (J)	
3/21/2018	0.0013 (J)	
9/19/2018	<0.005	
3/23/2019	0.00067 (J)	
9/18/2019	0.00052 (J)	
3/13/2020	0.00096 (J)	
9/22/2020	0.00098 (J)	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.02 (O)	
4/29/2009	0.0066	
10/21/2009	<0.005	
4/28/2010	0.016 (O)	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0021 (J)	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	0.00144 (J)	
6/1/2016	0.0011 (JD)	
2/22/2017	<0.005	
4/11/2017	0.0011 (JD)	
6/16/2017	0.0043 (JD)	
7/12/2017	0.0013 (JD)	
7/28/2017	0.0013 (J)	
8/10/2017	0.0011 (J)	
10/6/2017	0.0013 (JD)	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	0.00097 (J)	
9/18/2019	0.00045 (X)	
3/17/2020	0.00067 (J)	
9/22/2020	0.00086 (J)	
3/19/2021	0.00084 (J)	
8/12/2021	<0.005	
2/4/2022		0.0035 (J)
8/19/2022		<0.005
2/22/2023		0.0031 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	0.0079	
5/7/2008	<0.005	
12/2/2008	0.014 (O)	
4/16/2009	0.0069	
10/20/2009	0.0054	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	0.00096 (J)	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0019 (J)
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0005 (J)	
6/15/2017	<0.005	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00047 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0026 (J)
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0077	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	0.0061	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0025 (J)	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	0.00153 (J)	
5/31/2016	0.00261 (J)	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	0.0007 (J)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	0.0009 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00052 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		0.0025 (J)
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00101 (J)	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0009 (J)	
6/5/2017	0.0033 (J)	
9/26/2017	0.0008 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	0.0013 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005 (*)	
9/27/2017	0.0006 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	0.0004 (J)	
6/7/2017	<0.005 (*)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0006 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.00136 (J)	
5/18/2016	0.00127 (J)	
7/27/2016	0.0012 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.001 (J)	
9/27/2017	0.0009 (J)	
3/16/2018	<0.005	
9/13/2018	0.00091 (J)	
3/19/2019	<0.005	
9/11/2019	0.00067 (J)	
3/9/2020	0.00051 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	0.0012 (J)	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/11/2020	0.00041 (J)	
9/11/2020	<0.005	
3/15/2021	<0.005	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0006 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	0.014 (O)	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	0.0006 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	0.00089 (J)	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	0.00071 (J)	
3/12/2020	0.00055 (J)	
9/16/2020	<0.005	
3/17/2021	0.0013 (J)	
8/10/2021	0.0016 (J)	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	0.00038 (J)	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0012 (J)
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0031 (J)	
9/27/2016	0.0028 (J)	
11/21/2016	0.0031 (J)	
2/1/2017	0.0031 (J)	
4/6/2017	0.003 (J)	
6/13/2017	0.0024 (J)	
7/14/2017	0.0029 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0024 (J)	
9/18/2018	<0.005	
3/21/2019	0.00077 (J)	
9/13/2019	0.0017 (J)	
3/12/2020	0.00044 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	0.0013 (J)	
2/2/2022		0.002 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0029 (J)	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00077 (J)	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	0.0004 (JD)	
3/12/2020	0.00039 (J)	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0013 (J)
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	0.0006 (J)	
9/18/2018	<0.005	
5/6/2019	0.00063 (J)	
9/16/2019	0.00043 (J)	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.00082 (J)	
8/10/2021	<0.005	
2/2/2022		0.0011 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	0.0086	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	0.0065	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00116 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	0.00044 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0013 (J)
8/17/2022		<0.005
2/21/2023		0.0028 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.02	
10/23/2007	0.039	
11/18/2007	0.04 (J)	
1/30/2008	0.04	
3/10/2008	0.033	
5/13/2008	0.03	
12/5/2008	0.0087	
4/15/2009	0.023	
10/7/2009	0.15 (O)	
5/3/2010	0.025	
10/12/2010	0.029	
4/27/2011	0.026	
10/17/2011	0.021	
5/2/2012	0.0212	
10/8/2012	0.019	
4/12/2013	0.022	
10/16/2013	0.02	
4/11/2014	0.018	
9/30/2014	0.013	
3/30/2015	0.021	
10/13/2015	0.012	
3/22/2016	0.0182	
5/19/2016	0.0193	
7/29/2016	0.0174	
9/23/2016	0.0168	
11/9/2016	0.0171	
1/30/2017	0.019	
3/30/2017	0.0184	
6/9/2017	0.0174	
10/2/2017	0.0167	
3/16/2018	0.016	
9/17/2018	0.015 (D)	
3/20/2019	0.019	
9/12/2019	0.018	
3/11/2020	0.016	
9/15/2020	0.019	
3/16/2021	0.018	
8/9/2021	0.019	
2/1/2022		0.015
8/16/2022		0.017
2/16/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0073	
10/24/2007	0.027	
11/18/2007	0.13 (O)	
1/31/2008	0.0077	
3/11/2008	0.015	
5/6/2008	0.017	
12/4/2008	0.14 (O)	
4/21/2009	0.018	
10/7/2009	0.014	
4/26/2010	0.017	
10/4/2010	0.011	
4/13/2011	0.026	
10/5/2011	0.021	
4/11/2012	0.0311	
10/9/2012	0.018	
4/15/2013	0.056	
10/15/2013	0.018	
4/22/2014	0.035	
9/30/2014	0.0041	
3/30/2015	0.036	
10/13/2015	0.0048	
3/23/2016	0.0271	
5/20/2016	0.0206	
7/29/2016	0.0275	
9/23/2016	0.0384	
11/9/2016	0.0266	
1/31/2017	0.0094 (J)	
3/30/2017	0.0262	
6/12/2017	0.0288	
10/2/2017	0.0048 (J)	
3/19/2018	0.037	
9/14/2018	0.0059 (J)	
3/20/2019	0.0072 (J)	
9/12/2019	0.0058 (JD)	
3/11/2020	0.035	
9/15/2020	0.019	
3/17/2021	0.025	
8/9/2021	0.024	
2/1/2022		0.026
8/16/2022		0.021
2/16/2023		0.029

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0098	
10/24/2007	0.015	
11/18/2007	0.011	
1/31/2008	0.13 (O)	
3/10/2008	0.0078	
5/13/2008	0.0077	
12/4/2008	0.0089	
4/21/2009	0.013	
10/8/2009	0.008	
4/21/2010	0.01	
9/28/2010	0.0036	
4/12/2011	0.0084	
10/4/2011	0.0066	
4/3/2012	0.0625 (O)	
10/9/2012	0.01	
4/11/2013	0.021	
10/16/2013	0.033	
4/10/2014	0.021	
9/30/2014	0.0062	
3/30/2015	0.011	
10/13/2015	0.0065	
3/23/2016	0.0206	
5/19/2016	0.0109	
7/29/2016	0.007 (J)	
9/22/2016	0.0071 (J)	
11/10/2016	0.0052 (J)	
1/31/2017	0.0076 (J)	
4/3/2017	0.007 (J)	
6/9/2017	0.0074 (J)	
10/2/2017	0.0085 (J)	
3/16/2018	0.015	
9/14/2018	0.0095 (J)	
3/19/2019	0.024	
9/13/2019	0.012	
3/11/2020	0.027	
9/15/2020	0.013	
3/16/2021	0.013	
8/9/2021	0.029	
2/1/2022		0.024
8/16/2022		0.027
2/16/2023		0.028

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0113 (D)	
7/27/2016	0.0114 (D)	
2/21/2017	0.0178	
3/27/2017	0.0162 (D)	
6/8/2017	0.0156 (D)	
7/17/2017	0.016 (D)	
7/27/2017	0.0184	
8/9/2017	0.0162	
9/29/2017	0.0159 (D)	
3/16/2018	0.016	
9/14/2018	0.015	
3/14/2019	0.018	
3/9/2020	0.017	
9/16/2020	0.027	
3/16/2021	0.014	
8/6/2021	0.014	
2/2/2022		0.013
8/16/2022		0.013
2/14/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.0234	
5/11/2016	0.00793 (J)	
7/19/2016	0.0045 (J)	
9/15/2016	0.0057 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.01 (*)	
3/28/2017	0.0188	
6/7/2017	0.0273	
9/26/2017	0.0236	
3/14/2018	0.027	
9/12/2018	0.022	
3/15/2019	0.019	
9/9/2019	0.015	
3/9/2020	0.0072 (J)	
9/10/2020	0.0042 (J)	
3/12/2021	0.014	
8/4/2021	0.011	
1/31/2022		0.013
8/10/2022		0.01
2/13/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.015 (O)	
11/2/2007	0.017 (O)	
11/18/2007	0.019 (O)	
1/31/2008	0.011 (O)	
3/11/2008	0.016 (O)	
5/14/2008	0.013 (O)	
12/5/2008	0.021 (O)	
4/15/2009	0.012 (O)	
10/8/2009	0.011 (O)	
4/28/2010	0.0081	
10/6/2010	0.0083	
4/21/2011	0.0053	
10/13/2011	0.0071	
5/1/2012	0.0067	
10/9/2012	0.0055	
4/11/2013	0.0061	
10/16/2013	0.0062	
4/23/2014	0.0047	
10/4/2014	0.0055	
3/31/2015	0.0076	
10/12/2015	0.0049	
3/23/2016	0.00742 (J)	
5/23/2016	0.00532 (J)	
7/29/2016	0.0053 (J)	
9/22/2016	0.0058 (J)	
11/10/2016	0.0051 (J)	
1/31/2017	0.0054 (J)	
3/30/2017	0.0049 (J)	
6/12/2017	<0.01	
10/4/2017	0.0047 (J)	
3/19/2018	0.0047 (J)	
9/17/2018	0.0041 (J)	
3/20/2019	0.0042 (J)	
9/13/2019	0.0042 (J)	
3/11/2020	0.0041 (J)	
3/29/2021	0.0073	
8/9/2021	0.0073	
2/2/2022		0.0064
8/16/2022		0.0067
2/17/2023		0.0065

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	0.0101	
5/11/2016	0.00992 (J)	
7/21/2016	0.009 (J)	
9/15/2016	0.0109	
11/3/2016	0.0115	
1/17/2017	0.0101	
3/24/2017	0.0086 (J)	
5/24/2017	0.0087 (J)	
9/26/2017	0.0075 (J)	
3/14/2018	0.0064 (J)	
9/12/2018	0.0075 (J)	
3/13/2019	0.0076 (J)	
9/9/2019	0.0078 (J)	
3/9/2020	0.0088 (J)	
9/11/2020	0.0079 (J)	
3/10/2021	0.0083	
8/4/2021	0.008	
1/31/2022		0.0081
8/12/2022		0.0076
2/13/2023		0.0075

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	0.0291	
5/12/2016	0.0322	
7/20/2016	0.0313	
9/15/2016	0.0217	
11/3/2016	0.0272	
1/18/2017	0.0286 (J)	
3/24/2017	0.0307	
6/6/2017	0.0242	
9/25/2017	0.0252	
3/14/2018	0.021	
9/12/2018	0.025	
3/14/2019	0.028	
9/10/2019	0.0195 (D)	
3/6/2020	0.022	
9/10/2020	0.024	
3/11/2021	0.024	
8/4/2021	0.021	
1/31/2022		0.022
8/11/2022		0.022
2/13/2023		0.029

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.0462	
5/13/2016	0.0265	
7/21/2016	0.0243	
9/21/2016	0.0145	
11/3/2016	0.0082 (J)	
1/17/2017	0.007 (J)	
3/27/2017	0.016	
6/6/2017	0.0301	
9/25/2017	0.0169	
3/14/2018	0.036	
9/12/2018	0.021	
3/14/2019	0.04	
9/10/2019	0.031	
3/9/2020	0.031	
9/10/2020	0.031	
3/10/2021	0.023	
8/4/2021	0.021	
1/31/2022		0.031
8/11/2022		0.019
2/13/2023		0.028

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.00639 (J)	
5/16/2016	0.00622 (J)	
7/22/2016	0.0062 (J)	
9/19/2016	0.0064 (J)	
11/3/2016	0.0058 (J)	
1/17/2017	0.0061 (J)	
3/27/2017	0.0063 (J)	
6/7/2017	0.0064 (J)	
9/26/2017	0.006 (J)	
3/14/2018	0.0065 (J)	
9/14/2018	0.0065 (J)	
3/14/2019	0.0066 (J)	
9/10/2019	0.0068 (J)	
3/6/2020	0.0066 (J)	
9/10/2020	0.0059 (J)	
3/11/2021	0.0061	
8/4/2021	0.0061	
1/31/2022		0.0063
8/10/2022		0.0063
2/13/2023		0.0061

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0116	
5/13/2016	0.0361	
7/19/2016	0.036	
9/16/2016	0.0259	
11/2/2016	0.037	
1/18/2017	0.0248	
3/28/2017	0.0222	
6/6/2017	0.02	
9/22/2017	0.0179	
3/14/2018	0.016	
9/12/2018	0.017	
3/13/2019	0.014	
9/11/2019	0.015	
3/9/2020	0.012	
9/11/2020	0.024	
3/11/2021	0.0096	
8/6/2021	0.015	
1/31/2022		0.014
8/11/2022		0.016
2/14/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00819 (J)	
5/13/2016	0.00756 (J)	
7/19/2016	0.0079 (J)	
9/16/2016	0.0078 (J)	
11/2/2016	0.0082 (J)	
1/18/2017	0.0085 (J)	
3/28/2017	0.0084 (J)	
6/6/2017	0.0078 (J)	
9/22/2017	0.0076 (J)	
3/15/2018	0.0092 (J)	
9/12/2018	0.008 (J)	
3/13/2019	0.0077 (J)	
9/11/2019	0.0079 (J)	
3/9/2020	0.0069 (J)	
9/14/2020	0.0075 (J)	
3/11/2021	0.0069	
8/5/2021	0.0069	
1/31/2022		0.0076
8/10/2022		0.0066
2/13/2023		0.0064

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0273	
4/7/2017	0.024	
6/14/2017	0.027 (D)	
7/12/2017	0.027 (D)	
7/20/2017	0.0304 (D)	
7/28/2017	0.0269	
8/9/2017	0.0254	
8/24/2017	0.0285	
10/3/2017	0.0294 (D)	
3/21/2018	0.03	
9/18/2018	0.032	
3/21/2019	0.04 (D)	
9/12/2019	0.034 (D)	
3/12/2020	0.053	
9/17/2020	0.036	
3/16/2021	0.042	
8/10/2021	0.045	
2/3/2022		0.063
8/17/2022		0.034
2/17/2023		0.043

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.098 (O)	
4/23/2009	0.013	
10/6/2009	0.011	
4/27/2010	0.016	
9/30/2010	0.013	
4/14/2011	0.011	
10/5/2011	0.015	
4/11/2012	0.0102	
10/2/2012	0.0091	
4/9/2013	0.01	
10/15/2013	0.0098	
4/10/2014	0.011	
10/1/2014	0.0033	
3/30/2015	0.0043	
10/11/2015	0.0038	
3/28/2016	0.0133	
5/23/2016	0.0109	
8/1/2016	0.0058 (J)	
9/26/2016	0.0092 (J)	
11/10/2016	0.0083 (J)	
1/30/2017	0.0117	
4/7/2017	0.0109	
6/12/2017	<0.01	
10/2/2017	0.0122	
3/16/2018	0.0084 (J)	
9/17/2018	0.01	
3/19/2019	0.012	
9/13/2019	0.0088 (J)	
3/11/2020	0.0077 (J)	
9/16/2020	0.0081 (J)	
3/17/2021	0.0074	
8/9/2021	0.0071	
2/1/2022		0.0065
8/16/2022		0.0072
2/16/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.016	
4/23/2009	0.14 (O)	
10/6/2009	0.12 (O)	
5/3/2010	0.12 (O)	
10/11/2010	0.019	
4/27/2011	0.02	
10/19/2011	0.014	
5/1/2012	0.0199	
10/2/2012	0.015	
4/10/2013	0.016	
10/16/2013	0.017	
4/22/2014	0.017	
10/1/2014	0.013	
3/30/2015	0.014	
10/11/2015	0.0093	
3/28/2016	0.0155	
5/25/2016	0.0143	
8/1/2016	0.0129	
9/26/2016	0.0177	
11/11/2016	0.0117	
1/30/2017	0.0113	
4/3/2017	0.0166	
6/12/2017	0.017	
10/2/2017	0.0157	
3/16/2018	0.012	
9/18/2018	0.0099 (J)	
3/19/2019	0.013	
9/12/2019	0.011	
3/11/2020	0.0095 (J)	
9/15/2020	0.0089 (J)	
3/17/2021	0.012	
8/9/2021	0.0089	
2/2/2022		0.009
8/17/2022		0.0091
2/16/2023		0.0081

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.021	
11/1/2007	0.017	
11/20/2007	0.1 (O)	
1/30/2008	0.035	
3/6/2008	0.042	
5/12/2008	0.0087	
12/13/2008	0.12 (O)	
4/29/2009	0.11 (O)	
10/20/2009	0.016	
4/26/2010	0.016	
9/29/2010	0.016	
4/13/2011	0.012	
10/5/2011	0.014	
4/4/2012	0.017	
10/3/2012	0.015	
4/3/2013	0.018	
10/15/2013	0.018	
4/9/2014	0.019	
10/2/2014	0.016	
4/2/2015	0.017	
10/10/2015	0.014	
3/31/2016	0.0179	
5/26/2016	0.0186	
8/5/2016	0.0138	
9/28/2016	0.0153	
11/22/2016	0.0184 (J)	
2/7/2017	0.0215	
4/10/2017	0.0247	
6/14/2017	0.0227	
10/4/2017	0.0172	
3/20/2018	0.021	
9/18/2018	0.02	
3/22/2019	0.024	
9/17/2019	0.016	
3/12/2020	0.026	
9/17/2020	0.013	
3/18/2021	0.025	
8/10/2021	0.023	
2/4/2022		0.022
8/17/2022		0.016
2/20/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.027	
11/1/2007	0.024	
11/20/2007	0.022	
1/30/2008	0.033 (J)	
3/6/2008	0.019	
5/8/2008	0.017	
12/14/2008	0.02	
4/29/2009	0.017	
10/21/2009	0.021	
4/21/2010	0.019	
9/28/2010	0.018	
4/12/2011	0.017	
10/4/2011	0.022	
4/3/2012	0.0212	
10/8/2012	0.019	
4/3/2013	0.021	
10/15/2013	0.022	
4/9/2014	0.02	
10/2/2014	0.023	
4/2/2015	0.022	
10/12/2015	0.028	
3/31/2016	0.0273	
5/26/2016	0.0305	
8/3/2016	0.0284	
9/28/2016	0.036	
11/22/2016	0.0341 (J)	
2/7/2017	0.0309	
4/10/2017	0.0235	
6/14/2017	0.0258	
10/4/2017	0.0234	
3/21/2018	0.022	
9/18/2018	0.03	
3/22/2019	0.022	
9/17/2019	0.03	
3/12/2020	0.028	
9/17/2020	0.022	
3/18/2021	0.027	
8/11/2021	0.027	
2/4/2022		0.028
8/18/2022		0.025
2/20/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	0.034	
11/1/2007	0.036	
11/18/2007	0.036	
1/30/2008	0.031 (J)	
3/5/2008	0.018	
5/7/2008	0.015	
12/14/2008	0.12 (O)	
4/29/2009	0.0079	
10/22/2009	0.007	
4/21/2010	0.0074	
9/28/2010	0.0068	
4/12/2011	0.0089	
10/4/2011	0.012	
4/3/2012	0.0169	
10/3/2012	0.03	
4/3/2013	0.008	
10/9/2013	0.0093	
4/2/2014	0.031	
10/2/2014	0.035	
4/1/2015	0.013	
10/11/2015	0.0079	
4/4/2016	0.0119	
5/26/2016	0.0127	
8/3/2016	0.0121	
9/28/2016	0.0112	
11/22/2016	0.0155 (J)	
2/8/2017	0.0115	
4/10/2017	<0.0117	
6/15/2017	0.0112	
10/4/2017	0.0093 (J)	
3/21/2018	0.012	
9/18/2018	0.011	
3/23/2019	0.0081 (J)	
9/17/2019	0.011	
3/12/2020	0.0086 (J)	
9/21/2020	0.0093 (J)	
3/19/2021	0.011	
8/11/2021	0.0086	
2/4/2022		0.01
8/18/2022		0.0078
2/20/2023		0.0071

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.01	
11/1/2007	0.012	
11/18/2007	0.011	
1/30/2008	0.013	
3/6/2008	0.017	
5/7/2008	0.0066	
12/14/2008	0.013	
4/29/2009	0.0098	
10/22/2009	0.013	
4/21/2010	0.0069	
9/29/2010	0.0049	
4/13/2011	0.0074	
10/4/2011	0.0062	
4/4/2012	0.0091	
10/3/2012	0.0089	
4/3/2013	0.012	
10/9/2013	0.0079	
4/2/2014	0.0086	
10/2/2014	0.01	
4/1/2015	0.019	
10/11/2015	0.014	
4/4/2016	0.0176	
5/26/2016	0.0195	
8/4/2016	0.0151	
9/28/2016	0.0132	
11/22/2016	0.0186 (J)	
2/8/2017	0.015	
4/10/2017	0.0172	
6/15/2017	0.0167	
10/4/2017	0.0156	
3/22/2018	0.017	
9/18/2018	0.017	
3/23/2019	0.019	
9/17/2019	0.018	
3/12/2020	0.021	
9/21/2020	0.016	
3/19/2021	0.021	
8/11/2021	0.021	
2/4/2022		0.021
8/18/2022		0.019
2/20/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.023	
11/1/2007	0.034	
11/19/2007	0.043	
1/16/2008	0.13 (O)	
3/5/2008	0.07	
5/13/2008	0.039	
12/13/2008	0.13 (O)	
4/16/2009	0.13 (O)	
10/21/2009	0.033	
4/27/2010	0.11 (O)	
10/5/2010	0.027	
4/19/2011	0.025	
10/12/2011	0.025	
4/24/2012	0.027	
10/2/2012	0.013	
4/2/2013	0.031	
10/9/2013	0.025	
4/1/2014	0.023	
10/2/2014	0.025	
4/1/2015	0.025	
10/14/2015	0.027	
4/4/2016	0.0285	
5/27/2016	0.0257	
8/3/2016	0.0237	
9/30/2016	0.0279	
11/22/2016	0.0286 (J)	
2/13/2017	0.0313	
4/11/2017	0.0254	
6/14/2017	0.0241	
10/4/2017	0.0256	
3/22/2018	0.024	
9/18/2018	0.025	
3/23/2019	0.024	
9/17/2019	0.0245 (D)	
3/12/2020	0.023	
9/21/2020	0.023	
3/19/2021	0.024	
8/11/2021	0.025	
2/2/2022		0.023
8/18/2022		0.022
2/21/2023		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.065	
11/1/2007	0.019	
11/19/2007	0.015	
1/31/2008	0.022	
3/5/2008	0.012	
5/12/2008	0.014	
12/13/2008	0.11 (O)	
4/28/2009	0.12 (O)	
10/21/2009	0.023	
4/28/2010	0.019	
10/5/2010	0.018	
4/19/2011	0.019	
10/18/2011	0.025	
4/25/2012	0.024	
10/2/2012	0.019	
4/2/2013	0.021	
10/8/2013	0.027	
4/1/2014	0.023	
10/1/2014	0.014	
4/1/2015	0.027	
10/15/2015	0.033	
4/4/2016	0.027	
5/31/2016	0.0283	
8/4/2016	0.0358	
9/29/2016	0.0437	
11/28/2016	0.0419 (J)	
2/9/2017	0.0472	
4/12/2017	0.0383	
6/16/2017	0.0457	
10/9/2017	0.0406	
3/21/2018	0.032	
9/19/2018	0.034	
3/23/2019	0.023	
9/18/2019	0.033	
3/13/2020	0.023	
9/22/2020	0.027	
3/18/2021	0.023	
8/11/2021	0.025	
2/17/2022		0.02
8/18/2022		0.021
2/22/2023		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0089	
11/2/2007	0.0091	
11/17/2007	0.021	
1/15/2008	0.013	
3/5/2008	0.11 (O)	
5/7/2008	0.01	
12/2/2008	0.12 (O)	
4/16/2009	0.13 (O)	
10/20/2009	0.05	
4/20/2010	0.019	
9/29/2010	0.017	
4/12/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.0182	
10/10/2012	0.048	
4/15/2013	0.03	
10/22/2013	0.033	
4/21/2014	0.033	
9/30/2014	0.027	
4/3/2015	0.13 (O)	
10/7/2015	0.047	
4/5/2016	0.0279	
6/1/2016	0.0249	
8/9/2016	0.0268	
11/28/2016	<0.01	
2/9/2017	0.0119	
4/11/2017	0.0112 (D)	
6/14/2017	<0.01	
7/12/2017	0.0105	
10/5/2017	0.0099 (J)	
3/22/2018	0.011	
9/19/2018	0.013	
3/22/2019	0.014	
9/17/2019	0.015	
3/13/2020	0.017	
9/21/2020	0.013	
3/18/2021	0.014	
8/11/2021	0.016	
2/4/2022		0.014
8/18/2022		0.014
2/22/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.015	
11/2/2007	0.024	
11/17/2007	0.027	
1/15/2008	0.022	
3/6/2008	0.021	
5/7/2008	0.023	
12/2/2008	0.024	
4/28/2009	0.031	
10/19/2009	0.027	
4/27/2010	0.051 (O)	
10/4/2010	0.028	
4/18/2011	0.026	
10/12/2011	0.026	
4/23/2012	0.0224	
10/10/2012	0.024	
4/15/2013	0.029	
10/22/2013	0.022	
4/21/2014	0.025	
9/30/2014	0.022	
4/3/2015	0.022	
10/7/2015	0.023	
4/5/2016	0.0308	
5/31/2016	0.0255	
8/4/2016	0.0227	
9/29/2016	0.0258	
11/23/2016	0.0263 (J)	
2/10/2017	0.025	
4/12/2017	0.026	
6/15/2017	0.0244	
10/6/2017	0.0254	
3/23/2018	0.021	
9/19/2018	0.02	
3/25/2019	0.021	
9/17/2019	0.023	
3/13/2020	0.02	
9/21/2020	0.021	
3/18/2021	0.02	
8/11/2021	0.019	
2/4/2022		0.017
8/19/2022		0.016
2/22/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.017	
11/2/2007	0.011	
11/18/2007	0.012 (J)	
1/15/2008	0.088 (O)	
3/10/2008	0.0077	
5/13/2008	0.0055	
12/2/2008	0.0097	
4/28/2009	0.0042	
10/20/2009	0.0056	
4/27/2010	0.0039	
10/5/2010	0.0047	
4/19/2011	0.0071	
10/12/2011	0.0098	
4/25/2012	0.0088	
10/10/2012	0.0093	
4/16/2013	0.0098	
10/22/2013	0.0097	
4/21/2014	0.008	
9/30/2014	0.0074	
4/3/2015	0.0076	
10/6/2015	0.0088	
4/5/2016	0.00971 (J)	
5/31/2016	0.00589 (J)	
11/23/2016	<0.05	
2/10/2017	0.0233	
4/11/2017	0.0162	
6/15/2017	0.0148	
7/12/2017	0.0166	
7/26/2017	0.0146	
10/6/2017	0.015	
3/23/2018	0.013	
9/19/2018	0.015	
3/22/2019	0.014	
9/17/2019	0.014	
3/13/2020	0.014	
9/21/2020	0.013	
3/18/2021	0.012	
8/11/2021	0.013	
2/7/2022		0.012
8/19/2022		0.011
2/22/2023		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.0545	
5/16/2016	0.0418	
7/25/2016	0.0179	
9/19/2016	0.0152	
11/3/2016	0.0127	
1/19/2017	0.0172	
3/28/2017	0.0437	
6/5/2017	0.0747	
9/26/2017	0.0338	
3/15/2018	0.059	
9/12/2018	0.032	
3/14/2019	0.077	
9/11/2019	0.036	
3/10/2020	0.059	
9/15/2020	0.035	
3/11/2021	0.046	
8/4/2021	0.047	
1/31/2022		0.047
8/15/2022		0.04
2/14/2023		0.042

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.00599 (J)	
5/16/2016	0.006 (J)	
7/25/2016	0.0056 (J)	
9/19/2016	0.0059 (J)	
11/4/2016	0.0054 (J)	
1/23/2017	0.006 (J)	
3/29/2017	0.0058 (J)	
6/7/2017	0.0062 (J)	
9/27/2017	0.0056 (J)	
3/15/2018	0.0057 (J)	
9/13/2018	0.0057 (J)	
3/14/2019	0.0066 (J)	
9/11/2019	0.0061 (J)	
3/10/2020	0.0061 (J)	
9/11/2020	0.006 (J)	
3/11/2021	0.0059	
8/6/2021	0.0061	
2/1/2022		0.0072
8/12/2022		0.0064
2/14/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.0244	
5/16/2016	0.0222	
7/25/2016	0.02	
9/19/2016	0.019	
11/3/2016	0.0177	
1/20/2017	0.0173	
3/29/2017	0.0184	
6/7/2017	0.019	
9/27/2017	0.0197	
3/15/2018	0.021	
9/13/2018	0.022	
3/14/2019	0.024	
9/11/2019	0.021	
3/10/2020	0.024	
9/11/2020	0.021	
3/11/2021	0.022	
8/6/2021	0.023	
2/1/2022		0.026
8/12/2022		0.022
2/14/2023		0.025

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.0209	
5/17/2016	0.0202	
7/26/2016	0.0165	
9/20/2016	0.0132	
11/4/2016	0.012	
1/20/2017	0.0133	
3/28/2017	0.0161	
6/7/2017	0.0141	
9/29/2017	0.0151	
3/15/2018	0.015	
9/13/2018	0.014	
3/18/2019	0.014	
9/11/2019	0.013	
3/10/2020	0.013	
9/14/2020	0.013	
3/11/2021	0.012	
8/5/2021	0.013	
1/31/2022		0.011
8/15/2022		0.0098
2/14/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.0144	
5/18/2016	0.0136	
7/27/2016	0.013	
9/20/2016	0.0146	
11/7/2016	0.0124	
1/23/2017	0.0158	
3/29/2017	0.017	
6/8/2017	0.0149	
9/27/2017	0.012	
3/15/2018	0.011	
9/13/2018	0.011	
3/15/2019	0.01	
9/12/2019	0.0085 (J)	
3/9/2020	0.0089 (J)	
9/14/2020	0.0082 (J)	
3/11/2021	0.0083	
8/5/2021	0.0077	
2/1/2022		0.0081
8/15/2022		0.0074
2/14/2023		0.0075

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0344	
5/18/2016	0.0184	
7/27/2016	0.0146	
9/20/2016	0.0122	
11/4/2016	0.0119	
1/20/2017	0.0114	
3/29/2017	0.0116	
6/8/2017	<0.011 (*)	
9/27/2017	0.0098 (J)	
3/16/2018	0.01	
9/13/2018	0.0092 (J)	
3/19/2019	0.0088 (J)	
9/11/2019	0.0097 (J)	
3/9/2020	0.0082 (J)	
9/15/2020	0.0084 (J)	
3/11/2021	0.0073	
8/5/2021	0.0069	
2/1/2022		0.0077
8/15/2022		0.0077
2/14/2023		0.0072

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.0361	
5/17/2016	0.0277	
7/27/2016	0.0276	
9/20/2016	0.0266	
11/4/2016	0.0239	
1/23/2017	<0.01	
3/28/2017	0.024	
6/8/2017	0.0317	
9/29/2017	0.0265	
3/15/2018	0.029	
9/13/2018	0.026	
3/15/2019	0.026	
9/11/2019	0.0295 (D)	
3/9/2020	0.029	
9/14/2020	0.035	
3/11/2021	0.038	
5/26/2021	0.039	
8/4/2021	0.034	
1/31/2022		0.038
8/15/2022		0.045
2/14/2023		0.04

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	0.0112	
5/18/2016	0.0107	
7/27/2016	0.0104	
9/21/2016	0.0106	
11/4/2016	0.0098 (J)	
1/24/2017	0.0101	
3/29/2017	0.0103	
6/8/2017	<0.0106 (*)	
9/29/2017	0.0097 (J)	
3/15/2018	0.0093 (J)	
9/13/2018	0.01	
3/18/2019	0.015	
9/11/2019	0.017	
3/11/2020	0.026	
9/11/2020	0.012	
3/15/2021	0.012	
8/11/2021	0.025	
2/1/2022		0.011
8/15/2022		0.0098
2/14/2023		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.0121	
5/18/2016	0.0117	
7/28/2016	0.0081 (J)	
9/21/2016	0.0106	
11/7/2016	0.0047 (J)	
1/24/2017	0.0071 (J)	
3/30/2017	0.0043 (J)	
6/9/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	0.0032 (J)	
9/14/2018	0.004 (J)	
3/19/2019	0.0033 (J)	
9/11/2019	0.0038 (J)	
3/9/2020	0.0045 (J)	
9/14/2020	0.0027 (J)	
3/15/2021	0.0028 (J)	
8/5/2021	0.0036 (J)	
2/1/2022		0.003 (J)
8/15/2022		0.0041 (J)
2/14/2023		0.0041 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.017	
10/25/2007	0.023	
11/19/2007	0.024	
1/23/2008	0.028	
3/11/2008	0.022	
5/12/2008	0.021	
12/11/2008	0.022	
4/15/2009	0.13 (O)	
10/9/2009	0.026	
5/4/2010	0.018	
10/12/2010	0.019	
4/28/2011	0.015	
10/19/2011	0.016	
5/2/2012	0.0191	
10/9/2012	0.019	
4/11/2013	0.013	
10/16/2013	0.017	
4/23/2014	0.015	
10/3/2014	0.02	
3/31/2015	0.014	
10/12/2015	0.017	
3/28/2016	0.0173	
5/25/2016	0.0175	
8/1/2016	0.0145	
9/27/2016	0.0139	
11/11/2016	0.0135	
1/31/2017	0.0153	
4/3/2017	0.0135	
6/12/2017	0.0154	
10/3/2017	0.0138	
3/19/2018	0.013	
9/17/2018	0.014	
3/20/2019	0.018	
9/16/2019	0.022	
3/16/2020	0.024	
9/16/2020	0.013	
3/17/2021	0.014	
8/9/2021	0.012	
2/2/2022		0.012
8/16/2022		0.013
2/20/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.023	
10/25/2007	0.018	
11/20/2007	0.1 (O)	
1/23/2008	0.031	
3/11/2008	0.016	
5/14/2008	0.024	
12/11/2008	0.022	
4/23/2009	0.012	
10/9/2009	0.11 (O)	
5/4/2010	0.096 (O)	
10/11/2010	0.018	
4/26/2011	0.01	
10/18/2011	0.012	
5/2/2012	0.0119	
10/8/2012	0.01	
4/10/2013	0.013	
10/8/2013	0.014	
4/14/2014	0.01	
10/3/2014	0.014	
4/1/2015	0.013	
10/9/2015	0.008	
3/29/2016	0.00738 (J)	
5/24/2016	0.00902 (J)	
8/1/2016	0.0091 (J)	
9/26/2016	0.0124	
11/18/2016	0.0117	
2/1/2017	0.0086 (J)	
4/6/2017	0.0083 (J)	
6/13/2017	<0.01	
10/3/2017	0.0084 (J)	
3/19/2018	0.0079 (J)	
9/17/2018	0.0065 (J)	
3/21/2019	0.0074 (J)	
9/16/2019	0.0075 (J)	
3/12/2020	0.0075 (J)	
9/16/2020	0.0074 (J)	
3/17/2021	0.0075	
8/10/2021	0.0074	
2/2/2022		0.0064
8/17/2022		0.0065
2/17/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.016	
6/18/2015	0.015 (D)	
7/2/2015	0.014	
10/9/2015	0.012	
3/29/2016	0.00786 (J)	
5/24/2016	0.00847 (J)	
8/1/2016	0.0086 (J)	
9/26/2016	0.0086 (J)	
11/14/2016	0.0083 (J)	
2/1/2017	0.0096 (J)	
4/6/2017	0.0087 (J)	
6/13/2017	<0.01	
10/3/2017	0.0098 (J)	
3/20/2018	0.0088 (J)	
9/17/2018	0.0082 (J)	
3/21/2019	0.0075 (J)	
9/16/2019	0.0072 (J)	
3/12/2020	0.0072 (J)	
9/16/2020	0.0066 (J)	
3/17/2021	0.0072	
8/10/2021	0.0072	
2/2/2022		0.0066
8/17/2022		0.0068
2/17/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	0.0178	
8/2/2016	0.0394	
9/27/2016	0.032	
11/21/2016	0.0316 (J)	
2/1/2017	0.0264	
4/6/2017	0.0245	
6/13/2017	0.0247	
7/14/2017	0.0245	
10/3/2017	0.0218	
3/20/2018	0.024	
9/18/2018	0.027	
3/21/2019	0.03	
9/13/2019	0.031	
3/12/2020	0.022	
9/16/2020	0.02	
3/17/2021	0.022	
8/10/2021	0.02	
2/2/2022		0.015
8/17/2022		0.014
2/20/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	0.015	
4/30/2012	0.0192	
10/3/2012	0.017	
4/8/2013	0.018	
10/9/2013	0.021	
4/10/2014	0.019	
10/2/2014	0.014	
4/3/2015	0.014	
10/8/2015	0.024	
3/30/2016	0.0163	
5/24/2016	0.0137	
8/2/2016	0.0152	
9/27/2016	0.0147	
11/22/2016	0.0174 (J)	
2/6/2017	0.0144	
4/6/2017	0.0149	
6/14/2017	0.0139	
10/4/2017	0.015	
3/21/2018	0.015	
9/18/2018	0.014	
3/27/2019	0.014	
9/16/2019	0.015 (D)	
3/12/2020	0.014	
9/17/2020	0.014	
3/17/2021	0.014	
8/10/2021	0.014	
2/2/2022		0.013
8/17/2022		0.013
2/21/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.06	
6/18/2015	0.047 (D)	
7/2/2015	0.04	
10/8/2015	0.032	
3/22/2016	0.0263	
5/25/2016	0.0178	
8/2/2016	0.0265	
9/26/2016	0.0267	
11/21/2016	0.0309 (J)	
2/3/2017	0.0289	
4/7/2017	0.029	
6/13/2017	0.027	
10/3/2017	0.0292	
3/20/2018	0.029	
9/18/2018	0.025	
5/6/2019	0.017	
9/16/2019	0.026	
3/16/2020	0.027	
9/17/2020	0.025	
3/18/2021	0.018	
8/10/2021	0.029	
2/2/2022		0.024
8/17/2022		0.017
2/20/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.043	
11/1/2007	0.032	
11/19/2007	0.049 (J)	
1/15/2008	0.12 (O)	
3/6/2008	0.075 (O)	
5/13/2008	0.055	
12/12/2008	0.16 (O)	
4/16/2009	0.15 (O)	
10/13/2009	0.05	
4/21/2010	0.039	
9/29/2010	0.033	
4/13/2011	0.033	
10/5/2011	0.035	
4/4/2012	0.0422	
10/8/2012	0.029	
4/8/2013	0.042	
10/9/2013	0.04	
4/9/2014	0.038	
9/30/2014	0.038	
4/2/2015	0.039	
10/10/2015	0.038 (D)	
3/30/2016	0.0412	
5/26/2016	0.0357	
8/5/2016	0.03	
9/28/2016	0.0308	
11/21/2016	0.0356 (J)	
2/6/2017	0.0391	
4/6/2017	0.0402	
6/13/2017	0.0394	
10/3/2017	0.0381	
3/20/2018	0.039	
9/18/2018	0.037	
3/21/2019	0.042	
9/16/2019	0.035	
3/12/2020	0.044	
9/17/2020	0.031	
3/18/2021	0.041	
8/10/2021	0.043	
2/2/2022		0.044
8/17/2022		0.047
2/21/2023		0.042

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.0005	
10/23/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/10/2008	<0.0005	
5/13/2008	<0.0005	
12/5/2008	<0.0005	
4/15/2009	<0.0005	
10/7/2009	<0.0005	
5/3/2010	<0.0005	
10/12/2010	<0.0005	
4/27/2011	<0.0005	
10/17/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/12/2013	<0.0005	
10/16/2013	<0.0005	
4/11/2014	<0.0005	
9/30/2014	<0.0005	
3/30/2015	<0.0005	
10/13/2015	0.0003 (J)	
3/22/2016	<0.0005	
5/19/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/30/2017	<0.0005	
3/30/2017	<0.0005	
6/9/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	0.00076 (JD)	
3/20/2019	<0.0005	
9/12/2019	<0.0005	
3/11/2020	<0.0005	
9/15/2020	<0.0005	
3/16/2021	<0.0005	
8/9/2021	<0.0005	
2/1/2022		<0.0005
8/16/2022		<0.0005
2/16/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0005 (D)	
7/27/2016	0.0001 (JD)	
2/21/2017	<0.0005	
3/27/2017	<0.0005 (D)	
6/8/2017	<0.0005 (D)	
7/17/2017	<0.0005 (D)	
7/27/2017	<0.0005	
8/9/2017	<0.0005	
9/29/2017	<0.0005 (D)	
3/16/2018	<0.0005	
9/14/2018	<0.0005	
3/14/2019	<0.0005	
3/9/2020	<0.0005	
9/16/2020	<0.0005	
3/16/2021	<0.0005	
8/6/2021	<0.0005	
2/2/2022		<0.0005
8/16/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.000188 (J)	
5/11/2016	0.000177 (J)	
7/19/2016	0.0001 (J)	
9/15/2016	8E-05 (J)	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/7/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	<0.0005	
3/15/2019	<0.0005	
9/9/2019	<0.0005	
3/9/2020	<0.0005	
9/10/2020	<0.0005	
3/12/2021	<0.0005	
8/4/2021	<0.0005	
1/31/2022		<0.0005
8/10/2022		<0.0005
2/13/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.000121 (J)	
5/16/2016	0.000145 (J)	
7/22/2016	<0.0005	
9/19/2016	0.0001 (J)	
11/3/2016	8E-05 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0002 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	<0.0005	
3/14/2018	0.00011 (J)	
9/14/2018	0.00013 (J)	
3/14/2019	0.00013 (J)	
9/10/2019	0.00014 (J)	
3/6/2020	0.00014 (J)	
9/10/2020	0.00015 (J)	
3/11/2021	0.00017 (J)	
8/4/2021	0.00014 (J)	
1/31/2022		0.00018 (J)
8/10/2022		0.00034 (J)
2/13/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.0005	
5/13/2016	<0.0005	
7/19/2016	<0.0005	
9/16/2016	<0.0005	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/6/2017	8E-05 (J)	
9/22/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	<0.0005	
3/13/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/11/2020	<0.0005	
3/11/2021	<0.0005	
8/6/2021	<0.0005	
1/31/2022		<0.0005
8/11/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.0005	
4/23/2009	<0.0005	
10/6/2009	<0.0005	
4/27/2010	<0.0005	
9/30/2010	<0.0005	
4/14/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/2/2012	<0.0005	
4/9/2013	<0.0005	
10/15/2013	<0.0005	
4/10/2014	<0.0005	
10/1/2014	<0.0005	
3/30/2015	<0.0005	
10/11/2015	0.00026 (J)	
3/28/2016	<0.0005	
5/23/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/10/2016	<0.0005	
1/30/2017	<0.0005	
4/7/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005	
3/19/2019	<0.0005	
9/13/2019	<0.0005	
3/11/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	0.00012 (J)	
8/9/2021	<0.0005	
2/1/2022		<0.0005
8/16/2022		<0.0005
2/16/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/20/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/12/2008	<0.0005	
12/13/2008	<0.0005	
4/29/2009	<0.0005	
10/20/2009	<0.0005	
4/26/2010	<0.0005	
9/29/2010	<0.0005	
4/13/2011	<0.0005	
10/5/2011	<0.0005	
4/4/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/15/2013	<0.0005	
4/9/2014	<0.0005	
10/2/2014	<0.0005	
4/2/2015	<0.0005	
10/10/2015	<0.0005	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/5/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/10/2021	<0.0005	
2/4/2022		<0.0005
8/17/2022		0.00018 (J)
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/20/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/8/2008	<0.0005	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/21/2009	<0.0005	
4/21/2010	<0.0005	
9/28/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
10/8/2012	<0.0005	
4/3/2013	<0.0005	
10/15/2013	<0.0005	
4/9/2014	<0.0005	
10/2/2014	<0.0005	
4/2/2015	<0.0005	
10/12/2015	<0.0005	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	0.0002 (J)	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/22/2009	<0.0005	
4/21/2010	<0.0005	
9/29/2010	<0.0005	
4/13/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/9/2013	<0.0005	
4/2/2014	<0.0005	
10/2/2014	<0.0005	
4/1/2015	0.00033 (J)	
10/11/2015	0.00056 (J)	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/4/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/21/2020	<0.0005	
3/19/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019	0.00035 (J)	
9/17/2019	0.000575 (JD)	
3/12/2020	0.00089 (J)	
9/21/2020	0.00025 (J)	
3/19/2021	0.00027 (J)	
8/11/2021	0.00048 (J)	
2/2/2022		0.0012
4/28/2022		0.00067
8/18/2022		0.00052
2/21/2023		0.0004 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/16/2009	<0.0005	
10/20/2009	<0.0005	
4/20/2010	<0.0005	
9/29/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	<0.0005	
4/5/2016	<0.0005	
6/1/2016	<0.0005	
8/9/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	0.0001 (J)	
4/11/2017	<0.0005	
6/14/2017	<0.0005	
7/12/2017	<0.0005	
10/5/2017	<0.0005	
3/22/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/13/2020	<0.0005	
9/21/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/22/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/19/2009	<0.0005	
4/27/2010	<0.0005	
10/4/2010	<0.0005	
4/18/2011	<0.0005	
10/12/2011	<0.0005	
4/23/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	0.00028 (J)	
4/5/2016	0.000194 (J)	
5/31/2016	0.000206 (J)	
8/4/2016	<0.0005	
9/29/2016	0.0002 (J)	
11/23/2016	0.0001 (J)	
2/10/2017	<0.0005	
4/12/2017	<0.0005	
6/15/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/25/2019	<0.0005	
9/17/2019	<0.0005	
3/13/2020	<0.0005	
9/21/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/19/2022		<0.0005
2/22/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.0005	
5/16/2016	<0.0005	
7/25/2016	<0.0005	
9/19/2016	<0.0005	
11/3/2016	<0.0005	
1/19/2017	<0.0005	
3/28/2017	<0.0005	
6/5/2017	8E-05 (J)	
9/26/2017	<0.0005	
3/15/2018	<0.0005	
9/12/2018	<0.0005	
3/14/2019	<0.0005	
9/11/2019	<0.0005	
3/10/2020	<0.0005	
9/15/2020	<0.0005	
3/11/2021	<0.0005	
8/4/2021	<0.0005	
1/31/2022		<0.0005
8/15/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.000113 (J)	
5/16/2016	<0.0005 (D)	
7/25/2016	<0.0005 (D)	
9/19/2016	<0.0005 (D)	
11/3/2016	<0.0005 (D)	
1/20/2017	<0.0005 (D)	
3/29/2017	<0.0005 (D)	
6/7/2017	<0.0005	
9/27/2017	<0.0005	
3/15/2018	<0.0005	
9/13/2018	<0.0005	
3/14/2019	<0.0005 (D)	
9/11/2019	<0.0005 (D)	
3/10/2020	<0.0005	
9/11/2020	<0.0005	
3/11/2021	<0.0005	
8/6/2021	<0.0005	
2/1/2022		<0.0005
8/12/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	8E-05 (J)	
11/7/2016	<0.0005	
1/23/2017	<0.0005	
3/29/2017	<0.0005	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/15/2018	9.3E-05 (J)	
9/13/2018	<0.0005	
3/15/2019	0.00015 (J)	
9/12/2019	<0.0005	
3/9/2020	0.00015 (J)	
9/14/2020	0.00014 (J)	
3/11/2021	0.00018 (J)	
8/5/2021	<0.0005	
2/1/2022		0.00014 (J)
8/15/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/20/2017	<0.0005	
3/29/2017	<0.0005	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/16/2018	<0.0005	
9/13/2018	<0.0005	
3/19/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/15/2020	<0.0005	
3/11/2021	<0.0005	
8/5/2021	<0.0005	
2/1/2022		<0.0005
8/15/2022		0.00016 (J)
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.000148 (J)	
5/17/2016	0.000251 (J)	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0001 (J)	
1/23/2017	<0.001	
3/28/2017	0.0001 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00018 (J)	
9/13/2018	0.00012 (J)	
3/15/2019	0.00018 (J)	
9/11/2019	0.00021 (JD)	
3/9/2020	0.00016 (J)	
9/14/2020	0.00019 (J)	
3/11/2021	0.00021 (J)	
8/4/2021	0.0002 (J)	
1/31/2022		0.0002 (J)
8/15/2022		0.00022 (J)
2/14/2023		0.00015 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/28/2016	<0.0005	
9/21/2016	9E-05 (J)	
11/7/2016	0.0001 (J)	
1/24/2017	0.0002 (J)	
3/30/2017	0.0002 (J)	
6/9/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.0001 (J)	
9/14/2018	<0.0005	
3/19/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/14/2020	<0.0005	
3/15/2021	<0.0005	
8/5/2021	<0.0005	
2/1/2022		<0.0005
8/15/2022		<0.0005
2/14/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.0005	
10/25/2007	<0.0005	
11/19/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/12/2008	<0.0005	
12/11/2008	<0.0005	
4/15/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/12/2010	<0.0005	
4/28/2011	<0.0005	
10/19/2011	<0.0005	
5/2/2012	<0.0005	
10/9/2012	<0.0005	
4/11/2013	<0.0005	
10/16/2013	<0.0005	
4/23/2014	<0.0005	
10/3/2014	0.00033 (J)	
3/31/2015	<0.0005	
10/12/2015	<0.0005	
3/28/2016	0.000102 (J)	
5/25/2016	0.000148 (J)	
8/1/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/11/2016	9E-05 (J)	
1/31/2017	<0.0005	
4/3/2017	0.0001 (J)	
6/12/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019	<0.0005	
9/16/2019	<0.0005	
3/16/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	0.00013 (J)	
8/9/2021	<0.0005	
2/2/2022		<0.0005
8/16/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.0005	
10/25/2007	<0.0005	
11/20/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/14/2008	<0.0005	
12/11/2008	<0.0005	
4/23/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/11/2010	<0.0005	
4/26/2011	<0.0005	
10/18/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/10/2013	<0.0005	
10/8/2013	<0.0005	
4/14/2014	<0.0005	
10/3/2014	<0.0005	
4/1/2015	<0.0005	
10/9/2015	<0.0005	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	8E-05 (J)	
11/18/2016	8E-05 (J)	
2/1/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019	<0.0005	
9/16/2019	<0.0005	
3/12/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/17/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/21/2016	<0.0005	
2/1/2017	9E-05 (J)	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
7/14/2017	<0.0005	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/21/2019	<0.0005	
9/13/2019	<0.0005	
3/12/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.0005	
6/18/2015	<0.0005 (D)	
7/2/2015	<0.0005	
10/8/2015	<0.0005	
3/22/2016	<0.0005	
5/25/2016	<0.0005	
8/2/2016	<0.0005	
9/26/2016	<0.0005	
11/21/2016	<0.0005	
2/3/2017	0.0001 (J)	
4/7/2017	<0.0005	
6/13/2017	0.0002 (J)	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
5/6/2019	<0.0005	
9/16/2019	<0.0005	
3/16/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/20/2023		<0.0005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	0.011	
11/18/2007	0.038 (O)	
1/30/2008	0.11 (O)	
3/10/2008	0.038 (O)	
5/13/2008	0.012	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0065	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	0.0019	
10/16/2013	0.0024	
4/11/2014	0.0013 (J)	
9/30/2014	<0.005	
3/30/2015	0.0047	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	0.0011 (J)	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	0.0012 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0045	
10/24/2007	0.039 (O)	
11/18/2007	0.059 (O)	
1/31/2008	0.0067	
3/11/2008	0.03 (O)	
5/6/2008	0.0062	
12/4/2008	0.009	
4/21/2009	0.0022	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	0.0013	
10/15/2013	0.0023	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0011 (J)	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	0.0008 (J)	
10/2/2017	<0.005	
3/19/2018	0.0031 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	0.0025 (J)	
9/15/2020	0.00086 (J)	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	0.0033	
11/18/2007	0.012	
1/31/2008	0.052 (O)	
3/10/2008	0.01	
5/13/2008	0.0068	
12/4/2008	0.0017	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.0042 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0017 (JD)	
2/21/2017	0.001 (J)	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	0.0005 (J)	
8/9/2017	0.0005 (J)	
9/29/2017	0.0006 (JD)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	0.004 (J)	
3/9/2020	0.0016 (J)	
9/16/2020	0.00058 (J)	
3/16/2021	0.0008 (J)	
8/6/2021	<0.005	
2/2/2022		0.0012 (J)
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.069 (o)	
9/10/2020	<0.005	
3/12/2021	0.00064 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.005	
11/2/2007	0.027 (O)	
11/18/2007	0.17 (O)	
1/31/2008	0.012	
3/11/2008	0.063 (O)	
5/14/2008	0.057 (O)	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0013	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	0.0013 (J)	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/13/2019	0.00073 (J)	
3/11/2020	0.00095 (J)	
3/29/2021	0.00062 (J)	
8/9/2021	<0.005	
2/2/2022		0.0069
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005 (*)	
5/24/2017	0.0008 (J)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.0009 (J)	
9/11/2020	<0.005	
3/10/2021	0.00075 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005 (*)	
6/6/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005 (D)	
3/6/2020	0.015	
9/10/2020	<0.005	
3/11/2021	0.0015 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	<0.005	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/6/2017	0.0004 (J)	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	0.0004 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00045 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/6/2017	0.0004 (J)	
9/22/2017	0.0008 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00051 (J)	
3/9/2020	0.0033 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00212 (J)	
5/13/2016	<0.005	
7/19/2016	0.0006 (J)	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	0.0014 (J)	
3/28/2017	<0.005 (*)	
6/6/2017	0.0009 (J)	
9/22/2017	0.0006 (J)	
3/15/2018	0.0017 (J)	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00066 (J)	
3/9/2020	0.0014 (J)	
9/14/2020	0.0011 (J)	
3/11/2021	0.0011 (J)	
8/5/2021	<0.005	
1/31/2022		0.0011 (J)
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	0.0014	
4/14/2011	0.0014	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0013 (J)	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.0011 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	0.0031	
10/6/2009	0.0024	
5/3/2010	<0.005	
10/11/2010	0.0028	
4/27/2011	0.0041	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	0.0019	
4/10/2013	0.0027	
10/16/2013	0.0029	
4/22/2014	0.0024	
10/1/2014	<0.005	
3/30/2015	0.0022	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.0015	
11/1/2007	0.011	
11/20/2007	0.042 (o)	
1/30/2008	0.034	
3/6/2008	0.027	
5/12/2008	0.015	
12/13/2008	0.0036	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	0.0034	
4/13/2011	<0.005	
10/5/2011	0.0032	
4/4/2012	<0.005	
10/3/2012	0.0047	
4/3/2013	0.0014	
10/15/2013	0.002	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0013	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	0.0024 (J)	
2/7/2017	0.0015 (J)	
4/10/2017	<0.005	
6/14/2017	0.0006 (J)	
10/4/2017	0.0027 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.0009 (J)	
3/12/2020	0.00047 (J)	
9/17/2020	0.0011 (J)	
3/18/2021	0.00068 (J)	
8/10/2021	<0.005	
2/4/2022		<0.005
8/17/2022		0.0013 (J)
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.036 (O)	
11/1/2007	0.01	
11/20/2007	0.0039	
1/30/2008	0.019 (O)	
3/6/2008	<0.005	
5/8/2008	0.01	
12/14/2008	0.0038	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	0.0019	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	0.0019 (J)	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00067 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.002 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.025 (o)	
12/14/2008	0.0021	
4/29/2009	0.011	
10/22/2009	0.01	
4/21/2010	0.0053	
9/28/2010	0.0076	
4/12/2011	0.0095	
10/4/2011	0.0091	
4/3/2012	0.0076	
10/3/2012	0.0039	
4/3/2013	<0.005	
10/9/2013	0.0089	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0062	
10/11/2015	<0.005	
4/4/2016	0.00656 (J)	
5/26/2016	0.00752 (J)	
8/3/2016	0.0067 (J)	
9/28/2016	0.0082 (J)	
11/22/2016	0.0045 (J)	
2/8/2017	0.0101	
4/10/2017	0.0094 (J)	
6/15/2017	0.009 (J)	
10/4/2017	0.0008 (J)	
3/21/2018	0.0079 (J)	
9/18/2018	0.0081 (J)	
3/23/2019	<0.005	
9/17/2019	0.0079 (J)	
3/12/2020	0.00084 (J)	
9/21/2020	0.0081 (J)	
3/19/2021	0.0073	
8/11/2021	<0.005	
2/4/2022		0.0071
8/18/2022		<0.005
2/20/2023		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.037	
11/1/2007	0.04	
11/18/2007	0.045	
1/30/2008	0.041	
3/6/2008	0.042	
5/7/2008	0.029	
12/14/2008	0.032	
4/29/2009	0.017	
10/22/2009	0.022	
4/21/2010	0.021	
9/29/2010	0.024	
4/13/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.014	
10/3/2012	0.0033	
4/3/2013	0.017	
10/9/2013	0.015	
4/2/2014	0.014	
10/2/2014	0.0048	
4/1/2015	0.0084	
10/11/2015	0.019	
4/4/2016	0.00728 (J)	
5/26/2016	0.00553 (J)	
8/4/2016	0.0071 (J)	
9/28/2016	0.0093 (J)	
11/22/2016	0.0058 (J)	
2/8/2017	0.0072 (J)	
4/10/2017	<0.01	
6/15/2017	0.0066 (J)	
10/4/2017	0.0079 (J)	
3/22/2018	0.0062 (J)	
9/18/2018	0.0062 (J)	
3/23/2019	0.0048 (J)	
9/17/2019	0.0042 (J)	
3/12/2020	0.0042 (J)	
9/21/2020	0.0056 (J)	
3/19/2021	0.0079	
8/11/2021	0.0042 (J)	
2/4/2022		0.0042 (J)
8/18/2022		0.0046 (J)
2/20/2023		0.0037 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.0013	
11/1/2007	<0.005	
11/19/2007	0.0056	
1/16/2008	0.039 (o)	
3/5/2008	0.03	
5/13/2008	0.0057	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	0.0015	
4/27/2010	0.0036	
10/5/2010	<0.005	
4/19/2011	0.003	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0018	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
5/27/2016	<0.005	
8/3/2016	<0.005	
9/30/2016	<0.005	
11/22/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	0.0058 (JD)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0019	
11/1/2007	0.01	
11/19/2007	0.021	
1/31/2008	0.035	
3/5/2008	0.012	
5/12/2008	0.02	
12/13/2008	0.014	
4/28/2009	0.0079	
10/21/2009	0.0092	
4/28/2010	0.0086	
10/5/2010	0.0085	
4/19/2011	0.0089	
10/18/2011	0.0093	
4/25/2012	0.0075	
10/2/2012	0.017	
4/2/2013	0.0097	
10/8/2013	0.011	
4/1/2014	0.0074	
10/1/2014	0.0049	
4/1/2015	0.0072	
10/15/2015	0.0077	
4/4/2016	0.00615 (J)	
5/31/2016	0.00588 (J)	
8/4/2016	0.0056 (J)	
9/29/2016	0.0065 (J)	
11/28/2016	0.0064 (J)	
2/9/2017	0.0078 (J)	
4/12/2017	0.0077 (J)	
6/16/2017	0.0072 (J)	
10/9/2017	0.0079 (J)	
3/21/2018	0.0055 (J)	
9/19/2018	0.0059 (J)	
3/23/2019	0.0058 (J)	
9/18/2019	0.0063 (J)	
3/13/2020	0.0054 (J)	
9/22/2020	0.0062 (J)	
3/18/2021	0.0058	
8/11/2021	0.0074	
2/17/2022		0.0053
8/18/2022		0.0044 (J)
2/22/2023		0.0038 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	0.0042	
11/19/2007	0.0049	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.019 (O)	
4/29/2009	0.002	
10/21/2009	0.002	
4/28/2010	0.0049	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	0.0015	
4/2/2013	0.0017	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005 (D)	
2/22/2017	0.0012 (J)	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	0.002 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		0.0024 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.083 (O)	
11/2/2007	0.0071	
11/17/2007	0.012	
1/15/2008	0.043 (o)	
3/5/2008	0.0044	
5/7/2008	0.0084	
12/2/2008	0.0056	
4/16/2009	0.0042	
10/20/2009	0.0037	
4/20/2010	<0.005	
9/29/2010	0.0028	
4/12/2011	<0.005	
10/4/2011	0.0015	
4/4/2012	<0.005	
10/10/2012	0.0029	
4/15/2013	0.0036	
10/22/2013	0.0048	
4/21/2014	0.0043	
9/30/2014	0.0037	
4/3/2015	0.016	
10/7/2015	0.0092	
4/5/2016	0.00605 (J)	
6/1/2016	0.006 (J)	
8/9/2016	0.0086 (JD)	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	0.0006 (J)	
7/12/2017	0.0005 (J)	
10/5/2017	0.0006 (J)	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00046 (X)	
3/13/2020	0.00093 (J)	
9/21/2020	<0.005	
3/18/2021	0.0023 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.014	
11/2/2007	0.0036	
11/17/2007	0.031 (O)	
1/15/2008	0.011	
3/6/2008	0.0027	
5/7/2008	0.008	
12/2/2008	0.0059	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	0.0013	
4/18/2011	<0.005	
10/12/2011	0.0014	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	0.0021	
10/22/2013	<0.005	
4/21/2014	0.0013 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	0.0005 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	0.00044 (J)	
3/13/2020	0.0011 (J)	
9/21/2020	0.0016 (J)	
3/18/2021	0.00089 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.061 (O)	
11/2/2007	0.078 (O)	
11/18/2007	0.085 (O)	
1/15/2008	0.079 (O)	
3/10/2008	0.062 (O)	
5/13/2008	0.044 (O)	
12/2/2008	0.027	
4/28/2009	0.016	
10/20/2009	0.018	
4/27/2010	0.012	
10/5/2010	0.0067	
4/19/2011	0.0081	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	0.0029	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	0.0005 (J)	
7/12/2017	0.0008 (J)	
7/26/2017	0.0006 (J)	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00064 (X)	
3/13/2020	0.0012 (J)	
9/21/2020	0.00089 (J)	
3/18/2021	0.00078 (J)	
8/11/2021	<0.005	
2/7/2022		0.0011 (J)
8/19/2022		<0.005
2/22/2023		0.0014 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	<0.005	
6/5/2017	<0.005	
9/26/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	0.00074 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/4/2016	<0.005 (D)	
1/23/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	0.0007 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	0.0004 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	0.00092 (J)	
9/11/2020	0.00067 (J)	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		0.0058

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0017 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0018 (J)	
3/28/2017	<0.01 (*)	
6/7/2017	0.0018 (J)	
9/29/2017	0.0033 (J)	
3/15/2018	0.0021 (J)	
9/13/2018	0.0041 (J)	
3/18/2019	0.0022 (J)	
9/11/2019	0.0038 (J)	
3/10/2020	0.0035 (J)	
9/14/2020	0.006 (J)	
3/11/2021	0.0059	
5/26/2021	0.0052	
8/5/2021	0.0057	
1/31/2022		0.0051
8/15/2022		0.006
2/14/2023		0.005 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.00202 (J)	
5/18/2016	0.00248 (J)	
7/27/2016	0.0021 (J)	
9/20/2016	0.002 (J)	
11/7/2016	0.0023 (J)	
1/23/2017	0.0011 (J)	
3/29/2017	0.0012 (J)	
6/8/2017	0.0015 (J)	
9/27/2017	0.0021 (J)	
3/15/2018	0.0023 (J)	
9/13/2018	<0.01	
3/15/2019	<0.01	
9/12/2019	0.0014 (J)	
3/9/2020	0.0012 (J)	
9/14/2020	0.0022 (J)	
3/11/2021	0.0013 (J)	
8/5/2021	0.0014 (J)	
2/1/2022		0.0015 (J)
8/15/2022		0.0015 (J)
2/14/2023		0.0018 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.00668 (J)	
5/18/2016	0.00606 (JO)	
7/27/2016	0.0023 (J)	
9/20/2016	0.0021 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0016 (J)	
3/29/2017	0.001 (J)	
6/8/2017	0.0024 (J)	
9/27/2017	0.0021 (J)	
3/16/2018	0.003 (J)	
9/13/2018	0.0017 (J)	
3/19/2019	0.018	
9/11/2019	0.0015 (J)	
3/9/2020	0.0023 (J)	
9/15/2020	0.0017 (J)	
3/11/2021	0.0019 (J)	
8/5/2021	0.0022 (J)	
2/1/2022		0.0022 (J)
8/15/2022		0.0013 (J)
2/14/2023		0.0027 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00207 (J)	
5/17/2016	<0.01	
7/27/2016	0.0017 (J)	
9/20/2016	0.0024 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
6/8/2017	0.0016 (J)	
9/29/2017	0.002 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019	0.0023 (J)	
9/11/2019	0.00165 (JD)	
3/9/2020	0.0023 (J)	
9/14/2020	0.0024 (J)	
3/11/2021	0.0021 (J)	
8/4/2021	0.0018 (J)	
1/31/2022		0.002 (J)
8/15/2022		0.0019 (J)
2/14/2023		0.0019 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	0.0006 (J)	
9/21/2016	0.0011 (J)	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	0.0004 (J)	
6/8/2017	0.0005 (J)	
9/29/2017	0.0005 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	0.00063 (J)	
3/11/2020	0.0012 (J)	
9/11/2020	<0.005	
3/15/2021	0.00076 (J)	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.00778 (J)	
5/18/2016	<0.005	
7/28/2016	0.0014 (J)	
9/21/2016	0.0009 (J)	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	0.0017 (J)	
9/11/2019	0.002 (J)	
3/9/2020	0.00096 (J)	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0076	
10/25/2007	0.015	
11/19/2007	0.013	
1/23/2008	0.032	
3/11/2008	0.024	
5/12/2008	0.016	
12/11/2008	0.013	
4/15/2009	0.0073	
10/9/2009	0.0037	
5/4/2010	<0.005	
10/12/2010	0.0023	
4/28/2011	0.002	
10/19/2011	0.0015	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	0.0015	
10/16/2013	<0.005	
4/23/2014	0.0013 (J)	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0005 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00078 (J)	
9/16/2020	<0.005	
3/17/2021	0.00069 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.002	
11/20/2007	0.017	
1/23/2008	0.064 (O)	
3/11/2008	0.013	
5/14/2008	0.027	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0014	
5/4/2010	<0.01	
10/11/2010	0.0027	
4/26/2011	0.0015	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	0.0013	
10/8/2013	0.0017	
4/14/2014	0.004	
10/3/2014	0.0017	
4/1/2015	0.0027	
10/9/2015	0.0016	
3/29/2016	0.00363 (J)	
5/24/2016	0.00263 (J)	
8/1/2016	<0.01	
9/26/2016	0.0014 (J)	
11/18/2016	<0.01	
2/1/2017	0.0024 (J)	
4/6/2017	<0.01	
6/13/2017	0.0031 (J)	
10/3/2017	0.0025 (J)	
3/19/2018	0.0035 (J)	
9/17/2018	0.0024 (J)	
3/21/2019	0.0029 (J)	
9/16/2019	0.002 (J)	
3/12/2020	0.0034 (J)	
9/16/2020	0.0022 (J)	
3/17/2021	0.0027 (J)	
8/10/2021	0.0027 (J)	
2/2/2022		0.0026 (J)
8/17/2022		0.0025 (J)
2/17/2023		0.0031 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0015	
6/18/2015	0.0013 (D)	
7/2/2015	0.0014	
10/9/2015	0.0015	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	0.002 (J)	
11/14/2016	<0.01	
2/1/2017	0.0017 (J)	
4/6/2017	<0.01	
6/13/2017	0.0015 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0017 (J)	
9/17/2018	0.002 (J)	
3/21/2019	0.0025 (J)	
9/16/2019	0.002 (J)	
3/12/2020	0.0028 (J)	
9/16/2020	0.0023 (J)	
3/17/2021	0.0021 (J)	
8/10/2021	0.0021 (J)	
2/2/2022		0.0024 (J)
8/17/2022		0.0024 (J)
2/17/2023		0.0022 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/21/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
7/14/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005	
9/13/2019	<0.005	
3/12/2020	0.0014 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0019	
4/10/2014	0.0034	
10/2/2014	0.0056	
4/3/2015	0.0022	
10/8/2015	0.0033	
3/30/2016	0.00308 (J)	
5/24/2016	<0.01	
8/2/2016	<0.01	
9/27/2016	<0.01	
11/22/2016	<0.01	
2/6/2017	<0.01	
4/6/2017	<0.01	
6/14/2017	0.0009 (J)	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019	0.0021 (J)	
9/16/2019	0.000465 (JD)	
3/12/2020	0.0031 (J)	
9/17/2020	0.00086 (J)	
3/17/2021	0.00079 (J)	
8/10/2021	0.0014 (J)	
2/2/2022		0.0015 (J)
8/17/2022		0.0011 (J)
2/21/2023		0.0053

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.0024 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	0.00302 (J)	
5/25/2016	0.00441 (J)	
8/2/2016	<0.005	
9/26/2016	0.002 (J)	
11/21/2016	0.0017 (J)	
2/3/2017	0.0018 (J)	
4/7/2017	<0.005	
6/13/2017	0.0019 (J)	
10/3/2017	0.0022 (J)	
3/20/2018	0.0017 (J)	
9/18/2018	<0.005	
5/6/2019	0.0048 (J)	
9/16/2019	0.002 (J)	
3/16/2020	0.0015 (J)	
9/17/2020	0.0017 (J)	
3/18/2021	0.0015 (J)	
8/10/2021	0.0019 (J)	
2/2/2022		0.0021 (J)
8/17/2022		0.0014 (J)
2/20/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	0.0061	
11/19/2007	0.018 (J)	
1/15/2008	0.078 (O)	
3/6/2008	0.054 (O)	
5/13/2008	0.0085	
12/12/2008	0.0023	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0013	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00115 (JD)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00045 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	0.0045	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0041	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0012 (J)	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0004 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	0.00078 (J)	
9/12/2019	0.00047 (J)	
3/11/2020	0.00037 (J)	
9/15/2020	0.00048 (J)	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.013	
11/18/2007	0.0041	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.0083 (O)	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	0.001 (J)	
3/16/2021	<0.005	
8/9/2021	0.0016 (J)	
2/1/2022		0.00093 (J)
8/16/2022		0.0004 (J)
2/16/2023		0.00065 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.00313 (JD)	
7/27/2016	0.0057 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	<0.005	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	<0.005	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.00503 (J)	
5/11/2016	0.0114	
7/19/2016	0.0013 (J)	
9/15/2016	0.002 (J)	
11/2/2016	0.0005 (J)	
1/18/2017	0.0015 (J)	
3/28/2017	0.0025 (J)	
6/7/2017	0.0023 (J)	
9/26/2017	0.0011 (J)	
3/14/2018	0.00058 (J)	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.00075 (J)	
9/10/2020	<0.005	
3/12/2021	0.00079 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.0033	
11/2/2007	0.0046	
11/18/2007	0.0057	
1/31/2008	0.0055	
3/11/2008	0.0033	
5/14/2008	0.0044	
12/5/2008	0.0035	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	0.0013 (J)	
10/4/2014	0.00081 (J)	
3/31/2015	0.0021	
10/12/2015	0.00078 (J)	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	0.0007 (J)	
9/22/2016	0.0007 (J)	
11/10/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
3/30/2017	0.0007 (J)	
6/12/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/19/2018	0.00059 (J)	
9/17/2018	0.00057 (J)	
3/20/2019	<0.005	
9/13/2019	0.00046 (J)	
3/11/2020	0.00041 (J)	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0006 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0005 (J)	
6/6/2017	<0.005	
9/25/2017	0.0006 (J)	
3/14/2018	<0.005	
9/12/2018	0.0011 (J)	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	0.0004 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00039 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		0.00039 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	0.00039 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	0.0018 (J)	
6/14/2017	0.0045 (JD)	
7/12/2017	0.0046 (JD)	
7/20/2017	0.0109 (D)	
7/28/2017	0.0104	
8/9/2017	0.0022 (J)	
8/24/2017	0.0076 (J)	
10/3/2017	0.0028 (JD)	
3/21/2018	0.014	
9/18/2018	0.017	
3/21/2019	0.022 (D)	
9/12/2019	0.02 (D)	
3/12/2020	0.013	
9/17/2020	0.019	
3/16/2021	0.015	
8/10/2021	0.011	
2/3/2022		0.0059
8/17/2022		0.015
2/17/2023		0.017

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	0.0029	
10/6/2009	<0.005	
5/3/2010	<0.005	
10/11/2010	<0.005	
4/27/2011	0.0028	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	<0.005	
4/10/2013	0.0014	
10/16/2013	0.0014	
4/22/2014	0.0013	
10/1/2014	<0.005	
3/30/2015	0.00079 (J)	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0046	
1/30/2008	0.0079	
3/6/2008	0.0037	
5/12/2008	<0.005	
12/13/2008	0.013	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	0.0018	
4/3/2013	0.0014	
10/15/2013	0.0018	
4/9/2014	0.0013 (J)	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	0.0006 (J)	
2/7/2017	0.0017 (J)	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	0.0021 (J)	
9/18/2018	<0.005	
3/22/2019	0.0011 (J)	
9/17/2019	<0.005	
3/12/2020	0.0017 (J)	
9/17/2020	<0.005	
3/18/2021	0.001 (J)	
8/10/2021	0.00075 (J)	
2/4/2022		0.0018 (J)
8/17/2022		0.00051 (J)
2/20/2023		0.0026 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	0.0031	
11/1/2007	0.0034	
11/18/2007	0.0045	
1/30/2008	0.0027	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	0.0037	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.0036	
10/2/2014	0.016	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	0.11 (O)	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0026	
10/11/2015	0.00065 (J)	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/4/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.0013	
11/1/2007	0.0041	
11/19/2007	0.0055	
1/16/2008	0.008	
3/5/2008	0.98 (O)	
5/13/2008	0.01	
12/13/2008	0.0073	
4/16/2009	0.0033	
10/21/2009	0.0039	
4/27/2010	0.0044	
10/5/2010	0.005	
4/19/2011	0.0039	
10/12/2011	0.0032	
4/24/2012	<0.0013	
10/2/2012	<0.0013	
4/2/2013	0.0038	
10/9/2013	0.003	
4/1/2014	0.0027	
10/2/2014	0.0027	
4/1/2015	0.0028	
10/14/2015	0.003	
4/4/2016	0.00351 (J)	
5/27/2016	0.00332 (J)	
8/3/2016	0.003 (J)	
9/30/2016	0.0035 (J)	
11/22/2016	0.0027 (J)	
2/13/2017	0.003 (J)	
4/11/2017	0.0031 (J)	
6/14/2017	0.0031 (J)	
10/4/2017	0.0032 (J)	
3/22/2018	0.0033 (J)	
9/18/2018	0.0031 (J)	
3/23/2019	0.0032 (J)	
9/17/2019	0.00305 (D)	
3/12/2020	0.0031 (J)	
9/21/2020	0.0029 (J)	
3/19/2021	0.0029 (J)	
8/11/2021	0.0026 (J)	
2/2/2022		0.0034 (J)
8/18/2022		0.0028 (J)
2/21/2023		0.0029 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.01	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	0.0037	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.011	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.00051 (J)	
4/4/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	<0.005	
6/16/2017	<0.005	
10/9/2017	<0.005	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.0005 (J)	
3/13/2020	<0.005	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.0079	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	<0.005	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	0.0039	
1/15/2008	<0.005	
3/5/2008	0.005	
5/7/2008	<0.005	
12/2/2008	0.011	
4/16/2009	0.005	
10/20/2009	0.0074	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	0.0003 (J)	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	0.00058 (J)	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0006 (J)	
6/15/2017	0.0004 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0029	
3/10/2008	0.069 (O)	
5/13/2008	<0.005	
12/2/2008	0.0027	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.002 (J)	
5/16/2016	<0.01	
7/25/2016	0.0015 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/19/2017	0.0013 (J)	
3/28/2017	0.0019 (J)	
6/5/2017	0.0022 (J)	
9/26/2017	0.0018 (J)	
3/15/2018	0.0018 (J)	
9/12/2018	0.0016 (J)	
3/14/2019	0.0022 (J)	
9/11/2019	0.0018 (J)	
3/10/2020	0.0021 (J)	
9/15/2020	0.0015 (J)	
3/11/2021	0.0016 (J)	
8/4/2021	0.0016 (J)	
1/31/2022		0.0017 (J)
8/15/2022		0.0014 (J)
2/14/2023		0.0014 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01 (D)	
7/25/2016	0.0017 (JD)	
9/19/2016	0.0017 (JD)	
11/4/2016	0.0013 (JD)	
1/23/2017	0.0013 (JD)	
3/29/2017	0.0013 (JD)	
6/7/2017	0.0011 (J)	
9/27/2017	0.0013 (J)	
3/15/2018	0.0012 (J)	
9/13/2018	0.001 (J)	
3/14/2019	0.0015 (JD)	
9/11/2019	0.0014 (JD)	
3/10/2020	0.0012 (J)	
9/11/2020	0.0012 (J)	
3/11/2021	0.0011 (J)	
8/6/2021	0.0011 (J)	
2/1/2022		0.0013 (J)
8/12/2022		0.0011 (J)
2/14/2023		0.0012 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0006 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00235 (J)	
5/17/2016	0.0025 (J)	
7/27/2016	0.0014 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0014 (J)	
1/23/2017	<0.01	
3/28/2017	0.0015 (J)	
6/8/2017	0.0016 (J)	
9/29/2017	0.0015 (J)	
3/15/2018	0.0013 (J)	
9/13/2018	0.0013 (J)	
3/15/2019	0.0012 (J)	
9/11/2019	0.00135 (JD)	
3/9/2020	0.0016 (J)	
9/14/2020	0.0017 (J)	
3/11/2021	0.0025 (J)	
8/4/2021	0.0017 (J)	
1/31/2022		0.0021 (J)
8/15/2022		0.0027 (J)
2/14/2023		0.0025 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	<0.01	
7/28/2016	0.0026 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0044 (J)	
1/24/2017	0.0049 (J)	
3/30/2017	0.0041 (J)	
6/9/2017	0.0054 (J)	
9/29/2017	0.0038 (J)	
3/15/2018	0.0026 (J)	
9/14/2018	0.0017 (J)	
3/19/2019	0.00069 (J)	
9/11/2019	0.00075 (J)	
3/9/2020	0.0028 (J)	
9/14/2020	0.0014 (J)	
3/15/2021	0.00056 (J)	
8/5/2021	0.0025 (J)	
2/1/2022		0.00066 (J)
8/15/2022		0.0015 (J)
2/14/2023		0.00096 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	0.0073	
3/11/2008	0.0025	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	0.0024	
4/11/2013	0.002	
10/16/2013	0.0023	
4/23/2014	0.003	
10/3/2014	0.0034	
3/31/2015	0.00079 (J)	
10/12/2015	0.00063 (J)	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	0.0005 (J)	
9/27/2016	<0.005	
11/11/2016	0.0006 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0005 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0003 (J)	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00031 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	0.0038	
11/20/2007	<0.005	
1/23/2008	0.0047	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.0013 (J)	
10/3/2014	0.00071 (J)	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0018 (J)	
9/27/2016	0.0011 (J)	
11/21/2016	0.0008 (J)	
2/1/2017	0.0008 (J)	
4/6/2017	0.0008 (J)	
6/13/2017	0.0007 (J)	
7/14/2017	0.0005 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00076 (J)	
9/18/2018	0.00055 (J)	
3/21/2019	0.00059 (J)	
9/13/2019	0.00099 (J)	
3/12/2020	0.00031 (J)	
9/16/2020	0.00072 (J)	
3/17/2021	0.00045 (J)	
8/10/2021	0.00087 (J)	
2/2/2022		0.00042 (J)
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	0.0013 (J)	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0014	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.0018	
6/18/2015	0.0018 (D)	
7/2/2015	0.0013	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0034	
1/15/2008	0.0067	
3/6/2008	0.13 (O)	
5/13/2008	<0.005	
12/12/2008	0.0042	
4/16/2009	0.0047	
10/13/2009	0.0037	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0013	
4/9/2014	0.0013 (J)	
9/30/2014	<0.005	
4/2/2015	0.00064 (J)	
10/10/2015	0.0015 (D)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00044 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.00043 (J)
8/17/2022		0.00043 (J)
2/21/2023		0.00043 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.0066	
10/23/2007	0.0076	
11/18/2007	0.0055 (J)	
1/30/2008	0.0094	
3/10/2008	0.0056	
5/13/2008	0.0027	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0076	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	0.0033 (J)	
10/13/2015	0.0013 (J)	
3/22/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.0088	
11/18/2007	0.0075	
1/31/2008	<0.005	
3/11/2008	0.0068	
5/6/2008	<0.005	
12/4/2008	0.013	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	0.0027	
4/13/2011	0.0029	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	0.0032 (J)	
3/30/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	0.0025 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	0.01273 (JD)	
3/11/2020	0.0002 (J)	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0036	
10/24/2007	<0.005	
11/18/2007	0.013	
1/31/2008	0.0069	
3/10/2008	0.0044	
5/13/2008	0.0033	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	0.0006 (J)	
4/3/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00055 (J)	
3/11/2020	0.0011 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	0.0013 (J)	
2/1/2022		0.00096 (J)
8/16/2022		<0.005
2/16/2023		0.0011 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005	
7/27/2016	0.0271 (o)	
2/21/2017	<0.005	
3/27/2017	<0.005	
9/29/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	0.002 (J)	
3/14/2019	<0.005	
3/9/2020	0.011 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	0.0005 (J)	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.0007 (J)	
9/10/2020	<0.005	
3/12/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.017	
11/2/2007	0.016	
11/18/2007	0.048	
1/31/2008	0.039	
3/11/2008	0.037	
5/14/2008	0.051	
12/5/2008	0.038	
4/15/2009	0.033	
10/8/2009	0.037	
4/28/2010	0.037	
10/6/2010	0.041	
4/21/2011	0.034	
10/13/2011	0.048	
5/1/2012	0.0427	
10/9/2012	0.038	
4/11/2013	0.038	
10/16/2013	0.036	
4/23/2014	0.03	
10/4/2014	0.029	
3/31/2015	0.026	
10/12/2015	0.05	
3/23/2016	0.0297	
7/29/2016	0.0419	
3/30/2017	0.0392	
10/4/2017	0.0343	
3/19/2018	0.033	
9/17/2018	0.033	
3/20/2019	0.026	
9/13/2019	0.026	
3/11/2020	0.027	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	0.0022 (J)	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	0.0007 (J)	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005	
9/25/2017	0.0003 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	0.00038 (JD)	
3/6/2020	0.00093 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0005 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
9/25/2017	0.0007 (J)	
3/14/2018	0.0021 (J)	
9/12/2018	<0.005	
3/14/2019	0.0022 (J)	
9/10/2019	0.0022 (J)	
3/9/2020	0.0014 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	0.0008 (J)	
1/31/2022		0.0028 (J)
8/11/2022		<0.005
2/13/2023		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	<0.005	
9/19/2016	0.003 (J)	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00019 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/22/2017	0.0004 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00036 (J)	
3/9/2020	0.00035 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		0.0014 (J)
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/22/2017	0.0006 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	0.0015 (J)	
9/11/2019	0.00026 (J)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	0.0004 (J)	
10/3/2017	<0.005 (D)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.00045 (JD)	
3/12/2020	0.0002 (J)	
9/17/2020	<0.005	
3/16/2021	<0.005	
8/10/2021	<0.005	
2/3/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.018	
4/23/2009	0.013	
10/6/2009	0.012	
4/27/2010	0.0095	
9/30/2010	0.0087	
4/14/2011	0.0061	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/2/2012	<0.025	
4/9/2013	0.0053	
10/15/2013	0.0076	
4/10/2014	0.005	
10/1/2014	0.0047 (J)	
3/30/2015	0.0048 (J)	
10/11/2015	0.0055	
3/28/2016	<0.025	
8/1/2016	0.0025 (J)	
4/7/2017	0.003 (J)	
10/2/2017	0.0031 (J)	
3/16/2018	0.0037 (J)	
9/17/2018	0.0028 (J)	
3/19/2019	0.0023 (J)	
9/13/2019	0.0023 (J)	
3/11/2020	0.0026 (J)	
9/16/2020	0.0018 (J)	
3/17/2021	0.0019 (J)	
8/9/2021	0.0017 (J)	
2/1/2022		0.0017 (J)
8/16/2022		0.0014 (J)
2/16/2023		0.0015 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.064 (O)	
4/23/2009	0.034	
10/6/2009	0.026	
5/3/2010	0.014	
10/11/2010	0.014	
4/27/2011	0.028	
10/19/2011	<0.013	
5/1/2012	0.0198	
10/2/2012	0.011	
4/10/2013	0.018	
10/16/2013	0.016	
4/22/2014	0.014	
10/1/2014	0.0041 (J)	
3/30/2015	0.012	
10/11/2015	0.0049 (J)	
3/28/2016	0.00734 (J)	
8/1/2016	0.0049 (J)	
4/3/2017	0.0023 (J)	
10/2/2017	0.0023 (J)	
3/16/2018	0.0035 (J)	
9/18/2018	0.0041 (J)	
3/19/2019	0.0029 (J)	
9/12/2019	0.0028 (J)	
3/11/2020	0.0035 (J)	
9/15/2020	0.0031 (J)	
3/17/2021	0.0024 (J)	
8/9/2021	0.0028 (J)	
2/2/2022		0.0033 (J)
8/17/2022		0.0098
2/16/2023		0.0028 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.0058	
11/1/2007	<0.005	
11/20/2007	0.006	
1/30/2008	0.0037	
3/6/2008	0.004	
5/12/2008	<0.005	
12/13/2008	0.0051	
4/29/2009	0.003	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0027 (J)	
3/31/2016	<0.005	
8/5/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/4/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intravel
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.007	
11/1/2007	<0.005	
11/20/2007	0.0032	
1/30/2008	0.0039	
3/6/2008	<0.005	
5/8/2008	0.0039	
12/14/2008	0.0046	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00029 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.0037	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	0.0028	
4/12/2011	<0.005	
10/4/2011	0.013	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	0.00084 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	0.00023 (J)	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.0032	
11/1/2007	0.0031	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	0.0029	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.005 (J)	
10/2/2014	0.0022 (J)	
4/1/2015	0.019	
10/11/2015	0.013	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	0.00031 (J)	
3/12/2020	0.00032 (J)	
9/21/2020	<0.005	
3/19/2021	0.0018 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0029	
1/16/2008	0.0067	
3/5/2008	0.0058	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	0.0032	
10/21/2009	<0.005	
4/27/2010	0.0034	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0063	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	0.0017 (J)	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/11/2017	0.0003 (J)	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005 (D)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0035	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0028	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	0.0003 (J)	
10/9/2017	0.0005 (J)	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.00057 (J)	
3/13/2020	0.00033 (J)	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0043	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.013	
4/29/2009	0.0029	
10/21/2009	<0.005	
4/28/2010	0.0032	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	0.005 (J)	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	0.00021 (X)	
3/17/2020	0.00045 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		0.0014 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0048 (J)	
11/2/2007	<0.005	
11/17/2007	0.0031	
1/15/2008	0.0033	
3/5/2008	0.0026	
5/7/2008	0.0028	
12/2/2008	0.0029	
4/16/2009	0.0035	
10/20/2009	0.0056	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.0012 (J)	
4/5/2016	<0.005	
8/9/2016	<0.005	
4/11/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	0.02	
1/15/2008	0.0043	
3/6/2008	<0.005	
5/7/2008	0.0026	
12/2/2008	<0.005	
4/28/2009	0.003	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	0.0025	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.00093 (J)	
4/5/2016	<0.005	
8/4/2016	0.0007 (J)	
4/12/2017	<0.005	
10/6/2017	0.0003 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00029 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.021	
11/2/2007	0.0037	
11/18/2007	0.007 (J)	
1/15/2008	0.0055	
3/10/2008	0.0042	
5/13/2008	<0.005	
12/2/2008	0.0039	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
4/11/2017	0.0003 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.0002 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0005 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	<0.005 (*)	
9/26/2017	0.0006 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	0.00043 (J)	
3/10/2020	0.00067 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	0.0006 (J)	
1/31/2022		0.00053 (J)
8/15/2022		<0.005
2/14/2023		0.0054

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	0.0032 (JD)	
11/4/2016	0.0006 (JD)	
1/23/2017	0.0008 (JD)	
3/29/2017	0.0005 (JD)	
9/27/2017	0.0014 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	0.012 (JD)	
3/10/2020	0.00031 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	0.0022 (JD)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	0.0008 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0011 (J)	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.0016 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.001 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	0.0011 (J)	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	0.0008 (J)	
3/9/2020	0.00032 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0018 (J)	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005 (*)	
9/29/2017	0.0003 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/11/2019	0.000535 (JD)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.005	
5/18/2016	<0.005	
7/28/2016	0.0007 (J)	
9/21/2016	0.0018 (J)	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	0.0003 (J)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	0.00021 (J)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	0.00061 (J)	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0064	
10/25/2007	0.0081	
11/19/2007	0.0059	
1/23/2008	0.018	
3/11/2008	0.027	
5/12/2008	0.016	
12/11/2008	0.016	
4/15/2009	0.017	
10/9/2009	0.045	
5/4/2010	0.031	
10/12/2010	0.024	
4/28/2011	0.0044	
10/19/2011	0.038	
5/2/2012	0.0865 (O)	
10/9/2012	0.053	
4/11/2013	0.04	
10/16/2013	0.054	
4/23/2014	0.054	
10/3/2014	0.066	
3/31/2015	0.025	
10/12/2015	0.018	
3/28/2016	0.0256	
8/1/2016	0.0178 (J)	
4/3/2017	0.0272	
10/3/2017	0.0239 (J)	
3/19/2018	0.021 (J)	
9/17/2018	0.018 (J)	
3/20/2019	0.023 (J)	
9/16/2019	0.016 (J)	
3/16/2020	0.012 (J)	
9/16/2020	0.017 (J)	
3/17/2021	0.019	
8/9/2021	0.026	
2/2/2022		0.024
8/16/2022		0.021
2/20/2023		0.023

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.0033	
10/25/2007	<0.005	
11/20/2007	0.0052	
1/23/2008	0.0069	
3/11/2008	0.0029	
5/14/2008	0.0035	
12/11/2008	<0.005	
4/23/2009	0.0038	
10/9/2009	0.0032	
5/4/2010	<0.005	
10/11/2010	0.0029	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.005 (J)	
10/3/2014	0.00091 (J)	
4/1/2015	0.0011 (J)	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	0.0018 (J)	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00028 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	<0.005	
4/6/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005	
9/13/2019	0.00025 (J)	
3/12/2020	0.00021 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.002 (J)	
3/30/2016	<0.005	
8/2/2016	<0.005	
4/6/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.005 (D)	
7/2/2015	<0.005	
10/8/2015	0.00091 (J)	
3/22/2016	<0.005	
8/2/2016	<0.005	
4/7/2017	<0.005	
10/3/2017	0.0003 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00024 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	0.0047	
11/19/2007	0.0067 (J)	
1/15/2008	0.01	
3/6/2008	0.007	
5/13/2008	<0.005	
12/12/2008	0.0048	
4/16/2009	0.0042	
10/13/2009	0.0034	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00345 (JD)	
3/30/2016	<0.005	
8/5/2016	<0.005	
4/6/2017	0.0003 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	0.00021 (J)	
3/12/2020	0.00031 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.001	
10/23/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/5/2008	<0.001	
4/15/2009	<0.001	
10/7/2009	<0.001	
5/3/2010	<0.001	
10/12/2010	<0.001	
4/27/2011	<0.001	
10/17/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/12/2013	<0.001	
10/16/2013	<0.001	
4/11/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	0.0028 (J)	
10/13/2015	<0.001	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	0.0002 (J)	
9/23/2016	<0.001	
11/9/2016	0.0004 (J)	
1/30/2017	<0.001	
3/30/2017	8E-05 (J)	
6/9/2017	0.0001 (J)	
10/2/2017	0.0002 (J)	
3/16/2018	<0.001	
9/17/2018	<0.001 (D)	
3/20/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/15/2020	9.3E-05 (J)	
3/16/2021	5.2E-05 (J)	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.001	
10/24/2007	<0.001	
11/18/2007	<0.001	
1/31/2008	<0.001	
3/11/2008	<0.001	
5/6/2008	<0.001	
12/4/2008	<0.001	
4/21/2009	<0.001	
10/7/2009	<0.001	
4/26/2010	<0.001	
10/4/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/9/2012	<0.001	
4/15/2013	<0.001	
10/15/2013	<0.001	
4/22/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/29/2016	0.0001 (J)	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/19/2018	<0.001	
9/14/2018	<0.001	
3/20/2019	<0.001	
9/12/2019	0.002536 (JD)	
3/11/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.001	
10/24/2007	<0.001	
11/18/2007	<0.001	
1/31/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/4/2008	<0.001	
4/21/2009	<0.001	
10/8/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/10/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019	<0.001	
9/13/2019	<0.001	
3/11/2020	5.8E-05 (J)	
9/15/2020	5E-05 (J)	
3/16/2021	7E-05 (J)	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.001 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.001	
3/27/2017	<0.001 (D)	
6/8/2017	<0.001 (D)	
7/17/2017	<0.001 (D)	
7/27/2017	0.0001 (J)	
8/9/2017	<0.001	
9/29/2017	<0.001 (D)	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/14/2019	<0.001	
3/9/2020	0.00027 (J)	
9/16/2020	0.0005 (J)	
3/16/2021	0.0002 (J)	
8/6/2021	<0.001	
2/2/2022		<0.001
8/16/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.001	
5/11/2016	<0.001	
7/19/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001 (*)	
6/7/2017	8E-05 (J)	
9/26/2017	0.0002 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/15/2019	<0.001	
9/9/2019	<0.001	
3/9/2020	5.5E-05 (J)	
9/10/2020	<0.001	
3/12/2021	0.0002 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.001	
5/11/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/24/2017	<0.001 (*)	
5/24/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00046 (J)	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/9/2019	<0.001	
3/9/2020	9.5E-05 (J)	
9/11/2020	<0.001	
3/10/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/12/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.001	
5/12/2016	<0.001	
7/20/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/18/2017	<0.001	
3/24/2017	<0.001	
6/6/2017	<0.001	
9/25/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/14/2019	<0.001	
9/10/2019	<0.001 (D)	
3/6/2020	9.1E-05 (J)	
9/10/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.001	
5/13/2016	<0.001	
7/21/2016	0.0001 (J)	
9/21/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/6/2017	<0.001	
9/25/2017	0.0001 (J)	
3/14/2018	0.00031 (J)	
9/12/2018	<0.001	
3/14/2019	0.00031 (J)	
9/10/2019	<0.001	
3/9/2020	4.9E-05 (J)	
9/10/2020	<0.001	
3/10/2021	0.00012 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.001	
5/16/2016	<0.001	
7/22/2016	0.0001 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/7/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/14/2018	<0.001	
3/14/2019	<0.001	
9/10/2019	<0.001	
3/6/2020	0.00011 (J)	
9/10/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001	
6/6/2017	7E-05 (J)	
9/22/2017	8E-05 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/11/2019	0.0001 (J)	
3/9/2020	9.1E-05 (J)	
9/11/2020	4.6E-05 (J)	
3/11/2021	6.3E-05 (J)	
8/6/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001	
6/6/2017	0.0001 (J)	
9/22/2017	7E-05 (J)	
3/15/2018	0.0038 (J)	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/11/2019	9.2E-05 (J)	
3/9/2020	9.6E-05 (J)	
9/14/2020	6.6E-05 (J)	
3/11/2021	0.00013 (J)	
8/5/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0002 (J)	
4/7/2017	<0.001	
6/14/2017	<0.001 (D)	
7/12/2017	<0.001 (D)	
7/20/2017	<0.001 (D)	
7/28/2017	<0.001	
8/9/2017	<0.001	
8/24/2017	<0.001	
10/3/2017	<0.001 (D)	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/21/2019	<0.001 (D)	
9/12/2019	6.5E-05 (JD)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/16/2021	<0.001	
8/10/2021	<0.001	
2/3/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
4/27/2010	<0.001	
9/30/2010	<0.001	
4/14/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/2/2012	<0.001	
4/9/2013	<0.001	
10/15/2013	<0.001	
4/10/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	<0.001	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	0.0001 (J)	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	0.0003 (J)	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019	<0.001	
9/13/2019	<0.001	
3/11/2020	<0.001	
9/16/2020	9.3E-05 (J)	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
5/3/2010	<0.001	
10/11/2010	<0.001	
4/27/2011	<0.001	
10/19/2011	<0.001	
5/1/2012	0.0012	
10/2/2012	<0.001	
4/10/2013	<0.001	
10/16/2013	<0.001	
4/22/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/11/2016	<0.001	
1/30/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/18/2018	<0.001	
3/19/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/16/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/12/2008	<0.001	
12/13/2008	<0.001	
4/29/2009	<0.001	
10/20/2009	<0.001	
4/26/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/10/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	4.7E-05 (J)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/18/2021	<0.001	
8/10/2021	<0.001	
2/4/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/8/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/8/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	0.00017 (J)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/18/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	9E-05 (J)	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/23/2019	<0.001	
9/17/2019	4.6E-05 (J)	
3/12/2020	5.2E-05 (J)	
9/21/2020	<0.001	
3/19/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019	<0.001	
9/17/2019	8.2E-05 (J)	
3/12/2020	4.6E-05 (J)	
9/21/2020	<0.001	
3/19/2021	0.00018 (J)	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/31/2008	<0.001	
3/5/2008	<0.001	
5/12/2008	<0.001	
12/13/2008	<0.001	
4/28/2009	<0.001	
10/21/2009	<0.001	
4/28/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/18/2011	<0.001	
4/25/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/8/2013	<0.001	
4/1/2014	<0.001	
10/1/2014	<0.001	
4/1/2015	<0.001	
10/15/2015	<0.001	
4/4/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	0.0001 (J)	
9/29/2016	0.0001 (J)	
11/28/2016	<0.001	
2/9/2017	0.0001 (J)	
4/12/2017	<0.001	
6/16/2017	0.0002 (J)	
10/9/2017	0.0001 (J)	
3/21/2018	<0.001	
9/19/2018	<0.001	
3/23/2019	<0.001	
9/18/2019	0.0002 (J)	
3/13/2020	0.00013 (J)	
9/22/2020	0.00015 (J)	
3/18/2021	0.00024 (J)	
8/11/2021	<0.001	
2/17/2022		<0.001
8/18/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/31/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/12/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/28/2010	<0.001	
10/6/2010	<0.001	
4/20/2011	<0.001	
10/12/2011	<0.001	
4/25/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/8/2013	<0.001	
4/1/2014	<0.001	
10/1/2014	<0.001	
3/31/2015	<0.001	
10/14/2015	<0.001	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	0.0003 (J)	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	<0.001	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019	<0.001	
9/18/2019	4.8E-05 (X)	
3/17/2020	<0.001	
9/22/2020	7.1E-05 (J)	
3/19/2021	7.4E-05 (J)	
8/12/2021	<0.001	
2/4/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/16/2009	<0.001	
10/20/2009	<0.001	
4/20/2010	<0.001	
9/29/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	0.0002 (J)	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	<0.001	
3/13/2020	<0.001	
9/21/2020	0.00023 (J)	
3/18/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/19/2009	<0.001	
4/27/2010	<0.001	
10/4/2010	<0.001	
4/18/2011	<0.001	
10/12/2011	<0.001	
4/23/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	<0.001	
9/29/2016	0.0008 (J)	
11/23/2016	0.0011 (J)	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	0.0005 (J)	
10/6/2017	0.0004 (J)	
3/23/2018	0.00028 (J)	
9/19/2018	0.00029 (J)	
3/25/2019	0.00047 (J)	
9/17/2019	0.00016 (J)	
3/13/2020	0.00037 (J)	
9/21/2020	0.00093 (J)	
3/18/2021	0.00036 (J)	
8/11/2021	<0.001	
2/4/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/18/2007	<0.001	
1/15/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/20/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/25/2012	<0.001	
10/10/2012	<0.001	
4/16/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/6/2015	<0.001	
4/5/2016	<0.001	
5/31/2016	<0.001	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	<0.001	
3/13/2020	4.8E-05 (J)	
9/21/2020	7.5E-05 (J)	
3/18/2021	4E-05 (J)	
8/11/2021	<0.001	
2/7/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.001	
5/16/2016	<0.001	
7/25/2016	0.0003 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	0.0002 (J)	
1/19/2017	0.0003 (J)	
3/28/2017	<0.001 (*)	
6/5/2017	0.0007 (J)	
9/26/2017	0.0004 (J)	
3/15/2018	0.00064 (J)	
9/12/2018	0.00037 (J)	
3/14/2019	0.00077 (J)	
9/11/2019	0.00047 (J)	
3/10/2020	0.00066 (J)	
9/15/2020	0.00045 (J)	
3/11/2021	0.00053 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.001	
5/16/2016	<0.001 (D)	
7/25/2016	0.0002 (JD)	
9/19/2016	0.0004 (JD)	
11/4/2016	0.0002 (JD)	
1/23/2017	0.0001 (JD)	
3/29/2017	0.0001 (JD)	
6/7/2017	0.0001 (J)	
9/27/2017	0.0003 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/14/2019	<0.001 (D)	
9/11/2019	0.00016 (JD)	
3/10/2020	0.00014 (J)	
9/11/2020	0.00012 (J)	
3/11/2021	0.00012 (J)	
8/6/2021	<0.001	
2/1/2022		<0.001
8/12/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.001	
5/16/2016	<0.001 (D)	
7/25/2016	0.0001 (JD)	
9/19/2016	<0.001 (D)	
11/3/2016	<0.001 (D)	
1/20/2017	<0.001 (D)	
3/29/2017	0.0001 (JD)	
6/7/2017	8E-05 (J)	
9/27/2017	9E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/14/2019	<0.001 (D)	
9/11/2019	<0.001 (D)	
3/10/2020	<0.001	
9/11/2020	<0.001	
3/11/2021	4.5E-05 (J)	
8/6/2021	<0.001	
2/1/2022		<0.001
8/12/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	0.0003 (J)	
11/7/2016	<0.001	
1/23/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	0.0001 (J)	
9/27/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019	<0.001	
9/12/2019	<0.001	
3/9/2020	5.8E-05 (J)	
9/14/2020	<0.001	
3/11/2021	4.8E-05 (J)	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	0.0001 (J)	
11/4/2016	<0.001	
1/20/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	<0.001	
9/27/2017	<0.001	
3/16/2018	<0.001	
9/13/2018	<0.001	
3/19/2019	<0.001	
9/11/2019	8.5E-05 (J)	
3/9/2020	8E-05 (J)	
9/15/2020	<0.001	
3/11/2021	<0.001	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.001	
5/17/2016	<0.001	
7/27/2016	<0.001	
9/20/2016	0.0002 (J)	
11/4/2016	<0.001	
1/23/2017	<0.001	
3/28/2017	<0.001 (*)	
6/8/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019	<0.001	
9/11/2019	0.002529 (JD)	
3/9/2020	<0.001	
9/14/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.001	
5/18/2016	<0.001	
7/28/2016	0.0002 (J)	
9/21/2016	<0.001 (*)	
11/7/2016	<0.001	
1/24/2017	0.0002 (J)	
3/30/2017	<0.001	
6/9/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/14/2018	<0.001	
3/19/2019	<0.001	
9/11/2019	8.2E-05 (J)	
3/9/2020	0.00017 (J)	
9/14/2020	7.8E-05 (J)	
3/15/2021	4.6E-05 (J)	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.001	
10/25/2007	<0.001	
11/19/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/12/2008	<0.001	
12/11/2008	<0.001	
4/15/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/12/2010	<0.001	
4/28/2011	<0.001	
10/19/2011	<0.001	
5/2/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/23/2014	<0.001	
10/3/2014	<0.001	
3/31/2015	<0.001	
10/12/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/27/2016	<0.001	
11/11/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	5.1E-05 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/2/2022		<0.001
8/16/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.001	
10/25/2007	<0.001	
11/20/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/14/2008	<0.001	
12/11/2008	<0.001	
4/23/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/11/2010	<0.001	
4/26/2011	<0.001	
10/18/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/10/2013	<0.001	
10/8/2013	<0.001	
4/14/2014	<0.001	
10/3/2014	<0.001	
4/1/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	0.0003 (J)	
11/18/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	7E-05 (J)	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019	<0.001	
9/16/2019	0.0001 (J)	
3/12/2020	0.0001 (J)	
9/16/2020	0.00012 (J)	
3/17/2021	7.4E-05 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/14/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	7E-05 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/17/2018	<0.001	
3/21/2019	<0.001	
9/16/2019	<0.001	
3/12/2020	7E-05 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/1/2017	0.0001 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	9E-05 (J)	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019	<0.001	
9/13/2019	<0.001	
3/12/2020	8.2E-05 (J)	
9/16/2020	0.00011 (J)	
3/17/2021	4.9E-05 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.001	
4/30/2012	<0.001	
10/3/2012	<0.001	
4/8/2013	<0.001	
10/9/2013	<0.001	
4/10/2014	<0.001	
10/2/2014	<0.001	
4/3/2015	<0.001	
10/8/2015	<0.001	
3/30/2016	<0.001	
5/24/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/22/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	0.0001 (J)	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/27/2019	<0.001	
9/16/2019	<0.001 (D)	
3/12/2020	5.6E-05 (J)	
9/17/2020	8E-05 (J)	
3/17/2021	<0.001	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/21/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/8/2015	<0.001	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	0.0002 (J)	
9/26/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/3/2017	0.0002 (J)	
4/7/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0002 (J)	
3/20/2018	0.00042 (J)	
9/18/2018	<0.001	
5/6/2019	0.00032 (J)	
9/16/2019	5.4E-05 (J)	
3/16/2020	0.00016 (J)	
9/17/2020	6.5E-05 (J)	
3/18/2021	0.00011 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/13/2008	<0.001	
12/12/2008	<0.001	
4/16/2009	<0.001	
10/13/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/4/2012	0.0012	
10/8/2012	<0.001	
4/8/2013	<0.001	
10/9/2013	<0.001	
4/9/2014	<0.001	
9/30/2014	<0.001	
4/2/2015	<0.001	
10/10/2015	<0.001 (D)	
3/30/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	0.0001 (J)	
9/28/2016	0.0002 (J)	
11/21/2016	0.0002 (J)	
2/6/2017	0.0001 (J)	
4/6/2017	0.0001 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001 (D)	
3/21/2019	<0.001	
9/16/2019	6.1E-05 (J)	
3/12/2020	0.00016 (J)	
9/17/2020	7.9E-05 (J)	
3/18/2021	0.0001 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/21/2023		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	0.0096	
11/18/2007	0.023	
1/30/2008	0.11 (O)	
3/10/2008	0.024	
5/13/2008	0.006	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0096	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.004	
10/13/2015	<0.005	
3/22/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0004 (J)	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	0.00038 (J)	
3/11/2020	0.00068 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.026 (O)	
11/18/2007	0.043 (O)	
1/31/2008	0.0075	
3/11/2008	0.019	
5/6/2008	0.004	
12/4/2008	0.02	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	0.0025	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	0.0028	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0018 (J)	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0006 (J)	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	0.00518 (JD)	
3/11/2020	0.0014 (J)	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	0.0025	
11/18/2007	0.0093	
1/31/2008	0.054 (O)	
3/10/2008	0.0054	
5/13/2008	0.0043	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	<0.005	
4/3/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.002 (J)	
9/15/2020	0.0013 (J)	
3/16/2021	<0.005	
8/9/2021	0.00081 (J)	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0136 (D)	
7/27/2016	0.0224 (D)	
2/21/2017	0.0007 (J)	
3/27/2017	<0.005 (D)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	0.0017 (J)	
3/9/2020	0.00083 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.00544 (J)	
5/11/2016	0.0149	
7/19/2016	0.0044 (J)	
9/15/2016	0.0047 (J)	
11/2/2016	0.0025 (J)	
1/18/2017	0.004 (J)	
3/28/2017	0.0034 (J)	
9/26/2017	0.0016 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	0.0014 (J)	
3/9/2020	0.04 (o)	
9/10/2020	<0.005	
3/12/2021	0.0015 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		0.00095 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.028	
11/2/2007	0.041	
11/18/2007	0.14 (O)	
1/31/2008	0.053	
3/11/2008	0.076 (o)	
5/14/2008	0.074 (o)	
12/5/2008	0.032	
4/15/2009	0.028	
10/8/2009	0.032	
4/28/2010	0.029	
10/6/2010	0.031	
4/21/2011	0.019	
10/13/2011	0.028	
5/1/2012	0.0253	
10/9/2012	0.023	
4/11/2013	0.021	
10/16/2013	0.018	
4/23/2014	0.015	
10/4/2014	0.017	
3/31/2015	0.045	
10/12/2015	0.019	
3/23/2016	0.019	
7/29/2016	0.0161	
3/30/2017	0.018	
10/4/2017	0.0158	
3/19/2018	0.015	
9/17/2018	0.014	
3/20/2019	0.01	
9/13/2019	0.012	
3/11/2020	0.012	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	0.0006 (J)	
9/15/2016	0.0009 (J)	
11/3/2016	0.0011 (J)	
1/18/2017	0.0007 (J)	
3/24/2017	<0.005 (*)	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	0.0004 (JD)	
3/6/2020	0.0089 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		0.00083 (J)
2/13/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0009 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005 (*)	
9/25/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/12/2018	0.0011 (J)	
3/14/2019	0.001 (J)	
9/10/2019	0.00084 (J)	
3/9/2020	0.00036 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		0.00091 (J)
8/11/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	0.00233 (J)	
7/22/2016	0.0014 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/17/2017	0.0011 (J)	
3/27/2017	<0.01 (*)	
9/26/2017	0.0011 (J)	
3/14/2018	0.0012 (J)	
9/14/2018	0.0012 (J)	
3/14/2019	0.0015 (J)	
9/10/2019	0.0012 (J)	
3/6/2020	0.0015 (J)	
9/10/2020	0.0011 (J)	
3/11/2021	0.0011 (J)	
8/4/2021	0.0011 (J)	
1/31/2022		0.0011 (J)
8/10/2022		0.0016 (J)
2/13/2023		0.0013 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00288 (J)	
5/13/2016	<0.005	
7/19/2016	0.0006 (J)	
9/16/2016	0.0008 (J)	
11/2/2016	0.0007 (J)	
1/18/2017	0.0006 (J)	
3/28/2017	<0.005 (*)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00082 (J)	
3/9/2020	0.00082 (J)	
9/11/2020	0.00089 (J)	
3/11/2021	<0.005	
8/6/2021	0.00084 (J)	
1/31/2022		0.00077 (J)
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	0.0006 (J)	
3/28/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.005	
10/3/2017	<0.005 (D)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.00032 (JD)	
3/12/2020	0.00034 (J)	
9/17/2020	<0.005	
3/16/2021	<0.005	
8/10/2021	<0.005	
2/3/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.0035	
4/23/2009	0.0032	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	0.0028	
10/5/2011	0.0028	
4/11/2012	<0.005	
10/2/2012	0.0026	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0025 (J)	
10/1/2014	<0.005	
3/30/2015	0.0015 (J)	
10/11/2015	0.0013 (J)	
3/28/2016	<0.005	
8/1/2016	<0.005	
4/7/2017	0.0011 (J)	
10/2/2017	0.0013 (J)	
3/16/2018	<0.005	
9/17/2018	0.00096 (J)	
3/19/2019	<0.005	
9/13/2019	0.00063 (J)	
3/11/2020	0.00084 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	0.00077 (J)	
2/1/2022		0.0008 (J)
8/16/2022		0.00071 (J)
2/16/2023		0.00082 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.0096	
4/23/2009	0.015	
10/6/2009	0.008	
5/3/2010	0.0053	
10/11/2010	0.0061	
4/27/2011	0.0087	
10/19/2011	0.0039	
5/1/2012	0.0054	
10/2/2012	0.0044	
4/10/2013	0.0053	
10/16/2013	0.0047	
4/22/2014	0.0045	
10/1/2014	0.0018 (J)	
3/30/2015	0.0037	
10/11/2015	0.0018 (J)	
3/28/2016	0.0028 (J)	
8/1/2016	<0.01	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0014 (J)	
9/18/2018	0.0012 (J)	
3/19/2019	0.0016 (J)	
9/12/2019	0.0015 (J)	
3/11/2020	0.001 (J)	
9/15/2020	0.0012 (J)	
3/17/2021	0.0012 (J)	
8/9/2021	0.00097 (J)	
2/2/2022		0.00089 (J)
8/17/2022		0.0011 (J)
2/16/2023		0.00081 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	0.0042	
11/20/2007	0.026	
1/30/2008	0.032	
3/6/2008	0.019	
5/12/2008	0.0072	
12/13/2008	0.024	
4/29/2009	0.0026	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	0.0042	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	0.004	
4/3/2013	0.0028	
10/15/2013	0.0036	
4/9/2014	0.0025 (J)	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
8/5/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	0.0016 (J)	
9/18/2018	<0.005	
3/22/2019	0.0022 (J)	
9/17/2019	<0.005	
3/12/2020	0.0015 (J)	
9/17/2020	<0.005	
3/18/2021	0.00094 (J)	
8/10/2021	0.00081 (J)	
2/4/2022		0.0014 (J)
8/17/2022		<0.005
2/20/2023		0.0019 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	0.006	
11/20/2007	<0.005	
1/30/2008	0.029 (O)	
3/6/2008	<0.005	
5/8/2008	0.0057	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	0.0006 (J)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	0.00043 (J)	
9/17/2020	<0.005	
3/18/2021	0.0011 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.0087	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	0.0042	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.0025 (J)	
10/2/2014	0.0016 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	0.0046	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0041	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0047	
1/16/2008	0.029	
3/5/2008	0.023	
5/13/2008	0.0032	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.003	
10/9/2013	<0.01	
4/1/2014	0.0025 (J)	
10/2/2014	<0.01	
4/1/2015	0.0014 (J)	
10/14/2015	0.0021 (J)	
4/4/2016	0.00264 (J)	
8/3/2016	<0.01	
4/11/2017	0.0027 (J)	
10/4/2017	0.0022 (J)	
3/22/2018	0.0025 (J)	
9/18/2018	0.0024 (J)	
3/23/2019	0.0026 (J)	
9/17/2019	0.0033 (JD)	
3/12/2020	0.0022 (J)	
9/21/2020	0.0019 (J)	
3/19/2021	0.0022 (J)	
8/11/2021	0.0019 (J)	
2/2/2022		0.0025 (J)
8/18/2022		0.0023 (J)
2/21/2023		0.0022 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0076	
11/1/2007	0.0043	
11/19/2007	0.0061	
1/31/2008	0.015	
3/5/2008	<0.005	
5/12/2008	0.0035	
12/13/2008	0.0079	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	0.0031	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	<0.005	
10/9/2017	<0.005	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.00046 (J)	
3/13/2020	<0.005	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	0.0033	
11/19/2007	0.0029	
1/31/2008	0.0039	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.022 (O)	
4/29/2009	0.0034	
10/21/2009	<0.005	
4/28/2010	0.0026	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	0.00082 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	0.0029	
11/17/2007	0.0086	
1/15/2008	0.011	
3/5/2008	0.0072	
5/7/2008	0.0045	
12/2/2008	0.011	
4/16/2009	0.0061	
10/20/2009	0.01	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
8/9/2016	0.0021 (J)	
4/11/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	0.00096 (J)	
3/22/2019	<0.005	
9/17/2019	0.0007 (X)	
3/13/2020	0.00078 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.0089	
11/2/2007	0.0036	
11/17/2007	0.014 (O)	
1/15/2008	0.0096	
3/6/2008	0.0038	
5/7/2008	0.0056	
12/2/2008	0.003	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	0.004	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	<0.005	
10/6/2017	0.001 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	0.0011 (J)	
9/17/2019	0.00057 (J)	
3/13/2020	0.00072 (J)	
9/21/2020	0.0015 (J)	
3/18/2021	0.00079 (J)	
8/11/2021	<0.005	
2/4/2022		0.00093 (J)
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	0.0088 (J)	
1/15/2008	0.019	
3/10/2008	0.017	
5/13/2008	0.0058	
12/2/2008	0.0043	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0006 (J)	
9/19/2016	0.0008 (J)	
11/3/2016	0.0007 (J)	
1/19/2017	0.0009 (J)	
3/28/2017	<0.005 (*)	
9/26/2017	0.0007 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	0.00058 (J)	
3/10/2020	0.00086 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.00073 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	0.00316 (JD)	
7/25/2016	0.0013 (JD)	
9/19/2016	0.0013 (JD)	
11/4/2016	0.0015 (JD)	
1/23/2017	0.0015 (JD)	
3/29/2017	0.0012 (JD)	
9/27/2017	0.0014 (J)	
3/15/2018	0.0011 (J)	
9/13/2018	0.001 (J)	
3/14/2019	0.001 (JD)	
9/11/2019	0.0012 (JD)	
3/10/2020	0.0012 (J)	
9/11/2020	0.00099 (J)	
3/11/2021	0.00092 (J)	
8/6/2021	0.00098 (J)	
2/1/2022		0.0011 (J)
8/12/2022		0.00086 (J)
2/14/2023		0.00092 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	0.00095 (J)	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		0.004 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	0.0013 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	0.0004 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	0.0007 (J)	
9/20/2016	0.0007 (J)	
11/4/2016	0.0006 (J)	
1/20/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	<0.005	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019	0.0042 (J)	
9/11/2019	0.0014 (J)	
3/9/2020	<0.005	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00432 (J)	
5/17/2016	0.00489 (J)	
7/27/2016	0.0036 (J)	
9/20/2016	0.0035 (J)	
11/4/2016	0.0035 (J)	
1/23/2017	<0.01	
3/28/2017	0.0033 (J)	
9/29/2017	0.0036 (J)	
3/15/2018	0.0033 (J)	
9/13/2018	0.0038 (J)	
3/15/2019	0.0033 (J)	
9/11/2019	0.00405 (JD)	
3/9/2020	0.0039 (J)	
9/14/2020	0.0046 (J)	
3/11/2021	0.0047 (J)	
8/4/2021	0.0045 (J)	
1/31/2022		0.0052
8/15/2022		0.0056
2/14/2023		0.0058

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/11/2020	0.0004 (J)	
9/11/2020	<0.005	
3/15/2021	<0.005	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.00421 (J)	
5/18/2016	<0.01	
7/28/2016	0.0024 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0035 (J)	
1/24/2017	0.005 (J)	
3/30/2017	0.0046 (J)	
9/29/2017	0.004 (J)	
3/15/2018	0.0028 (J)	
9/14/2018	0.0024 (J)	
3/19/2019	0.0047 (J)	
9/11/2019	0.0012 (J)	
3/9/2020	0.003 (J)	
9/14/2020	0.0014 (J)	
3/15/2021	0.0013 (J)	
8/5/2021	0.0023 (J)	
2/1/2022		0.0014 (J)
8/15/2022		0.0022 (J)
2/14/2023		0.0018 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0069	
10/25/2007	0.038	
11/19/2007	0.025	
1/23/2008	0.047	
3/11/2008	0.042	
5/12/2008	0.031	
12/11/2008	0.027	
4/15/2009	0.025	
10/9/2009	0.051	
5/4/2010	0.025	
10/12/2010	0.024	
4/28/2011	0.01	
10/19/2011	0.03	
5/2/2012	0.0429	
10/9/2012	0.033	
4/11/2013	0.02	
10/16/2013	0.028	
4/23/2014	0.024	
10/3/2014	0.032	
3/31/2015	0.012	
10/12/2015	0.012	
3/28/2016	0.0172	
8/1/2016	0.0113	
4/3/2017	0.0114	
10/3/2017	0.0098 (J)	
3/19/2018	0.0092 (J)	
9/17/2018	0.0085 (J)	
3/20/2019	0.008 (J)	
9/16/2019	0.008 (J)	
3/16/2020	0.015	
9/16/2020	0.0075 (J)	
3/17/2021	0.0077	
8/9/2021	0.0089	
2/2/2022		0.0088
8/16/2022		0.0087
2/20/2023		0.0087

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	0.0028	
11/20/2007	0.012	
1/23/2008	0.046 (O)	
3/11/2008	0.0091	
5/14/2008	0.022	
12/11/2008	0.005	
4/23/2009	0.0031	
10/9/2009	0.0053	
5/4/2010	<0.005	
10/11/2010	0.0042	
4/26/2011	0.0051	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	0.0025	
4/14/2014	0.0025 (J)	
10/3/2014	0.0021 (J)	
4/1/2015	0.0026	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	0.0005 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	0.0011 (J)	
4/6/2017	0.0011 (J)	
10/3/2017	0.0012 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	0.00099 (J)	
9/13/2019	0.00061 (J)	
3/12/2020	0.00078 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	0.0009 (J)	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.003	
3/30/2016	<0.005	
8/2/2016	<0.005	
4/6/2017	0.0003 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.002 (J)	
6/18/2015	0.0025 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
8/2/2016	<0.005	
4/7/2017	0.0007 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.0006 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.0046	
11/1/2007	0.0057	
11/19/2007	0.014 (J)	
1/15/2008	0.057 (O)	
3/6/2008	0.046 (O)	
5/13/2008	0.0069	
12/12/2008	0.0061	
4/16/2009	0.0067 (J)	
10/13/2009	0.0054	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0029	
4/9/2014	0.0025 (J)	
9/30/2014	<0.01	
4/2/2015	0.0016 (J)	
10/10/2015	0.00295 (D)	
3/30/2016	0.00202 (J)	
8/5/2016	<0.01	
4/6/2017	0.001 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00097 (J)	
9/18/2018	<0.01 (D)	
3/21/2019	0.001 (J)	
9/16/2019	0.00062 (J)	
3/12/2020	0.0011 (J)	
9/17/2020	<0.01	
3/18/2021	0.001 (J)	
8/10/2021	0.001 (J)	
2/2/2022		0.0011 (J)
8/17/2022		0.0011 (J)
2/21/2023		0.001 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	0.00216 (J)	
7/29/2016	0.001 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	0.0016 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	0.0021 (J)	
9/15/2020	<0.005	
3/17/2021	0.0045 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		0.0014 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	0.0021 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00236 (J)	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.0055	
4/4/2016	0.00286 (J)	
5/31/2016	0.00303 (J)	
8/4/2016	0.005 (J)	
9/29/2016	0.0074 (J)	
11/28/2016	0.0073 (J)	
2/9/2017	0.0067 (J)	
4/12/2017	0.0048 (J)	
6/16/2017	0.007 (J)	
10/9/2017	0.0048 (J)	
3/21/2018	0.0021 (J)	
9/19/2018	0.0019 (J)	
3/23/2019	<0.005	
9/18/2019	0.0018 (J)	
3/13/2020	0.0019 (J)	
9/22/2020	<0.005	
3/18/2021	0.0021 (J)	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	0.0014 (J)	
4/11/2017	0.0024 (J)	
6/16/2017	<0.005	
7/12/2017	0.0019 (J)	
7/28/2017	<0.005	
8/10/2017	0.0019 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/16/2009	<0.005	
10/20/2009	<0.005	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.0016 (J)	
9/21/2020	<0.005	
3/18/2021	0.0016 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	0.0016 (J)	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00622 (J)	
5/16/2016	0.0021 (J)	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0033 (J)	
6/5/2017	0.0068 (J)	
9/26/2017	0.0037 (J)	
3/15/2018	0.0031 (J)	
9/12/2018	<0.005	
3/14/2019	0.0042 (J)	
9/11/2019	0.0021 (J)	
3/10/2020	0.0063 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	0.0036 (J)	
1/31/2022		0.0018 (J)
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0009 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	0.0009 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/11/2019	<0.005 (D)	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	0.015 (O)	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	0.0054	
4/11/2013	0.0072	
10/16/2013	<0.005	
4/23/2014	0.0067	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	0.0019 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	0.0038 (J)	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.0089	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	<0.005	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00388 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0012 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	<0.005	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0025 (J)	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
8/1/2016	0.0004 (J)	
4/7/2017	0.0005 (J)	
10/2/2017	0.0006 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00045 (J)	
3/11/2020	0.00039 (J)	
9/16/2020	0.00042 (J)	
3/17/2021	0.00044 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	0.0048	
5/3/2010	<0.0025	
10/11/2010	<0.0025	
4/27/2011	0.004	
10/19/2011	<0.0025	
5/1/2012	<0.0025	
10/2/2012	<0.0025	
4/10/2013	<0.0025	
10/16/2013	0.0034	
4/22/2014	0.0034	
10/1/2014	0.0012 (J)	
3/30/2015	0.003	
10/11/2015	0.0018 (J)	
3/28/2016	0.0022 (J)	
8/1/2016	0.0016 (J)	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0023 (J)	
9/18/2018	0.0017 (J)	
3/19/2019	0.0017 (J)	
9/12/2019	0.0028 (J)	
3/11/2020	0.0013 (J)	
9/15/2020	0.0012 (J)	
3/17/2021	0.0026 (J)	
8/9/2021	0.0015 (J)	
2/2/2022		0.0012 (J)
8/17/2022		0.0021 (J)
2/16/2023		0.0011 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	<0.005	
3/5/2008	0.0046	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/11/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005 (D)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	0.0026	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0099	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0067	
10/13/2015	<0.01	
3/22/2016	0.00214 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019	<0.01	
9/12/2019	<0.01	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/16/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	0.0051	
1/31/2008	<0.01	
3/11/2008	0.0032	
5/6/2008	<0.01	
12/4/2008	0.016 (O)	
4/21/2009	0.005	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0016 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019	<0.01	
9/12/2019	<0.01 (D)	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	0.0078	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	0.0036	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	0.005 (J)	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019	<0.01	
9/13/2019	0.001 (J)	
3/11/2020	0.00084 (J)	
9/15/2020	<0.01	
3/16/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.002 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019	<0.01	
3/9/2020	<0.01	
9/16/2020	<0.01	
3/16/2021	<0.01	
8/6/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0046	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	0.0023 (J)	
10/12/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019	<0.01	
9/13/2019	<0.01	
3/11/2020	<0.01	
3/29/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/17/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00204 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	<0.01	
9/11/2020	<0.01	
3/11/2021	<0.01	
8/6/2021	<0.01	
1/31/2022		<0.01
8/11/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00202 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	0.00074 (J)	
9/14/2020	<0.01	
3/11/2021	<0.01	
8/5/2021	<0.01	
1/31/2022		<0.01
8/10/2022		<0.01
2/13/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01 (D)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019	<0.01 (D)	
9/12/2019	0.00084 (JD)	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/16/2021	<0.01	
8/10/2021	<0.01	
2/3/2022		<0.01
8/17/2022		<0.01
2/17/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0065	
10/6/2009	0.0026	
5/3/2010	0.0028	
10/11/2010	0.0035	
4/27/2011	0.0047	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	<0.01	
10/16/2013	<0.01	
4/22/2014	0.005 (J)	
10/1/2014	<0.01	
3/30/2015	0.0032 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019	<0.01	
9/12/2019	<0.01	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/16/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0034	
1/30/2008	0.005	
3/6/2008	0.0032	
5/12/2008	<0.01	
12/13/2008	0.0082	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/4/2022		<0.01
8/17/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0029	
12/14/2008	0.0026	
4/29/2009	<0.01	
10/22/2009	0.0026	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0047	
5/7/2008	0.003	
12/14/2008	0.0056	
4/29/2009	0.018 (O)	
10/22/2009	0.0079	
4/21/2010	0.0075	
9/29/2010	0.0065	
4/13/2011	0.004	
10/4/2011	0.0054	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.005 (J)	
10/2/2014	<0.01	
4/1/2015	0.0067	
10/11/2015	0.0049 (J)	
4/4/2016	0.00251 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0015 (J)	
3/22/2018	<0.01	
9/18/2018	0.0022 (J)	
3/23/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	0.0071	
3/5/2008	0.0031	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	0.0037	
10/21/2009	0.0047	
4/27/2010	0.0082	
10/5/2010	<0.01	
4/19/2011	0.0036	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	0.0022 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019	<0.01	
9/17/2019	<0.01 (D)	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/2/2022		<0.01
8/18/2022		<0.01
2/21/2023		0.0034 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0035	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/12/2008	0.0064	
12/13/2008	0.02 (O)	
4/28/2009	0.0039	
10/21/2009	0.0037	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/18/2011	0.0037	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
4/1/2015	0.0019 (J)	
10/15/2015	<0.01	
4/4/2016	0.00211 (J)	
8/4/2016	<0.01	
4/12/2017	0.0016 (J)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	0.0022 (J)	
3/23/2019	<0.01	
9/18/2019	<0.01	
3/13/2020	0.002 (J)	
9/22/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	0.0021 (J)	
2/17/2022		<0.01
8/18/2022		<0.01
2/22/2023		0.0019 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	0.0048	
11/19/2007	0.0054	
1/31/2008	0.003	
3/5/2008	<0.01	
5/7/2008	0.0041	
12/12/2008	0.023 (O)	
4/29/2009	0.006	
10/21/2009	0.022 (O)	
4/28/2010	0.011	
10/6/2010	0.0064	
4/20/2011	0.0046	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019	<0.01	
9/18/2019	<0.01	
3/17/2020	<0.01	
9/22/2020	<0.01	
3/19/2021	<0.01	
8/12/2021	<0.01	
2/4/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.012	
11/2/2007	<0.01	
11/17/2007	0.0043	
1/15/2008	0.0037	
3/5/2008	0.0049	
5/7/2008	<0.01	
12/2/2008	0.0097	
4/16/2009	0.0061	
10/20/2009	0.0092	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.001 (J)	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	<0.01	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	0.00077 (J)	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.0027	
11/2/2007	0.012	
11/18/2007	0.016 (J)	
1/15/2008	0.018	
3/10/2008	0.014	
5/13/2008	0.013	
12/2/2008	0.016	
4/28/2009	0.016	
10/20/2009	0.021	
4/27/2010	0.012	
10/5/2010	0.011	
4/19/2011	0.012	
10/12/2011	0.0031	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.0016 (J)	
10/6/2015	0.002 (J)	
4/5/2016	0.00233 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	0.00095 (J)	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/7/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01 (D)	
7/25/2016	0.0022 (JD)	
9/19/2016	<0.01 (D)	
11/4/2016	<0.01 (D)	
1/23/2017	<0.01 (D)	
3/29/2017	<0.01 (D)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019	<0.01 (D)	
9/11/2019	<0.01 (D)	
3/10/2020	<0.01	
9/11/2020	<0.01	
3/11/2021	<0.01	
8/6/2021	<0.01	
2/1/2022		<0.01
8/12/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	0.00075 (J)	
9/15/2020	<0.01	
3/11/2021	<0.01	
8/5/2021	<0.01	
2/1/2022		<0.01
8/15/2022		<0.01
2/14/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0032	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/3/2014	0.00097 (J)	
3/31/2015	0.00096 (J)	
10/12/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019	<0.01	
9/16/2019	<0.01	
3/16/2020	<0.01	
9/16/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	<0.01	
11/20/2007	<0.01	
1/23/2008	0.007	
3/11/2008	0.0033	
5/14/2008	0.0043	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0043	
5/4/2010	0.0027	
10/11/2010	0.0034	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.005 (J)	
10/3/2014	0.0016 (J)	
4/1/2015	0.0021 (J)	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019	<0.01	
9/16/2019	<0.01	
3/12/2020	<0.01	
9/16/2020	<0.01	
3/17/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/17/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.005 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0056	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019	<0.01	
9/16/2019	<0.01 (D)	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/17/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/21/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.005 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019	<0.01	
9/16/2019	<0.01	
3/16/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/20/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0052	
1/15/2008	0.0065	
3/6/2008	0.0028	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	0.0033	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0032 (JD)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019	<0.01	
9/16/2019	<0.01	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/21/2023		0.003 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.032 (O)	
10/23/2007	0.0099	
11/18/2007	0.0095 (J)	
1/30/2008	0.022 (O)	
3/10/2008	0.014	
5/13/2008	0.0075	
12/5/2008	0.0056 (J)	
4/15/2009	0.0033	
10/7/2009	0.061 (O)	
5/3/2010	0.0033	
10/12/2010	0.0041	
4/27/2011	<0.02	
10/17/2011	0.0046	
5/2/2012	<0.02	
10/8/2012	0.0053	
4/12/2013	0.006	
10/16/2013	0.0048	
4/11/2014	0.0033	
9/30/2014	0.002 (J)	
3/30/2015	0.012	
10/13/2015	0.011	
3/22/2016	0.00346 (J)	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/17/2018	<0.02 (D)	
3/20/2019	<0.02	
9/12/2019	0.0047 (J)	
3/11/2020	0.0035 (J)	
9/15/2020	<0.02	
3/16/2021	0.0091 (J)	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0033	
10/24/2007	0.043 (O)	
11/18/2007	0.024	
1/31/2008	0.015	
3/11/2008	0.027	
5/6/2008	0.0032	
12/4/2008	0.081 (O)	
4/21/2009	0.0057	
10/7/2009	<0.02	
4/26/2010	<0.02	
10/4/2010	0.0057	
4/13/2011	<0.02	
10/5/2011	<0.02	
4/11/2012	<0.02	
10/9/2012	<0.02	
4/15/2013	0.0038	
10/15/2013	0.0044	
4/22/2014	0.0025 (J)	
9/30/2014	0.00076 (J)	
3/30/2015	0.0024 (J)	
10/13/2015	0.0017 (J)	
3/23/2016	<0.02	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/19/2018	<0.02	
9/14/2018	<0.02	
3/20/2019	<0.02	
9/12/2019	0.00505 (JD)	
3/11/2020	0.0028 (J)	
9/15/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0079	
10/24/2007	<0.02	
11/18/2007	0.015	
1/31/2008	0.063 (O)	
3/10/2008	0.013 (J)	
5/13/2008	0.0072	
12/4/2008	0.011 (J)	
4/21/2009	0.0041	
10/8/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0081	
4/12/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.02	
10/9/2012	0.0064	
4/11/2013	<0.02	
10/16/2013	<0.02	
4/10/2014	0.0026	
9/30/2014	0.0012 (J)	
3/30/2015	0.013	
10/13/2015	0.0043	
3/23/2016	<0.02	
7/29/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/14/2018	<0.02	
3/19/2019	<0.02	
9/13/2019	0.0078 (J)	
3/11/2020	0.0038 (J)	
9/15/2020	<0.02	
3/16/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.02 (D)	
7/27/2016	<0.02 (*)	
2/21/2017	0.0049 (J)	
3/27/2017	<0.02 (*)	
9/29/2017	0.0012 (JD)	
3/16/2018	0.0042 (J)	
9/14/2018	<0.02	
3/14/2019	0.0035 (J)	
3/9/2020	0.009 (J)	
9/16/2020	<0.02	
3/16/2021	<0.02	
8/6/2021	<0.02	
2/2/2022		<0.02
8/16/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.02	
5/11/2016	0.00467 (J)	
7/19/2016	<0.02 (*)	
9/15/2016	0.0044 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.02 (*)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0029 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/15/2019	0.0023 (J)	
9/9/2019	0.0047 (J)	
3/9/2020	0.0035 (J)	
9/10/2020	<0.02	
3/12/2021	0.0065 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/10/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.066	
11/2/2007	0.055	
11/18/2007	0.13	
1/31/2008	0.13	
3/11/2008	0.07	
5/14/2008	0.12	
12/5/2008	0.088	
4/15/2009	0.068	
10/8/2009	0.075	
4/28/2010	0.071	
10/6/2010	0.074	
4/21/2011	0.047	
10/13/2011	0.073	
5/1/2012	0.0652	
10/9/2012	0.061	
4/11/2013	0.053	
10/16/2013	0.047	
4/23/2014	0.041	
10/4/2014	0.044 (V)	
3/31/2015	0.12	
10/12/2015	0.053	
3/23/2016	0.0532	
7/29/2016	0.0446	
3/30/2017	0.0479	
10/4/2017	0.0429	
3/19/2018	<0.02	
9/17/2018	0.04	
3/20/2019	0.028	
9/13/2019	0.036	
3/11/2020	0.031	
3/29/2021	<0.02	
8/9/2021	<0.02	
2/2/2022		<0.02
8/16/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.02	
5/11/2016	<0.02	
7/21/2016	<0.02 (*)	
9/15/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/24/2017	<0.02 (*)	
9/26/2017	0.0019 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	<0.02	
9/9/2019	0.0058 (J)	
3/9/2020	0.002 (J)	
9/11/2020	<0.02	
3/10/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/12/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.02	
5/12/2016	<0.02	
7/20/2016	<0.02	
9/15/2016	0.0027 (J)	
11/3/2016	<0.02	
1/18/2017	<0.02 (*)	
3/24/2017	<0.02 (*)	
9/25/2017	<0.02	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	<0.02	
9/10/2019	0.00745 (JD)	
3/6/2020	0.0027 (J)	
9/10/2020	<0.02	
3/11/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.00286 (J)	
5/13/2016	<0.02	
7/21/2016	<0.02 (*)	
9/21/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/27/2017	<0.02 (*)	
9/25/2017	0.0023 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	0.0021 (J)	
9/10/2019	0.0075 (J)	
3/9/2020	0.0024 (J)	
9/10/2020	<0.02	
3/10/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.00862 (J)	
5/16/2016	0.00744 (J)	
7/22/2016	<0.02 (*)	
9/19/2016	0.0162	
11/3/2016	0.011	
1/17/2017	0.0104	
3/27/2017	<0.02 (*)	
9/26/2017	0.0094 (J)	
3/14/2018	<0.02	
9/14/2018	<0.02	
3/14/2019	0.01	
9/10/2019	0.014	
3/6/2020	0.012	
9/10/2020	0.0073 (J)	
3/11/2021	0.0089 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/10/2022		0.0089 (J)
2/13/2023		0.011 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0093 (J)	
5/13/2016	0.00336 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	0.0023 (J)	
11/2/2016	0.0047 (J)	
1/18/2017	<0.02	
3/28/2017	<0.02 (*)	
9/22/2017	0.0013 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	0.0022 (J)	
9/11/2019	0.0065 (J)	
3/9/2020	0.002 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00722 (J)	
5/13/2016	0.00666 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	<0.02	
11/2/2016	0.0057 (J)	
1/18/2017	0.0022 (J)	
3/28/2017	<0.02	
9/22/2017	0.0014 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	0.0023 (J)	
9/11/2019	0.0053 (J)	
3/9/2020	0.0022 (J)	
9/14/2020	<0.02	
3/11/2021	<0.02	
8/5/2021	<0.02	
1/31/2022		<0.02
8/10/2022		<0.02
2/13/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.02	
10/3/2017	<0.02 (D)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/21/2019	0.0034 (JD)	
9/12/2019	0.0072 (JD)	
3/12/2020	0.0027 (J)	
9/17/2020	0.0047 (J)	
3/16/2021	<0.02	
8/10/2021	<0.02	
2/3/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.048 (O)	
4/23/2009	0.0075	
10/6/2009	0.0075	
4/27/2010	0.0051	
9/30/2010	0.0089	
4/14/2011	0.0043	
10/5/2011	0.0051	
4/11/2012	<0.02	
10/2/2012	0.006	
4/9/2013	0.0034	
10/15/2013	0.0042	
4/10/2014	0.0035	
10/1/2014	0.0019 (J)	
3/30/2015	0.0032	
10/11/2015	0.0048	
3/28/2016	0.00282 (J)	
8/1/2016	<0.02	
4/7/2017	<0.02	
10/2/2017	0.0015 (J)	
3/16/2018	<0.02	
9/17/2018	<0.02	
3/19/2019	<0.02	
9/13/2019	0.0061 (J)	
3/11/2020	0.0025 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.013 (J)	
4/23/2009	0.075 (O)	
10/6/2009	0.056 (O)	
5/3/2010	0.051 (O)	
10/11/2010	0.016	
4/27/2011	0.025 (O)	
10/19/2011	0.0078	
5/1/2012	0.0134	
10/2/2012	0.012	
4/10/2013	0.018	
10/16/2013	0.015	
4/22/2014	0.015	
10/1/2014	0.0038	
3/30/2015	0.0097	
10/11/2015	0.0024 (J)	
3/28/2016	0.00703 (J)	
8/1/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	0.0016 (J)	
3/16/2018	<0.02	
9/18/2018	<0.02	
3/19/2019	<0.02	
9/12/2019	0.0058 (J)	
3/11/2020	0.0033 (J)	
9/15/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/16/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.031	
11/1/2007	0.0041	
11/20/2007	0.056	
1/30/2008	0.032	
3/6/2008	0.03	
5/12/2008	0.008	
12/13/2008	0.056	
4/29/2009	0.057	
10/20/2009	0.0037	
4/26/2010	<0.02	
9/29/2010	0.012	
4/13/2011	<0.02	
10/5/2011	0.0031	
4/4/2012	<0.02	
10/3/2012	0.0085	
4/3/2013	0.0061	
10/15/2013	0.008	
4/9/2014	0.0048	
10/2/2014	0.0023 (JV)	
4/2/2015	0.0023 (J)	
10/10/2015	0.0024 (J)	
3/31/2016	<0.02	
8/5/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0012 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0052 (J)	
3/12/2020	0.0024 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/4/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.0066	
11/1/2007	0.0086	
11/20/2007	0.005	
1/30/2008	0.0084	
3/6/2008	0.0073	
5/8/2008	0.0084	
12/14/2008	0.0075 (J)	
4/29/2009	0.0028	
10/21/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.005	
4/12/2011	<0.02	
10/4/2011	0.0088	
4/3/2012	<0.02	
10/8/2012	0.0034	
4/3/2013	<0.02	
10/15/2013	0.0027	
4/9/2014	0.0025 (J)	
10/2/2014	0.0027 (V)	
4/2/2015	0.002 (J)	
10/12/2015	<0.02	
3/31/2016	0.00266 (J)	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0048 (J)	
3/12/2020	0.0027 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/5/2008	<0.02	
5/7/2008	0.015	
12/14/2008	0.0086 (J)	
4/29/2009	0.0037	
10/22/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0042	
4/12/2011	<0.02	
10/4/2011	0.012	
4/3/2012	<0.02	
10/3/2012	<0.02	
4/3/2013	<0.02	
10/9/2013	<0.02	
4/2/2014	0.0063	
10/2/2014	0.0023 (J)	
4/1/2015	0.0017 (J)	
10/11/2015	0.0016 (J)	
4/4/2016	<0.02	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/23/2019	<0.02	
9/17/2019	0.0056 (J)	
3/12/2020	0.0038 (J)	
9/21/2020	<0.02	
3/19/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/6/2008	0.0038	
5/7/2008	<0.02	
12/14/2008	0.0031 (J)	
4/29/2009	0.0031	
10/22/2009	0.0029	
4/21/2010	0.0027	
9/29/2010	<0.02	
4/13/2011	<0.02	
10/4/2011	0.003	
4/4/2012	<0.02	
10/3/2012	0.0029	
4/3/2013	0.0035	
10/9/2013	<0.02	
4/2/2014	0.0033	
10/2/2014	0.0027	
4/1/2015	0.013	
10/11/2015	0.017	
4/4/2016	0.00419 (J)	
8/4/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/22/2018	<0.02	
9/18/2018	<0.02	
3/23/2019	<0.02	
9/17/2019	0.0075 (J)	
3/12/2020	0.0053 (J)	
9/21/2020	0.0037 (J)	
3/19/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.036	
11/1/2007	0.0041	
11/19/2007	0.015	
1/16/2008	0.074	
3/5/2008	0.055	
5/13/2008	0.035	
12/13/2008	0.012 (J)	
4/16/2009	0.053	
10/21/2009	0.0063	
4/27/2010	0.045	
10/5/2010	0.0047	
4/19/2011	0.0068	
10/12/2011	0.0048	
4/24/2012	<0.02	
10/2/2012	<0.02	
4/2/2013	0.0081	
10/9/2013	0.0032	
4/1/2014	0.0025 (J)	
10/2/2014	0.0023 (J)	
4/1/2015	0.0035	
10/14/2015	0.0066	
4/4/2016	0.00858 (J)	
8/3/2016	<0.02	
4/11/2017	<0.02	
10/4/2017	0.0104	
3/22/2018	0.014	
9/18/2018	0.013	
3/23/2019	0.012	
9/17/2019	0.018 (D)	
3/12/2020	0.015	
9/21/2020	0.0065 (J)	
3/19/2021	0.0076 (J)	
8/11/2021	0.011 (J)	
2/2/2022		0.019 (J)
8/18/2022		0.014 (J)
2/21/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0064	
11/1/2007	<0.02	
11/19/2007	0.015	
1/31/2008	0.032 (O)	
3/5/2008	0.0061	
5/12/2008	0.012	
12/13/2008	0.087 (O)	
4/28/2009	0.067 (O)	
10/21/2009	0.025 (O)	
4/28/2010	0.014	
10/5/2010	0.012	
4/19/2011	0.012	
10/18/2011	0.025	
4/25/2012	0.014	
10/2/2012	0.0089	
4/2/2013	0.0082	
10/8/2013	0.015	
4/1/2014	0.0074	
10/1/2014	0.00077 (J)	
4/1/2015	0.0082	
10/15/2015	0.0082	
4/4/2016	0.00818 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/9/2017	<0.02	
3/21/2018	<0.02	
9/19/2018	<0.02	
3/23/2019	0.021	
9/18/2019	0.007 (J)	
3/13/2020	0.0043 (J)	
9/22/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/17/2022		<0.02
8/18/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.02	
11/1/2007	0.0038	
11/19/2007	0.0055	
1/31/2008	0.0063	
3/5/2008	0.0037	
5/7/2008	0.0033	
12/12/2008	0.097 (O)	
4/29/2009	0.068 (O)	
10/21/2009	0.011	
4/28/2010	0.048 (O)	
10/6/2010	0.003	
4/20/2011	0.0038	
10/12/2011	0.0027	
4/25/2012	<0.02	
10/2/2012	0.0059	
4/2/2013	0.008	
10/8/2013	0.0062	
4/1/2014	0.0067	
10/1/2014	0.0024 (J)	
3/31/2015	0.0046	
10/14/2015	0.002 (J)	
4/4/2016	<0.02	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/20/2018	<0.02	
3/22/2019	0.0048 (J)	
9/18/2019	0.0091 (X)	
3/17/2020	0.0057 (J)	
9/22/2020	<0.02	
3/19/2021	<0.02	
8/12/2021	<0.02	
2/4/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0036 (J)	
11/2/2007	0.0026 (J)	
11/17/2007	0.024 (O)	
1/15/2008	0.0074	
3/5/2008	0.075 (O)	
5/7/2008	0.0088	
12/2/2008	0.11 (O)	
4/16/2009	0.091 (O)	
10/20/2009	0.056 (O)	
4/20/2010	0.014	
9/29/2010	0.015	
4/12/2011	0.0028	
10/4/2011	0.0025	
4/4/2012	0.0105	
10/10/2012	0.0033	
4/15/2013	0.0031	
10/22/2013	<0.02	
4/21/2014	0.0032	
9/30/2014	0.0015 (J)	
4/3/2015	0.0015 (J)	
10/7/2015	<0.02	
4/5/2016	<0.02	
8/9/2016	0.0016 (J)	
4/11/2017	<0.02	
10/5/2017	0.0024 (J)	
3/22/2018	<0.02	
9/19/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0057 (X)	
3/13/2020	0.0028 (J)	
9/21/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.0038	
11/2/2007	0.0025	
11/17/2007	0.023 (O)	
1/15/2008	0.012	
3/6/2008	0.0069	
5/7/2008	0.007	
12/2/2008	0.021 (O)	
4/28/2009	0.0055	
10/19/2009	0.0051	
4/27/2010	0.0068	
10/4/2010	0.0074	
4/18/2011	0.0031	
10/12/2011	0.0067	
4/23/2012	<0.02	
10/10/2012	0.0046	
4/15/2013	0.006	
10/22/2013	0.0037	
4/21/2014	0.0073	
9/30/2014	0.0027	
4/3/2015	0.0017 (J)	
10/7/2015	0.0042	
4/5/2016	0.00573 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/6/2017	0.0024 (J)	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/25/2019	0.0039 (J)	
9/17/2019	0.0066 (J)	
3/13/2020	0.0057 (J)	
9/21/2020	0.0036 (J)	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.052 (O)	
11/2/2007	0.01 (J)	
11/18/2007	0.025 (J)	
1/15/2008	0.055 (O)	
3/10/2008	0.018	
5/13/2008	0.0044	
12/2/2008	0.065 (O)	
4/28/2009	0.0037 (J)	
10/20/2009	0.0043	
4/27/2010	<0.02	
10/5/2010	0.0028	
4/19/2011	<0.02	
10/12/2011	<0.02	
4/25/2012	<0.02	
10/10/2012	<0.02	
4/16/2013	0.005	
10/22/2013	0.0028	
4/21/2014	0.0028	
9/30/2014	0.0018 (J)	
4/3/2015	0.0021 (J)	
10/6/2015	<0.02	
4/5/2016	0.00288 (J)	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0048 (X)	
3/13/2020	0.0026 (J)	
9/21/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/7/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00424 (J)	
5/16/2016	0.00345 (J)	
7/25/2016	<0.02 (*)	
9/19/2016	0.004 (J)	
11/3/2016	0.0047 (J)	
1/19/2017	0.0035 (J)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0039 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	0.0039 (J)	
9/11/2019	0.0068 (J)	
3/10/2020	0.0049 (J)	
9/15/2020	0.0062 (J)	
3/11/2021	0.004 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.00244 (J)	
5/16/2016	<0.02 (D)	
7/25/2016	0.006 (J*D)	
9/19/2016	0.0061 (JD)	
11/4/2016	0.0032 (JD)	
1/23/2017	0.0031 (JD)	
3/29/2017	0.00615 (*JD)	
9/27/2017	0.0048 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019	<0.02 (D)	
9/11/2019	0.0065 (JD)	
3/10/2020	0.0031 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
2/1/2022		<0.02
8/12/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.00697 (J)	
5/16/2016	0.00452 (JD)	
7/25/2016	0.0065 (*JD)	
9/19/2016	0.0034 (JD)	
11/3/2016	0.0039 (JD)	
1/20/2017	0.0023 (JD)	
3/29/2017	0.00705 (*JD)	
9/27/2017	0.0036 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019	0.0022 (JD)	
9/11/2019	0.0058 (JD)	
3/10/2020	0.0035 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
2/1/2022		<0.02
8/12/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.00337 (J)	
5/17/2016	0.00268 (J)	
7/26/2016	<0.02 (*)	
9/20/2016	0.0058 (J)	
11/4/2016	0.0029 (J)	
1/20/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0016 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019	<0.02	
9/11/2019	0.0055 (J)	
3/10/2020	0.0029 (J)	
9/14/2020	<0.02	
3/11/2021	<0.02	
8/5/2021	<0.02	
1/31/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.027	
5/18/2016	0.0277	
7/27/2016	0.0221	
9/20/2016	0.03	
11/7/2016	0.0202	
1/23/2017	0.0156	
3/29/2017	<0.036 (*)	
9/27/2017	0.0196	
12/28/2017	0.0315 (Y)	
3/15/2018	<0.036	
9/13/2018	0.031	
3/15/2019	0.051	
9/12/2019	0.035	
3/9/2020	0.044	
9/14/2020	0.032	
3/11/2021	0.047	
8/5/2021	0.037	
2/1/2022		0.038
8/15/2022		0.027 (J)
2/14/2023		0.05

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0154	
5/18/2016	0.0136	
7/27/2016	0.0153	
9/20/2016	0.0173	
11/4/2016	0.0149	
1/20/2017	0.0134	
3/29/2017	<0.01 (*)	
9/27/2017	0.0111	
3/16/2018	0.012	
9/13/2018	<0.01	
3/19/2019	0.016	
9/11/2019	0.028	
3/9/2020	0.032	
9/15/2020	0.028	
3/11/2021	0.028	
8/5/2021	0.024	
2/1/2022		0.029
8/15/2022		0.04
2/14/2023		0.031

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00618 (J)	
5/17/2016	0.00672 (J)	
7/27/2016	<0.02 (*)	
9/20/2016	0.0081 (J)	
11/4/2016	0.0071 (J)	
1/23/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0055 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/15/2019	0.0058 (J)	
9/11/2019	0.011 (D)	
3/9/2020	0.0079 (J)	
9/14/2020	0.0076 (J)	
3/11/2021	0.0088 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/15/2022		0.0094 (J)
2/14/2023		0.011 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.02	
5/18/2016	<0.02	
7/27/2016	<0.02 (*)	
9/21/2016	<0.02	
11/4/2016	<0.02	
1/24/2017	<0.02	
3/29/2017	<0.02 (*)	
9/29/2017	<0.02	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019	<0.02	
9/11/2019	0.005 (J)	
3/11/2020	0.0036 (J)	
9/11/2020	<0.02	
3/15/2021	<0.02	
8/11/2021	<0.02	
2/1/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.02	
5/18/2016	0.00208 (J)	
7/28/2016	<0.02 (*)	
9/21/2016	0.0079 (J)	
11/7/2016	<0.02 (*)	
1/24/2017	0.0053 (J)	
3/30/2017	<0.02 (*)	
9/29/2017	0.004 (J)	
3/15/2018	<0.02	
9/14/2018	<0.02	
3/19/2019	0.0034 (J)	
9/11/2019	0.0085 (J)	
3/9/2020	0.0047 (J)	
9/14/2020	0.0042 (J)	
3/15/2021	<0.02	
8/5/2021	<0.02	
2/1/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.016	
10/25/2007	0.061	
11/19/2007	0.053	
1/23/2008	0.14	
3/11/2008	0.13	
5/12/2008	0.11	
12/11/2008	0.04 (J)	
4/15/2009	0.11	
10/9/2009	0.15	
5/4/2010	0.077	
10/12/2010	0.077	
4/28/2011	0.032	
10/19/2011	0.11	
5/2/2012	0.138	
10/9/2012	0.097	
4/11/2013	0.047	
10/16/2013	0.098	
4/23/2014	0.066	
10/3/2014	0.13 (V)	
3/31/2015	0.05	
10/12/2015	0.048	
3/28/2016	0.0534	
8/1/2016	0.055	
4/3/2017	0.0436	
10/3/2017	0.0393	
3/19/2018	<0.034	
9/17/2018	0.03	
3/20/2019	0.032	
9/16/2019	0.035	
3/16/2020	0.047	
9/16/2020	0.033	
3/17/2021	0.027	
8/9/2021	0.036	
2/2/2022		0.034
8/16/2022		0.03
2/20/2023		0.032

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.04 (O)	
10/25/2007	0.0062	
11/20/2007	0.03 (O)	
1/23/2008	0.048 (O)	
3/11/2008	0.016	
5/14/2008	0.02	
12/11/2008	0.021	
4/23/2009	0.0058 (J)	
10/9/2009	0.055 (O)	
5/4/2010	0.045 (O)	
10/11/2010	0.015	
4/26/2011	0.0067	
10/18/2011	0.0055	
5/2/2012	<0.02	
10/8/2012	0.0043	
4/10/2013	0.0067	
10/8/2013	0.0091	
4/14/2014	0.0063	
10/3/2014	0.0065 (V)	
4/1/2015	0.0059	
10/9/2015	<0.02	
3/29/2016	<0.02	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/19/2018	<0.02	
9/17/2018	<0.02	
3/21/2019	<0.02	
9/16/2019	0.0058 (J)	
3/12/2020	0.0042 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0035	
6/18/2015	0.0025 (D)	
7/2/2015	0.0018 (J)	
10/9/2015	0.0019 (J)	
3/29/2016	0.00345 (J)	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0014 (J)	
3/20/2018	<0.02	
9/17/2018	<0.02	
3/21/2019	<0.02	
9/16/2019	0.0057 (J)	
3/12/2020	0.0032 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/21/2019	<0.02	
9/13/2019	0.0053 (J)	
3/12/2020	0.0031 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	0.0032	
4/30/2012	<0.02	
10/3/2012	0.0034	
4/8/2013	0.0039	
10/9/2013	0.0078	
4/10/2014	0.0064	
10/2/2014	0.0009 (JV)	
4/3/2015	<0.02	
10/8/2015	0.013	
3/30/2016	0.00323 (J)	
8/2/2016	<0.02	
4/6/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/27/2019	<0.02	
9/16/2019	0.00525 (JD)	
3/12/2020	0.002 (J)	
9/17/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/21/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.0017 (J)	
6/18/2015	0.0052 (D)	
7/2/2015	0.0027	
10/8/2015	<0.02	
3/22/2016	0.00459 (J)	
8/2/2016	<0.02	
4/7/2017	<0.02	
10/3/2017	0.0022 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
5/6/2019	0.0024 (J)	
9/16/2019	0.0065 (J)	
3/16/2020	0.0073 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/27/2023 2:26 PM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.011	
11/1/2007	0.012	
11/19/2007	0.026 (J)	
1/15/2008	0.075 (O)	
3/6/2008	0.051 (O)	
5/13/2008	0.0084	
12/12/2008	0.077 (O)	
4/16/2009	0.064 (O)	
10/13/2009	0.013	
4/21/2010	0.0035	
9/29/2010	0.0085	
4/13/2011	0.0028	
10/5/2011	0.0038	
4/4/2012	0.0126	
10/8/2012	0.0043	
4/8/2013	0.0068	
10/9/2013	0.0082	
4/9/2014	0.0043	
9/30/2014	0.0029	
4/2/2015	0.0056	
10/10/2015	0.0065 (D)	
3/30/2016	0.00487 (J)	
8/5/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0023 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02 (D)	
3/21/2019	0.0024 (J)	
9/16/2019	0.0062 (J)	
3/12/2020	0.0045 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/21/2023		<0.02

FIGURE E.

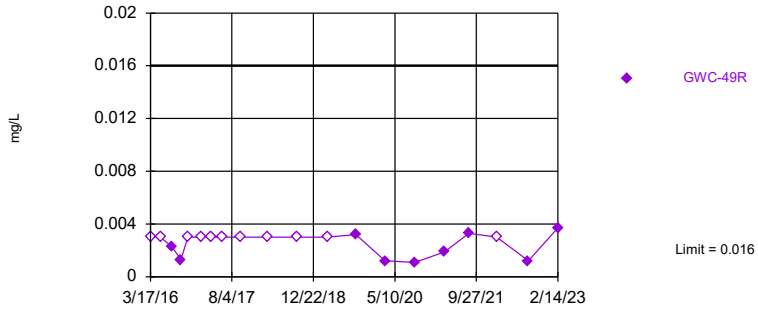
Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:29 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-49R	0.016	n/a	2/14/2023	0.0037	No	409	n/a	n/a	70.17	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.015	n/a	2/14/2023	0.0058	No	400	n/a	n/a	79	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.051	n/a	2/14/2023	0.0054	No	362	n/a	n/a	58.01	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.053	n/a	2/14/2023	0.0058	No	356	n/a	n/a	54.78	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

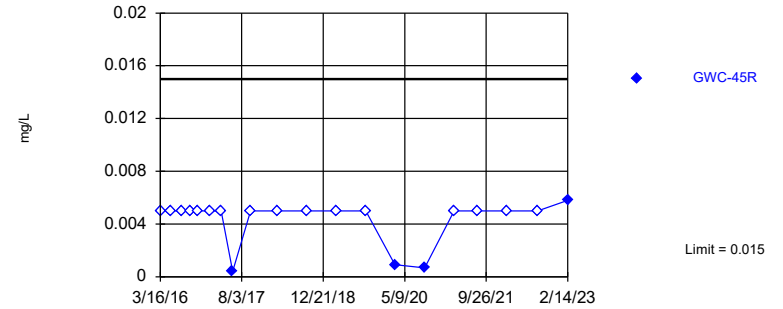


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 409 background values. 70.17% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Antimony Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

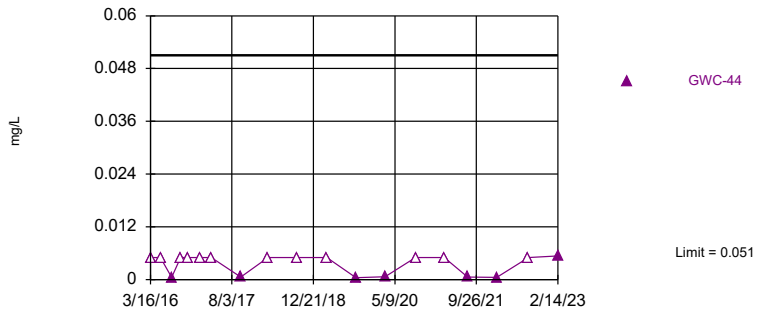


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 400 background values. 79% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Chromium Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

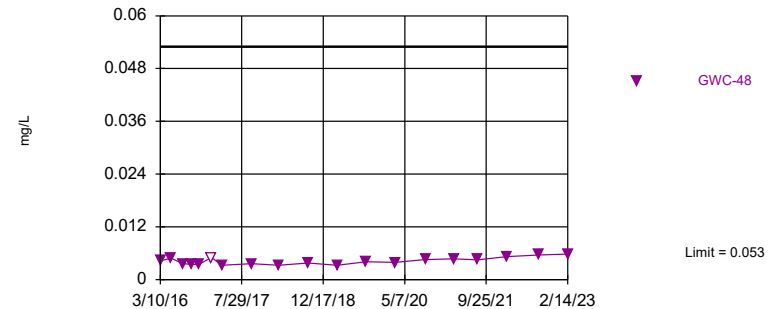


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 362 background values. 58.01% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Copper Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 356 background values. 54.78% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Nickel Analysis Run 3/27/2023 2:28 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.003	<0.003	<0.003	<0.003					
10/23/2007	<0.003								
10/24/2007			<0.003	<0.003					
11/2/2007		<0.003							
11/18/2007	<0.003	<0.003	<0.003	<0.003					
1/30/2008	<0.003								
1/31/2008		<0.003	<0.003	<0.003					
3/10/2008	<0.003				<0.003				
3/11/2008		<0.003	<0.003						
5/6/2008			<0.003						
5/13/2008	<0.003					<0.003			
5/14/2008		<0.003							
12/4/2008			<0.003	<0.003					
12/5/2008	<0.003	<0.003							
12/12/2008					<0.003	<0.003			
4/15/2009	<0.003	<0.003							
4/21/2009			<0.003	<0.003					
4/23/2009					<0.003	<0.003			
10/6/2009					<0.003	<0.003			
10/7/2009	<0.003		<0.003						
10/8/2009		<0.003		<0.003					
4/21/2010				<0.003					
4/26/2010			<0.003						
4/27/2010					<0.003				
4/28/2010		<0.003							
5/3/2010	<0.003							<0.003	
9/28/2010				<0.003					
9/30/2010					<0.003				
10/4/2010			<0.003						
10/6/2010		<0.003							
10/11/2010								<0.003	
10/12/2010	<0.003								
4/12/2011				<0.003					
4/13/2011			<0.003						
4/14/2011					<0.003				
4/21/2011		<0.003							
4/27/2011	<0.003							<0.003	
10/4/2011				<0.003					
10/5/2011			<0.003		<0.003				
10/13/2011		<0.003							
10/17/2011	0.0054								
10/19/2011								<0.003	
4/3/2012				0.0053					
4/11/2012			<0.003		<0.003				
5/1/2012		<0.003						<0.003	
5/2/2012	<0.003								
10/2/2012					<0.003	<0.003			
10/8/2012	<0.003								
10/9/2012		<0.003	<0.003	<0.003					
4/9/2013					<0.003				
4/10/2013								<0.003	
4/11/2013		<0.003		0.0075					

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	0.0058								
4/15/2013			<0.003						
10/15/2013			<0.003		<0.003				
10/16/2013	0.01	<0.003		<0.003		<0.003			
4/10/2014				0.0081	<0.003				
4/11/2014	0.005 (J)								
4/22/2014			<0.003			<0.003			
4/23/2014		<0.003							
9/30/2014	0.0068		<0.003	0.0022 (J)					
10/1/2014					<0.003	<0.003			
10/4/2014		0.0031 (J)							
3/30/2015	0.0074		<0.003	0.011	<0.003	<0.003			
3/31/2015		0.0068							
10/11/2015					<0.003	<0.003			
10/12/2015		<0.003							
10/13/2015	0.017 (O)		<0.003	0.0045 (J)					
3/11/2016							<0.003	<0.003	<0.003
3/14/2016									
3/15/2016									
3/17/2016									
3/22/2016	0.00567								
3/23/2016		0.0035	<0.003	0.00281 (J)					
3/28/2016					0.00139 (J)	<0.003			
5/11/2016									
5/12/2016									
5/13/2016								<0.003	<0.003
5/16/2016							<0.003		
5/18/2016									
5/19/2016	0.00319			0.00264 (J)					
5/20/2016			<0.003						
5/23/2016		<0.003			0.000677 (J)				
5/25/2016						<0.003			
7/19/2016								<0.003	<0.003 (*)
7/20/2016									
7/21/2016									
7/22/2016							0.002 (J)		
7/27/2016									
7/29/2016	0.0025 (J)	0.0029 (J)	<0.003	0.0069					
8/1/2016					<0.003	<0.003			
9/15/2016									
9/16/2016								<0.003	<0.003
9/19/2016							<0.003		
9/21/2016									
9/22/2016		0.0041		0.0066					
9/23/2016	0.0051		<0.003						
9/26/2016					<0.003	<0.003			
11/2/2016								<0.003	<0.003
11/3/2016							<0.003		
11/4/2016									
11/9/2016	0.0097 (J)		<0.003						
11/10/2016		0.0048 (J)		<0.003	<0.003				
11/11/2016						<0.003			

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
1/17/2017							<0.003		
1/18/2017								0.0013 (J)	<0.003
1/24/2017									
1/30/2017	0.0032				<0.003	<0.003			
1/31/2017		<0.003	<0.003	0.0064					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017							<0.003		
3/28/2017								<0.003	<0.003
3/29/2017									
3/30/2017	0.0028 (J)	0.001 (J)	<0.003						
4/3/2017				0.0049		<0.003			
4/7/2017					<0.003				
5/24/2017									
6/6/2017								0.0007 (J)	<0.003
6/7/2017							<0.003		
6/8/2017									
6/9/2017	<0.003			<0.003					
6/12/2017		<0.003	<0.003		<0.003	<0.003			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								0.0012 (J)	<0.003
9/25/2017									
9/26/2017							<0.003		
9/29/2017									
10/2/2017	0.0014 (J)		<0.003	0.0045	<0.003	<0.003			
10/3/2017									
10/4/2017		0.0009 (J)							
3/14/2018							<0.003		<0.003
3/15/2018								<0.003	
3/16/2018	0.0014 (J)			0.021 (O)	<0.003	<0.003			
3/19/2018		0.0019 (J)	<0.003						
3/21/2018									
9/12/2018								<0.003	<0.003
9/13/2018									
9/14/2018			<0.003	0.0054			<0.003		
9/17/2018	0.00105 (JD)	0.0011 (J)			<0.003				
9/18/2018						<0.003			
3/13/2019								<0.003	<0.003
3/14/2019							<0.003		
3/15/2019									
3/18/2019									
3/19/2019				0.0019 (J)	<0.003	<0.003			
3/20/2019	<0.003	0.0019 (J)	<0.003						
3/21/2019									

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
9/9/2019									
9/10/2019							<0.003		
9/11/2019								0.00029 (J)	<0.003
9/12/2019	0.0037		<0.003 (D)			<0.003			
9/13/2019		0.0013 (J)		0.0044	<0.003				
3/6/2020							<0.003		
3/9/2020								0.00037 (J)	0.00062 (J)
3/11/2020	0.00079 (J)	0.0045	<0.003	0.002 (J)	0.0005 (J)	<0.003			
3/12/2020									
9/10/2020							<0.003		
9/11/2020									<0.003
9/14/2020								<0.003	
9/15/2020	0.0061		<0.003	0.0037		0.00048 (J)			
9/16/2020					<0.003				
9/17/2020									
3/10/2021									
3/11/2021							<0.003	0.00074 (J)	<0.003
3/12/2021									
3/15/2021									
3/16/2021	0.0014 (J)			0.005					
3/17/2021			<0.003		<0.003	<0.003			
3/29/2021		<0.003							
8/4/2021							<0.003		
8/5/2021								<0.003	
8/6/2021									<0.003
8/9/2021	0.0027 (J)	<0.003	<0.003	0.0033	<0.003	<0.003			
8/10/2021									
8/11/2021									
1/31/2022							<0.003	<0.003	<0.003
2/1/2022	0.0028 (J)		<0.003	0.0029 (J)	0.0015 (J)				
2/2/2022		<0.003				<0.003			
2/3/2022									
8/10/2022							<0.003	<0.003	
8/11/2022									<0.003
8/12/2022									
8/15/2022									
8/16/2022	0.0084	<0.003	<0.003	0.002 (J)	<0.003				
8/17/2022						<0.003			
2/13/2023							<0.003	<0.003	
2/14/2023									<0.003
2/16/2023	0.016		<0.003	0.0048	<0.003	<0.003			
2/17/2023		<0.003							

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-39Z (bg) GWA-40 (bg) GWA-41 (bg) GWA-41R (bg) GWC-49R GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016							
3/14/2016	<0.003						
3/15/2016		<0.003	<0.003	<0.003			
3/17/2016					<0.003		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	0.000839 (J)	<0.003					
5/12/2016			<0.003				
5/13/2016				<0.003			
5/16/2016						<0.003 (D)	
5/18/2016					<0.003		
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	0.0024 (J)						
7/20/2016			<0.003				
7/21/2016		<0.003		<0.003 (*)			
7/22/2016							
7/27/2016					0.0023 (J)	0.0003 (JD)	
7/29/2016							
8/1/2016							
9/15/2016	0.0009 (J)	<0.003	<0.003				
9/16/2016							
9/19/2016							
9/21/2016				<0.003	0.0013 (J)		
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016	0.001 (J)						
11/3/2016		0.0021 (J)	<0.003	<0.003			
11/4/2016					<0.003		
11/9/2016							
11/10/2016							
11/11/2016							

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)	GWA-4RZ (bg)
1/17/2017		<0.003		<0.003			
1/18/2017	0.0017 (J)		<0.003				
1/24/2017					<0.003		
1/30/2017							
1/31/2017							
2/21/2017						0.0057	
2/22/2017							0.0018 (J)
3/24/2017		<0.003	<0.003				
3/27/2017				0.0008 (J)		0.0013 (JD)	
3/28/2017	0.0006 (J)						
3/29/2017					<0.003		
3/30/2017							
4/3/2017							
4/7/2017							0.0008 (J)
5/24/2017		<0.003					
6/6/2017			<0.003	<0.003			
6/7/2017	0.0003 (J)						
6/8/2017					<0.003 (*)	<0.003 (*)	
6/9/2017							
6/12/2017							
6/14/2017							0.00205 (JD)
7/12/2017							0.0015 (JD)
7/17/2017						0.005 (D)	
7/20/2017							<0.003 (D)
7/27/2017						0.0033	
7/28/2017							<0.003
8/9/2017						0.0012 (J)	<0.003
8/24/2017							0.0007 (J)
9/22/2017							
9/25/2017			<0.003	0.0035			
9/26/2017	<0.003	<0.003					
9/29/2017					<0.003	0.0013 (JD)	
10/2/2017							
10/3/2017							<0.003 (D)
10/4/2017							
3/14/2018	<0.003	<0.003	<0.003	<0.003			
3/15/2018					<0.003		
3/16/2018						0.0078	
3/19/2018							
3/21/2018							<0.003
9/12/2018	<0.003	<0.003	<0.003	0.003			
9/13/2018					<0.003		
9/14/2018						0.0056	
9/17/2018							
9/18/2018							<0.003
3/13/2019		<0.003					
3/14/2019			<0.003	<0.003		0.014 (O)	
3/15/2019	<0.003						
3/18/2019					<0.003		
3/19/2019							
3/20/2019							
3/21/2019							<0.003 (D)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-49R	GWA-39RZ (bg)	GWA-4RZ (bg)
9/9/2019	0.00079 (J)	<0.003					
9/10/2019			<0.003 (D)	0.0029 (J)			
9/11/2019					0.0032		
9/12/2019							0.00052 (JD)
9/13/2019							
3/6/2020			<0.003				
3/9/2020	0.0011 (J)	<0.003		0.0037		0.0013 (J)	
3/11/2020					0.0012 (J)		
3/12/2020							0.0017 (J)
9/10/2020	0.0003 (J)		<0.003	0.0019 (J)			
9/11/2020		<0.003			0.0011 (J)		
9/14/2020							
9/15/2020							
9/16/2020						0.0028 (J)	
9/17/2020							0.00087 (J)
3/10/2021		<0.003		0.00037 (J)			
3/11/2021			0.00038 (J)				
3/12/2021	0.0039						
3/15/2021					0.0019 (J)		
3/16/2021						0.00041 (J)	0.00082 (J)
3/17/2021							
3/29/2021							
8/4/2021	0.00083 (J)	<0.003	<0.003	<0.003			
8/5/2021							
8/6/2021						<0.003	
8/9/2021							
8/10/2021							0.0013 (J)
8/11/2021					0.0033		
1/31/2022	<0.003	0.0014 (J)	<0.003	0.0011 (J)			
2/1/2022					<0.003		
2/2/2022						<0.003	
2/3/2022							<0.003
8/10/2022	<0.003						
8/11/2022			<0.003	<0.003			
8/12/2022		<0.003					
8/15/2022					0.0012 (J)		
8/16/2022						0.001 (J)	
8/17/2022							<0.003
2/13/2023	0.00087 (J)	<0.003	<0.003	0.0045			
2/14/2023					0.0037	0.0019 (J)	
2/16/2023							
2/17/2023							<0.003

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.005	0.0045	<0.005	<0.005					
10/23/2007	0.011								
10/24/2007		0.039 (O)	0.0033						
11/2/2007				0.027 (O)					
11/18/2007	0.038 (O)	0.059 (O)	0.012	0.17 (O)					
1/30/2008	0.11 (O)								
1/31/2008		0.0067	0.052 (O)	0.012					
3/10/2008	0.038 (O)		0.01						
3/11/2008		0.03 (O)		0.063 (O)					
5/6/2008		0.0062							
5/13/2008	0.012		0.0068						
5/14/2008				0.057 (O)					
12/4/2008		0.009	0.0017						
12/5/2008	<0.005			<0.005					
12/12/2008					<0.005	<0.005			
4/15/2009	<0.005			<0.005					
4/21/2009		0.0022	<0.005						
4/23/2009					<0.005	0.0031			
10/6/2009					<0.005	0.0024			
10/7/2009	0.0065	<0.005							
10/8/2009			<0.005	<0.005					
4/21/2010			<0.005						
4/26/2010		<0.005							
4/27/2010					<0.005				
4/28/2010				<0.005					
5/3/2010	<0.005							<0.005	
9/28/2010			<0.005						
9/30/2010					0.0014				
10/4/2010		<0.005							
10/6/2010				<0.005					
10/11/2010								0.0028	
10/12/2010	<0.005								
4/12/2011			<0.005						
4/13/2011		<0.005							
4/14/2011					0.0014				
4/21/2011				<0.005					
4/27/2011	<0.005							0.0041	
10/4/2011			<0.005						
10/5/2011		<0.005			<0.005				
10/13/2011				<0.005					
10/17/2011	<0.005								
10/19/2011								<0.005	
4/3/2012			<0.005						
4/11/2012		<0.005			<0.005				
5/1/2012				<0.005				<0.005	
5/2/2012	<0.005								
10/2/2012					<0.005	0.0019			
10/8/2012	<0.005								
10/9/2012		<0.005	<0.005	<0.005					
4/9/2013					<0.005				
4/10/2013						0.0027			
4/11/2013			<0.005	<0.005					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	0.0019								
4/15/2013		0.0013							
10/15/2013		0.0023			<0.005				
10/16/2013	0.0024		<0.005	0.0013		0.0029			
4/10/2014			<0.005		0.0013 (J)				
4/11/2014	0.0013 (J)								
4/22/2014		<0.005				0.0024			
4/23/2014				<0.005					
9/30/2014	<0.005	<0.005	<0.005						
10/1/2014					<0.005	<0.005			
10/4/2014				<0.005					
3/30/2015	0.0047	0.0011 (J)	<0.005		<0.005	0.0022			
3/31/2015				<0.005					
10/11/2015					<0.005	<0.005			
10/12/2015				<0.005					
10/13/2015	<0.005	<0.005	<0.005						
3/11/2016							<0.005	0.00212 (J)	<0.005
3/14/2016									
3/15/2016									
3/16/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005	<0.005					
3/28/2016					<0.005	<0.005			
5/11/2016									
5/12/2016									
5/13/2016								<0.005	<0.005
5/16/2016							<0.005		
5/19/2016	<0.005		<0.005						
5/20/2016		<0.005							
5/23/2016				<0.005	<0.005				
5/25/2016						<0.005			
7/19/2016								0.0006 (J)	<0.005
7/20/2016									
7/21/2016									
7/22/2016							<0.005		
7/25/2016									
7/27/2016									
7/29/2016	<0.005	<0.005	<0.005	<0.005					
8/1/2016					<0.005	<0.005			
9/15/2016									
9/16/2016								<0.005	<0.005
9/19/2016							<0.005		
9/21/2016									
9/22/2016			<0.005	0.0013 (J)					
9/23/2016	<0.005	<0.005							
9/26/2016					<0.005	<0.005			
11/2/2016								<0.005	<0.005
11/3/2016							<0.005		
11/9/2016	0.0011 (J)	<0.005							
11/10/2016			<0.005	<0.005	<0.005				
11/11/2016						<0.005			
1/17/2017							<0.005		

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
1/18/2017								0.0014 (J)	<0.005
1/20/2017									
1/30/2017	<0.005				<0.005	<0.005			
1/31/2017		<0.005	<0.005	<0.005					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017							<0.005		
3/28/2017								<0.005 (*)	<0.005 (*)
3/29/2017									
3/30/2017	<0.005	<0.005		<0.005					
4/3/2017			<0.005				<0.005		
4/7/2017					<0.005				
5/24/2017									
6/6/2017								0.0009 (J)	0.0004 (J)
6/7/2017							<0.005		
6/8/2017									
6/9/2017	<0.005		<0.005						
6/12/2017		0.0008 (J)		<0.005	<0.005	0.0005 (J)			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								0.0006 (J)	0.0008 (J)
9/25/2017									
9/26/2017							<0.005		
9/27/2017									
9/29/2017									
10/2/2017	<0.005	<0.005	<0.005		<0.005	<0.005			
10/3/2017									
10/4/2017				<0.005					
3/14/2018							<0.005		<0.005
3/15/2018								0.0017 (J)	
3/16/2018	<0.005		<0.005		<0.005	<0.005			
3/19/2018		0.0031 (J)		<0.005					
3/21/2018									
9/12/2018								<0.005	<0.005
9/13/2018									
9/14/2018		<0.005	<0.005				<0.005		
9/17/2018	<0.005 (D)			<0.005	<0.005				
9/18/2018						<0.005			
3/13/2019								<0.005	<0.005
3/14/2019							<0.005		
3/15/2019									
3/19/2019			<0.005		<0.005	<0.005			
3/20/2019	<0.005	<0.005		<0.005					
3/21/2019									
9/9/2019									

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)
9/10/2019							<0.005		
9/11/2019								0.00066 (J)	0.00051 (J)
9/12/2019	<0.005	<0.005 (D)				<0.005			
9/13/2019			<0.005	0.00073 (J)	<0.005				
3/6/2020							0.00045 (J)		
3/9/2020								0.0014 (J)	0.0033 (J)
3/10/2020									
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)	0.00095 (J)	0.0011 (J)	<0.005			
3/12/2020									
9/10/2020							<0.005		
9/11/2020									<0.005
9/14/2020								0.0011 (J)	
9/15/2020	<0.005	0.00086 (J)	<0.005			<0.005			
9/16/2020					<0.005				
9/17/2020									
3/10/2021									
3/11/2021							<0.005	0.0011 (J)	<0.005
3/12/2021									
3/16/2021	<0.005		<0.005						
3/17/2021		<0.005			<0.005	<0.005			
3/29/2021				0.00062 (J)					
8/4/2021							<0.005		
8/5/2021								<0.005	
8/6/2021									<0.005
8/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
8/10/2021									
1/31/2022							<0.005	0.0011 (J)	<0.005
2/1/2022	<0.005	<0.005	<0.005		<0.005				
2/2/2022				0.0069		<0.005			
2/3/2022									
8/10/2022							<0.005	<0.005	
8/11/2022									<0.005
8/12/2022									
8/16/2022	<0.005	<0.005	<0.005	<0.005	<0.005				
8/17/2022						<0.005			
2/13/2023							<0.005	<0.005	
2/14/2023									0.0016 (J)
2/16/2023	<0.005	<0.005	<0.005		<0.005	<0.005			
2/17/2023				<0.005					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
8/23/2007						
10/23/2007						
10/24/2007						
11/2/2007						
11/18/2007						
1/30/2008						
1/31/2008						
3/10/2008						
3/11/2008						
5/6/2008						
5/13/2008						
5/14/2008						
12/4/2008						
12/5/2008						
12/12/2008						
4/15/2009						
4/21/2009						
4/23/2009						
10/6/2009						
10/7/2009						
10/8/2009						
4/21/2010						
4/26/2010						
4/27/2010						
4/28/2010						
5/3/2010						
9/28/2010						
9/30/2010						
10/4/2010						
10/6/2010						
10/11/2010						
10/12/2010						
4/12/2011						
4/13/2011						
4/14/2011						
4/21/2011						
4/27/2011						
10/4/2011						
10/5/2011						
10/13/2011						
10/17/2011						
10/19/2011						
4/3/2012						
4/11/2012						
5/1/2012						
5/2/2012						
10/2/2012						
10/8/2012						
10/9/2012						
4/9/2013						
4/10/2013						
4/11/2013						

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016							
3/14/2016	<0.005						
3/15/2016		<0.005	<0.005	<0.005			
3/16/2016					<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	<0.005	<0.005					
5/12/2016			<0.005				
5/13/2016				<0.005			
5/16/2016					<0.005 (D)	<0.005 (D)	
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	<0.005						
7/20/2016			<0.005				
7/21/2016		<0.005		<0.005			
7/22/2016							
7/25/2016					<0.005 (D)		
7/27/2016						0.0017 (JD)	
7/29/2016							
8/1/2016							
9/15/2016	<0.005	<0.005	<0.005				
9/16/2016							
9/19/2016					<0.005 (D)		
9/21/2016				<0.005			
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016	<0.005						
11/3/2016		<0.005	<0.005	<0.005	<0.005 (D)		
11/9/2016							
11/10/2016							
11/11/2016							
1/17/2017		<0.005		<0.005			

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
1/18/2017	<0.005		<0.005				
1/20/2017					<0.005 (D)		
1/30/2017							
1/31/2017							
2/21/2017						0.001 (J)	
2/22/2017							<0.005
3/24/2017		<0.005 (*)	<0.005 (*)				
3/27/2017				<0.005		<0.005 (D)	
3/28/2017	<0.005 (*)						
3/29/2017					<0.005 (D)		
3/30/2017							
4/3/2017							
4/7/2017							<0.005
5/24/2017		0.0008 (J)					
6/6/2017			<0.005	0.0004 (J)			
6/7/2017	<0.005				0.0004 (J)		
6/8/2017						<0.005 (D)	
6/9/2017							
6/12/2017							
6/14/2017							<0.005 (D)
7/12/2017							<0.005 (D)
7/17/2017						<0.005 (D)	
7/20/2017							<0.005 (D)
7/27/2017						0.0005 (J)	
7/28/2017							<0.005
8/9/2017						0.0005 (J)	<0.005
8/24/2017							<0.005
9/22/2017							
9/25/2017			<0.005	<0.005			
9/26/2017	<0.005	0.0005 (J)					
9/27/2017					<0.005		
9/29/2017						0.0006 (JD)	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018	<0.005	<0.005	<0.005	<0.005			
9/13/2018					<0.005		
9/14/2018						<0.005	
9/17/2018							
9/18/2018							<0.005
3/13/2019		<0.005					
3/14/2019			<0.005	<0.005	<0.005 (D)	0.004 (J)	
3/15/2019	<0.005						
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019	<0.005	<0.005					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWA-39RZ (bg)	GWA-4RZ (bg)
9/10/2019			<0.005 (D)	<0.005			
9/11/2019					<0.005 (D)		
9/12/2019							<0.005 (D)
9/13/2019							
3/6/2020			0.015				
3/9/2020	0.069 (o)	0.0009 (J)		0.0004 (J)		0.0016 (J)	
3/10/2020					0.00092 (J)		
3/11/2020							
3/12/2020							<0.005
9/10/2020	<0.005		<0.005	<0.005			
9/11/2020		<0.005			0.00067 (J)		
9/14/2020							
9/15/2020							
9/16/2020						0.00058 (J)	
9/17/2020							<0.005
3/10/2021		0.00075 (J)		<0.005			
3/11/2021			0.0015 (J)		<0.005		
3/12/2021	0.00064 (J)						
3/16/2021						0.0008 (J)	<0.005
3/17/2021							
3/29/2021							
8/4/2021	<0.005	<0.005	<0.005	<0.005			
8/5/2021							
8/6/2021					<0.005	<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	<0.005	<0.005	<0.005	<0.005			
2/1/2022					<0.005		
2/2/2022						0.0012 (J)	
2/3/2022							<0.005
8/10/2022	<0.005						
8/11/2022			<0.005	<0.005			
8/12/2022		<0.005			<0.005		
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	<0.005	<0.005	<0.005	<0.005			
2/14/2023					0.0058	<0.005	
2/16/2023							
2/17/2023							<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
8/23/2007	0.0066	0.0036	0.017	<0.005					
10/23/2007	0.0076								
10/24/2007		<0.005		0.0088					
11/2/2007			0.016						
11/18/2007	0.0055 (J)	0.013	0.048	0.0075					
1/30/2008	0.0094								
1/31/2008		0.0069	0.039	<0.005					
3/10/2008	0.0056	0.0044							
3/11/2008			0.037	0.0068					
5/6/2008				<0.005					
5/13/2008	0.0027	0.0033							
5/14/2008			0.051						
12/4/2008		<0.005		0.013					
12/5/2008	<0.005		0.038						
12/12/2008					0.018	0.064 (O)			
4/15/2009	<0.005		0.033						
4/21/2009		<0.005		<0.005					
4/23/2009					0.013	0.034			
10/6/2009					0.012	0.026			
10/7/2009	0.0076			<0.005					
10/8/2009		<0.005	0.037						
4/21/2010		<0.005							
4/26/2010				<0.005					
4/27/2010					0.0095				
4/28/2010			0.037						
5/3/2010	<0.005						0.014		
9/28/2010		<0.005							
9/30/2010					0.0087				
10/4/2010				0.0027					
10/6/2010			0.041						
10/11/2010							0.014		
10/12/2010	<0.005								
4/12/2011		<0.005							
4/13/2011				0.0029					
4/14/2011					0.0061				
4/21/2011			0.034						
4/27/2011	<0.005						0.028		
10/4/2011		<0.005							
10/5/2011				<0.005	<0.005				
10/13/2011			0.048						
10/17/2011	<0.005								
10/19/2011							<0.005		
4/3/2012		<0.005							
4/11/2012				<0.005	<0.005				
5/1/2012			0.0427				0.0198		
5/2/2012	<0.005								
10/2/2012					<0.005	0.011			
10/8/2012	<0.005								
10/9/2012		<0.005	0.038	<0.005					
4/9/2013					0.0053				
4/10/2013							0.018		
4/11/2013		<0.005	0.038						

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
4/12/2013	<0.005								
4/15/2013				<0.005					
10/15/2013				<0.005	0.0076				
10/16/2013	<0.005	<0.005	0.036			0.016			
4/10/2014		0.005 (J)			0.005				
4/11/2014	0.005 (J)								
4/22/2014				<0.005		0.014			
4/23/2014			0.03						
9/30/2014	<0.005	<0.005		<0.005					
10/1/2014					0.0047 (J)	0.0041 (J)			
10/4/2014			0.029						
3/30/2015	0.0033 (J)	<0.005		<0.005	0.0048 (J)	0.012			
3/31/2015			0.026						
10/11/2015					0.0055	0.0049 (J)			
10/12/2015			0.05						
10/13/2015	0.0013 (J)	<0.005		<0.005					
3/11/2016							<0.005	<0.005	<0.005
3/14/2016									
3/15/2016									
3/16/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	0.0297	<0.005					
3/28/2016					<0.005	0.00734 (J)			
5/11/2016									
5/12/2016									
5/13/2016							<0.005		<0.005
5/16/2016								<0.005	
7/19/2016							<0.005		<0.005
7/20/2016									
7/21/2016									
7/22/2016								<0.005	
7/25/2016									
7/27/2016									
7/29/2016	<0.005	0.0006 (J)	0.0419	0.0032 (J)					
8/1/2016					0.0025 (J)	0.0049 (J)			
9/15/2016									
9/16/2016							<0.005		<0.005
9/19/2016								0.003 (J)	
9/21/2016									
11/2/2016							<0.005		<0.005
11/3/2016								<0.005	
1/17/2017								<0.005	
1/18/2017							<0.005		<0.005
1/19/2017									
2/21/2017									
3/24/2017									
3/27/2017								<0.005	
3/28/2017							<0.005 (*)		<0.005 (*)
3/30/2017	0.0004 (J)		0.0392	<0.005					
4/3/2017		0.0004 (J)				0.0023 (J)			
4/7/2017					0.003 (J)				
9/22/2017							0.0006 (J)		0.0004 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
9/25/2017									
9/26/2017								<0.005	
9/29/2017									
10/2/2017	0.0003 (J)	0.0003 (J)		<0.005	0.0031 (J)	0.0023 (J)			
10/3/2017									
10/4/2017			0.0343						
3/14/2018								<0.005	<0.005
3/15/2018							<0.005		
3/16/2018	<0.005	<0.005			0.0037 (J)	0.0035 (J)			
3/19/2018			0.033	0.0025 (J)					
3/21/2018									
9/12/2018							<0.005		<0.005
9/14/2018		<0.005		<0.005				<0.005	
9/17/2018	<0.005 (D)		0.033		0.0028 (J)				
9/18/2018						0.0041 (J)			
3/13/2019							0.0015 (J)		<0.005
3/14/2019								<0.005	
3/15/2019									
3/19/2019		<0.005			0.0023 (J)	0.0029 (J)			
3/20/2019	<0.005		0.026	<0.005					
3/21/2019									
9/9/2019									
9/10/2019								<0.005	
9/11/2019							0.00026 (J)		0.00036 (J)
9/12/2019	<0.005			0.01273 (JD)		0.0028 (J)			
9/13/2019		0.00055 (J)	0.026		0.0023 (J)				
3/6/2020								0.00019 (J)	
3/9/2020							0.00035 (J)		0.00035 (J)
3/10/2020									
3/11/2020	<0.005	0.0011 (J)	0.027	0.0002 (J)	0.0026 (J)	0.0035 (J)			
3/12/2020									
9/10/2020								<0.005	
9/11/2020									<0.005
9/14/2020							<0.005		
9/15/2020	<0.005	<0.005		<0.005		0.0031 (J)			
9/16/2020					0.0018 (J)				
9/17/2020									
3/10/2021									
3/11/2021							<0.005	<0.005	<0.005
3/12/2021									
3/16/2021	<0.005	<0.005							
3/17/2021				<0.005	0.0019 (J)	0.0024 (J)			
3/29/2021			<0.005						
8/4/2021								<0.005	
8/5/2021							<0.005		
8/6/2021									<0.005
8/9/2021	<0.005	0.0013 (J)	<0.005	<0.005	0.0017 (J)	0.0028 (J)			
8/10/2021									
1/31/2022							<0.005	<0.005	0.0014 (J)
2/1/2022	<0.005	0.00096 (J)		<0.005	0.0017 (J)				
2/2/2022			<0.005			0.0033 (J)			
2/3/2022									

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)
8/10/2022							<0.005	<0.005	
8/11/2022									<0.005
8/12/2022									
8/15/2022									
8/16/2022	<0.005	<0.005	<0.005	<0.005	0.0014 (J)				
8/17/2022						0.0098			
2/13/2023							<0.005	<0.005	
2/14/2023									<0.005
2/16/2023	<0.005	0.0011 (J)		<0.005	0.0015 (J)	0.0028 (J)			
2/17/2023			<0.005						

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-39Z (bg) GWA-41R (bg) GWA-41 (bg) GWA-40 (bg) GWC-44 GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016							
3/14/2016	<0.005						
3/15/2016		<0.005	<0.005	<0.005			
3/16/2016					<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	<0.005			<0.005			
5/12/2016			<0.005				
5/13/2016		<0.005					
5/16/2016					<0.005	<0.005	
7/19/2016	0.0005 (J)						
7/20/2016			<0.005				
7/21/2016		0.0005 (J)		<0.005			
7/22/2016							
7/25/2016					0.0005 (J)		
7/27/2016						0.0271 (o)	
7/29/2016							
8/1/2016							
9/15/2016	<0.005		0.0007 (J)	<0.005			
9/16/2016							
9/19/2016					<0.005		
9/21/2016		<0.005					
11/2/2016	<0.005						
11/3/2016		<0.005	<0.005	<0.005	<0.005		
1/17/2017		<0.005		<0.005			
1/18/2017	<0.005		<0.005				
1/19/2017					<0.005		
2/21/2017						<0.005	
3/24/2017			<0.005	<0.005			
3/27/2017		<0.005				<0.005	
3/28/2017	<0.005 (*)				<0.005 (*)		
3/30/2017							
4/3/2017							
4/7/2017							0.0004 (J)
9/22/2017							

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
9/25/2017		0.0007 (J)	0.0003 (J)				
9/26/2017	0.0005 (J)			<0.005	0.0006 (J)		
9/29/2017						<0.005	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	<0.005	0.0021 (J)	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						0.002 (J)	
9/17/2018							
9/18/2018							<0.005
3/13/2019				<0.005			
3/14/2019		0.0022 (J)	<0.005		<0.005	<0.005	
3/15/2019	<0.005						
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019	<0.005			0.0022 (J)			
9/10/2019		0.0022 (J)	0.00038 (JD)				
9/11/2019					0.00043 (J)		
9/12/2019							0.00045 (JD)
9/13/2019							
3/6/2020			0.00093 (J)				
3/9/2020	0.0007 (J)	0.0014 (J)		<0.005		0.011 (J)	
3/10/2020					0.00067 (J)		
3/11/2020							
3/12/2020							0.0002 (J)
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020							
9/15/2020					<0.005		
9/16/2020						<0.005	
9/17/2020							<0.005
3/10/2021		<0.005		<0.005			
3/11/2021			<0.005		<0.005		
3/12/2021	<0.005						
3/16/2021						<0.005	<0.005
3/17/2021							
3/29/2021							
8/4/2021	<0.005	0.0008 (J)	<0.005	<0.005	0.0006 (J)		
8/5/2021							
8/6/2021						<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	<0.005	0.0028 (J)	<0.005	<0.005	0.00053 (J)		
2/1/2022							
2/2/2022						<0.005	
2/3/2022							<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-44	GWA-39RZ (bg)	GWA-4RZ (bg)
8/10/2022	<0.005						
8/11/2022		<0.005	<0.005				
8/12/2022				<0.005			
8/15/2022					<0.005		
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	<0.005	0.0012 (J)	<0.005	<0.005			
2/14/2023					0.0054	<0.005	
2/16/2023							
2/17/2023							<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.005	<0.005	<0.005	0.028					
10/23/2007	0.0096								
10/24/2007		0.0025	0.026 (O)						
11/2/2007				0.041					
11/18/2007	0.023	0.0093	0.043 (O)	0.14 (O)					
1/30/2008	0.11 (O)								
1/31/2008		0.054 (O)	0.0075	0.053					
3/10/2008	0.024	0.0054							
3/11/2008			0.019	0.076 (o)					
5/6/2008			0.004						
5/13/2008	0.006	0.0043							
5/14/2008				0.074 (o)					
12/4/2008		<0.005	0.02						
12/5/2008	<0.005			0.032					
12/12/2008					0.0096	0.0035			
4/15/2009	<0.005			0.028					
4/21/2009		<0.005	<0.005						
4/23/2009					0.015	0.0032			
10/6/2009					0.008	<0.005			
10/7/2009	0.0096		<0.005						
10/8/2009		<0.005		0.032					
4/21/2010		<0.005							
4/26/2010			<0.005						
4/27/2010								<0.005	
4/28/2010				0.029					
5/3/2010	<0.005				0.0053				
9/28/2010		<0.005							
9/30/2010								<0.005	
10/4/2010			0.0025						
10/6/2010				0.031					
10/11/2010					0.0061				
10/12/2010	<0.005								
4/12/2011		<0.005							
4/13/2011			<0.005						
4/14/2011								0.0028	
4/21/2011				0.019					
4/27/2011	<0.005				0.0087				
10/4/2011		<0.005							
10/5/2011			<0.005					0.0028	
10/13/2011				0.028					
10/17/2011	<0.005								
10/19/2011					0.0039				
4/3/2012		<0.005							
4/11/2012			<0.005					<0.005	
5/1/2012				0.0253	0.0054				
5/2/2012	<0.005								
10/2/2012					0.0044	0.0026			
10/8/2012	<0.005								
10/9/2012		<0.005	<0.005	0.023					
4/9/2013								<0.005	
4/10/2013					0.0053				
4/11/2013		<0.005		0.021					

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	<0.005								
4/15/2013			<0.005						
10/15/2013			0.0028			<0.005			
10/16/2013	<0.005	<0.005		0.018	0.0047				
4/10/2014		<0.005				0.0025 (J)			
4/11/2014	<0.005								
4/22/2014			<0.005		0.0045				
4/23/2014				0.015					
9/30/2014	<0.005	<0.005	<0.005						
10/1/2014					0.0018 (J)	<0.005			
10/4/2014				0.017					
3/30/2015	0.004	<0.005	0.0018 (J)		0.0037	0.0015 (J)			
3/31/2015				0.045					
10/11/2015					0.0018 (J)	0.0013 (J)			
10/12/2015				0.019					
10/13/2015	<0.005	<0.005	<0.005						
3/10/2016							0.00432 (J)		
3/11/2016								<0.005	0.00288 (J)
3/14/2016									
3/15/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005	0.019					
3/28/2016					0.0028 (J)	<0.005			
5/11/2016									
5/12/2016									
5/13/2016								<0.005	<0.005
5/16/2016									
5/17/2016							0.00489 (J)		
7/19/2016								<0.005	0.0006 (J)
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016							0.0036 (J)		
7/29/2016	<0.005	<0.005	<0.005	0.0161					
8/1/2016					<0.005	<0.005			
9/15/2016									
9/16/2016								<0.005	0.0008 (J)
9/19/2016									
9/20/2016							0.0035 (J)		
9/21/2016									
11/2/2016								<0.005	0.0007 (J)
11/3/2016									
11/4/2016							0.0035 (J)		
1/17/2017									
1/18/2017								0.0006 (J)	0.0006 (J)
1/23/2017							<0.005		
2/21/2017									
3/24/2017									
3/27/2017									
3/28/2017							0.0033 (J)	<0.005 (*)	<0.005 (*)
3/30/2017	0.0004 (J)		0.0006 (J)	0.018					
4/3/2017		<0.005			0.0022 (J)				

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/7/2017						0.0011 (J)			
9/22/2017								<0.005	0.0007 (J)
9/25/2017									
9/26/2017									
9/29/2017							0.0036 (J)		
10/2/2017	<0.005	<0.005	<0.005		0.0021 (J)	0.0013 (J)			
10/3/2017									
10/4/2017				0.0158					
3/14/2018									<0.005
3/15/2018							0.0033 (J)	<0.005	
3/16/2018	<0.005	<0.005			0.0014 (J)	<0.005			
3/19/2018			<0.005	0.015					
3/21/2018									
9/12/2018								<0.005	<0.005
9/13/2018							0.0038 (J)		
9/14/2018		<0.005	<0.005						
9/17/2018	<0.005 (D)			0.014		0.00096 (J)			
9/18/2018					0.0012 (J)				
3/13/2019								<0.005	<0.005
3/14/2019									
3/15/2019							0.0033 (J)		
3/19/2019		<0.005			0.0016 (J)	<0.005			
3/20/2019	<0.005		<0.005	0.01					
3/21/2019									
9/9/2019									
9/10/2019									
9/11/2019							0.00405 (JD)	<0.005	0.00082 (J)
9/12/2019	0.00038 (J)		0.00518 (JD)		0.0015 (J)				
9/13/2019		<0.005		0.012		0.00063 (J)			
3/6/2020									
3/9/2020							0.0039 (J)	<0.005	0.00082 (J)
3/11/2020	0.00068 (J)	0.002 (J)	0.0014 (J)	0.012	0.001 (J)	0.00084 (J)			
3/12/2020									
9/10/2020									
9/11/2020									0.00089 (J)
9/14/2020							0.0046 (J)	<0.005	
9/15/2020	<0.005	0.0013 (J)	<0.005		0.0012 (J)				
9/16/2020						<0.005			
9/17/2020									
3/10/2021									
3/11/2021							0.0047 (J)	<0.005	<0.005
3/12/2021									
3/16/2021	<0.005	<0.005							
3/17/2021			<0.005		0.0012 (J)	<0.005			
3/29/2021				<0.005					
8/4/2021							0.0045 (J)		
8/5/2021								<0.005	
8/6/2021									0.00084 (J)
8/9/2021	<0.005	0.00081 (J)	<0.005	<0.005	0.00097 (J)	0.00077 (J)			
8/10/2021									
1/31/2022							0.0052	<0.005	0.00077 (J)
2/1/2022	<0.005	<0.005	<0.005			0.0008 (J)			

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
2/2/2022				<0.005	0.00089 (J)				
2/3/2022									
8/10/2022								<0.005	
8/11/2022									<0.005
8/12/2022									
8/15/2022							0.0056		
8/16/2022	<0.005	<0.005	<0.005	<0.005		0.00071 (J)			
8/17/2022					0.0011 (J)				
2/13/2023								<0.005	
2/14/2023							0.0058		<0.005
2/16/2023	<0.005	<0.005	<0.005		0.00081 (J)	0.00082 (J)			
2/17/2023				<0.005					

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-42 (bg) GWA-39Z (bg) GWA-41R (bg) GWA-41 (bg) GWA-40 (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.005						
3/14/2016		0.00544 (J)					
3/15/2016			<0.005	<0.005	<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		0.0149			<0.005		
5/12/2016				<0.005			
5/13/2016			<0.005				
5/16/2016	0.00233 (J)					0.0136 (D)	
5/17/2016							
7/19/2016		0.0044 (J)					
7/20/2016				0.0006 (J)			
7/21/2016			0.0009 (J)		<0.005		
7/22/2016	0.0014 (J)						
7/27/2016						0.0224 (D)	
7/29/2016							
8/1/2016							
9/15/2016		0.0047 (J)		0.0009 (J)	<0.005		
9/16/2016							
9/19/2016	0.0014 (J)						
9/20/2016							
9/21/2016			<0.005				
11/2/2016		0.0025 (J)					
11/3/2016	0.0013 (J)		<0.005	0.0011 (J)	<0.005		
11/4/2016							
1/17/2017	0.0011 (J)		<0.005		<0.005		
1/18/2017		0.004 (J)		0.0007 (J)			
1/23/2017							
2/21/2017						0.0007 (J)	
3/24/2017				<0.005 (*)	<0.005 (*)		
3/27/2017	<0.005 (*)		<0.005 (*)			<0.005 (D)	
3/28/2017		0.0034 (J)					
3/30/2017							
4/3/2017							

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/7/2017							<0.005
9/22/2017							
9/25/2017			0.0012 (J)	<0.005			
9/26/2017	0.0011 (J)	0.0016 (J)			<0.005		
9/29/2017						<0.005 (D)	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	0.0012 (J)	<0.005	0.0014 (J)	<0.005	<0.005		
3/15/2018							
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018		<0.005	0.0011 (J)	<0.005	<0.005		
9/13/2018							
9/14/2018	0.0012 (J)					<0.005	
9/17/2018							
9/18/2018							<0.005
3/13/2019					<0.005		
3/14/2019	0.0015 (J)		0.001 (J)	<0.005		0.0017 (J)	
3/15/2019		<0.005					
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019		0.0014 (J)			<0.005		
9/10/2019	0.0012 (J)		0.00084 (J)	0.0004 (JD)			
9/11/2019							
9/12/2019							0.00032 (JD)
9/13/2019							
3/6/2020	0.0015 (J)			0.0089 (J)			
3/9/2020		0.04 (o)	0.00036 (J)		<0.005	0.00083 (J)	
3/11/2020							
3/12/2020							0.00034 (J)
9/10/2020	0.0011 (J)	<0.005	<0.005	<0.005			
9/11/2020					<0.005		
9/14/2020							
9/15/2020							
9/16/2020						<0.005	
9/17/2020							<0.005
3/10/2021			<0.005		<0.005		
3/11/2021	0.0011 (J)			<0.005			
3/12/2021		0.0015 (J)					
3/16/2021						<0.005	<0.005
3/17/2021							
3/29/2021							
8/4/2021	0.0011 (J)	<0.005	<0.005	<0.005	<0.005		
8/5/2021							
8/6/2021						<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	0.0011 (J)	<0.005	0.00091 (J)	<0.005	<0.005		
2/1/2022							

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/27/2023 2:29 PM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
2/2/2022						<0.005	
2/3/2022							<0.005
8/10/2022	0.0016 (J)	<0.005					
8/11/2022			<0.005	0.00083 (J)			
8/12/2022					<0.005		
8/15/2022							
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	0.0013 (J)	0.00095 (J)	<0.005	<0.005	<0.005		
2/14/2023						<0.005	
2/16/2023							
2/17/2023							<0.005

FIGURE F.

Appendix I Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	2/14/2023	0.00064	Yes	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

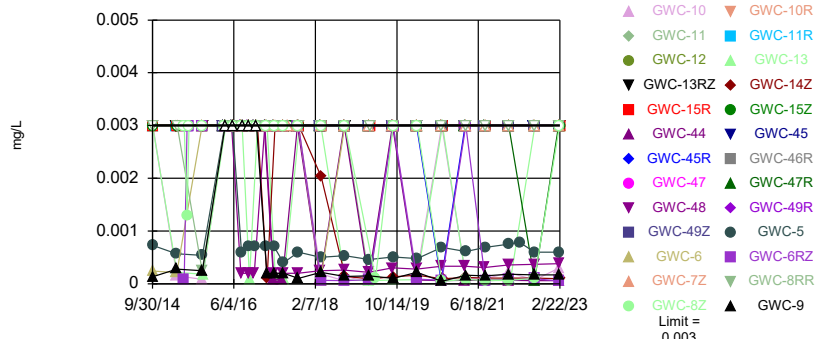
Appendix I Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 2:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-10	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-14Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15Z	0.001	n/a	2/22/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-44	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-46R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-48	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49R	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49Z	0.001	n/a	2/14/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-5	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.001	n/a	2/17/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-7Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8RR	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8Z	0.001	n/a	2/20/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	2/21/2023	0.001ND	No	305	n/a	n/a	95.74	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit Interwell Non-parametric

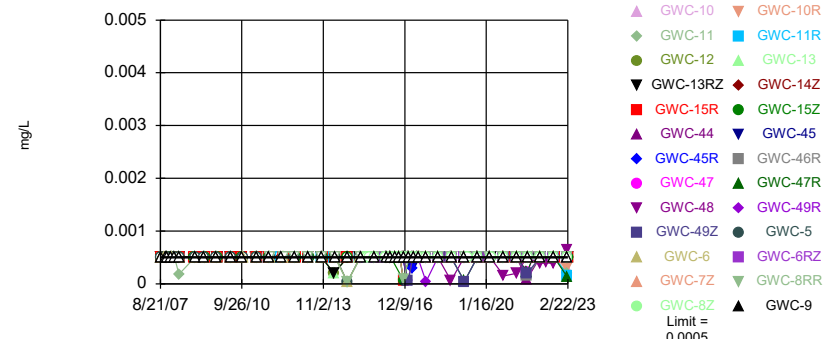


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 315 background values. 91.43% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Beryllium Analysis Run 3/27/2023 2:30 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit: GWC-48

Prediction Limit Interwell Non-parametric

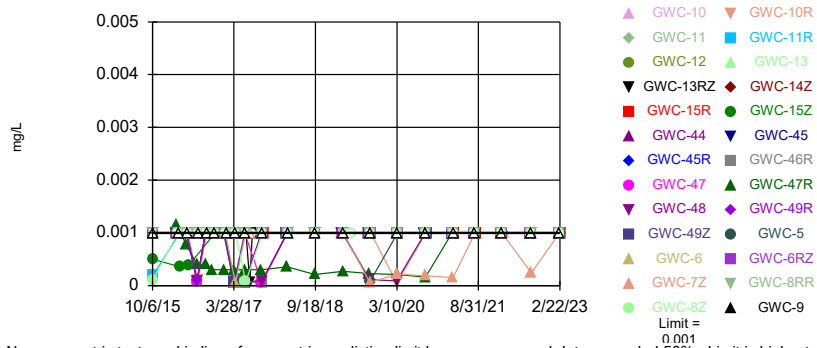


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 412 background values. 95.39% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Mercury Analysis Run 3/27/2023 2:30 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 305 background values. 95.74% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Thallium Analysis Run 3/27/2023 2:30 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
9/30/2014	<0.003	<0.003	<0.003	<0.003	0.00013 (J)	<0.003	<0.003		
10/1/2014								<0.003	<0.003
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015	0.00029 (J)			<0.003		<0.003		<0.003	
3/31/2015									<0.003
4/1/2015									
4/2/2015					0.00028 (J)				
4/3/2015		<0.003	<0.003				<0.003		
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015			<0.003						
10/7/2015		<0.003					<0.003		
10/8/2015									
10/9/2015									
10/10/2015					0.000245 (JD)				
10/11/2015								<0.003	
10/12/2015									
10/13/2015	<0.003			<0.003		<0.003			
10/14/2015									<0.003
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016	<0.003								
3/23/2016				<0.003		<0.003			
3/28/2016								<0.003	
3/29/2016									
3/30/2016					<0.003				
3/31/2016									
4/4/2016									<0.003
4/5/2016		<0.003	<0.003				<0.003		
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.003			<0.003					
5/20/2016						<0.003			
5/23/2016								<0.003	
5/24/2016									
5/25/2016									
5/26/2016					<0.003				
5/27/2016									
5/31/2016		<0.003	<0.003						
6/1/2016							<0.003		<0.003 (D)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.003			<0.003		<0.003			
8/1/2016								<0.003	
8/2/2016									
8/3/2016									
8/4/2016		<0.003							
8/5/2016					<0.003				
8/9/2016							<0.003		
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016				<0.003					
9/23/2016	<0.003					<0.003			
9/26/2016								<0.003	
9/27/2016									
9/28/2016					<0.003				
9/29/2016		<0.003							
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	<0.003					<0.003			
11/10/2016				<0.003				<0.003	
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016					<0.003				
11/22/2016									
11/23/2016		<0.003	<0.003						
11/28/2016							<0.003		
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017	<0.003							<0.003	
1/31/2017				<0.003		<0.003			
2/1/2017									
2/3/2017									
2/6/2017					0.0002 (J)				
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
2/8/2017									
2/9/2017							0.0001 (J)		
2/10/2017		<0.003	<0.003						
2/13/2017									
2/21/2017									
2/22/2017									<0.003
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	<0.003					<0.003			
4/3/2017				<0.003					
4/6/2017					0.0002 (J)				
4/7/2017								<0.003	
4/10/2017									
4/11/2017			<0.003				<0.003		<0.003
4/12/2017		<0.003							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.003			<0.003					
6/12/2017						<0.003		<0.003	
6/13/2017					0.0002 (J)				
6/14/2017							<0.003		
6/15/2017		<0.003	<0.003						
6/16/2017									<0.003
7/12/2017			<0.003				<0.003		<0.003
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017			<0.003						
7/27/2017									
7/28/2017									<0.003
8/9/2017									
8/10/2017									<0.003
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.003			<0.003		<0.003		<0.003	
10/3/2017					0.0001 (J)				
10/4/2017									
10/5/2017							<0.003		
10/6/2017		<0.003	<0.003						<0.003
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018	<0.003			<0.003				<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
3/19/2018						<0.003			
3/20/2018					0.00022 (J)				
3/21/2018									
3/22/2018							0.00203 (JD)		
3/23/2018		<0.003	<0.003						<0.003
9/12/2018									
9/13/2018									
9/14/2018				<0.003		<0.003			
9/17/2018	<0.003 (D)							<0.003	
9/18/2018					0.00014 (JD)				
9/19/2018		<0.003	<0.003				0.00014 (J)		
9/20/2018									<0.003
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019				<0.003				<0.003	
3/20/2019	<0.003					<0.003			
3/21/2019					0.00015 (J)				
3/22/2019			<0.003				9.4E-05 (J)		<0.003
3/23/2019									
3/25/2019		<0.003							
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019	<0.003					<0.003 (D)			
9/13/2019				<0.003				<0.003	
9/16/2019					0.0001 (J)				
9/17/2019		<0.003	<0.003				0.00013 (X)		
9/18/2019									<0.003
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.003			<0.003		<0.003		<0.003	
3/12/2020					0.00022 (J)				
3/13/2020		<0.003	<0.003				0.00016 (J)		
3/16/2020									
3/17/2020									<0.003
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.003			<0.003		<0.003			
9/16/2020								<0.003	
9/17/2020					4.8E-05 (J)				
9/21/2020		<0.003	<0.003				9.5E-05 (J)		
9/22/2020									<0.003
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-15R	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-14Z	GWA-50 (bg)	GWC-13RZ
3/16/2021	<0.003			<0.003					
3/17/2021						<0.003		<0.003	
3/18/2021		<0.003	<0.003		0.00016 (J)		0.00012 (J)		
3/19/2021									<0.003
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.003			<0.003		<0.003		<0.003	
8/10/2021					0.00015 (J)				
8/11/2021		<0.003	<0.003				0.00011 (J)		
8/12/2021									<0.003
1/31/2022									
2/1/2022	<0.003			<0.003		<0.003		<0.003	
2/2/2022					0.00018 (J)				
2/3/2022									
2/4/2022		<0.003					0.00011 (J)		<0.003
2/7/2022			<0.003						
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.003			<0.003		<0.003		<0.003	
8/17/2022					0.00017 (J)				
8/18/2022							0.00011 (J)		
8/19/2022		<0.003	<0.003						<0.003
2/13/2023									
2/14/2023									
2/16/2023	<0.003			<0.003		<0.003		<0.003	
2/17/2023									
2/20/2023									
2/21/2023					0.00017 (J)				
2/22/2023		<0.003	<0.003				9.4E-05 (J)		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
9/30/2014									
10/1/2014	<0.003	<0.003							
10/2/2014			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
10/3/2014									0.00073 (J)
10/4/2014									
3/30/2015	0.0002 (J)								
3/31/2015									0.00057 (J)
4/1/2015		0.00022 (J)	<0.003			<0.003	<0.003		
4/2/2015					<0.003			0.00015 (J)	
4/3/2015				<0.003					
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015									
10/7/2015									
10/8/2015				0.00025 (J)					
10/9/2015									
10/10/2015								8.5E-05 (J)	
10/11/2015	<0.003		<0.003			<0.003			
10/12/2015					<0.003				0.00054 (J)
10/13/2015									
10/14/2015							<0.003		
10/15/2015		0.00018 (J)							
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016	<0.003								<0.003
3/29/2016									
3/30/2016				<0.003					
3/31/2016					<0.003			<0.003	
4/4/2016		<0.003	<0.003			<0.003	<0.003		
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016				<0.003					
5/25/2016	<0.003								<0.003
5/26/2016			<0.003		<0.003	<0.003		<0.003	
5/27/2016							<0.003		
5/31/2016		<0.003							
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016	<0.003								0.0006 (J)
8/2/2016				<0.003					
8/3/2016			<0.003		<0.003		<0.003		
8/4/2016		<0.003				<0.003			
8/5/2016								<0.003	
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016	<0.003								
9/27/2016				<0.003					0.0007 (J)
9/28/2016			<0.003		<0.003	<0.003		<0.003	
9/29/2016		9E-05 (J)							
9/30/2016							<0.003		
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016	<0.003								0.0007 (J)
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
11/23/2016									
11/28/2016		<0.003							
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017	<0.003								
1/31/2017									0.0007 (J)
2/1/2017									
2/3/2017									
2/6/2017				<0.003					
2/7/2017					<0.003			<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:33 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
2/8/2017			<0.003			<0.003			
2/9/2017		<0.003							
2/10/2017									
2/13/2017							<0.003		
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017	<0.003								0.0007 (J)
4/6/2017				<0.003					
4/7/2017									
4/10/2017			<0.003		<0.003	<0.003		<0.003	
4/11/2017							<0.003		
4/12/2017		0.0001 (J)							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017	<0.003								0.0004 (J)
6/13/2017									
6/14/2017				<0.003	<0.003		<0.003	<0.003	
6/15/2017			<0.003			<0.003			
6/16/2017		9E-05 (J)							
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.003								
10/3/2017									0.0006 (J)
10/4/2017			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2017									
10/6/2017									
10/9/2017		<0.003							
3/14/2018									
3/15/2018									
3/16/2018	<0.003								

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
3/19/2018									0.0005 (J)
3/20/2018								0.00019 (J)	
3/21/2018		<0.003	<0.003	<0.003	<0.003				
3/22/2018						<0.003	<0.003		
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018									0.00053 (J)
9/18/2018	<0.003		<0.003	<0.003	<0.003	<0.003	<0.003	5.4E-05 (J)	
9/19/2018		7E-05 (J)							
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019	<0.003								
3/20/2019									0.00046 (J)
3/21/2019									
3/22/2019					<0.003			0.00018 (J)	
3/23/2019		6.1E-05 (J)	5.7E-05 (J)			<0.003	<0.003		
3/25/2019									
3/27/2019				<0.003					
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019	<0.003								
9/13/2019									
9/16/2019				<0.003 (D)					0.00051 (J)
9/17/2019			<0.003		<0.003	<0.003	<0.003 (D)	<0.003	
9/18/2019		7.4E-05 (J)							
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.003								
3/12/2020			<0.003	<0.003	<0.003	<0.003	<0.003	0.00017 (J)	
3/13/2020		8E-05 (J)							
3/16/2020									0.00048 (J)
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	8.5E-05 (J)								
9/16/2020									0.00069 (J)
9/17/2020				<0.003	<0.003			<0.003	
9/21/2020			<0.003			<0.003	<0.003		
9/22/2020		<0.003							
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-13	GWC-11	GWC-8RR	GWC-10R	GWC-11R	GWC-12	GWC-10	GWC-5
3/16/2021									
3/17/2021	<0.003			<0.003					0.00061
3/18/2021		7E-05 (J)			<0.003			0.0001 (J)	
3/19/2021			<0.003			<0.003	<0.003		
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.003								0.00069
8/10/2021				<0.003				9.4E-05 (J)	
8/11/2021		7.4E-05 (J)	<0.003		<0.003	<0.003	<0.003		
8/12/2021									
1/31/2022									
2/1/2022									
2/2/2022	5.5E-05 (J)			<0.003			<0.003		0.00075
2/3/2022									
2/4/2022			<0.003		<0.003	<0.003		0.00021 (J)	
2/7/2022									
2/17/2022		8.9E-05 (J)							
4/28/2022									0.00078
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									0.0006
8/17/2022	<0.003			<0.003				7E-05 (J)	
8/18/2022		<0.003	<0.003		<0.003	<0.003	<0.003		
8/19/2022									
2/13/2023									
2/14/2023									
2/16/2023	<0.003								
2/17/2023									
2/20/2023			<0.003		<0.003	<0.003		0.0003 (J)	0.0006
2/21/2023				<0.003			<0.003		
2/22/2023		<0.003							

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014	0.00024 (J)								
10/4/2014		<0.003							
3/30/2015									
3/31/2015		<0.003							
4/1/2015	0.00021 (J)								
4/2/2015									
4/3/2015									
5/26/2015			<0.003	8.8E-05 (J)					
6/18/2015			0.0013 (D)	<0.003 (D)					
7/2/2015			<0.003	<0.003					
10/6/2015									
10/7/2015									
10/8/2015			<0.003						
10/9/2015	<0.003			<0.003					
10/10/2015									
10/11/2015									
10/12/2015		<0.003							
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016					<0.003	<0.003	<0.003	<0.003	
3/11/2016									<0.003
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016			<0.003						
3/23/2016		<0.003							
3/28/2016									
3/29/2016	<0.003			<0.003					
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									<0.003
5/16/2016									
5/17/2016					<0.003		<0.003		
5/18/2016						<0.003		<0.003	
5/19/2016									
5/20/2016									
5/23/2016		<0.003							
5/24/2016	<0.003			<0.003					
5/25/2016			<0.003						
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
7/19/2016									<0.003
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016					<0.003				
7/27/2016						<0.003	0.0002 (J)	<0.003	
7/28/2016									
7/29/2016		<0.003							
8/1/2016	<0.003			<0.003					
8/2/2016			<0.003						
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									<0.003
9/19/2016									
9/20/2016					<0.003	<0.003	0.0002 (J)	<0.003	
9/21/2016									
9/22/2016		<0.003							
9/23/2016									
9/26/2016	<0.003		<0.003	<0.003					
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									<0.003
11/3/2016									
11/4/2016					<0.003		0.0002 (J)	<0.003	
11/7/2016						<0.003			
11/9/2016									
11/10/2016		<0.003							
11/11/2016									
11/14/2016				<0.003					
11/18/2016	<0.003								
11/21/2016			<0.003						
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									<0.003
1/19/2017									
1/20/2017					<0.003			<0.003	
1/23/2017						<0.003	<0.003		
1/24/2017									
1/30/2017									
1/31/2017		<0.003							
2/1/2017	<0.003			<0.003					
2/3/2017			<0.003						
2/6/2017									
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017					<0.003		0.0002 (J)		<0.003
3/29/2017						<0.003		<0.003	
3/30/2017		<0.003							
4/3/2017									
4/6/2017	<0.003			<0.003					
4/7/2017			<0.003						
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									<0.003
6/7/2017					<0.003				
6/8/2017						<0.003	0.0002 (J)	<0.003	
6/9/2017									
6/12/2017		<0.003							
6/13/2017	<0.003		<0.003	<0.003					
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									<0.003
9/25/2017									
9/26/2017									
9/27/2017						<0.003		<0.003	
9/29/2017					<0.003		0.0002 (J)		
10/2/2017									
10/3/2017	<0.003		<0.003	<0.003					
10/4/2017		<0.003							
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									<0.003
3/15/2018					<0.003	<0.003	0.00025 (J)		
3/16/2018								<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
3/19/2018	6.6E-05 (J)	<0.003							
3/20/2018			<0.003	6.8E-05 (J)					
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018									<0.003
9/13/2018					<0.003	<0.003	0.00026 (J)	<0.003	
9/14/2018									
9/17/2018	<0.003	<0.003		5.8E-05 (J)					
9/18/2018			<0.003						
9/19/2018									
9/20/2018									
3/13/2019									<0.003
3/14/2019									
3/15/2019						<0.003	0.00022 (J)		
3/18/2019					<0.003				
3/19/2019								<0.003	
3/20/2019		<0.003							
3/21/2019	<0.003			7.6E-05 (J)					
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019			0.0001 (J)						
9/9/2019									
9/10/2019									
9/11/2019					<0.003		0.0003 (JD)	<0.003	<0.003
9/12/2019						<0.003			
9/13/2019		<0.003							
9/16/2019	<0.003		<0.003	<0.003					
9/17/2019									
9/18/2019									
3/6/2020									
3/9/2020						<0.003	0.00028 (J)	<0.003	<0.003
3/10/2020					<0.003				
3/11/2020		<0.003							
3/12/2020	<0.003			9.3E-05 (J)					
3/13/2020									
3/16/2020			<0.003						
3/17/2020									
9/10/2020									
9/11/2020									6.9E-05 (J)
9/14/2020					<0.003	<0.003	0.00033 (J)		
9/15/2020								<0.003	
9/16/2020	<0.003			6.7E-05 (J)					
9/17/2020			4.9E-05 (J)						
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021					<0.003	<0.003	0.00033 (J)	<0.003	<0.003
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWA-3A (bg)	GWC-8Z	GWC-6RZ	GWC-46R	GWC-47	GWC-48	GWC-47R	GWA-43 (bg)
3/16/2021									
3/17/2021	<0.003			<0.003					
3/18/2021			8.5E-05 (J)						
3/19/2021									
3/29/2021		<0.003							
8/4/2021							0.00031 (J)		
8/5/2021					<0.003	<0.003		<0.003	
8/6/2021									<0.003
8/9/2021		<0.003							
8/10/2021	<0.003		6.2E-05 (J)	6.1E-05 (J)					
8/11/2021									
8/12/2021									
1/31/2022					<0.003		0.00036 (J)		<0.003
2/1/2022						<0.003		<0.003	
2/2/2022	<0.003	<0.003	6.4E-05 (J)	7E-05 (J)					
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									7.6E-05 (J)
8/12/2022									
8/15/2022					<0.003	<0.003	0.00037 (J)	6.5E-05 (J)	
8/16/2022		<0.003							
8/17/2022	<0.003		0.0001 (J)	9.8E-05 (J)					
8/18/2022									
8/19/2022									
2/13/2023									
2/14/2023					<0.003	<0.003	0.00038 (J)	<0.003	<0.003
2/16/2023									
2/17/2023	<0.003	<0.003		5.4E-05 (J)					
2/20/2023			<0.003						
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015									
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.003	<0.003							
3/14/2016			<0.003						
3/15/2016				<0.003	<0.003	<0.003			
3/16/2016							<0.003	<0.003	<0.003
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016			<0.003		<0.003				
5/12/2016				<0.003					
5/13/2016	<0.003					<0.003			
5/16/2016		<0.003 (O)					<0.003 (D)	<0.003	<0.003 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
7/19/2016	<0.003		<0.003						
7/20/2016				<0.003					
7/21/2016					<0.003	<0.003			
7/22/2016		0.0002 (J)							
7/25/2016							<0.003 (D)	<0.003	<0.003 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.003	<0.003	<0.003				
9/16/2016	<0.003								
9/19/2016		0.0001 (J)					<0.003 (D)	<0.003	<0.003 (D)
9/20/2016									
9/21/2016						<0.003			
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.003		<0.003						
11/3/2016		0.0002 (J)		<0.003	<0.003	<0.003		<0.003	<0.003 (D)
11/4/2016							<0.003 (D)		
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017		0.0001 (J)			<0.003	<0.003			
1/18/2017	<0.003		<0.003	<0.003					
1/19/2017								<0.003	
1/20/2017									<0.003 (D)
1/23/2017							<0.003 (D)		
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017				<0.003	<0.003				
3/27/2017		0.0001 (J)				<0.003			
3/28/2017	<0.003		<0.003					8E-05 (J)	
3/29/2017							<0.003 (D)		<0.003 (D)
3/30/2017									
4/3/2017									
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017					<0.003				
6/5/2017								9E-05 (J)	
6/6/2017	<0.003			<0.003		<0.003			
6/7/2017		0.0001 (J)	<0.003				<0.003		<0.003
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.003								
9/25/2017				<0.003		<0.003			
9/26/2017		0.0001 (J)	<0.003		<0.003			<0.003	
9/27/2017							<0.003		<0.003
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018		0.00014 (J)	<0.003	<0.003	<0.003	<0.003			
3/15/2018	5.1E-05 (J)						<0.003	7.7E-05 (J)	<0.003
3/16/2018									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.003		<0.003	<0.003	<0.003	<0.003		<0.003	
9/13/2018							<0.003		<0.003
9/14/2018		0.00012 (J)							
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019	<0.003				<0.003				
3/14/2019		0.00017 (J)		<0.003		5.2E-05 (J)	<0.003 (D)	7.8E-05 (J)	<0.003 (D)
3/15/2019			<0.003						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.003		<0.003				
9/10/2019		0.00015 (J)		<0.003 (D)		<0.003			
9/11/2019	<0.003						<0.003 (D)	<0.003	<0.003 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020		0.00017 (J)		<0.003					
3/9/2020	<0.003		<0.003		<0.003	<0.003			
3/10/2020							<0.003	7.4E-05 (J)	<0.003
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020		0.00014 (J)	<0.003	<0.003		<0.003			
9/11/2020					<0.003		<0.003		5.6E-05 (J)
9/14/2020	<0.003								
9/15/2020								5.7E-05 (J)	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021					<0.003	<0.003			
3/11/2021	<0.003	0.00015 (J)		<0.003			<0.003	6.4E-05 (J)	<0.003
3/12/2021			<0.003						
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-41R (bg)	GWC-45	GWC-44	GWC-45R
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021		0.00012 (J)	<0.003	<0.003	<0.003	<0.003		6.7E-05 (J)	
8/5/2021	<0.003								
8/6/2021							<0.003		<0.003
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
1/31/2022	<0.003	0.00014 (J)	<0.003	<0.003	<0.003	<0.003		6.5E-05 (J)	
2/1/2022							<0.003		<0.003
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022	<0.003	0.00016 (J)	<0.003						
8/11/2022				<0.003		<0.003			
8/12/2022					<0.003		<0.003		<0.003
8/15/2022								5.7E-05 (J)	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023	<0.003	0.00015 (J)	<0.003	<0.003	<0.003	<0.003			
2/14/2023							<0.003	6.2E-05 (J)	<0.003
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/30/2014					
10/1/2014					
10/2/2014					
10/3/2014					
10/4/2014					
3/30/2015					
3/31/2015					
4/1/2015					
4/2/2015					
4/3/2015					
5/26/2015					
6/18/2015					
7/2/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.003	<0.003			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.003 (D)		
5/17/2016					
5/18/2016	<0.003	<0.003			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.003	
6/1/2016					

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	<0.003		0.0004 (JD)		
7/28/2016		<0.003			
7/29/2016					
8/1/2016					
8/2/2016				<0.003	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.003	<0.003			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.003	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016	<0.003				
11/7/2016		<0.003			
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				<0.003	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	<0.003	<0.003			
1/30/2017					
1/31/2017					
2/1/2017				<0.003	
2/3/2017					
2/6/2017					
2/7/2017					

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.003		
2/22/2017					<0.003
3/24/2017					
3/27/2017			<0.003 (D)		
3/28/2017					
3/29/2017	<0.003				
3/30/2017		<0.003			
4/3/2017					
4/6/2017				<0.003	
4/7/2017					<0.003
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	<0.003		<0.003 (D)		
6/9/2017		<0.003			
6/12/2017					
6/13/2017				<0.003	
6/14/2017					<0.003 (D)
6/15/2017					
6/16/2017					
7/12/2017					<0.003 (D)
7/14/2017				<0.003	
7/17/2017			<0.003 (D)		
7/20/2017					<0.003 (D)
7/26/2017					
7/27/2017			<0.003		
7/28/2017					<0.003
8/9/2017			<0.003		<0.003
8/10/2017					
8/24/2017					<0.003
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.003	<0.003	<0.003 (D)		
10/2/2017					
10/3/2017				<0.003	<0.003 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.003	<0.003			
3/16/2018			<0.003		

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/19/2018					
3/20/2018				<0.003	
3/21/2018					<0.003
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018	<0.003				
9/14/2018		<0.003	<0.003		
9/17/2018					
9/18/2018				<0.003	<0.003
9/19/2018					
9/20/2018					
3/13/2019					
3/14/2019			<0.003		
3/15/2019					
3/18/2019	<0.003				
3/19/2019		<0.003			
3/20/2019					
3/21/2019				<0.003	<0.003 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.003	<0.003			
9/12/2019					<0.003 (D)
9/13/2019				<0.003	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020		<0.003	<0.003		
3/10/2020					
3/11/2020	<0.003				
3/12/2020				<0.003	<0.003
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020	<0.003				
9/14/2020		<0.003			
9/15/2020					
9/16/2020			<0.003	<0.003	
9/17/2020					<0.003
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.003	<0.003			

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/16/2021			<0.003		<0.003
3/17/2021				<0.003	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021		<0.003			
8/6/2021			<0.003		
8/9/2021					
8/10/2021				<0.003	<0.003
8/11/2021	<0.003				
8/12/2021					
1/31/2022					
2/1/2022	<0.003	<0.003			
2/2/2022			<0.003	<0.003	
2/3/2022					<0.003
2/4/2022					
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.003	<0.003			
8/16/2022			<0.003		
8/17/2022				<0.003	<0.003
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.003	<0.003	<0.003		
2/16/2023					
2/17/2023					<0.003
2/20/2023				<0.003	
2/21/2023					
2/22/2023					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
8/21/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/22/2007								<0.0005	
8/23/2007									<0.0005
8/24/2007									
10/23/2007									
10/24/2007									
10/25/2007								<0.0005	
11/1/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
11/2/2007									<0.0005
11/17/2007									
11/18/2007	<0.0005						<0.0005		<0.0005
11/19/2007		<0.0005		<0.0005	<0.0005				
11/20/2007			<0.0005			<0.0005		<0.0005	
1/15/2008									
1/16/2008				<0.0005					
1/23/2008								<0.0005	
1/30/2008	<0.0005		<0.0005			<0.0005	<0.0005		
1/31/2008		<0.0005			<0.0005				<0.0005
3/5/2008		<0.0005		<0.0005	<0.0005		<0.0005		
3/6/2008	<0.0005		<0.0005			<0.0005			
3/10/2008									
3/11/2008								<0.0005	<0.0005
5/6/2008									
5/7/2008	<0.0005				<0.0005		0.000181		
5/8/2008						<0.0005			
5/12/2008		<0.0005	<0.0005						
5/13/2008				<0.0005					
5/14/2008								<0.0005	<0.0005
12/2/2008									
12/4/2008									
12/5/2008									<0.0005
12/11/2008								<0.0005	
12/12/2008					<0.0005				
12/13/2008		<0.0005	<0.0005	<0.0005					
12/14/2008	<0.0005					<0.0005	<0.0005		
4/15/2009									<0.0005
4/16/2009				<0.0005					
4/21/2009									
4/23/2009								<0.0005	
4/28/2009		<0.0005							
4/29/2009	<0.0005		<0.0005		<0.0005	<0.0005	<0.0005		
10/6/2009									
10/7/2009									
10/8/2009									<0.0005
10/9/2009								<0.0005	
10/13/2009									
10/19/2009									
10/20/2009			<0.0005						
10/21/2009		<0.0005		<0.0005	<0.0005	<0.0005			
10/22/2009	<0.0005						<0.0005		
4/20/2010									
4/21/2010	<0.0005					<0.0005	<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
4/26/2010			<0.0005						
4/27/2010				<0.0005					
4/28/2010		<0.0005			<0.0005				<0.0005
5/3/2010									
5/4/2010								<0.0005	
9/28/2010						<0.0005	<0.0005		
9/29/2010	<0.0005		<0.0005						
9/30/2010									
10/4/2010									
10/5/2010		<0.0005		<0.0005					
10/6/2010					<0.0005				<0.0005
10/11/2010								<0.0005	
10/12/2010									
4/12/2011						<0.0005	<0.0005		
4/13/2011	<0.0005		<0.0005						
4/14/2011									
4/18/2011									
4/19/2011		<0.0005		<0.0005					
4/20/2011					<0.0005				
4/21/2011									<0.0005
4/26/2011								<0.0005	
4/27/2011									
4/28/2011									
10/4/2011	<0.0005					<0.0005	<0.0005		
10/5/2011			<0.0005						
10/12/2011				<0.0005	<0.0005				
10/13/2011									<0.0005
10/17/2011									
10/18/2011		<0.0005						<0.0005	
10/19/2011									
4/3/2012						<0.0005	<0.0005		
4/4/2012	<0.0005		<0.0005						
4/11/2012									
4/23/2012									
4/24/2012				<0.0005					
4/25/2012		<0.0005			<0.0005				
4/30/2012									
5/1/2012									<0.0005
5/2/2012								<0.0005	
10/2/2012		<0.0005		<0.0005	<0.0005				
10/3/2012	<0.0005		<0.0005				<0.0005		
10/8/2012						<0.0005		<0.0005	
10/9/2012									<0.0005
10/10/2012									
4/2/2013		<0.0005		<0.0005	<0.0005				
4/3/2013	<0.0005		<0.0005			<0.0005	<0.0005		
4/8/2013									
4/9/2013									
4/10/2013								<0.0005	
4/11/2013									<0.0005
4/12/2013									
4/15/2013									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
4/16/2013									
10/8/2013		<0.0005			<0.0005			<0.0005	
10/9/2013	<0.0005			<0.0005			<0.0005		
10/15/2013			<0.0005			<0.0005			
10/16/2013									<0.0005
10/22/2013									
4/1/2014		0.0002 (J)		0.0002 (J)	0.0002 (J)				
4/2/2014	<0.0005						0.0002 (J)		
4/9/2014			<0.0005			<0.0005			
4/10/2014									
4/11/2014									
4/14/2014								<0.0005	
4/21/2014									
4/22/2014									
4/23/2014									<0.0005
9/30/2014									
10/1/2014		<0.0005			<0.0005				
10/2/2014	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
10/3/2014								3.29E-05 (J)	
10/4/2014									<0.0005
3/30/2015									
3/31/2015					<0.0005				<0.0005
4/1/2015	<0.0005	<0.0005		<0.0005			<0.0005	<0.0005	
4/2/2015			<0.0005			<0.0005			
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015								<0.0005	
10/10/2015			<0.0005						
10/11/2015	<0.0005						<0.0005		
10/12/2015						<0.0005			<0.0005
10/13/2015									
10/14/2015				<0.0005	<0.0005				
10/15/2015		<0.0005							
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016									<0.0005
3/28/2016									
3/29/2016								<0.0005	
3/30/2016									
3/31/2016			<0.0005			<0.0005			

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
4/4/2016	<0.0005	<0.0005		<0.0005	<0.0005		<0.0005		
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									<0.0005
5/24/2016								<0.0005	
5/25/2016									
5/26/2016	<0.0005		<0.0005			<0.0005	<0.0005		
5/27/2016				<0.0005					
5/31/2016		<0.0005							
6/1/2016					<0.0005				
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									<0.0005
8/1/2016								<0.0005	
8/2/2016									
8/3/2016				<0.0005		<0.0005	<0.0005		
8/4/2016	<0.0005	<0.0005							
8/5/2016			<0.0005						
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016									<0.0005
9/23/2016									
9/26/2016								<0.0005	
9/27/2016									
9/28/2016	<0.0005		<0.0005			<0.0005	<0.0005		
9/29/2016		<0.0005							
9/30/2016				<0.0005					
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016									<0.0005
11/11/2016									
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
11/18/2016								<0.0005	
11/21/2016									
11/22/2016	<0.0005		<0.0005	8E-05 (J)		<0.0005	<0.0005		
11/23/2016									
11/28/2016		<0.0005							
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017									
1/31/2017									<0.0005
2/1/2017								<0.0005	
2/3/2017									
2/6/2017									
2/7/2017			<0.0005			<0.0005			
2/8/2017	<0.0005						<0.0005		
2/9/2017		<0.0005							
2/10/2017									
2/13/2017				<0.0005					
2/21/2017									
2/22/2017					<0.0005				
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									<0.0005
4/3/2017									
4/6/2017								<0.0005	
4/7/2017									
4/10/2017	<0.0005		<0.0005			<0.0005	<0.0005		
4/11/2017				<0.0005	<0.0005				
4/12/2017		<0.0005							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017									<0.0005
6/13/2017								<0.0005	
6/14/2017			<0.0005	<0.0005		<0.0005			
6/15/2017	<0.0005						<0.0005		
6/16/2017		<0.0005			<0.0005				
7/12/2017					<0.0005				
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017					<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
8/9/2017									
8/10/2017					<0.0005				
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017									
10/3/2017								<0.0005	
10/4/2017	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		<0.0005
10/5/2017									
10/6/2017					<0.0005				
10/9/2017		<0.0005							
3/14/2018									
3/15/2018									
3/16/2018									
3/19/2018								<0.0005	<0.0005
3/20/2018			<0.0005						
3/21/2018		<0.0005				<0.0005	<0.0005		
3/22/2018	<0.0005			<0.0005					
3/23/2018					<0.0005				
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018								<0.0005	<0.0005
9/18/2018	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
9/19/2018		<0.0005							
9/20/2018					<0.0005				
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019									
3/20/2019									<0.0005
3/21/2019								<0.0005	
3/22/2019			<0.0005		<0.0005	<0.0005			
3/23/2019	<0.0005	<0.0005		<0.0005			<0.0005		
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019									<0.0005
9/16/2019								<0.0005	
9/17/2019	<0.0005		<0.0005	<0.0005 (D)		<0.0005	<0.0005		
9/18/2019		<0.0005			<0.0005				
3/6/2020									
3/9/2020									
3/10/2020									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
3/11/2020									<0.0005
3/12/2020	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/13/2020		<0.0005							
3/16/2020									
3/17/2020					<0.0005				
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020									
9/16/2020								<0.0005	
9/17/2020			<0.0005			<0.0005			
9/21/2020	<0.0005			<0.0005			<0.0005		
9/22/2020		<0.0005			<0.0005				
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021								<0.0005	
3/18/2021		<0.0005	<0.0005			<0.0005			
3/19/2021	<0.0005			<0.0005	<0.0005		<0.0005		
3/29/2021									<0.0005
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021									<0.0005
8/10/2021			<0.0005					<0.0005	
8/11/2021	<0.0005	<0.0005		<0.0005		<0.0005	<0.0005		
8/12/2021					<0.0005				
10/28/2021									
1/31/2022									
2/1/2022									
2/2/2022				<0.0005				<0.0005	<0.0005
2/3/2022									
2/4/2022	<0.0005		<0.0005		<0.0005	<0.0005	<0.0005		
2/7/2022									
2/17/2022		<0.0005							
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									<0.0005
8/17/2022			<0.0005					<0.0005	
8/18/2022	<0.0005	<0.0005		<0.0005		<0.0005	<0.0005		
8/19/2022					<0.0005				
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023								<0.0005	0.00013 (J)
2/20/2023	0.00016 (J)		0.00028 (J)			0.0003 (J)	0.00019 (J)		
2/21/2023				<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-13	GWC-10	GWC-12	GWC-13RZ	GWC-10R	GWC-11	GWC-6	GWA-3A (bg)
2/22/2023		<0.0005			<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
8/21/2007									
8/22/2007									
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/24/2007							<0.0005	<0.0005	
10/23/2007						<0.0005			
10/24/2007			<0.0005		<0.0005				
10/25/2007		<0.0005							
11/1/2007				<0.0005					
11/2/2007	<0.0005						<0.0005	<0.0005	
11/17/2007	<0.0005							<0.0005	
11/18/2007			<0.0005		<0.0005	<0.0005	<0.0005		
11/19/2007		<0.0005		<0.0005					
11/20/2007									
1/15/2008	<0.0005			<0.0005			<0.0005	<0.0005	
1/16/2008									
1/23/2008		<0.0005							
1/30/2008						<0.0005			
1/31/2008			<0.0005		<0.0005				
3/5/2008								<0.0005	
3/6/2008	<0.0005			<0.0005					
3/10/2008			<0.0005			<0.0005	<0.0005		
3/11/2008		<0.0005			<0.0005				
5/6/2008					0.000175				
5/7/2008	<0.0005							<0.0005	
5/8/2008									
5/12/2008		<0.0005							
5/13/2008			<0.0005	<0.0005		<0.0005	<0.0005		
5/14/2008									
12/2/2008	<0.0005						<0.0005	<0.0005	
12/4/2008			<0.0005		<0.0005				
12/5/2008						<0.0005			
12/11/2008		<0.0005							
12/12/2008				<0.0005					<0.0005
12/13/2008									
12/14/2008									
4/15/2009		<0.0005				<0.0005			
4/16/2009				<0.0005				<0.0005	
4/21/2009			<0.0005		<0.0005				
4/23/2009									<0.0005
4/28/2009	<0.0005						<0.0005		
4/29/2009									
10/6/2009									<0.0005
10/7/2009					<0.0005	<0.0005			
10/8/2009			<0.0005						
10/9/2009		<0.0005							
10/13/2009				<0.0005					
10/19/2009	<0.0005								
10/20/2009							<0.0005	<0.0005	
10/21/2009									
10/22/2009									
4/20/2010								<0.0005	
4/21/2010			<0.0005	<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
4/26/2010					<0.0005				
4/27/2010	<0.0005						<0.0005		<0.0005
4/28/2010									
5/3/2010						<0.0005			
5/4/2010		<0.0005							
9/28/2010			<0.0005						
9/29/2010				<0.0005				<0.0005	
9/30/2010									<0.0005
10/4/2010	<0.0005				<0.0005				
10/5/2010							<0.0005		
10/6/2010									
10/11/2010									
10/12/2010		<0.0005				<0.0005			
4/12/2011			<0.0005					<0.0005	
4/13/2011				<0.0005	<0.0005				
4/14/2011									<0.0005
4/18/2011	<0.0005								
4/19/2011							<0.0005		
4/20/2011									
4/21/2011									
4/26/2011									
4/27/2011						<0.0005			
4/28/2011		<0.0005							
10/4/2011			<0.0005					<0.0005	
10/5/2011				<0.0005	<0.0005				<0.0005
10/12/2011	<0.0005						<0.0005		
10/13/2011									
10/17/2011						<0.0005			
10/18/2011									
10/19/2011		<0.0005							
4/3/2012			<0.0005						
4/4/2012				<0.0005				<0.0005	
4/11/2012					<0.0005				<0.0005
4/23/2012	<0.0005								
4/24/2012									
4/25/2012							<0.0005		
4/30/2012									
5/1/2012									
5/2/2012		<0.0005				<0.0005			
10/2/2012									<0.0005
10/3/2012									
10/8/2012				<0.0005		<0.0005			
10/9/2012		<0.0005	<0.0005		<0.0005				
10/10/2012	<0.0005						<0.0005	<0.0005	
4/2/2013									
4/3/2013									
4/8/2013				<0.0005					
4/9/2013									<0.0005
4/10/2013									
4/11/2013		<0.0005	<0.0005						
4/12/2013						<0.0005			
4/15/2013	<0.0005				<0.0005		<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
4/16/2013							<0.0005		
10/8/2013									
10/9/2013				<0.0005					
10/15/2013					<0.0005				<0.0005
10/16/2013		<0.0005	<0.0005			<0.0005			
10/22/2013	<0.0005						<0.0005	<0.0005	
4/1/2014									
4/2/2014									
4/9/2014				<0.0005					
4/10/2014			<0.0005						<0.0005
4/11/2014						<0.0005			
4/14/2014									
4/21/2014	<0.0005						<0.0005	<0.0005	
4/22/2014					<0.0005				
4/23/2014		<0.0005							
9/30/2014	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/1/2014									<0.0005
10/2/2014									
10/3/2014		3.71E-05 (J)							
10/4/2014									
3/30/2015			<0.0005		<0.0005	<0.0005			2.02E-05 (J)
3/31/2015		<0.0005							
4/1/2015									
4/2/2015				<0.0005					
4/3/2015	<0.0005						<0.0005	<0.0005	
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015							<0.0005		
10/7/2015	<0.0005							<0.0005	
10/8/2015									
10/9/2015									
10/10/2015				<0.0005 (D)					
10/11/2015									<0.0005
10/12/2015		<0.0005							
10/13/2015			<0.0005		<0.0005	<0.0005			
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016						<0.0005			
3/23/2016			<0.0005		<0.0005				
3/28/2016		<0.0005							<0.0005
3/29/2016									
3/30/2016				<0.0005					
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
4/4/2016									
4/5/2016	<0.0005						<0.0005	<0.0005	
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			<0.0005			<0.0005			
5/20/2016					<0.0005				
5/23/2016									<0.0005
5/24/2016									
5/25/2016		<0.0005							
5/26/2016				<0.0005					
5/27/2016									
5/31/2016	<0.0005						<0.0005		
6/1/2016								<0.0005	
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016			<0.0005		<0.0005	<0.0005			
8/1/2016		<0.0005							<0.0005
8/2/2016									
8/3/2016									
8/4/2016	<0.0005								
8/5/2016				<0.0005					
8/9/2016								<0.0005	
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016			<0.0005						
9/23/2016					<0.0005	<0.0005			
9/26/2016									<0.0005
9/27/2016		<0.0005							
9/28/2016				<0.0005					
9/29/2016	<0.0005								
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016					<0.0005	<0.0005			
11/10/2016			<0.0005						<0.0005
11/11/2016		<0.0005							
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
11/18/2016									
11/21/2016				<0.0005					
11/22/2016									
11/23/2016	5E-05 (J)						6E-05 (J)		
11/28/2016								<0.0005	
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017						<0.0005			<0.0005
1/31/2017		<0.0005	<0.0005		<0.0005				
2/1/2017									
2/3/2017									
2/6/2017				<0.0005					
2/7/2017									
2/8/2017									
2/9/2017								<0.0005	
2/10/2017	<0.0005						<0.0005		
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017					<0.0005	<0.0005			
4/3/2017		<0.0005	<0.0005						
4/6/2017				<0.0005					
4/7/2017									<0.0005
4/10/2017									
4/11/2017							<0.0005	<0.0005	
4/12/2017	<0.0005								
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			<0.0005			<0.0005			
6/12/2017		<0.0005			<0.0005				<0.0005
6/13/2017				<0.0005					
6/14/2017								<0.0005	
6/15/2017	<0.0005						<0.0005		
6/16/2017									
7/12/2017							<0.0005	<0.0005	
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017							<0.0005		
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017			<0.0005		<0.0005	<0.0005			<0.0005
10/3/2017		<0.0005		<0.0005					
10/4/2017									
10/5/2017								<0.0005	
10/6/2017	<0.0005						<0.0005		
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018			<0.0005			<0.0005			<0.0005
3/19/2018		<0.0005			<0.0005				
3/20/2018				<0.0005					
3/21/2018									
3/22/2018								<0.0005	
3/23/2018	<0.0005						<0.0005		
9/12/2018									
9/13/2018									
9/14/2018			<0.0005		<0.0005				
9/17/2018		<0.0005				<0.0005 (D)			<0.0005
9/18/2018				<0.0005 (D)					
9/19/2018	<0.0005						<0.0005	<0.0005	
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019			<0.0005						<0.0005
3/20/2019		<0.0005			<0.0005	<0.0005			
3/21/2019				<0.0005					
3/22/2019							<0.0005	<0.0005	
3/23/2019									
3/25/2019	<0.0005								
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019					<0.0005 (D)	<0.0005			
9/13/2019			<0.0005						<0.0005
9/16/2019		<0.0005		<0.0005					
9/17/2019	<0.0005						<0.0005	<0.0005	
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
3/11/2020			<0.0005		<0.0005	<0.0005			<0.0005
3/12/2020				<0.0005					
3/13/2020	<0.0005						<0.0005	<0.0005	
3/16/2020		<0.0005							
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020			<0.0005		<0.0005	<0.0005			
9/16/2020		<0.0005							<0.0005
9/17/2020				<0.0005					
9/21/2020	<0.0005						<0.0005	<0.0005	
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021			<0.0005			<0.0005			
3/17/2021		<0.0005			<0.0005				<0.0005
3/18/2021	<0.0005			<0.0005			<0.0005	<0.0005	
3/19/2021									
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021		<0.0005	<0.0005		<0.0005	<0.0005			<0.0005
8/10/2021				<0.0005					
8/11/2021	<0.0005						<0.0005	<0.0005	
8/12/2021									
10/28/2021									
1/31/2022									
2/1/2022			<0.0005		<0.0005	<0.0005			<0.0005
2/2/2022		<0.0005		<0.0005					
2/3/2022									
2/4/2022	<0.0005							<0.0005	
2/7/2022							<0.0005		
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022		<0.0005	<0.0005		<0.0005	<0.0005			<0.0005
8/17/2022				<0.0005					
8/18/2022								<0.0005	
8/19/2022	<0.0005						<0.0005		
2/13/2023									
2/14/2023									
2/16/2023			<0.0005		0.00013 (J)	0.00017 (J)			<0.0005
2/17/2023									
2/20/2023		<0.0005							
2/21/2023				<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-5	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWA-1 (bg)	GWC-15Z	GWC-14Z	GWA-50 (bg)
2/22/2023	<0.0005						<0.0005	<0.0005	

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
8/21/2007									
8/22/2007									
8/23/2007									
8/24/2007									
10/23/2007									
10/24/2007									
10/25/2007									
11/1/2007									
11/2/2007									
11/17/2007									
11/18/2007									
11/19/2007									
11/20/2007									
1/15/2008									
1/16/2008									
1/23/2008									
1/30/2008									
1/31/2008									
3/5/2008									
3/6/2008									
3/10/2008									
3/11/2008									
5/6/2008									
5/7/2008									
5/8/2008									
5/12/2008									
5/13/2008									
5/14/2008									
12/2/2008									
12/4/2008									
12/5/2008									
12/11/2008									
12/12/2008	<0.0005								
12/13/2008									
12/14/2008									
4/15/2009									
4/16/2009									
4/21/2009									
4/23/2009	<0.0005								
4/28/2009									
4/29/2009									
10/6/2009	<0.0005								
10/7/2009									
10/8/2009									
10/9/2009									
10/13/2009									
10/19/2009									
10/20/2009									
10/21/2009									
10/22/2009									
4/20/2010									
4/21/2010									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
4/26/2010									
4/27/2010									
4/28/2010									
5/3/2010	<0.0005								
5/4/2010									
9/28/2010									
9/29/2010									
9/30/2010									
10/4/2010									
10/5/2010									
10/6/2010									
10/11/2010	<0.0005								
10/12/2010									
4/12/2011									
4/13/2011									
4/14/2011									
4/18/2011									
4/19/2011									
4/20/2011									
4/21/2011									
4/26/2011									
4/27/2011	<0.0005								
4/28/2011									
10/4/2011									
10/5/2011									
10/12/2011									
10/13/2011									
10/17/2011									
10/18/2011		<0.0005							
10/19/2011	<0.0005								
4/3/2012									
4/4/2012									
4/11/2012									
4/23/2012									
4/24/2012									
4/25/2012									
4/30/2012		<0.0005							
5/1/2012	<0.0005								
5/2/2012									
10/2/2012	<0.0005								
10/3/2012		<0.0005							
10/8/2012									
10/9/2012									
10/10/2012									
4/2/2013									
4/3/2013									
4/8/2013		<0.0005							
4/9/2013									
4/10/2013	<0.0005								
4/11/2013									
4/12/2013									
4/15/2013									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
4/16/2013									
10/8/2013									
10/9/2013		<0.0005							
10/15/2013									
10/16/2013	<0.0005								
10/22/2013									
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014		<0.0005							
4/11/2014									
4/14/2014									
4/21/2014									
4/22/2014	<0.0005								
4/23/2014									
9/30/2014									
10/1/2014	<0.0005								
10/2/2014		3.83E-05 (J)							
10/3/2014									
10/4/2014									
3/30/2015	<0.0005								
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015		<0.0005							
5/26/2015			<0.0005	<0.0005					
6/18/2015			<0.0005 (D)	<0.0005 (D)					
7/2/2015			<0.0005	<0.0005					
8/13/2015			<0.0005 (D)						
8/14/2015				<0.0005 (D)					
10/6/2015									
10/7/2015									
10/8/2015		<0.0005		<0.0005					
10/9/2015			<0.0005						
10/10/2015									
10/11/2015	<0.0005								
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016					<0.0005	<0.0005	<0.0005	<0.0005	
3/11/2016									<0.0005
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016				<0.0005					
3/23/2016									
3/28/2016	<0.0005								
3/29/2016			<0.0005						
3/30/2016		<0.0005							
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									<0.0005
5/17/2016					<0.0005			<0.0005	
5/18/2016						<0.0005	<0.0005		
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016		<0.0005	<0.0005						
5/25/2016	<0.0005			<0.0005					
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									<0.0005
7/25/2016									
7/26/2016					<0.0005				
7/27/2016						<0.0005	<0.0005	<0.0005	
7/28/2016									
7/29/2016									
8/1/2016	<0.0005		<0.0005						
8/2/2016		<0.0005		<0.0005					
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									<0.0005
9/20/2016					<0.0005	<0.0005	<0.0005	<0.0005	
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016	<0.0005		<0.0005	<0.0005					
9/27/2016		<0.0005							
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									<0.0005
11/4/2016					<0.0005		<0.0005	<0.0005	
11/7/2016						<0.0005			
11/9/2016									
11/10/2016									
11/11/2016	<0.0005								
11/14/2016			<0.0005						

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
11/18/2016									
11/21/2016				<0.0005					
11/22/2016		8E-05 (J)							
11/23/2016									
11/28/2016									
1/17/2017									<0.0005
1/18/2017									
1/19/2017									
1/20/2017					<0.0005		<0.0005		
1/23/2017						<0.0005		<0.0005	
1/24/2017									
1/30/2017	<0.0005								
1/31/2017									
2/1/2017			<0.0005						
2/3/2017				<0.0005					
2/6/2017		<0.0005							
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									<0.0005
3/28/2017					<0.0005			<0.0005	
3/29/2017						<0.0005 (*)	<0.0005 (*)		
3/30/2017									
4/3/2017	<0.0005								
4/6/2017		<0.0005	<0.0005						
4/7/2017				<0.0005					
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017					<0.0005				<0.0005
6/8/2017						<0.0005	<0.0005	<0.0005	
6/9/2017									
6/12/2017	<0.0005								
6/13/2017			<0.0005	<0.0005					
6/14/2017		<0.0005							
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									<0.0005
9/27/2017						<0.0005	<0.0005		
9/29/2017					<0.0005			<0.0005	
10/2/2017	<0.0005								
10/3/2017			<0.0005	<0.0005					
10/4/2017		<0.0005							
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									<0.0005
3/15/2018					<0.0005	<0.0005		<0.0005	
3/16/2018	<0.0005						<0.0005		
3/19/2018									
3/20/2018			<0.0005	<0.0005					
3/21/2018		<0.0005							
3/22/2018									
3/23/2018									
9/12/2018									
9/13/2018					<0.0005	<0.0005	<0.0005	6.2E-05 (J)	
9/14/2018									3.8E-05 (J)
9/17/2018			<0.0005						
9/18/2018	<0.0005	<0.0005		<0.0005					
9/19/2018									
9/20/2018									
3/13/2019									
3/14/2019									<0.0005
3/15/2019						<0.0005		<0.0005	
3/18/2019					<0.0005				
3/19/2019	<0.0005						5E-05 (J)		
3/20/2019									
3/21/2019			<0.0005						
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019		<0.0005							
5/6/2019				<0.0005					
9/9/2019									
9/10/2019									<0.0005
9/11/2019					<0.0005		<0.0005	<0.0005 (D)	
9/12/2019	<0.0005					<0.0005			
9/13/2019									
9/16/2019		<0.0005 (D)	<0.0005	<0.0005					
9/17/2019									
9/18/2019									
3/6/2020									<0.0005
3/9/2020						<0.0005	<0.0005	<0.0005	
3/10/2020					<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-8RR	GWC-6RZ	GWC-8Z	GWC-46R	GWC-47	GWC-47R	GWC-48	GWA-42 (bg)
3/11/2020	<0.0005								
3/12/2020		<0.0005	<0.0005						
3/13/2020									
3/16/2020				<0.0005					
3/17/2020									
9/10/2020									<0.0005
9/11/2020									
9/14/2020					<0.0005	<0.0005		0.00015 (J)	
9/15/2020	<0.0005						<0.0005		
9/16/2020			<0.0005						
9/17/2020		<0.0005		<0.0005					
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021					<0.0005	<0.0005	<0.0005	0.0002 (J)	<0.0005
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021	<0.0005	<0.0005	<0.0005						
3/18/2021				<0.0005					
3/19/2021									
3/29/2021									
8/4/2021								0.0005	8E-05 (J)
8/5/2021					0.00015 (J)	0.00021	0.00023		
8/6/2021									
8/9/2021	<0.0005								
8/10/2021		<0.0005	<0.0005	<0.0005					
8/11/2021									
8/12/2021									
10/28/2021						<0.0005	<0.0005		
1/31/2022					<0.0005			0.00039	<0.0005
2/1/2022						<0.0005	<0.0005		
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005					
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022								0.0004	
8/10/2022									<0.0005
8/11/2022									
8/12/2022									
8/15/2022					<0.0005	<0.0005	<0.0005	0.00038	
8/16/2022									
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005					
8/18/2022									
8/19/2022									
2/13/2023									0.00014 (J)
2/14/2023					<0.0005	<0.0005	0.00013 (J)	0.00064	
2/16/2023	<0.0005								
2/17/2023			<0.0005						
2/20/2023				<0.0005					
2/21/2023		<0.0005							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

2/22/2023

GWA-50R (bg) GWC-8RR GWC-6RZ GWC-8Z GWC-46R GWC-47 GWC-47R GWC-48 GWA-42 (bg)

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
4/16/2013									
10/8/2013									
10/9/2013									
10/15/2013									
10/16/2013									
10/22/2013									
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014									
4/11/2014									
4/14/2014									
4/21/2014									
4/22/2014									
4/23/2014									
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015									
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.0005	<0.0005							
3/14/2016			<0.0005						
3/15/2016				<0.0005	<0.0005	<0.0005			
3/16/2016							<0.0005	<0.0005	<0.0005
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
4/4/2016									
4/5/2016									
5/11/2016			<0.0005		<0.0005				
5/12/2016						<0.0005			
5/13/2016	<0.0005	<0.0005		<0.0005					
5/16/2016							<0.0005 (D)	<0.0005	<0.0005 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016	<0.0005	<0.0005	<0.0005						
7/20/2016						<0.0005			
7/21/2016				<0.0005	<0.0005				
7/22/2016									
7/25/2016							<0.0005 (D)	<0.0005	<0.0005 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.0005		<0.0005	<0.0005			
9/16/2016	<0.0005	<0.0005							
9/19/2016							<0.0005 (D)	<0.0005	<0.0005 (D)
9/20/2016									
9/21/2016				<0.0005					
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.0005	<0.0005	<0.0005						
11/3/2016				<0.0005	<0.0005	<0.0005	<0.0005 (D)	<0.0005	
11/4/2016									<0.0005 (D)
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017				<0.0005	<0.0005				
1/18/2017	<0.0005	<0.0005	<0.0005			<0.0005			
1/19/2017								<0.0005	
1/20/2017							<0.0005 (D)		
1/23/2017									<0.0005 (D)
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017					<0.0005	<0.0005			
3/27/2017				<0.0005					
3/28/2017	<0.0005	<0.0005	<0.0005					<0.0005	
3/29/2017							0.000285 (J*D)		0.000285 (J*D)
3/30/2017									
4/3/2017									
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017					<0.0005				
6/5/2017								<0.0005	
6/6/2017	<0.0005	<0.0005		<0.0005		<0.0005			
6/7/2017			<0.0005				<0.0005		<0.0005
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.0005	<0.0005							
9/25/2017				<0.0005		<0.0005			
9/26/2017			<0.0005		<0.0005			<0.0005	
9/27/2017							<0.0005		<0.0005
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/15/2018		<0.0005					<0.0005	<0.0005	<0.0005
3/16/2018									
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.0005	3.9E-05 (J)	<0.0005	<0.0005	3.8E-05 (J)	<0.0005		<0.0005	
9/13/2018							<0.0005		<0.0005
9/14/2018									
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019	<0.0005	<0.0005			<0.0005				
3/14/2019				<0.0005		<0.0005	<0.0005 (D)	<0.0005	<0.0005 (D)
3/15/2019			<0.0005						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.0005		<0.0005				
9/10/2019				<0.0005		<0.0005 (D)			
9/11/2019	<0.0005	<0.0005					<0.0005 (D)	<0.0005	<0.0005 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020						<0.0005			
3/9/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/10/2020							<0.0005	<0.0005	<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWC-45R	GWC-44	GWC-45
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020			<0.0005	<0.0005		<0.0005			
9/11/2020	<0.0005				<0.0005		<0.0005		<0.0005
9/14/2020		<0.0005							
9/15/2020								<0.0005	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021				<0.0005	<0.0005				
3/11/2021	<0.0005	<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
3/12/2021			<0.0005						
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021			0.00012 (J)	9.4E-05 (J)	9.4E-05 (J)	9E-05 (J)		8.7E-05 (J)	
8/5/2021		9.6E-05 (J)							
8/6/2021	<0.0005						<0.0005		<0.0005
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021									
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
2/1/2022							<0.0005		<0.0005
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022		<0.0005	<0.0005						
8/11/2022	<0.0005			<0.0005		<0.0005			
8/12/2022					<0.0005		<0.0005		<0.0005
8/15/2022								<0.0005	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023		<0.0005	<0.0005	0.00013 (J)	<0.0005	0.00017 (J)			
2/14/2023	<0.0005						<0.0005	<0.0005	<0.0005
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

2/22/2023

GWA-43 (bg) GWA-43R (bg) GWA-39Z (bg) GWA-41R (bg) GWA-40 (bg) GWA-41 (bg) GWC-45R GWC-44 GWC-45

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/21/2007					
8/22/2007					
8/23/2007					
8/24/2007					
10/23/2007					
10/24/2007					
10/25/2007					
11/1/2007					
11/2/2007					
11/17/2007					
11/18/2007					
11/19/2007					
11/20/2007					
1/15/2008					
1/16/2008					
1/23/2008					
1/30/2008					
1/31/2008					
3/5/2008					
3/6/2008					
3/10/2008					
3/11/2008					
5/6/2008					
5/7/2008					
5/8/2008					
5/12/2008					
5/13/2008					
5/14/2008					
12/2/2008					
12/4/2008					
12/5/2008					
12/11/2008					
12/12/2008					
12/13/2008					
12/14/2008					
4/15/2009					
4/16/2009					
4/21/2009					
4/23/2009					
4/28/2009					
4/29/2009					
10/6/2009					
10/7/2009					
10/8/2009					
10/9/2009					
10/13/2009					
10/19/2009					
10/20/2009					
10/21/2009					
10/22/2009					
4/20/2010					
4/21/2010					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/26/2010					
4/27/2010					
4/28/2010					
5/3/2010					
5/4/2010					
9/28/2010					
9/29/2010					
9/30/2010					
10/4/2010					
10/5/2010					
10/6/2010					
10/11/2010					
10/12/2010					
4/12/2011					
4/13/2011					
4/14/2011					
4/18/2011					
4/19/2011					
4/20/2011					
4/21/2011					
4/26/2011					
4/27/2011					
4/28/2011					
10/4/2011					
10/5/2011					
10/12/2011					
10/13/2011					
10/17/2011					
10/18/2011					
10/19/2011					
4/3/2012					
4/4/2012					
4/11/2012					
4/23/2012					
4/24/2012					
4/25/2012					
4/30/2012					
5/1/2012					
5/2/2012					
10/2/2012					
10/3/2012					
10/8/2012					
10/9/2012					
10/10/2012					
4/2/2013					
4/3/2013					
4/8/2013					
4/9/2013					
4/10/2013					
4/11/2013					
4/12/2013					
4/15/2013					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/16/2013					
10/8/2013					
10/9/2013					
10/15/2013					
10/16/2013					
10/22/2013					
4/1/2014					
4/2/2014					
4/9/2014					
4/10/2014					
4/11/2014					
4/14/2014					
4/21/2014					
4/22/2014					
4/23/2014					
9/30/2014					
10/1/2014					
10/2/2014					
10/3/2014					
10/4/2014					
3/30/2015					
3/31/2015					
4/1/2015					
4/2/2015					
4/3/2015					
5/26/2015					
6/18/2015					
7/2/2015					
8/13/2015					
8/14/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.0005	<0.0005			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.0005 (D)		
5/17/2016					
5/18/2016	<0.0005	<0.0005			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.0005	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016		<0.0005	<0.0005 (D)		
7/28/2016	<0.0005				
7/29/2016					
8/1/2016					
8/2/2016				<0.0005	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.0005	<0.0005			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.0005	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016		<0.0005			
11/7/2016	<0.0005				
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
11/18/2016					
11/21/2016				<0.0005	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	5E-05 (J)	5E-05 (J)			
1/30/2017					
1/31/2017					
2/1/2017				<0.0005	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.0005		
2/22/2017					<0.0005
3/24/2017					
3/27/2017			<0.0005 (D)		
3/28/2017					
3/29/2017		<0.0005 (*)			
3/30/2017	<0.0005 (*)				
4/3/2017					
4/6/2017				<0.0005	
4/7/2017					<0.0005
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017		<0.0005	<0.0005 (D)		
6/9/2017	<0.0005				
6/12/2017					
6/13/2017				<0.0005	
6/14/2017					0.000286 (JD)
6/15/2017					
6/16/2017					
7/12/2017					<0.0005 (D)
7/14/2017				<0.0005	
7/17/2017			<0.0005 (D)		
7/20/2017					<0.0005 (D)
7/26/2017					
7/27/2017			<0.0005		
7/28/2017					<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/9/2017			<0.0005		<0.0005
8/10/2017					
8/24/2017					<0.0005
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.0005	4E-05 (J)	<0.0005 (D)		
10/2/2017					
10/3/2017				<0.0005	<0.0005 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.0005	<0.0005			
3/16/2018			<0.0005		
3/19/2018					
3/20/2018				<0.0005	
3/21/2018					<0.0005
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018		<0.0005			
9/14/2018	<0.0005		4.1E-05 (J)		
9/17/2018					
9/18/2018				<0.0005	<0.0005
9/19/2018					
9/20/2018					
3/13/2019					
3/14/2019			<0.0005		
3/15/2019					
3/18/2019		<0.0005			
3/19/2019	4.5E-05 (J)				
3/20/2019					
3/21/2019				<0.0005	<0.0005 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.0005	<0.0005			
9/12/2019					<0.0005 (D)
9/13/2019				<0.0005	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020	<0.0005		<0.0005		
3/10/2020					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/11/2020		<0.0005			
3/12/2020				<0.0005	<0.0005
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020		<0.0005			
9/14/2020	<0.0005				
9/15/2020					
9/16/2020			<0.0005	<0.0005	
9/17/2020					<0.0005
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.0005	<0.0005			
3/16/2021			<0.0005		<0.0005
3/17/2021				<0.0005	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021	0.0002				
8/6/2021			<0.0005		
8/9/2021					
8/10/2021				<0.0005	<0.0005
8/11/2021		<0.0005			
8/12/2021					
10/28/2021					
1/31/2022					
2/1/2022	<0.0005	<0.0005			
2/2/2022			<0.0005	<0.0005	
2/3/2022					<0.0005
2/4/2022					
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.0005	<0.0005			
8/16/2022			<0.0005		
8/17/2022				<0.0005	<0.0005
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.0005	<0.0005	<0.0005		
2/16/2023					
2/17/2023					<0.0005
2/20/2023				<0.0005	
2/21/2023					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWC-49Z

GWC-49R

GWA-39RZ (bg)

GWC-7Z

GWA-4RZ (bg)

2/22/2023

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
3/30/2015	7E-05								
10/6/2015		0.0005 (D)							
10/7/2015			<0.001 (D)	<0.001 (D)					
10/8/2015					0.0001 (D)	<0.001 (D)			
10/9/2015							<0.001	<0.001	
10/10/2015									<0.001
10/11/2015									
10/12/2015									
10/13/2015	<0.001								
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016					<0.001				
3/23/2016	<0.001								
3/28/2016									
3/29/2016							<0.001	<0.001	
3/30/2016						<0.001			<0.001
3/31/2016									
4/4/2016									
4/5/2016		0.00036 (J)	<0.001	<0.001					
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.001								
5/20/2016									
5/23/2016									
5/24/2016						<0.001	<0.001	<0.001	
5/25/2016					<0.001				
5/26/2016									<0.001
5/27/2016									
5/31/2016		0.000373 (J)		<0.001					
6/1/2016			<0.001						
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.001								
8/1/2016							<0.001	<0.001	
8/2/2016					<0.001	<0.001			
8/3/2016									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
8/4/2016				<0.001					
8/5/2016									<0.001
8/9/2016			<0.001						
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	<0.001								
9/23/2016									
9/26/2016					<0.001		<0.001	<0.001	
9/27/2016						<0.001			
9/28/2016									<0.001
9/29/2016				<0.001					
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016	<0.001								
11/11/2016									
11/14/2016							<0.001		
11/18/2016								<0.001	
11/21/2016					<0.001				<0.001
11/22/2016						<0.001			
11/23/2016		<0.001		<0.001					
11/28/2016			<0.001						
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017									
1/31/2017	<0.001								
2/1/2017							<0.001	<0.001	
2/3/2017					<0.001				
2/6/2017						<0.001			<0.001
2/7/2017									
2/8/2017									
2/9/2017			<0.001						
2/10/2017		<0.001		<0.001					
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017	<0.001								

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
4/6/2017									
4/7/2017					<0.001			5E-05 (J)	<0.001
4/10/2017									
4/11/2017		<0.001	<0.001						
4/12/2017				<0.001					
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.001								
6/12/2017									
6/13/2017					7E-05 (J)		<0.001	<0.001	<0.001
6/14/2017			<0.001			<0.001			
6/15/2017		<0.001		<0.001					
6/16/2017									
7/12/2017		<0.001	<0.001						
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017		<0.001							
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.001								
10/3/2017					<0.001		<0.001	<0.001	<0.001
10/4/2017						<0.001			
10/5/2017			<0.001						
10/6/2017		<0.001		<0.001					
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018	<0.001								
3/19/2018								<0.001	
3/20/2018					<0.001		<0.001		<0.001
3/21/2018						<0.001			
3/22/2018			<0.001						
3/23/2018		<0.001		<0.001					
9/12/2018									
9/13/2018									
9/14/2018	<0.001								
9/17/2018							<0.001	<0.001	
9/18/2018					<0.001	<0.001			<0.001 (D)
9/19/2018		<0.001	<0.001	<0.001					
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019	<0.001								
3/20/2019									
3/21/2019							<0.001	<0.001	<0.001
3/22/2019		<0.001	<0.001						
3/23/2019									
3/25/2019				<0.001					
3/27/2019						<0.001			
5/6/2019					<0.001				
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019	6.2E-05 (J)								
9/16/2019					<0.001	<0.001 (D)	<0.001	<0.001	<0.001
9/17/2019		<0.001	<0.001	<0.001					
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.001								
3/12/2020						<0.001	<0.001	<0.001	<0.001
3/13/2020		<0.001	<0.001	<0.001					
3/16/2020					<0.001				
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.001								
9/16/2020							<0.001	<0.001	
9/17/2020					<0.001	<0.001			<0.001
9/21/2020		<0.001	<0.001	<0.001					
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021	<0.001								
3/17/2021						<0.001	<0.001	<0.001	
3/18/2021		<0.001	<0.001	<0.001	<0.001				<0.001
3/19/2021									
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.001								
8/10/2021					<0.001	<0.001	<0.001	<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001					
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
1/31/2022									
2/1/2022	<0.001								
2/2/2022					<0.001	<0.001	<0.001	<0.001	<0.001
2/3/2022									
2/4/2022			<0.001	<0.001					
2/7/2022		<0.001							
2/17/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.001								
8/17/2022					<0.001	<0.001	<0.001	<0.001	<0.001
8/18/2022			<0.001						
8/19/2022		<0.001		<0.001					
2/13/2023									
2/14/2023									
2/16/2023	<0.001								
2/17/2023							<0.001	<0.001	
2/20/2023					<0.001				
2/21/2023						<0.001			<0.001
2/22/2023		<0.001	<0.001	<0.001					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015	<0.001								
10/11/2015		<0.001	0.0002	<0.001	<0.001				
10/12/2015						<0.001	<0.001	<0.001	
10/13/2015									<0.001
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									<0.001
3/23/2016								<0.001	
3/28/2016				<0.001	<0.001		<0.001		
3/29/2016									
3/30/2016									
3/31/2016	<0.001					<0.001			
4/4/2016		<0.001	<0.001						
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									<0.001
5/20/2016									
5/23/2016					<0.001			<0.001	
5/24/2016									
5/25/2016				<0.001			<0.001		
5/26/2016	<0.001	<0.001	<0.001			<0.001			
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016								<0.001	<0.001
8/1/2016				<0.001	<0.001		<0.001		
8/2/2016									
8/3/2016		<0.001							0.0001 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
8/4/2016			<0.001						
8/5/2016	<0.001								
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016								<0.001	
9/23/2016									<0.001
9/26/2016				<0.001	<0.001				
9/27/2016							<0.001		
9/28/2016	<0.001	<0.001	<0.001			<0.001			
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									<0.001
11/10/2016					<0.001			<0.001	
11/11/2016				<0.001			<0.001		
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016	<0.001	<0.001	<0.001			<0.001			
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017				<0.001	<0.001				<0.001
1/31/2017							<0.001	<0.001	
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017	<0.001					<0.001			
2/8/2017		<0.001	<0.001						
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017								<0.001	<0.001
4/3/2017				<0.001			<0.001		

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
4/6/2017									
4/7/2017					<0.001				
4/10/2017	<0.001	<0.001	<0.001			<0.001			
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									<0.001
6/12/2017				<0.001	<0.001		<0.001	<0.001	
6/13/2017									
6/14/2017	<0.001					<0.001			
6/15/2017		<0.001	<0.001						
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017				<0.001	<0.001				<0.001
10/3/2017							<0.001		
10/4/2017	<0.001	<0.001	<0.001			<0.001		<0.001	
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018				<0.001	<0.001				<0.001
3/19/2018							<0.001	<0.001	
3/20/2018	<0.001								
3/21/2018		<0.001				<0.001			
3/22/2018			<0.001						
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018					<0.001		<0.001	<0.001	<0.001 (D)
9/18/2018	<0.001	<0.001	<0.001	<0.001		<0.001			
9/19/2018									
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019				<0.001	<0.001				
3/20/2019							<0.001	<0.001	<0.001
3/21/2019									
3/22/2019	<0.001					<0.001			
3/23/2019		<0.001	<0.001						
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019				<0.001					<0.001
9/13/2019					<0.001			<0.001	
9/16/2019							8.4E-05 (J)		
9/17/2019	<0.001	<0.001	<0.001			<0.001			
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020				5.9E-05 (J)	<0.001			<0.001	<0.001
3/12/2020	<0.001	<0.001	<0.001			5.4E-05 (J)			
3/13/2020									
3/16/2020							<0.001		
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020				<0.001					<0.001
9/16/2020					<0.001		<0.001		
9/17/2020	<0.001					<0.001			
9/21/2020		<0.001	<0.001						
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									<0.001
3/17/2021				<0.001	<0.001		<0.001		
3/18/2021	<0.001					<0.001			
3/19/2021		<0.001	<0.001						
3/29/2021								<0.001	
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021				<0.001	<0.001		<0.001	<0.001	<0.001
8/10/2021	<0.001								
8/11/2021		<0.001	<0.001			<0.001			
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-11	GWC-11R	GWA-50R (bg)	GWA-50 (bg)	GWC-10R	GWC-5	GWA-3A (bg)	GWA-1 (bg)
1/31/2022									
2/1/2022					<0.001				<0.001
2/2/2022				<0.001			<0.001	<0.001	
2/3/2022									
2/4/2022	<0.001	<0.001	<0.001			<0.001			
2/7/2022									
2/17/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022					<0.001		<0.001	<0.001	<0.001
8/17/2022	<0.001			<0.001					
8/18/2022		<0.001	<0.001			<0.001			
8/19/2022									
2/13/2023									
2/14/2023									
2/16/2023				<0.001	<0.001				<0.001
2/17/2023								<0.001	
2/20/2023	<0.001	<0.001	<0.001			<0.001	<0.001		
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015	<0.001								
10/14/2015		<0.001	<0.001						
10/15/2015				<0.001					
3/10/2016					0.00116	<0.001	<0.001	<0.001	
3/11/2016									<0.001
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	<0.001								
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016		<0.001	<0.001	<0.001					
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									<0.001
5/16/2016									
5/17/2016							<0.001	<0.001	
5/18/2016					0.000768 (J)	<0.001			
5/19/2016									
5/20/2016	<0.001								
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016		<0.001							
5/31/2016				<0.001					
6/1/2016			<0.001						
7/19/2016									<0.001
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016								7E-05 (J)	
7/27/2016					0.0004 (J)	9E-05 (J)	9E-05 (J)		
7/28/2016									
7/29/2016	<0.001								
8/1/2016									
8/2/2016									
8/3/2016		<0.001							

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
8/4/2016				<0.001					
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									<0.001
9/19/2016									
9/20/2016					0.0004 (J)	<0.001	<0.001	<0.001	
9/21/2016									
9/22/2016									
9/23/2016	<0.001								
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016				<0.001					
9/30/2016		<0.001							
11/2/2016									<0.001
11/3/2016									
11/4/2016					0.0003 (J)		<0.001	<0.001	
11/7/2016						<0.001			
11/9/2016	<0.001								
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016		<0.001							
11/23/2016									
11/28/2016				<0.001					
1/17/2017									
1/18/2017									<0.001
1/19/2017									
1/20/2017					0.0003 (J)			<0.001	
1/23/2017						<0.001	<0.001		
1/24/2017									
1/30/2017									
1/31/2017	<0.001								
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017				<0.001					
2/10/2017									
2/13/2017		<0.001							
2/21/2017									
2/22/2017			<0.001						
3/24/2017									
3/27/2017									
3/28/2017							6E-05 (J)	7E-05 (J)	<0.001
3/29/2017					0.0003 (J)	7E-05 (J)			
3/30/2017	<0.001								
4/3/2017									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017		<0.001	<0.001						
4/12/2017				<0.001					
5/24/2017									
6/5/2017									
6/6/2017									<0.001
6/7/2017								6E-05 (J)	
6/8/2017					0.0003 (J)	<0.001	8E-05 (J)		
6/9/2017									
6/12/2017	<0.001								
6/13/2017									
6/14/2017		<0.001							
6/15/2017									
6/16/2017			<0.001	<0.001					
7/12/2017			6E-05 (J)						
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017			<0.001						
8/9/2017									
8/10/2017			<0.001						
8/24/2017									
9/22/2017									<0.001
9/25/2017									
9/26/2017									
9/27/2017					0.0003 (J)	6E-05 (J)			
9/29/2017							9E-05 (J)	6E-05 (J)	
10/2/2017	<0.001								
10/3/2017									
10/4/2017		<0.001							
10/5/2017									
10/6/2017			<0.001						
10/9/2017				<0.001					
3/14/2018									
3/15/2018						<0.001	<0.001	<0.001	<0.001
3/16/2018					0.00036 (J)				
3/19/2018	<0.001								
3/20/2018									
3/21/2018				<0.001					
3/22/2018		<0.001							
3/23/2018			<0.001						
9/12/2018									<0.001
9/13/2018					0.00021 (J)	<0.001	<0.001	<0.001	
9/14/2018	<0.001								
9/17/2018									
9/18/2018		<0.001							
9/19/2018				<0.001					
9/20/2018			<0.001						

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
3/13/2019									<0.001
3/14/2019									
3/15/2019						<0.001	<0.001		
3/18/2019								<0.001	
3/19/2019					0.00027 (J)				
3/20/2019	<0.001								
3/21/2019									
3/22/2019			<0.001						
3/23/2019		<0.001		<0.001					
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019					0.00023 (J)		0.000115 (JD)	<0.001	<0.001
9/12/2019	<0.001 (D)					<0.001			
9/13/2019									
9/16/2019									
9/17/2019		<0.001 (D)							
9/18/2019			<0.001	<0.001					
3/6/2020									
3/9/2020					0.00021 (J)	<0.001	9E-05 (J)		<0.001
3/10/2020								<0.001	
3/11/2020	<0.001								
3/12/2020		<0.001							
3/13/2020				<0.001					
3/16/2020									
3/17/2020			<0.001						
9/10/2020									
9/11/2020									
9/14/2020						<0.001	<0.001	<0.001	<0.001
9/15/2020	<0.001				0.00016 (J)				
9/16/2020									
9/17/2020									
9/21/2020		<0.001							
9/22/2020			<0.001	<0.001					
3/10/2021									
3/11/2021					<0.001	<0.001	<0.001	<0.001	<0.001
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021	<0.001								
3/18/2021				<0.001					
3/19/2021		<0.001	<0.001						
3/29/2021									
8/4/2021							<0.001		
8/5/2021					<0.001	<0.001		<0.001	<0.001
8/6/2021									
8/9/2021	<0.001								
8/10/2021									
8/11/2021		<0.001		<0.001					
8/12/2021			<0.001						

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWC-12	GWC-13RZ	GWC-13	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-43R (bg)
1/31/2022							<0.001	<0.001	<0.001
2/1/2022	<0.001				<0.001	<0.001			
2/2/2022		<0.001							
2/3/2022									
2/4/2022			<0.001						
2/7/2022									
2/17/2022				<0.001					
8/10/2022									<0.001
8/11/2022									
8/12/2022									
8/15/2022					<0.001	<0.001	<0.001	<0.001	
8/16/2022	<0.001								
8/17/2022									
8/18/2022		<0.001		<0.001					
8/19/2022			<0.001						
2/13/2023									<0.001
2/14/2023					<0.001	<0.001	<0.001	<0.001	
2/16/2023	<0.001								
2/17/2023									
2/20/2023									
2/21/2023		<0.001							
2/22/2023			<0.001	<0.001					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.001	<0.001							
3/14/2016			<0.001						
3/15/2016				<0.001	<0.001	<0.001			
3/16/2016							<0.001	<0.001	<0.001
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016			<0.001	<0.001					
5/12/2016					<0.001				
5/13/2016	<0.001					<0.001			
5/16/2016		<0.001					<0.001 (D)	<0.001	<0.001 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016	<0.001 (*)		<0.001 (*)						
7/20/2016					<0.001				
7/21/2016				<0.001		<0.001			
7/22/2016		0.0002 (J)							
7/25/2016							<0.001 (D)	<0.001	<0.001 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.001	<0.001	<0.001				
9/16/2016	<0.001								
9/19/2016		<0.001					<0.001 (D)	<0.001	<0.001 (D)
9/20/2016									
9/21/2016						<0.001			
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.001		<0.001						
11/3/2016		<0.001		<0.001	<0.001	<0.001	<0.001 (D)	<0.001	
11/4/2016									<0.001 (D)
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017		<0.001		<0.001		<0.001			
1/18/2017	<0.001		<0.001		<0.001				
1/19/2017								<0.001	
1/20/2017							<0.001 (D)		
1/23/2017									<0.001 (D)
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017				<0.001	<0.001				
3/27/2017		<0.001				<0.001			
3/28/2017	5E-05 (J)		5E-05 (J)					5E-05 (J)	
3/29/2017							<0.001 (D)		<0.001 (D)
3/30/2017									
4/3/2017									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017				<0.001					
6/5/2017								5E-05 (J)	
6/6/2017	<0.001				<0.001	0.0002 (J)			
6/7/2017		<0.001	<0.001				<0.001		<0.001
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.001								
9/25/2017					<0.001	<0.001			
9/26/2017		<0.001	7E-05 (J)	<0.001				<0.001	
9/27/2017							<0.001		<0.001
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/15/2018							<0.001	<0.001	<0.001
3/16/2018									
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.001		<0.001	<0.001	<0.001	<0.001		<0.001	
9/13/2018							<0.001		<0.001
9/14/2018		<0.001							
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
3/13/2019	<0.001			<0.001					
3/14/2019		<0.001			<0.001	<0.001	<0.001 (D)	<0.001	<0.001 (D)
3/15/2019			<0.001						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.001	<0.001					
9/10/2019		<0.001			<0.001 (D)	<0.001			
9/11/2019	6.2E-05 (J)						<0.001 (D)	<0.001	<0.001 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020		8.6E-05 (J)			<0.001				
3/9/2020	<0.001		<0.001	7.8E-05 (J)		6.1E-05 (J)			
3/10/2020							<0.001	<0.001	<0.001
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020		<0.001	<0.001		<0.001	<0.001			
9/11/2020	<0.001			<0.001			<0.001		<0.001
9/14/2020									
9/15/2020								<0.001	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021				<0.001		<0.001			
3/11/2021	<0.001	<0.001			<0.001		<0.001	<0.001	<0.001
3/12/2021			<0.001						
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021		<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
8/5/2021									
8/6/2021	<0.001						<0.001		<0.001
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45R	GWC-44	GWC-45
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
2/1/2022							<0.001		<0.001
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
8/10/2022		<0.001	<0.001						
8/11/2022	<0.001				<0.001	<0.001			
8/12/2022				<0.001			<0.001		<0.001
8/15/2022								<0.001	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023		<0.001	<0.001	<0.001	<0.001	<0.001			
2/14/2023	<0.001						<0.001	<0.001	<0.001
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/30/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.001	<0.001			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.001 (D)		
5/17/2016					
5/18/2016	<0.001	<0.001			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.001	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	0.0001 (J)		0.0002 (JD)		
7/28/2016		<0.001			
7/29/2016					
8/1/2016					
8/2/2016				<0.001	
8/3/2016					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.001	<0.001			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.001	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016	<0.001				
11/7/2016		<0.001			
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				<0.001	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	<0.001	<0.001			
1/30/2017					
1/31/2017					
2/1/2017				<0.001	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.001		
2/22/2017					<0.001
3/24/2017					
3/27/2017			<0.001 (D)		
3/28/2017					
3/29/2017	<0.001				
3/30/2017		5E-05 (J)			
4/3/2017					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/6/2017				<0.001	
4/7/2017					<0.001
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	<0.001		<0.001 (D)		
6/9/2017		<0.001			
6/12/2017					
6/13/2017				<0.001	
6/14/2017					<0.001 (D)
6/15/2017					
6/16/2017					
7/12/2017					<0.001 (D)
7/14/2017				<0.001	
7/17/2017			<0.001 (D)		
7/20/2017					<0.001 (D)
7/26/2017					
7/27/2017			<0.001		
7/28/2017					<0.001
8/9/2017			<0.001		<0.001
8/10/2017					
8/24/2017					<0.001
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.001	<0.001	<0.001 (D)		
10/2/2017					
10/3/2017				<0.001	<0.001 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.001	<0.001			
3/16/2018			<0.001		
3/19/2018					
3/20/2018				<0.001	
3/21/2018					<0.001
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018	<0.001				
9/14/2018		<0.001	<0.001		
9/17/2018					
9/18/2018				<0.001	<0.001
9/19/2018					
9/20/2018					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/13/2019					
3/14/2019			<0.001		
3/15/2019					
3/18/2019	<0.001				
3/19/2019		<0.001			
3/20/2019					
3/21/2019				<0.001	<0.001 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.001	<0.001			
9/12/2019					<0.001 (D)
9/13/2019				5.7E-05 (J)	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020		<0.001	<0.001		
3/10/2020					
3/11/2020	<0.001				
3/12/2020				0.00022 (J)	<0.001
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020	<0.001				
9/14/2020		<0.001			
9/15/2020					
9/16/2020			<0.001	0.00019 (J)	
9/17/2020					<0.001
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.001	<0.001			
3/16/2021			<0.001		<0.001
3/17/2021				0.00015 (J)	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021		<0.001			
8/6/2021			<0.001		
8/9/2021					
8/10/2021				<0.001	<0.001
8/11/2021	<0.001				
8/12/2021					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/27/2023 2:34 PM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
1/31/2022					
2/1/2022	<0.001	<0.001			
2/2/2022			<0.001	<0.001	
2/3/2022					<0.001
2/4/2022					
2/7/2022					
2/17/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.001	<0.001			
8/16/2022			<0.001		
8/17/2022				0.00024 (J)	<0.001
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.001	<0.001	<0.001		
2/16/2023					
2/17/2023					<0.001
2/20/2023				<0.001	
2/21/2023					
2/22/2023					

FIGURE G.

Appendix I Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP

Appendix I Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	2	223	No	40	40	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	40	223	No	40	42.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39RZ (bg)	-0.00006104	-16	-68	No	18	22.22	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39Z (bg)	0	12	81	No	20	35	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3A (bg)	0	-60	-223	No	40	67.5	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	-5	-81	No	20	90	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	-11	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41R (bg)	0	-10	-81	No	20	55	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43R (bg)	0	-11	-81	No	20	70	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	50	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	0	-46	-184	No	35	88.57	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-24	-184	No	35	97.14	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-49R	0	10	81	No	20	55	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0007304	-386	-223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004924	103	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.000543	191	214	No	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39RZ (bg)	-0.0003453	-19	-74	No	19	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39Z (bg)	-0.0001633	-6	-81	No	20	5	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3A (bg)	-0.0001784	-133	-152	No	31	3.226	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-40 (bg)	-0.0003677	-79	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001065	-73	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.0004941	19	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-42 (bg)	0	8	81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.002394	-103	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0002083	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003935	130	81	Yes	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003764	-213	-176	Yes	34	2.941	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007352	-284	-161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.00644	499	214	Yes	39	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001021	79	81	No	20	0	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-1 (bg)	0	-77	-206	No	38	76.32	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2 (bg)	0	-74	-206	No	38	68.42	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-2R (bg)	0	-59	-223	No	40	85	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39RZ (bg)	0	2	74	No	19	47.37	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-39Z (bg)	0	-10	-74	No	19	94.74	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-3A (bg)	0	-79	-191	No	36	80.56	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-40 (bg)	0	-10	-81	No	20	80	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41 (bg)	0	-3	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-41R (bg)	0	-2	-81	No	20	90	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-42 (bg)	0	-7	-81	No	20	95	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43 (bg)	0	-17	-81	No	20	75	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-43R (bg)	0	3	81	No	20	45	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-4RZ (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50 (bg)	0	35	184	No	35	88.57	n/a	n/a	0.01	NP
Chromium (mg/L)	GWA-50R (bg)	0	150	184	No	35	71.43	n/a	n/a	0.01	NP
Chromium (mg/L)	GWC-45R	0	6	81	No	20	80	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-1 (bg)	0	-159	-191	No	36	66.67	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2 (bg)	0	-97	-191	No	36	72.22	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2R (bg)	0	-140	-191	No	36	61.11	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39RZ (bg)	0	3	48	No	14	85.71	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-39Z (bg)	0	14	74	No	19	84.21	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-3A (bg)	-0.001445	-248	-184	Yes	35	14.29	n/a	n/a	0.01	NP

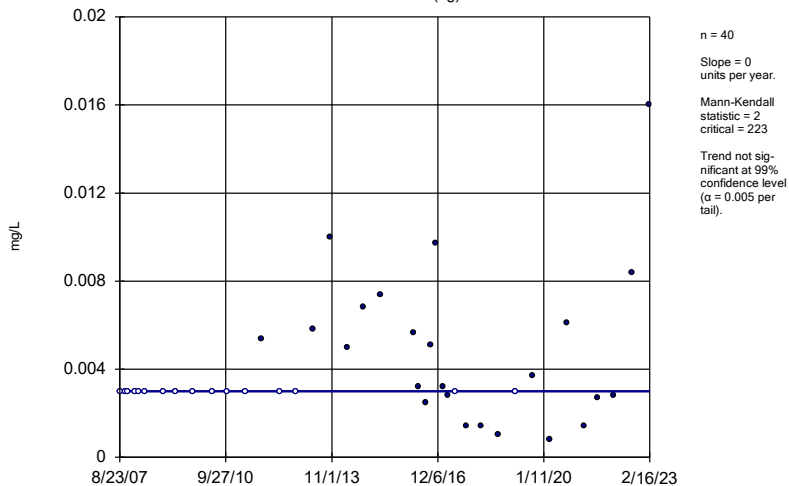
Appendix I Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:54 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Copper (mg/L)	GWA-40 (bg)	0	-4	-74	No	19	94.74	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41 (bg)	0	8	74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-41R (bg)	0	-25	-74	No	19	52.63	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-42 (bg)	0	5	74	No	19	89.47	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43 (bg)	0	-20	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-43R (bg)	0	-10	-74	No	19	78.95	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-4RZ (bg)	0	13	43	No	13	76.92	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50 (bg)	-0.0006787	-345	-146	Yes	30	13.33	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-50R (bg)	-0.001264	-250	-139	Yes	29	3.448	n/a	n/a	0.01	NP
Copper (mg/L)	GWC-44	0	-4	-74	No	19	63.16	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-1.648	-2.58	No	41	97.56	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-0.3025	-2.58	No	41	95.12	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2R (bg)	0	0	2.58	No	41	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39RZ (bg)	0	-2	-74	No	19	94.74	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39Z (bg)	0	-13	-81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3A (bg)	0	-39	-223	No	40	97.5	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-40 (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41 (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41R (bg)	0	-31	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-42 (bg)	0	-30	-81	No	20	85	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43R (bg)	0	-13	-81	No	20	90	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4RZ (bg)	0	15	81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50 (bg)	0	8	184	No	35	97.14	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50R (bg)	0	0	184	No	35	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-48	0	-41	-87	No	21	61.9	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	0	-173	-184	No	35	74.29	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	0	-47	-176	No	34	70.59	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2R (bg)	0	-77	-184	No	35	80	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39RZ (bg)	0	-10	-53	No	15	66.67	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39Z (bg)	-0.00006863	-24	-68	No	18	38.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.002007	-388	-161	Yes	32	15.63	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	74	No	19	100	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41 (bg)	0	25	74	No	19	63.16	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41R (bg)	0	-18	-74	No	19	57.89	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-42 (bg)	-0.00005021	-51	-74	No	19	10.53	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43 (bg)	0.000006697	34	74	No	19	42.11	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43R (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4RZ (bg)	0	3	43	No	13	84.62	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001556	-157	-146	Yes	30	43.33	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004833	-354	-146	Yes	30	3.333	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002105	66	74	No	19	5.263	n/a	n/a	0.01	NP

Sen's Slope Estimator

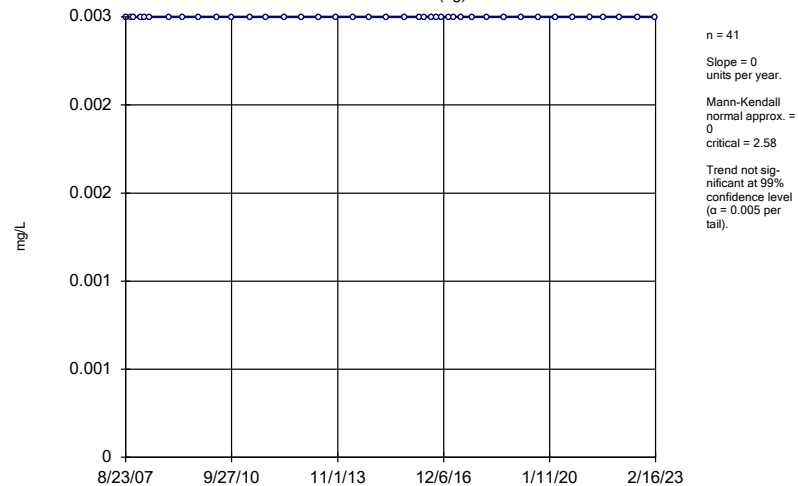
GWA-1 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

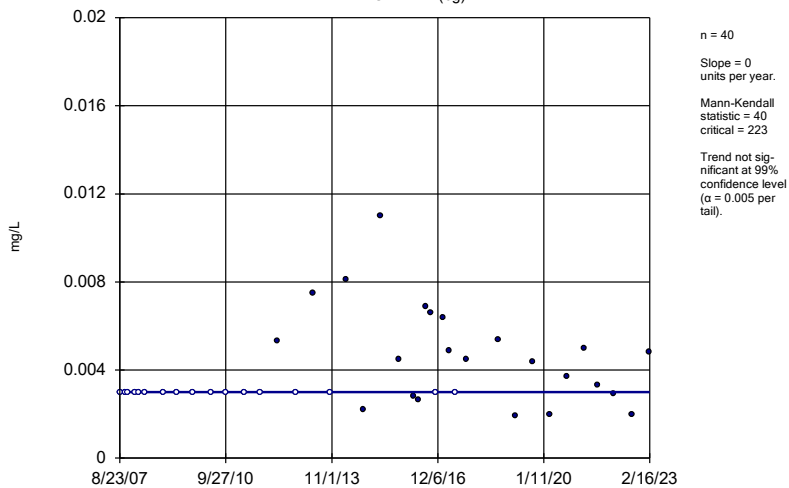
GWA-2 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

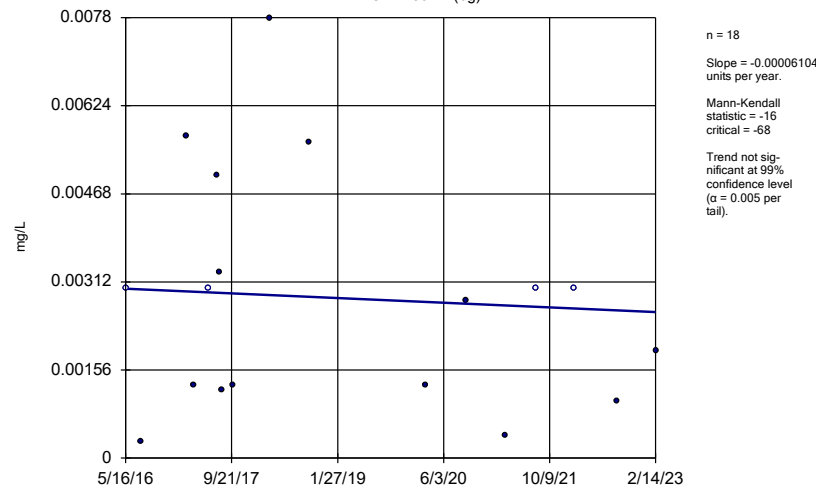
GWA-2R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

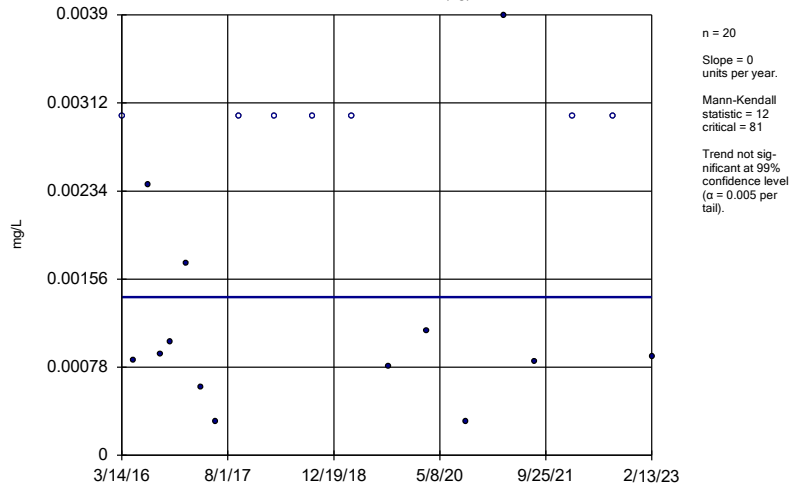
GWA-39RZ (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

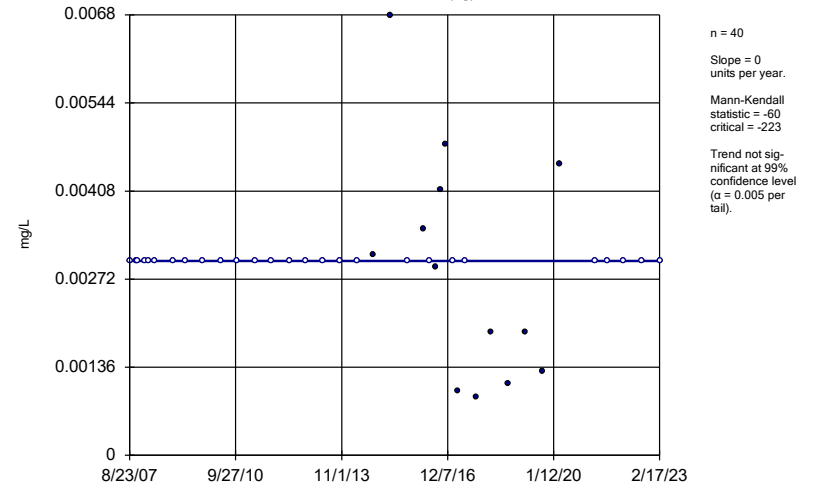
GWA-39Z (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

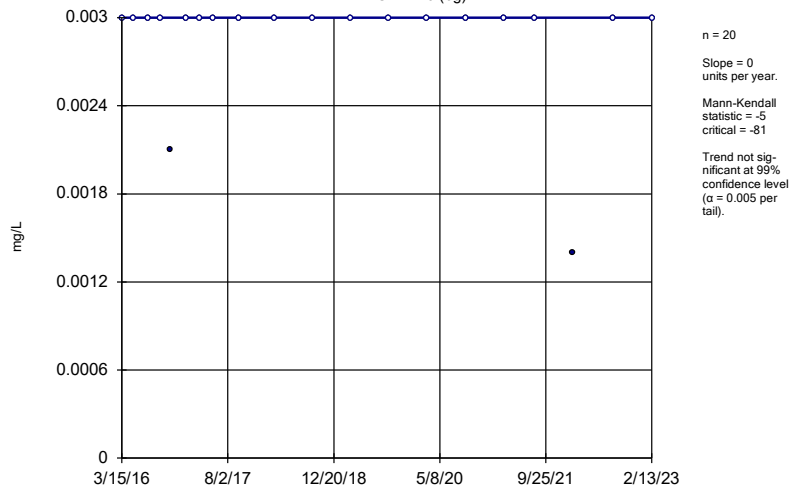
GWA-3A (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

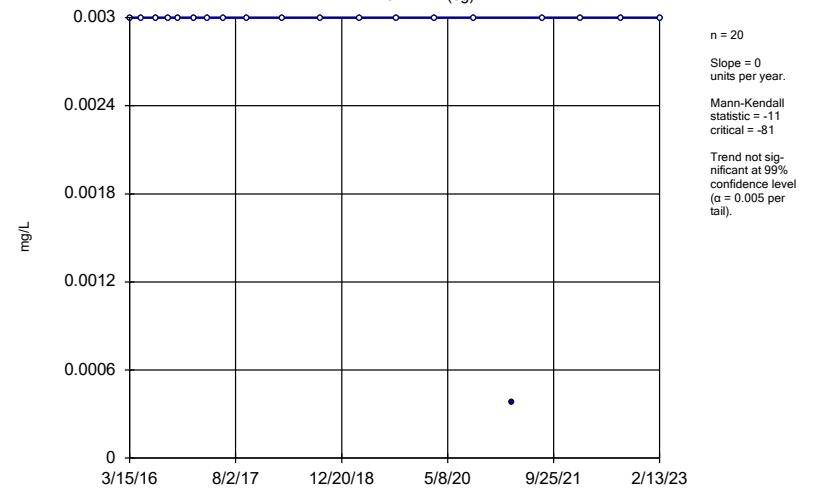
GWA-40 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

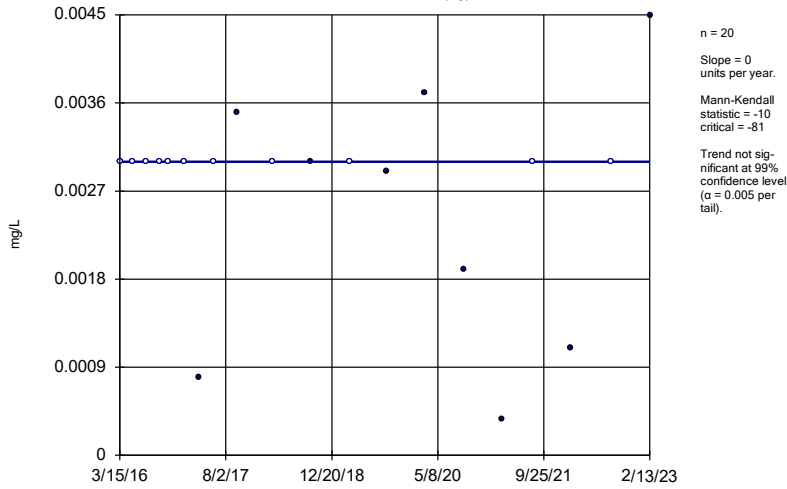
GWA-41 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

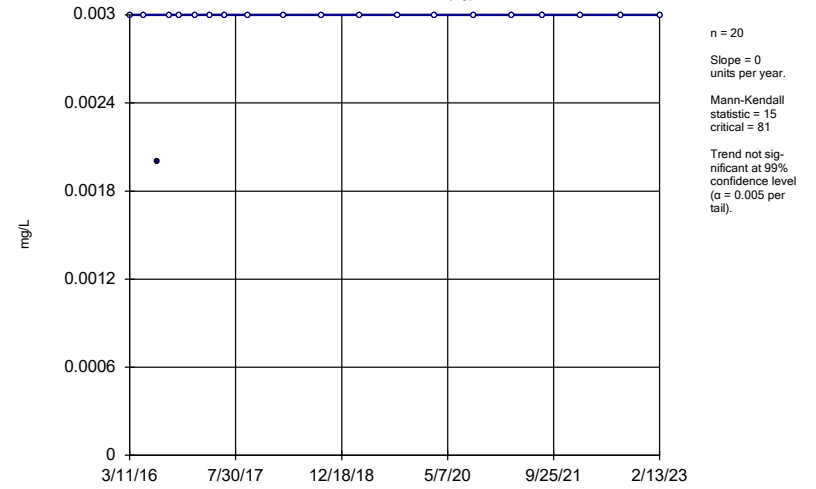
GWA-41R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

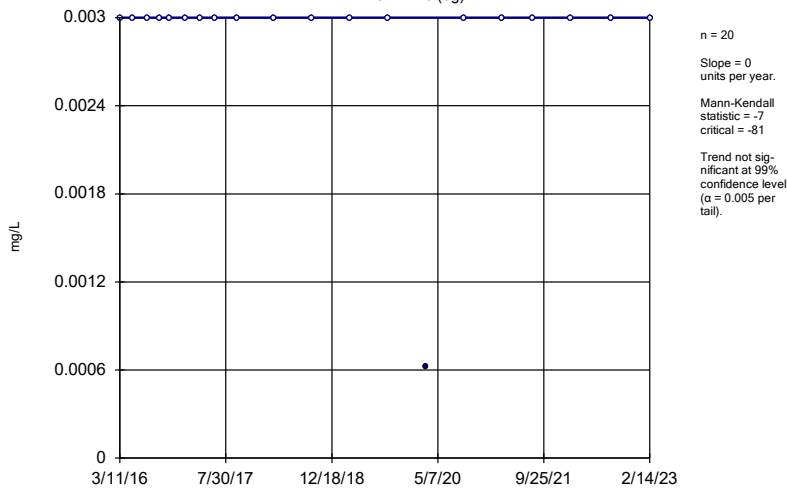
GWA-42 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

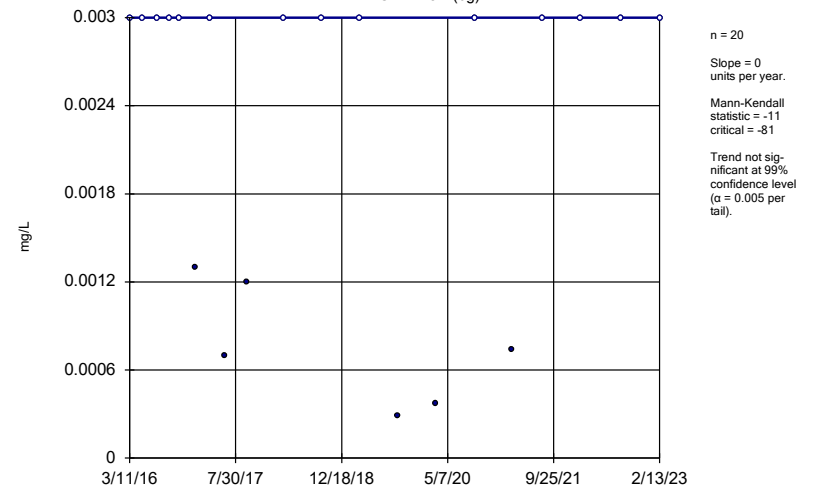
GWA-43 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

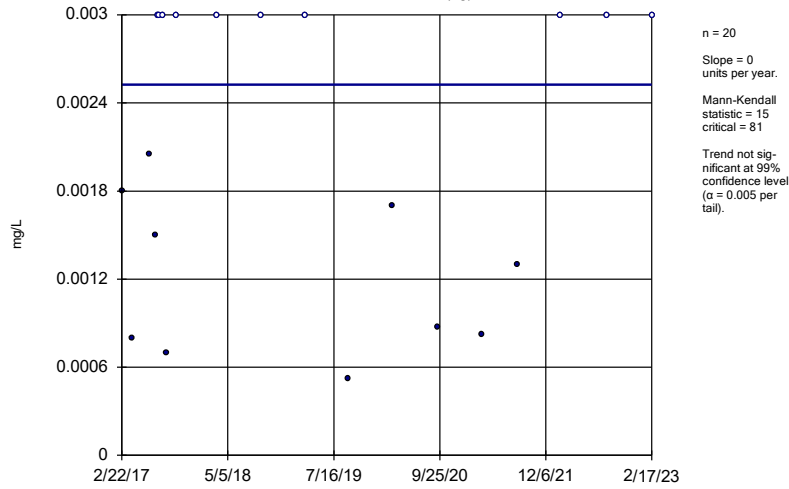
GWA-43R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

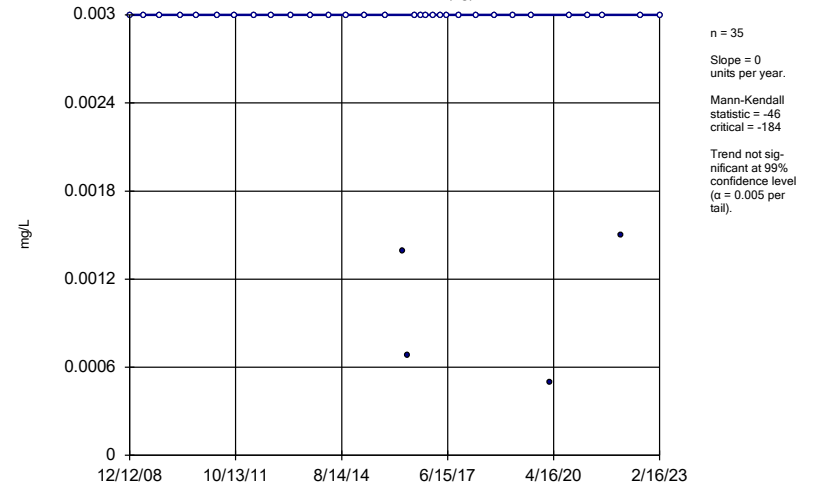
GWA-4RZ (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

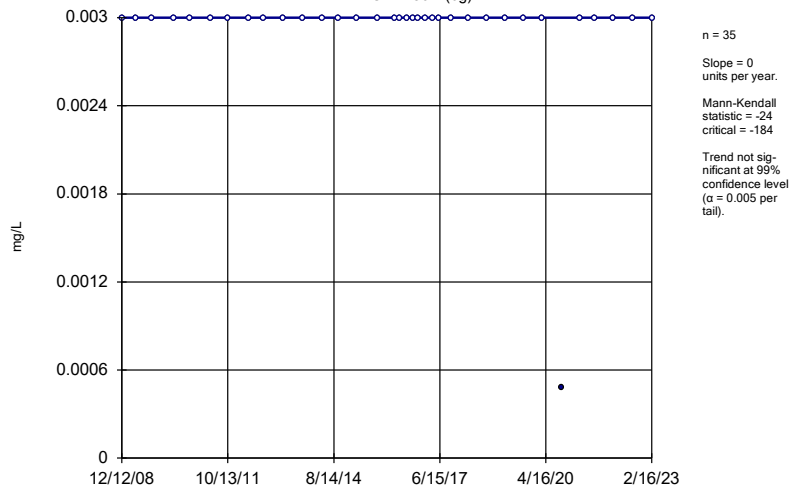
GWA-50 (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

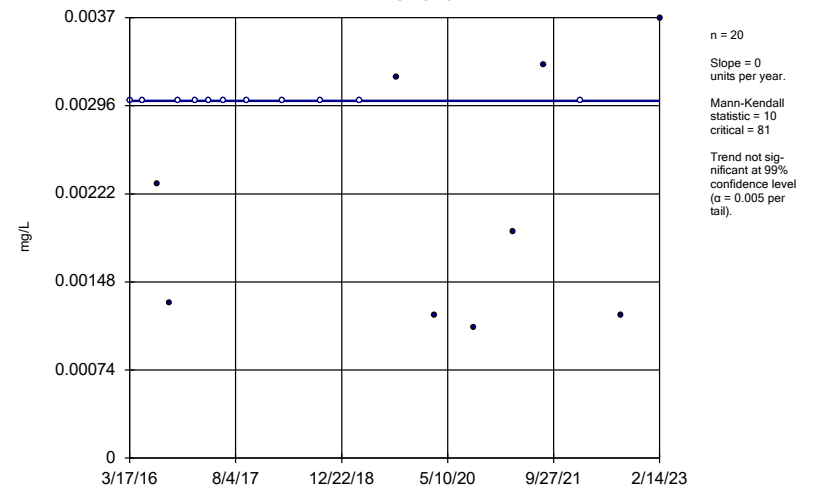
GWA-50R (bg)



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

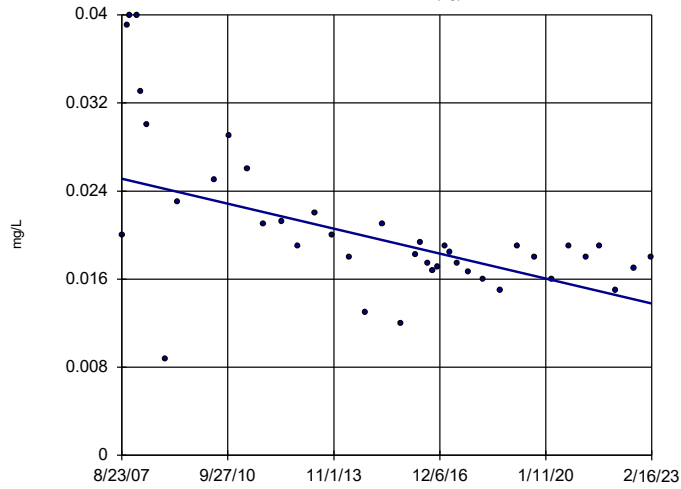
GWC-49R



Constituent: Antimony Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

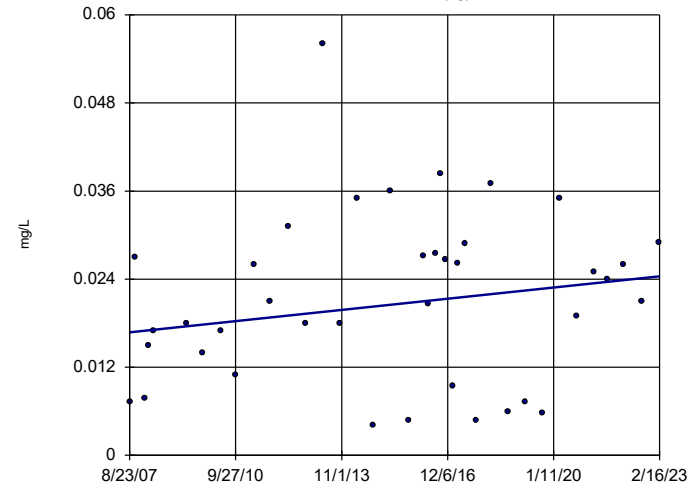


n = 40
 Slope = -0.0007304
 units per year.
 Mann-Kendall
 statistic = -386
 critical = -223
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

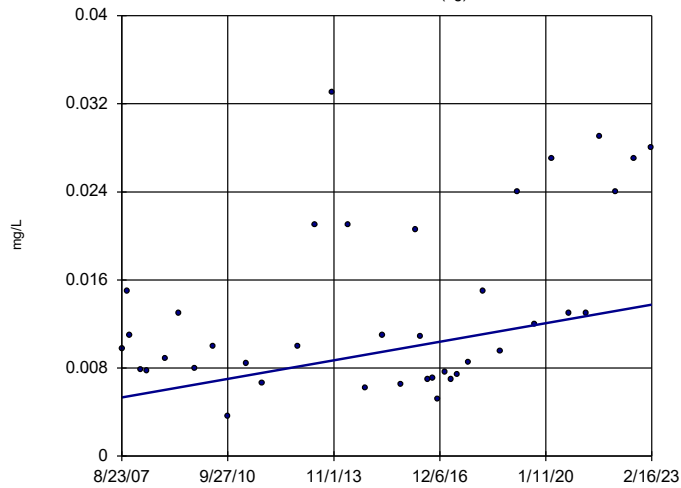


n = 39
 Slope = 0.0004924
 units per year.
 Mann-Kendall
 statistic = 103
 critical = 214
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

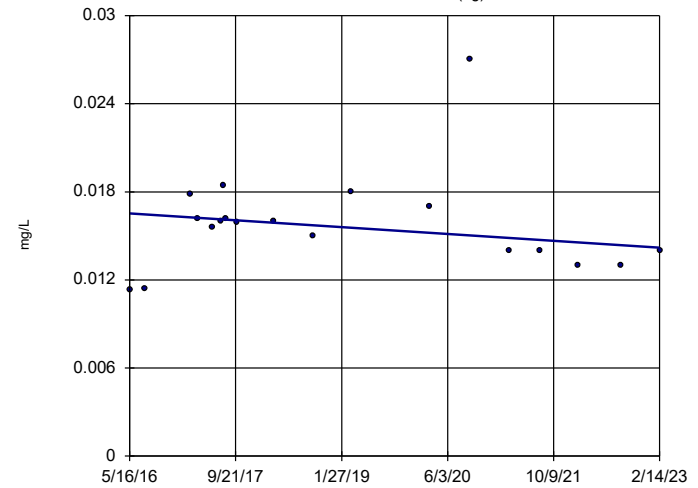


n = 39
 Slope = 0.000543
 units per year.
 Mann-Kendall
 statistic = 191
 critical = 214
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

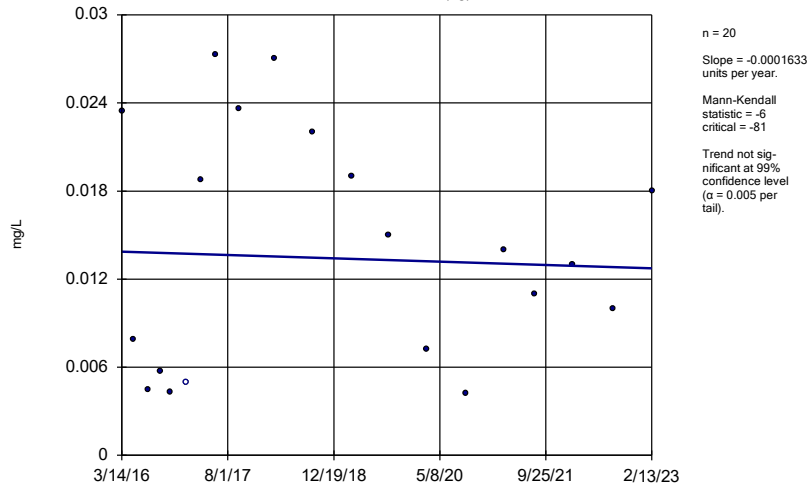


n = 19
 Slope = -0.0003453
 units per year.
 Mann-Kendall
 statistic = -19
 critical = -74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

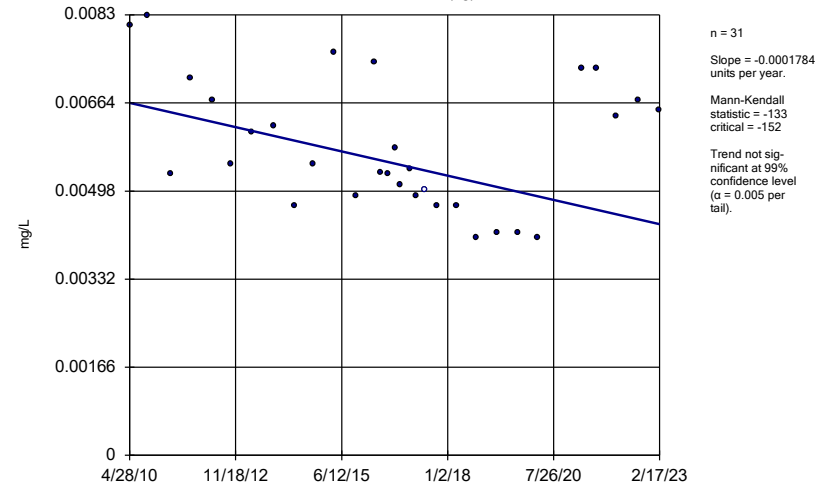
GWA-39Z (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

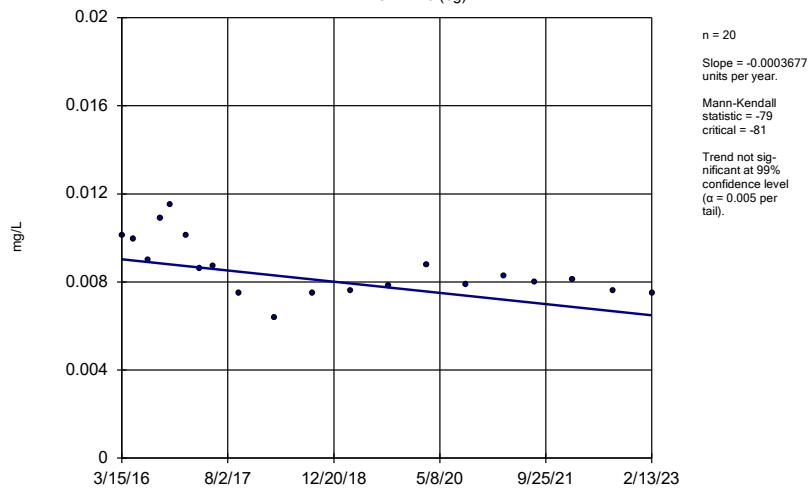
GWA-3A (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

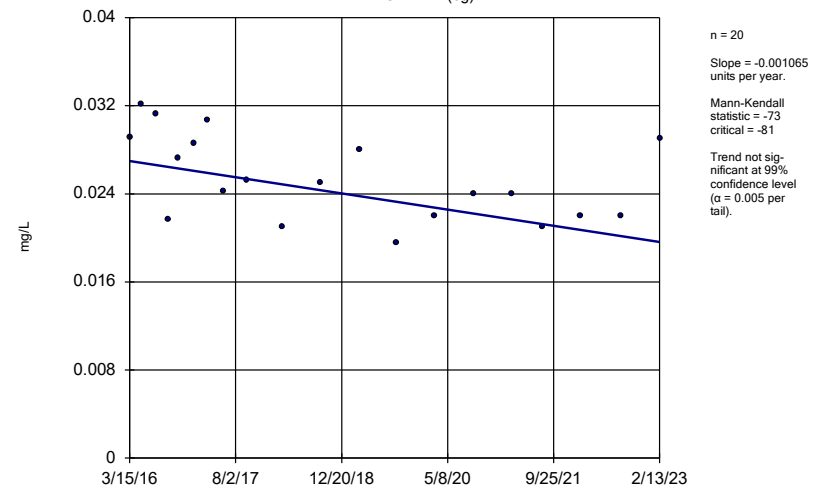
GWA-40 (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

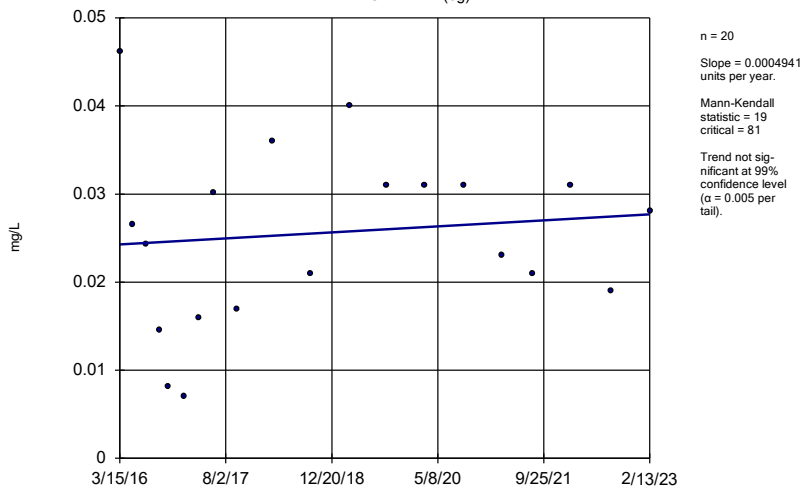
GWA-41 (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

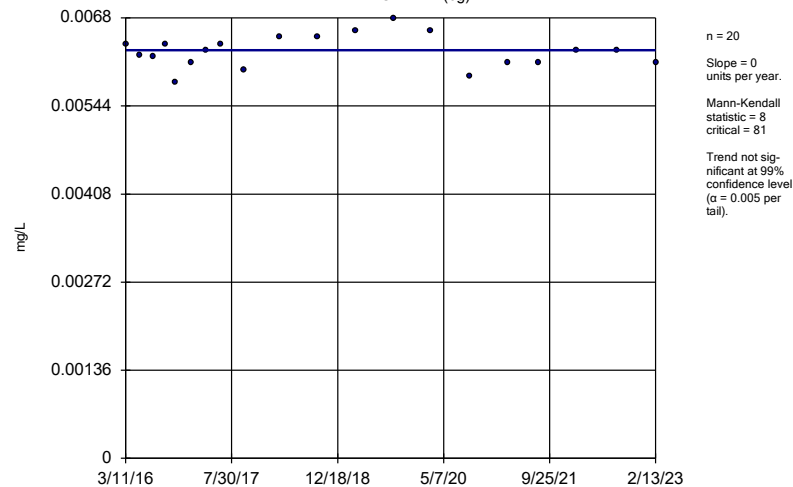
GWA-41R (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

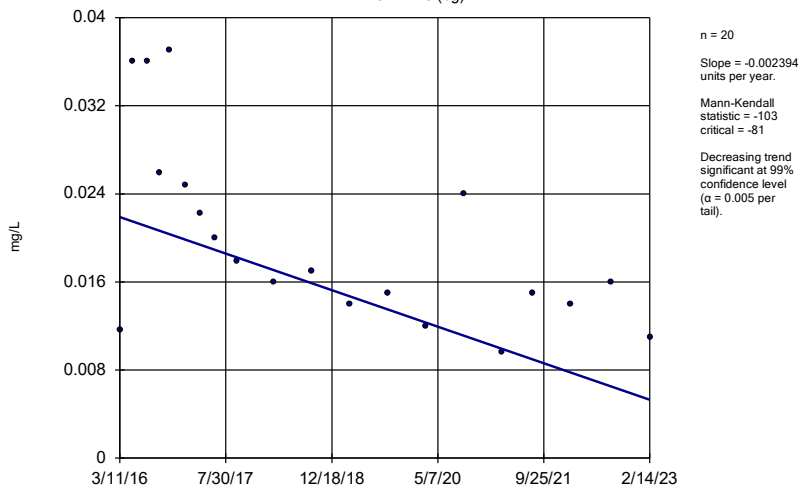
GWA-42 (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

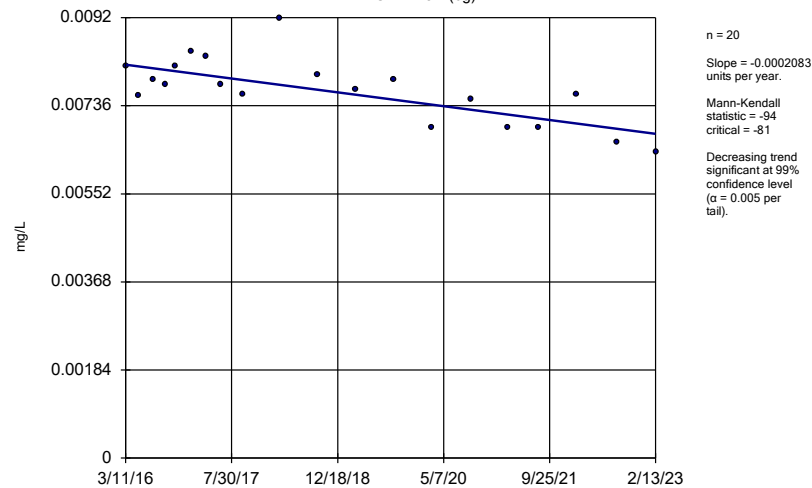
GWA-43 (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

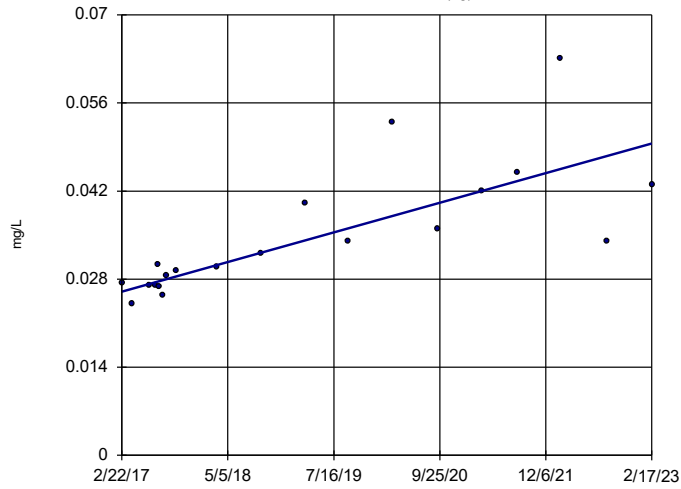
GWA-43R (bg)



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-4RZ (bg)

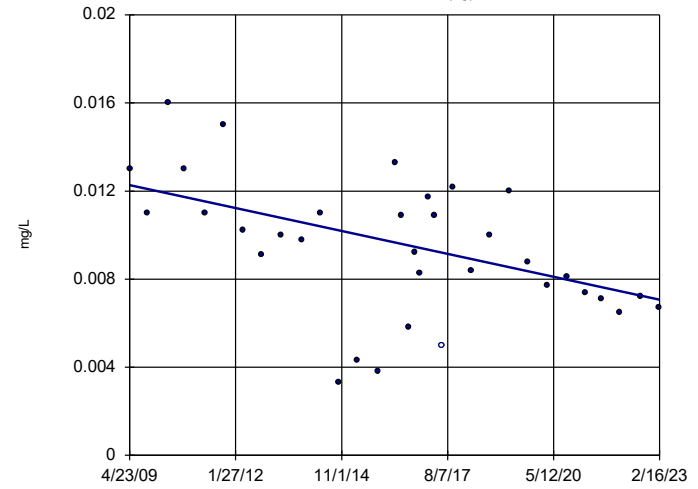


n = 20
 Slope = 0.003935
 units per year.
 Mann-Kendall
 statistic = 130
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

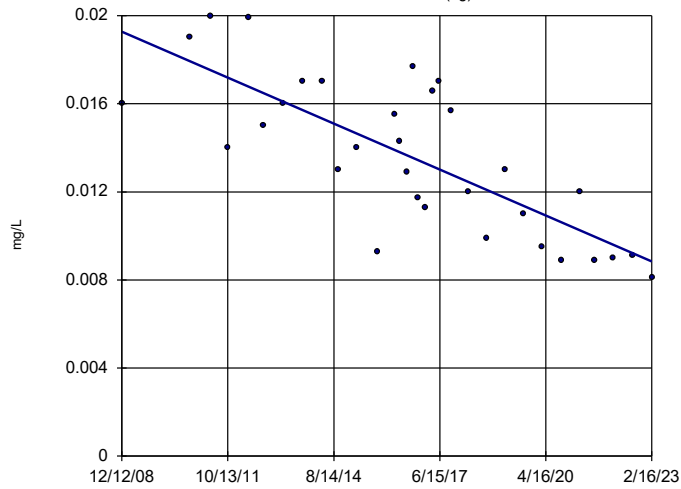


n = 34
 Slope = -0.0003764
 units per year.
 Mann-Kendall
 statistic = -213
 critical = -176
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

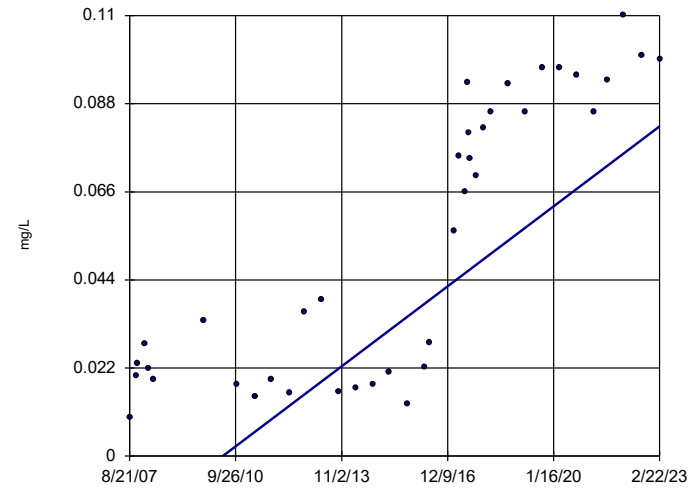


n = 32
 Slope = -0.0007352
 units per year.
 Mann-Kendall
 statistic = -284
 critical = -161
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-13RZ

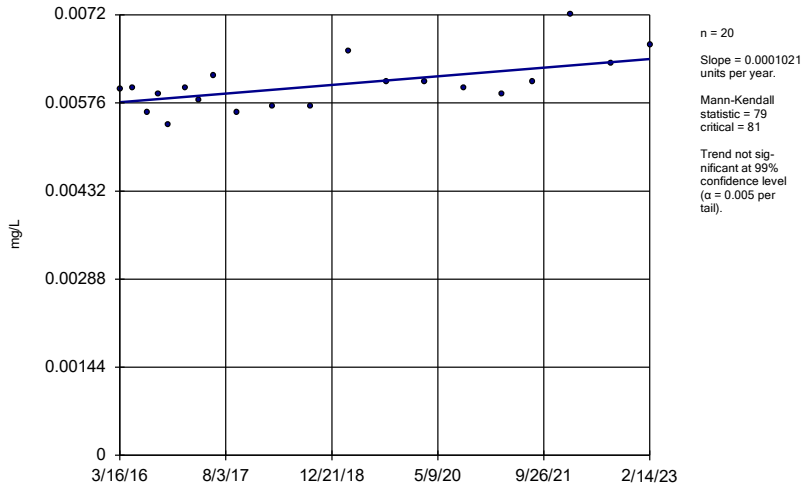


n = 39
 Slope = 0.00644
 units per year.
 Mann-Kendall
 statistic = 499
 critical = 214
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

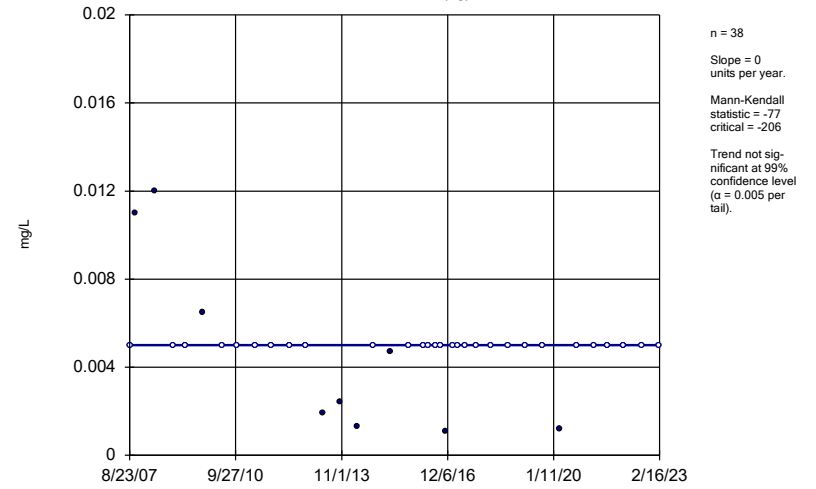
GWC-45



Constituent: Barium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

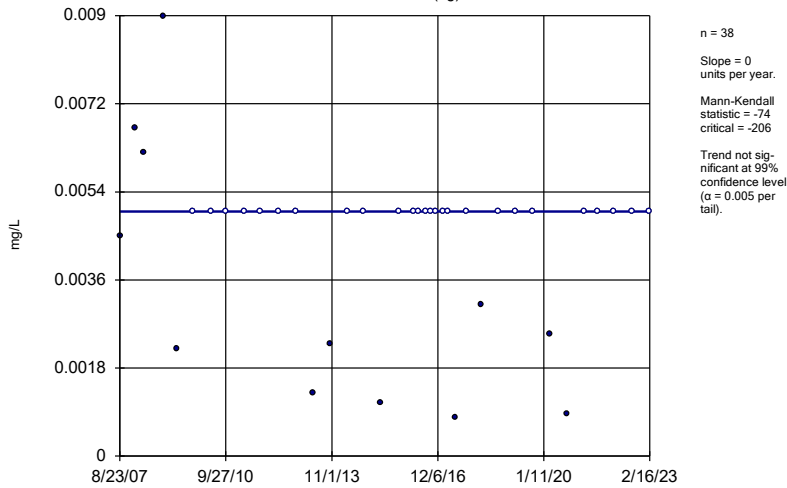
GWA-1 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

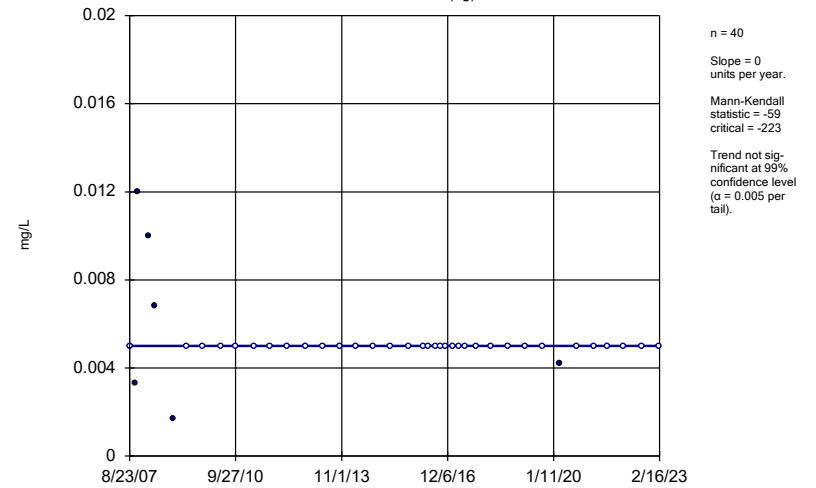
GWA-2 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

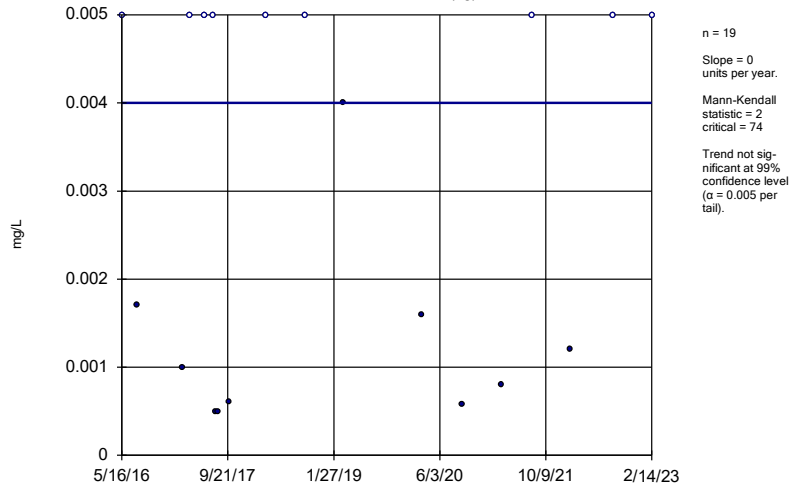
GWA-2R (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

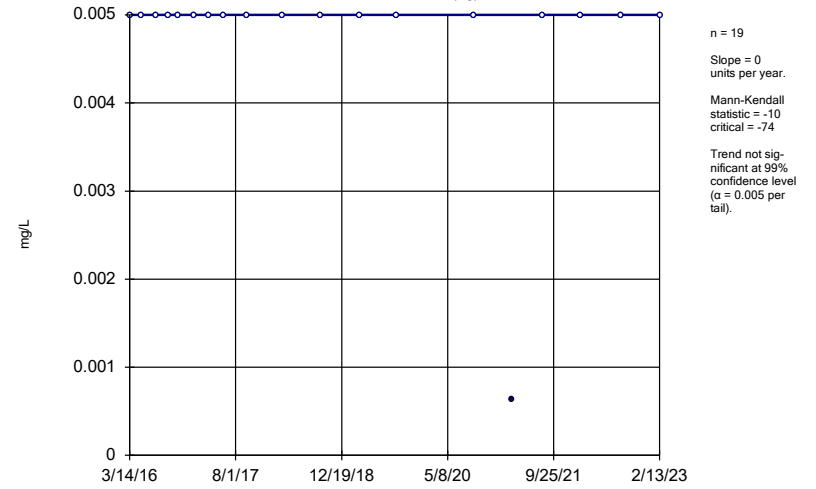
GWA-39RZ (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

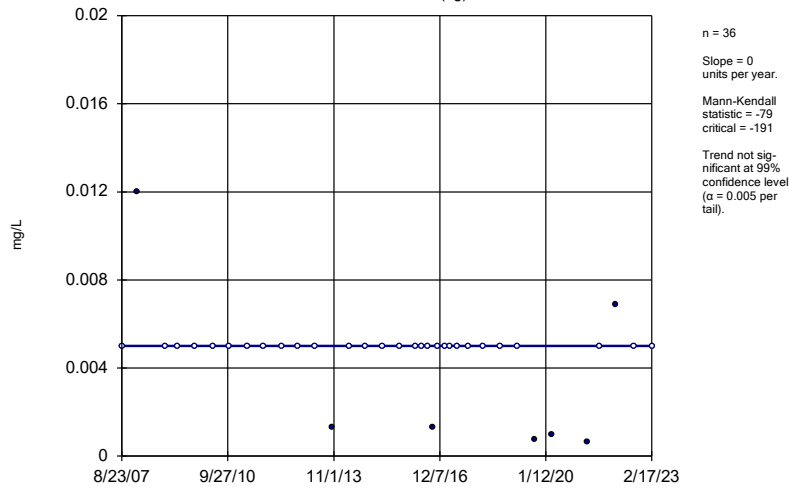
GWA-39Z (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

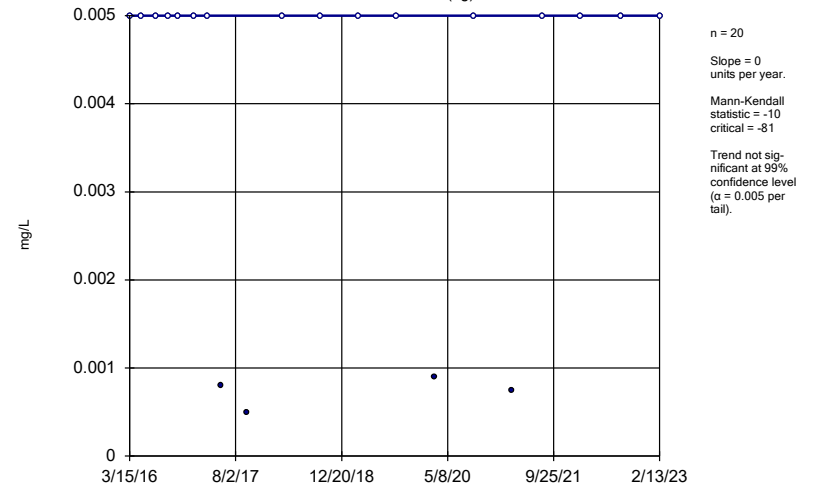
GWA-3A (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

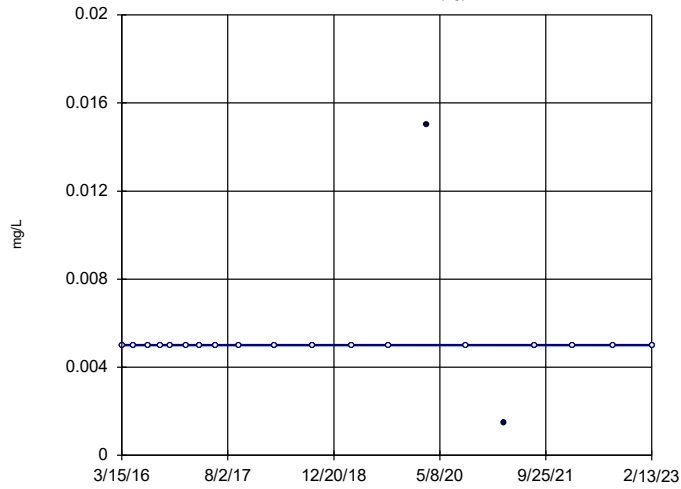
GWA-40 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

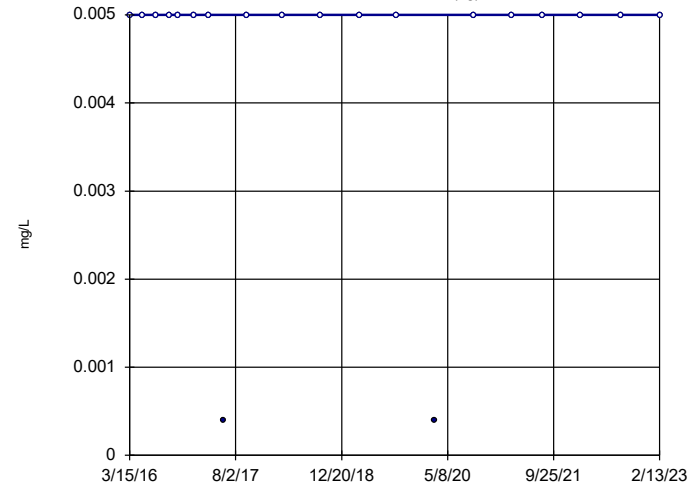


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -3
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

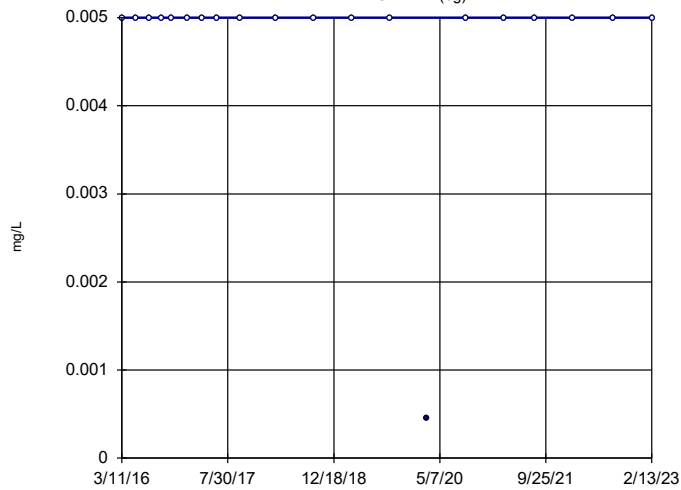


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -2
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

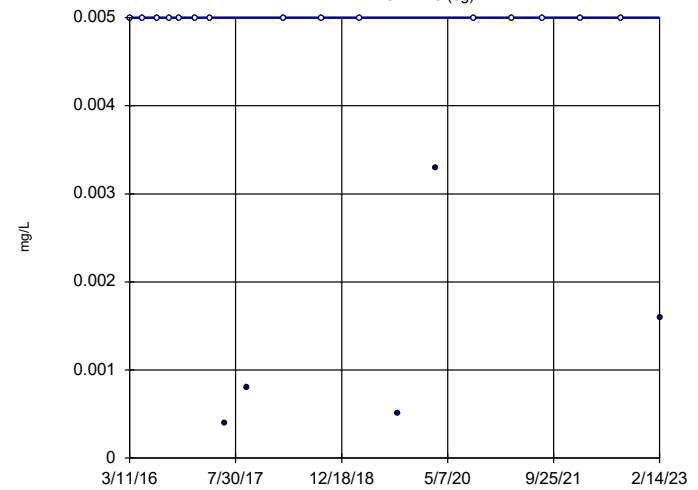


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -7
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

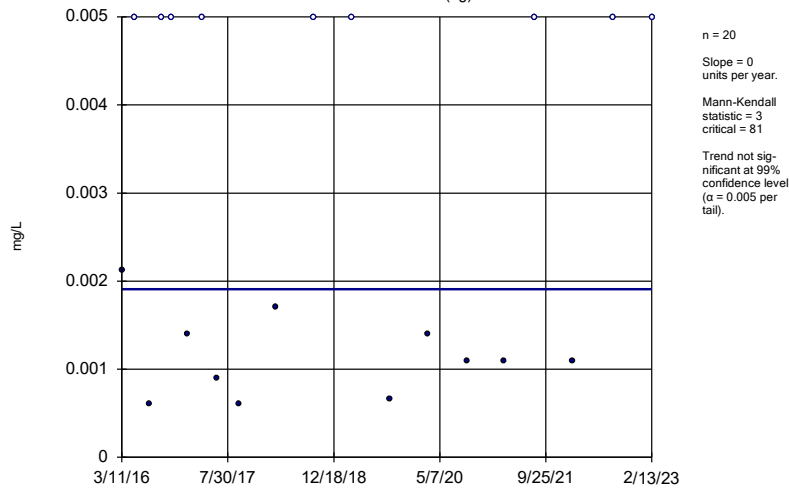


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -17
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

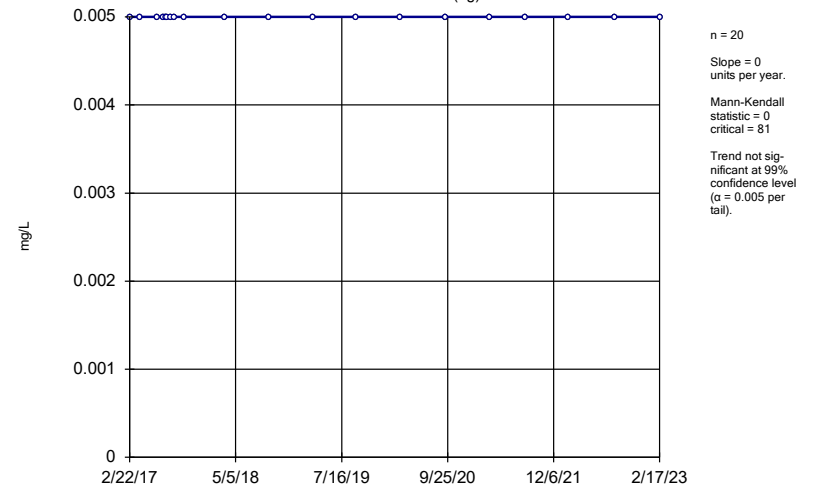
GWA-43R (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

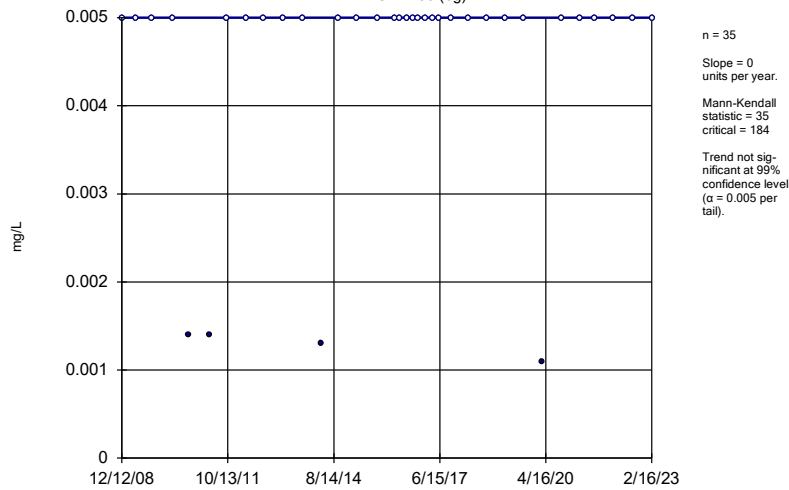
GWA-4RZ (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

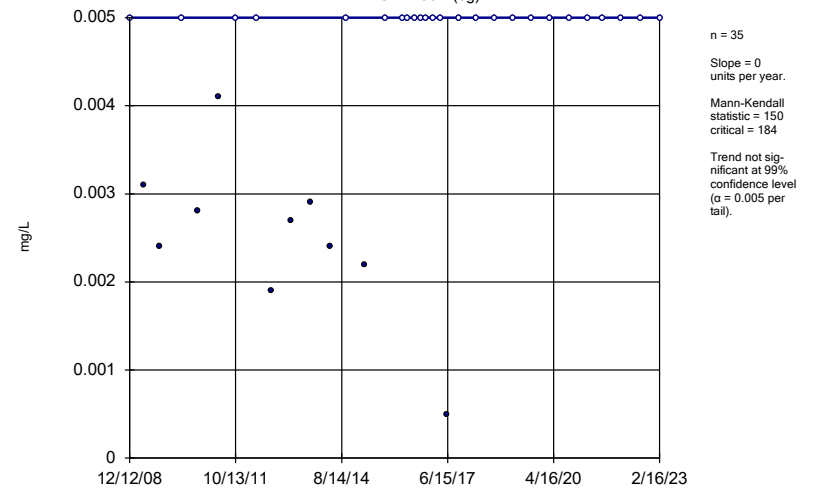
GWA-50 (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

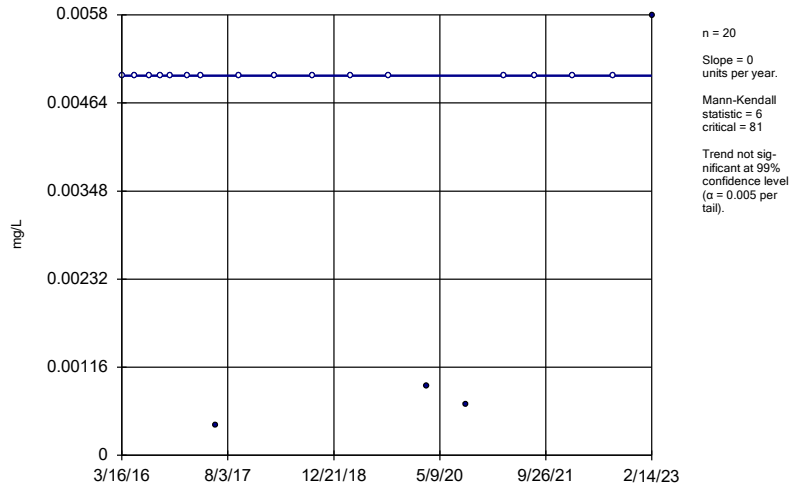
GWA-50R (bg)



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

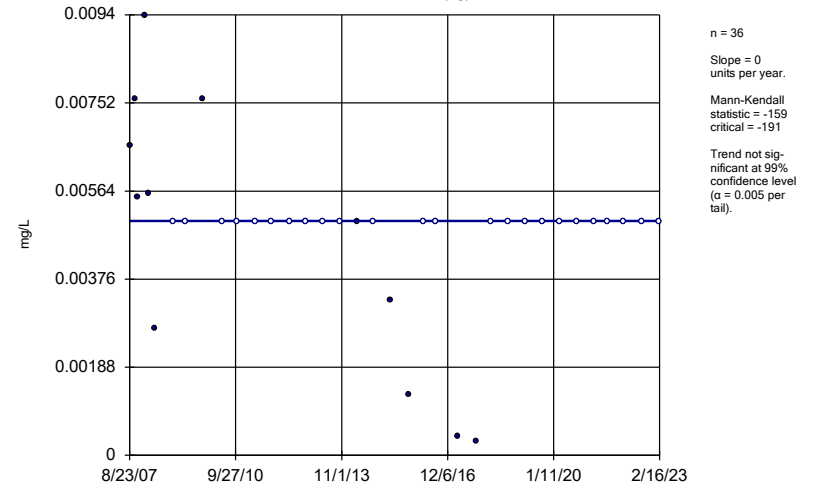
GWC-45R



Constituent: Chromium Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

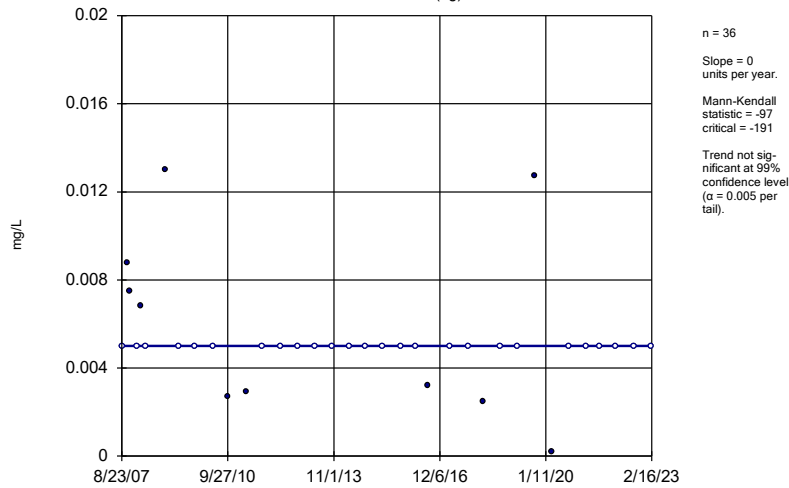
GWA-1 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

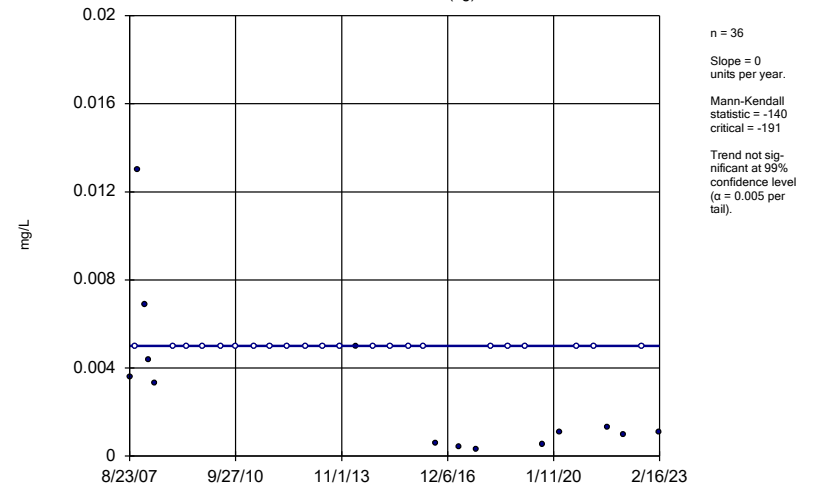
GWA-2 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

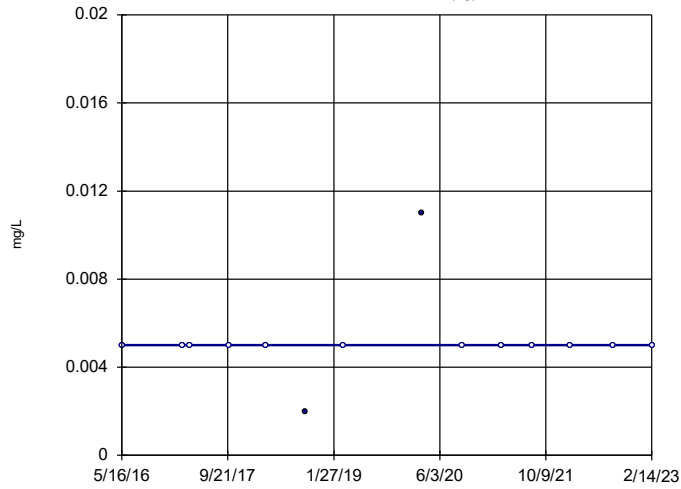
GWA-2R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

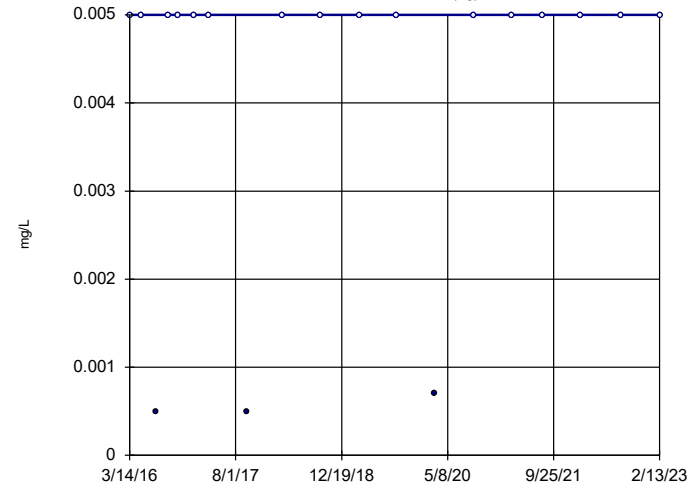


n = 14
Slope = 0
units per year.
Mann-Kendall
statistic = 3
critical = 48
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

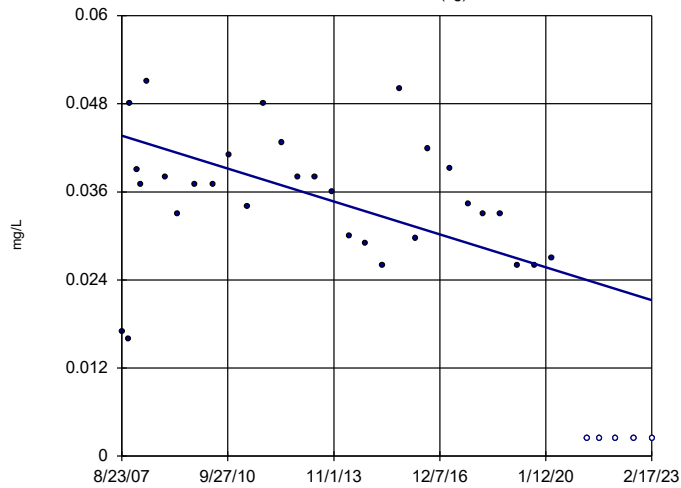


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 14
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

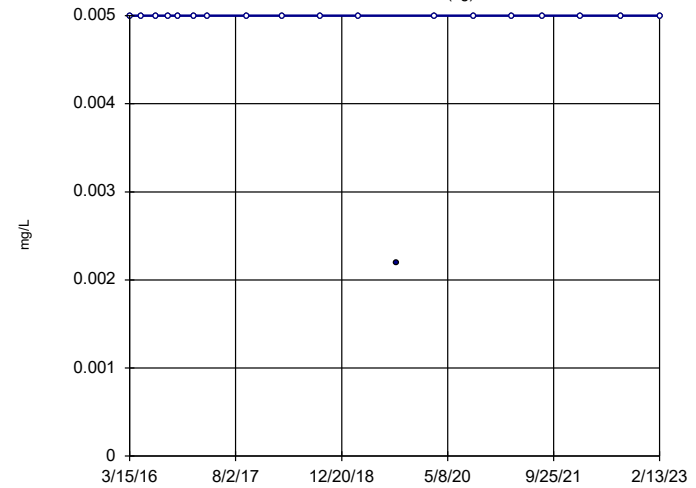


n = 35
Slope = -0.001445
units per year.
Mann-Kendall
statistic = -248
critical = -184
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

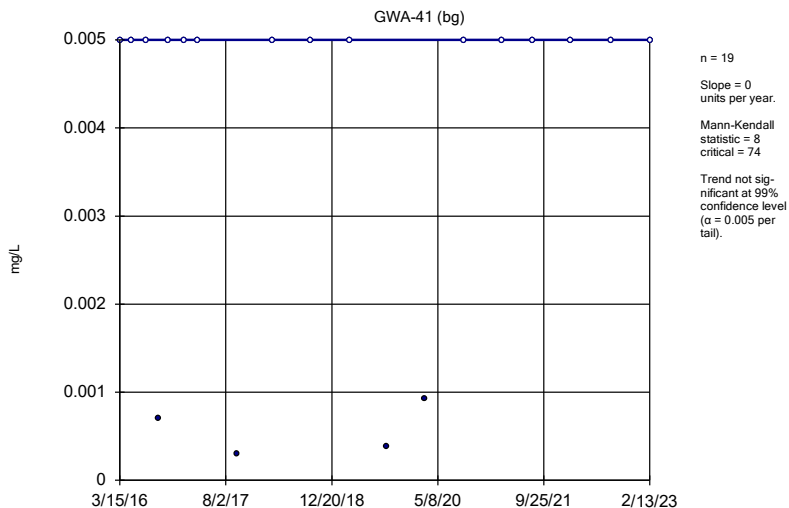
GWA-40 (bg)



n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -4
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

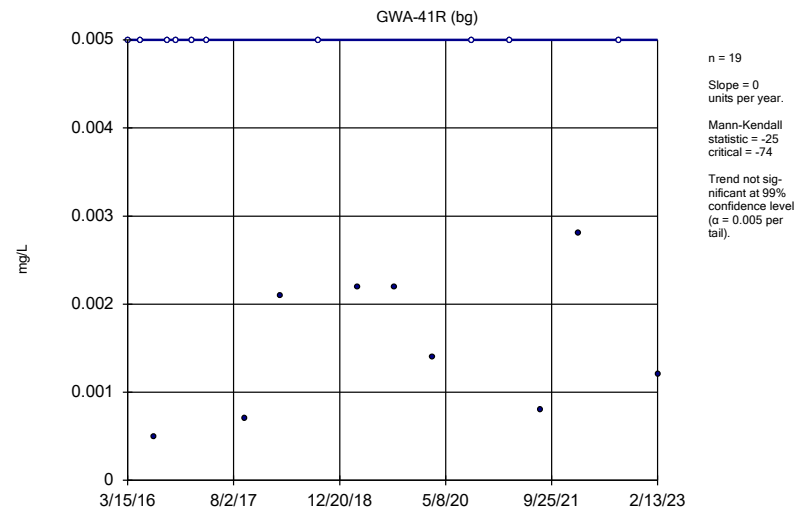
Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator



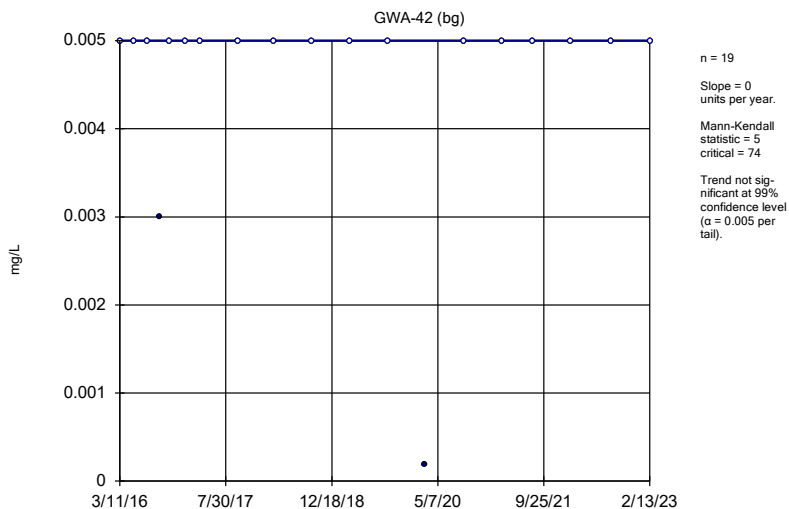
Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator



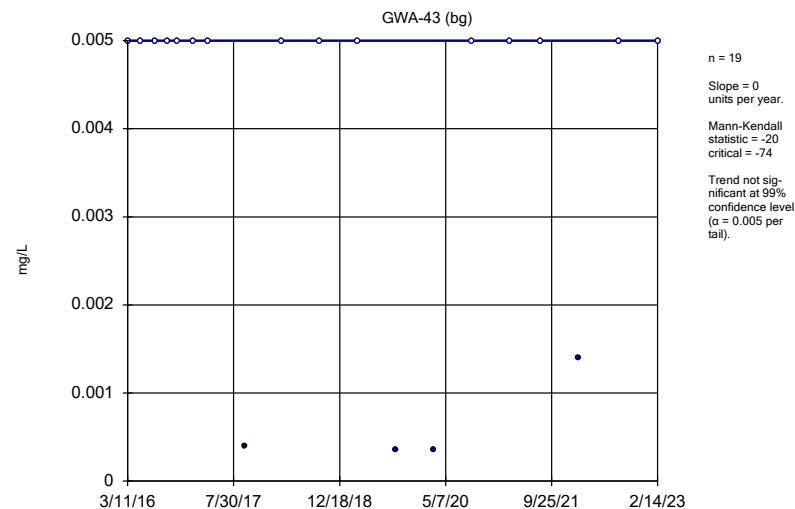
Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

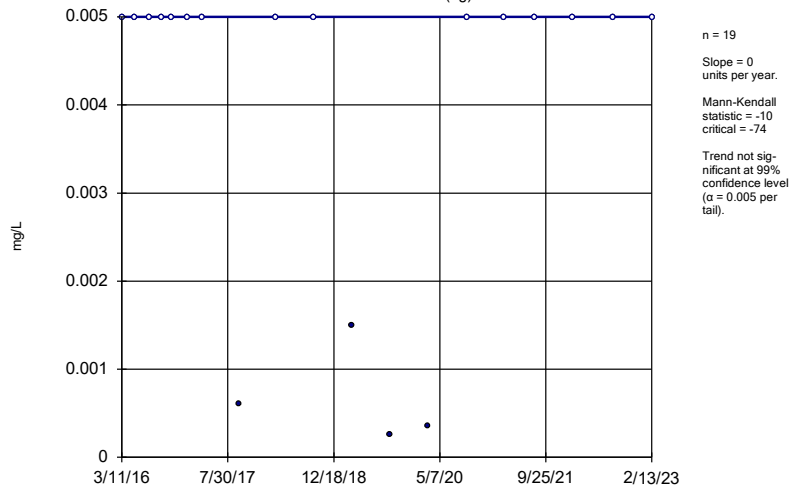
Sen's Slope Estimator



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

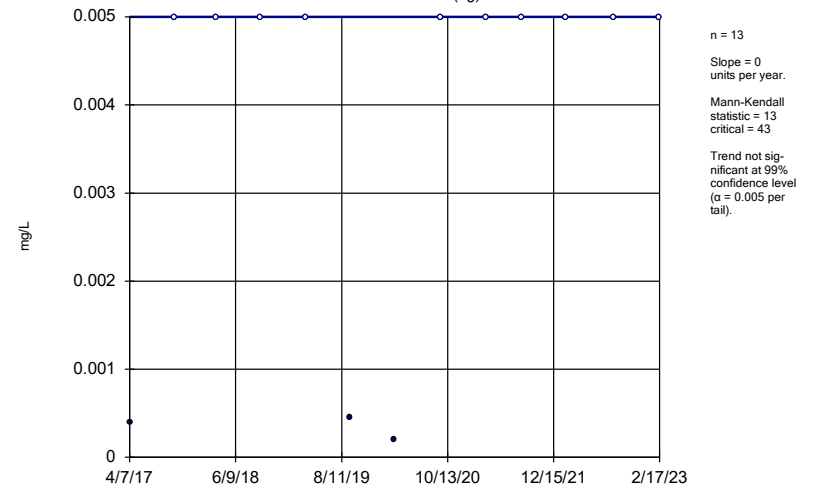
GWA-43R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

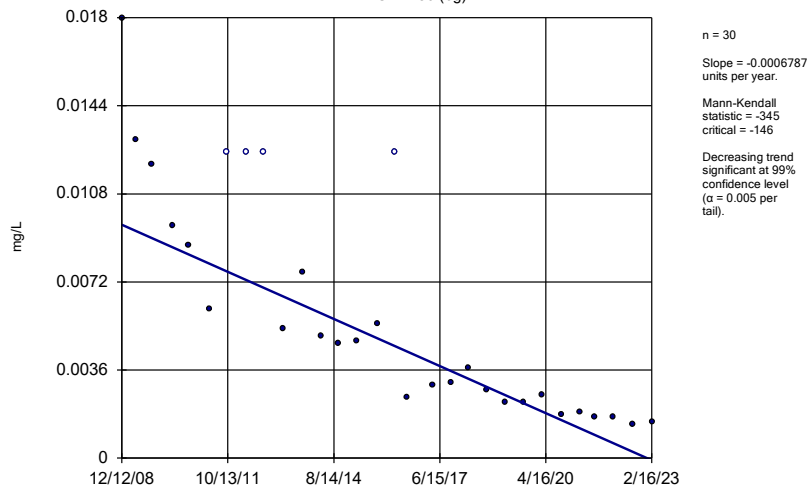
GWA-4RZ (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

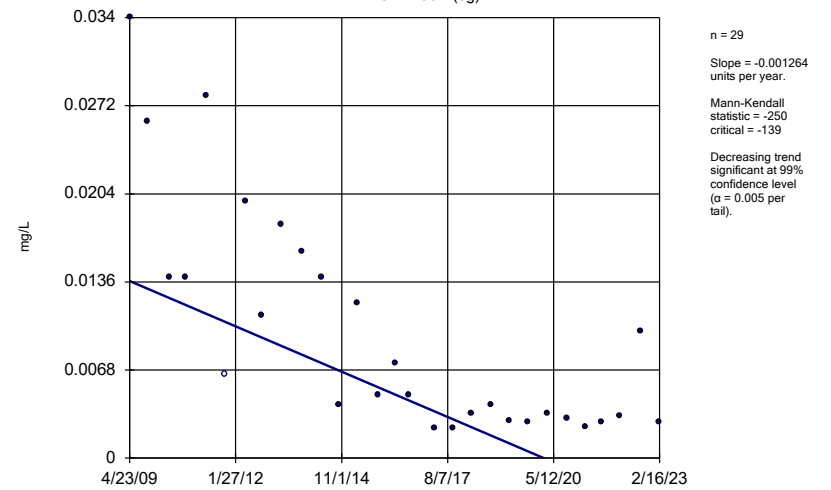
GWA-50 (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

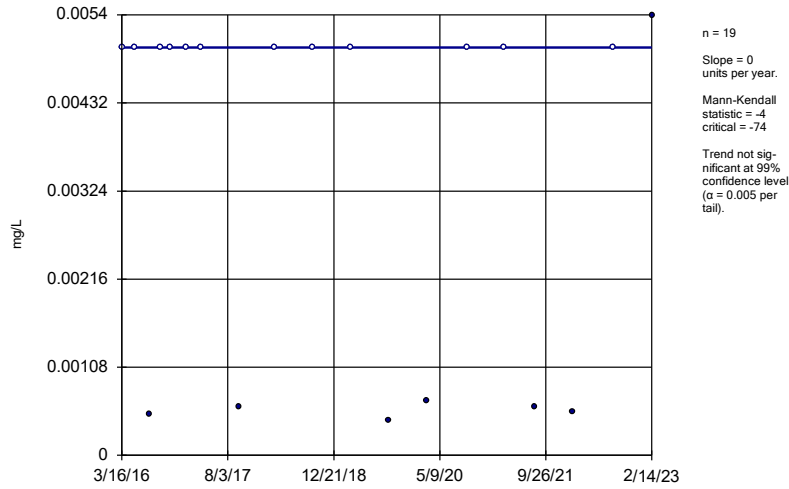
GWA-50R (bg)



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

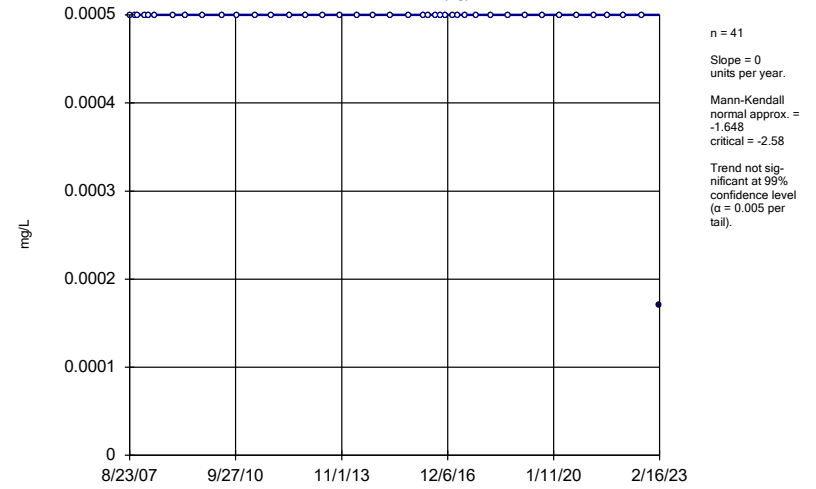
GWC-44



Constituent: Copper Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

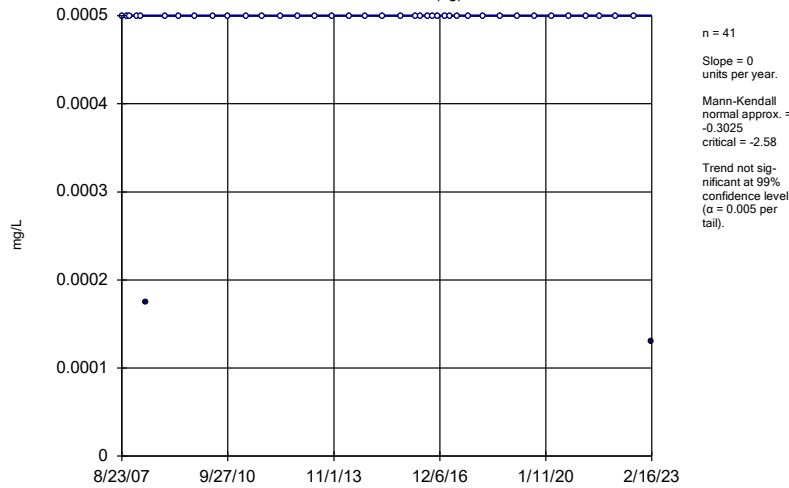
GWA-1 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

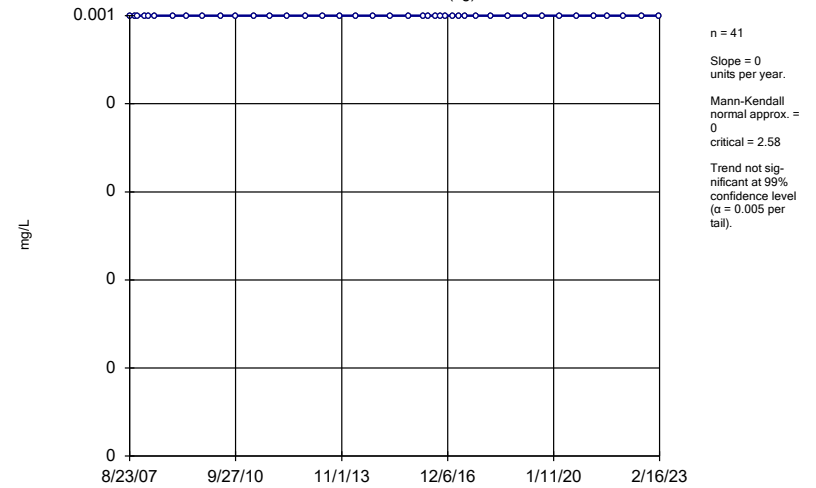
GWA-2 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

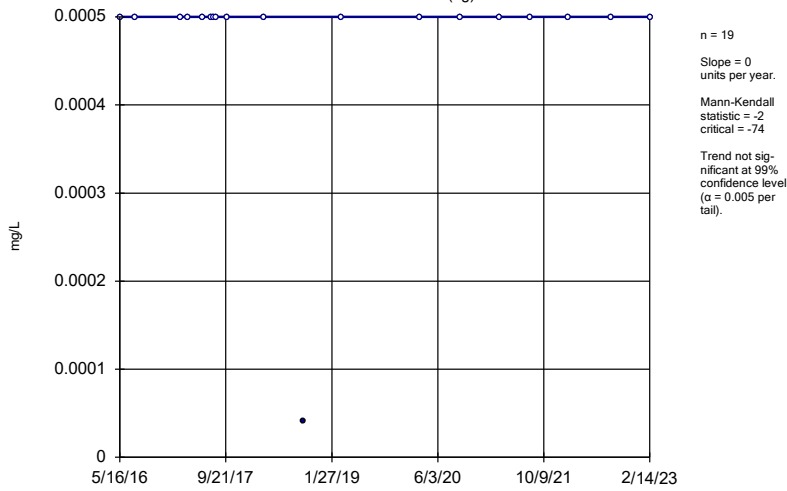
GWA-2R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

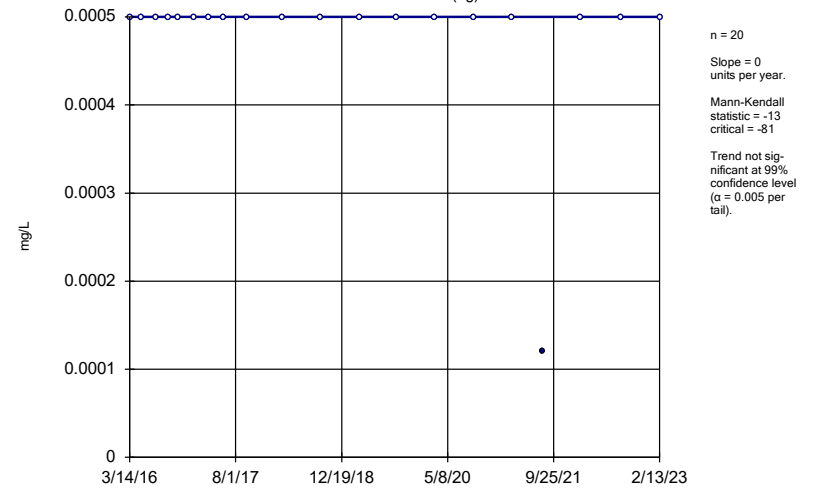
GWA-39RZ (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

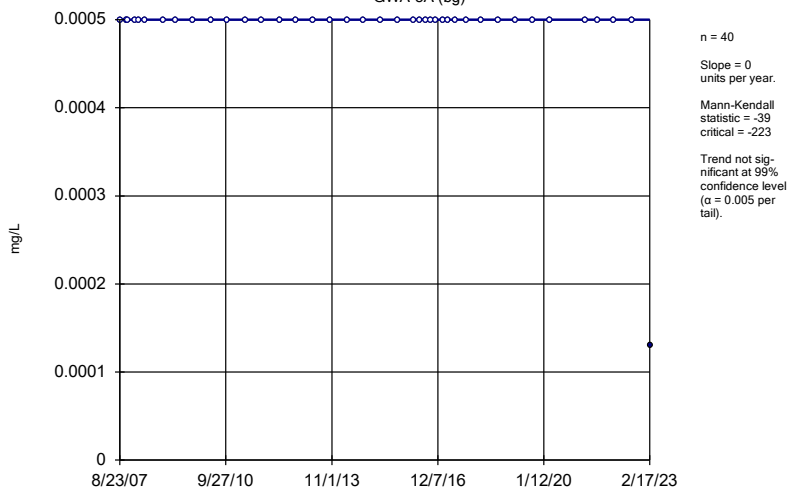
GWA-39Z (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

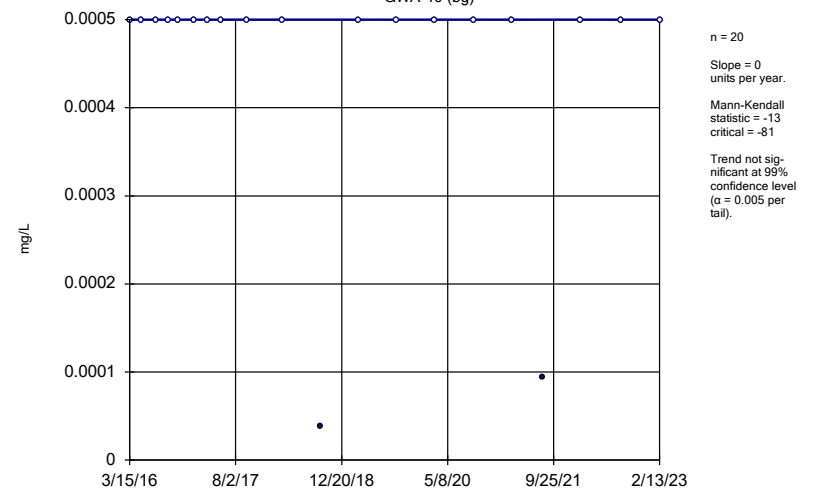
GWA-3A (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:52 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

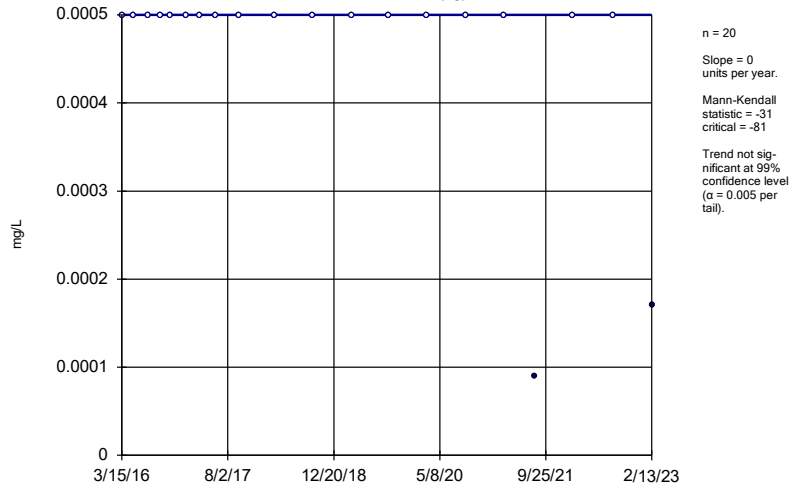
GWA-40 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

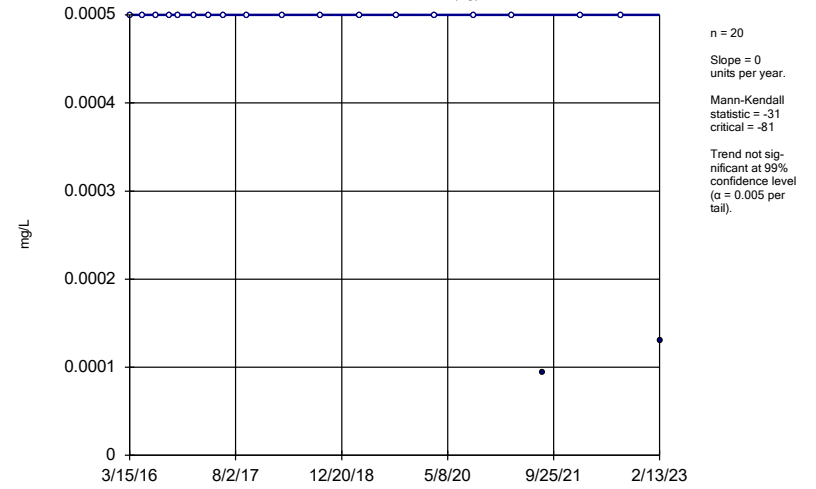
GWA-41 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

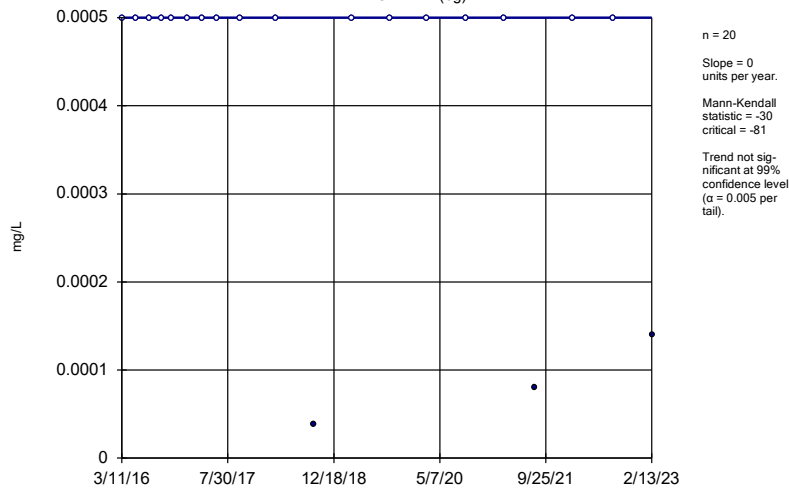
GWA-41R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

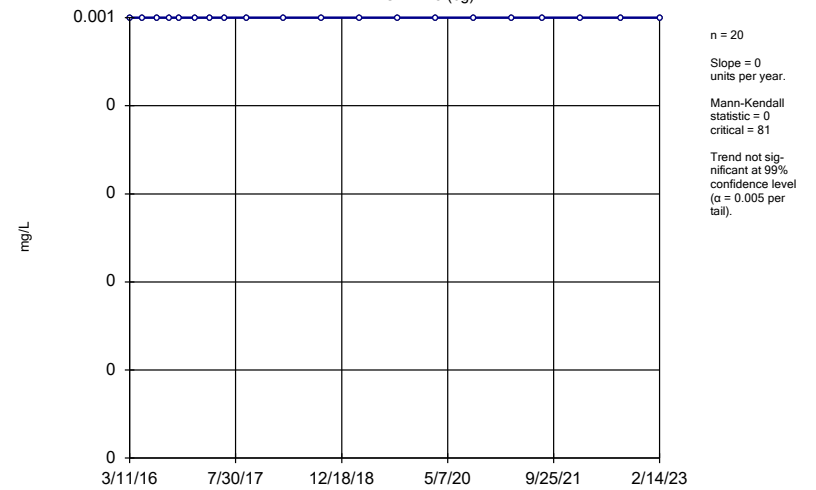
GWA-42 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

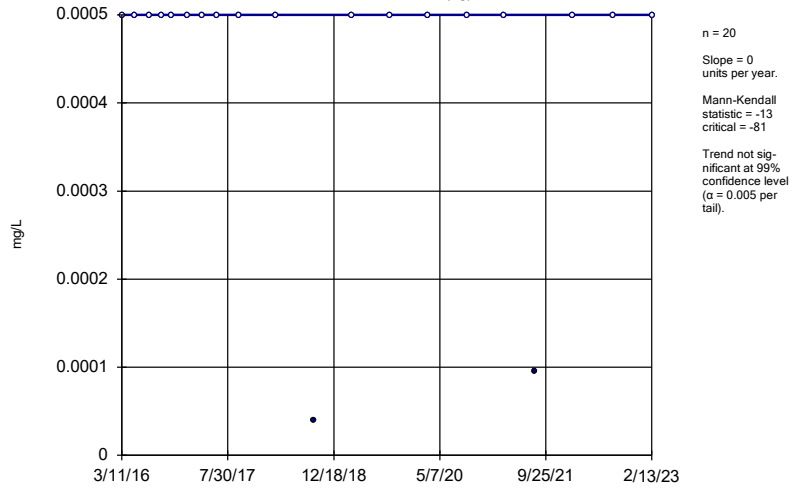
GWA-43 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

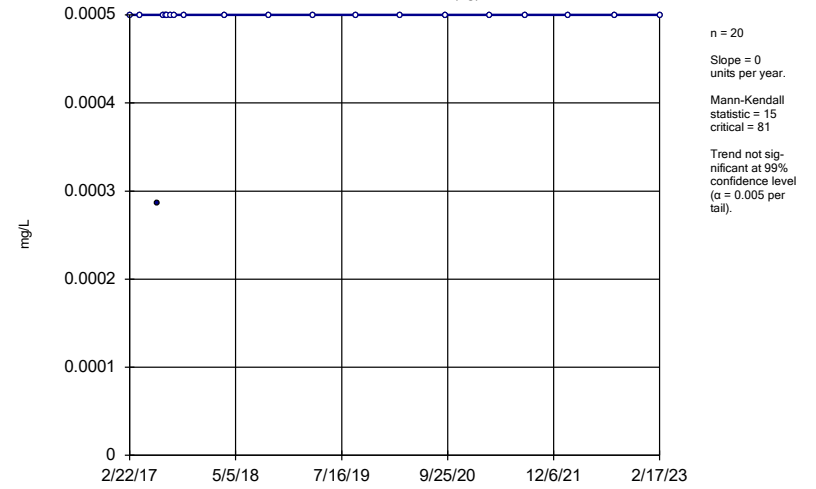
GWA-43R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

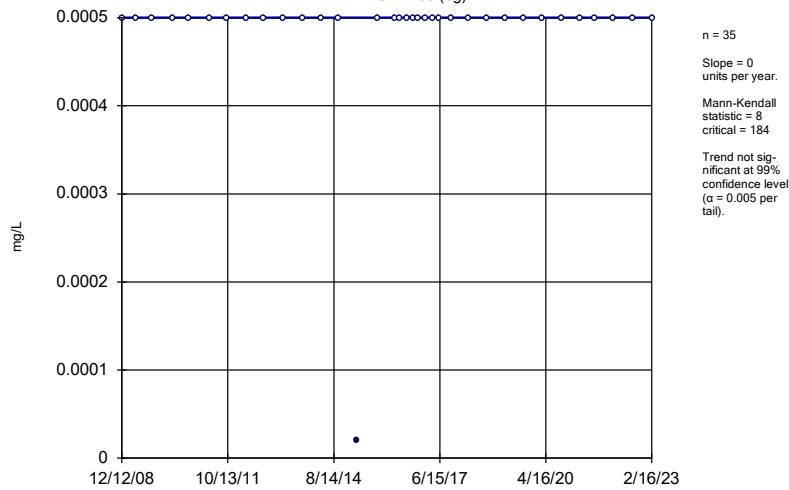
GWA-4RZ (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

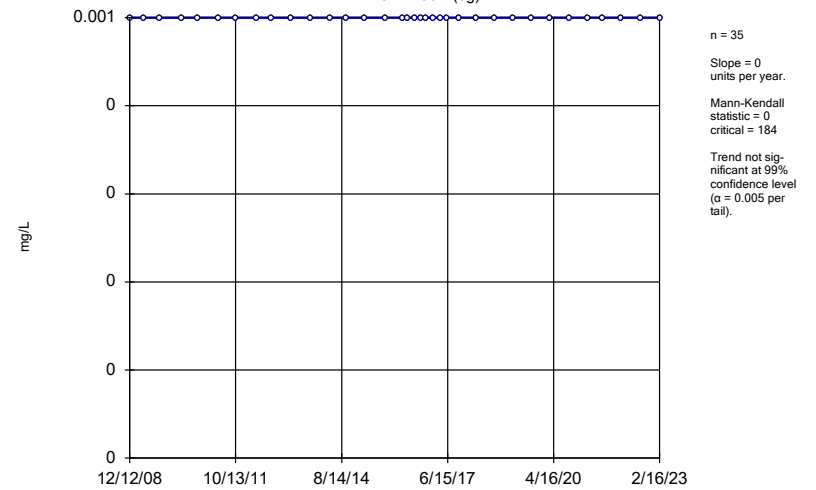
GWA-50 (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

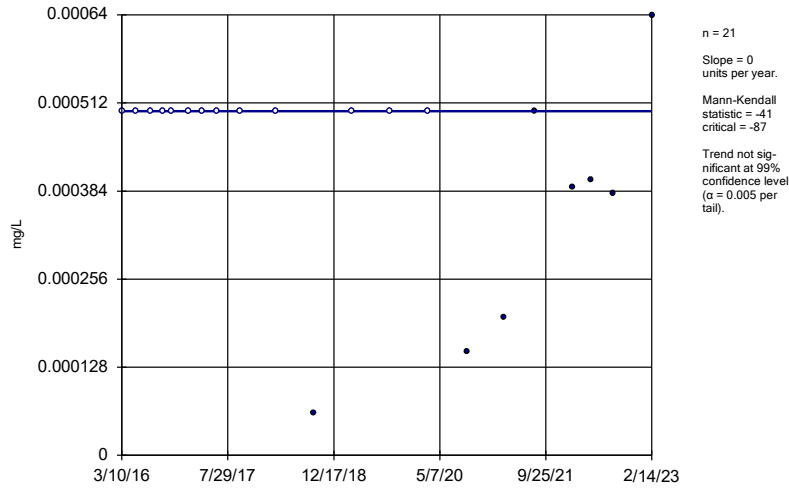
GWA-50R (bg)



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

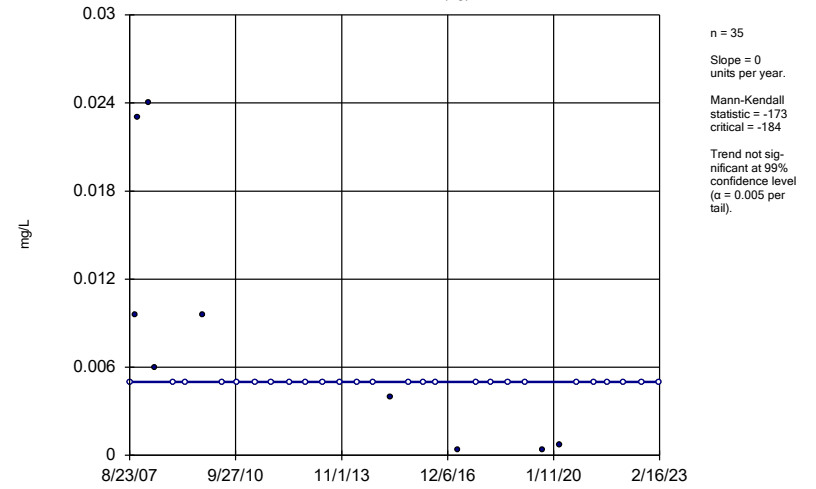
GWC-48



Constituent: Mercury Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

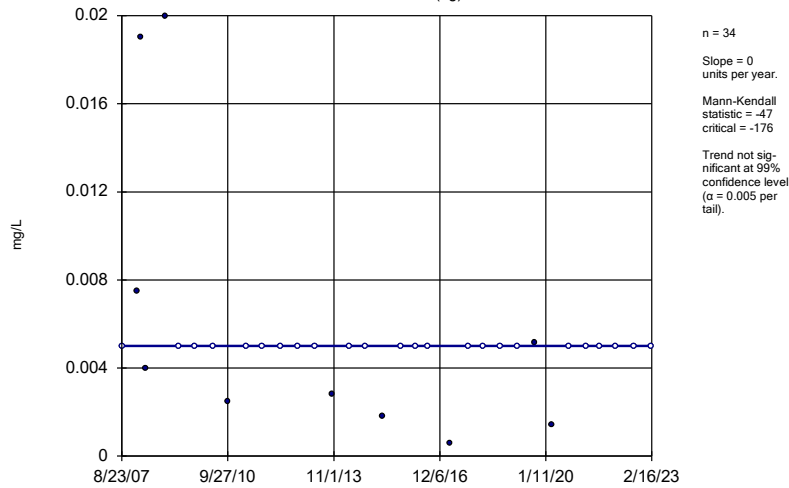
GWA-1 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

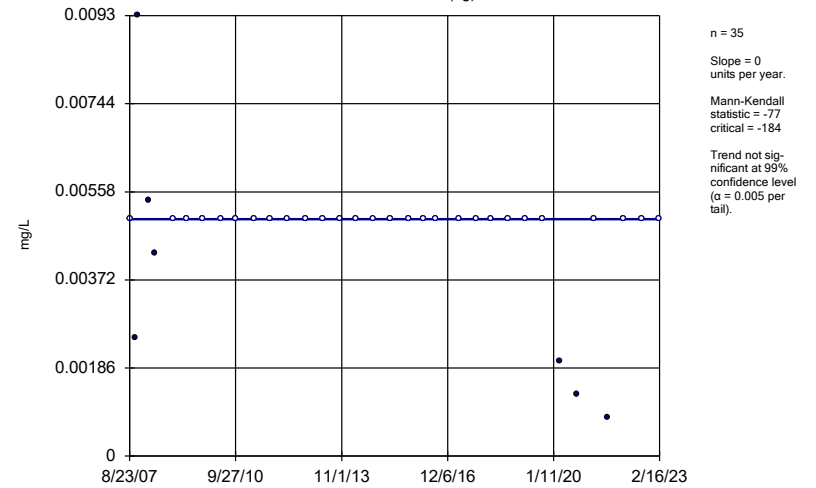
GWA-2 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

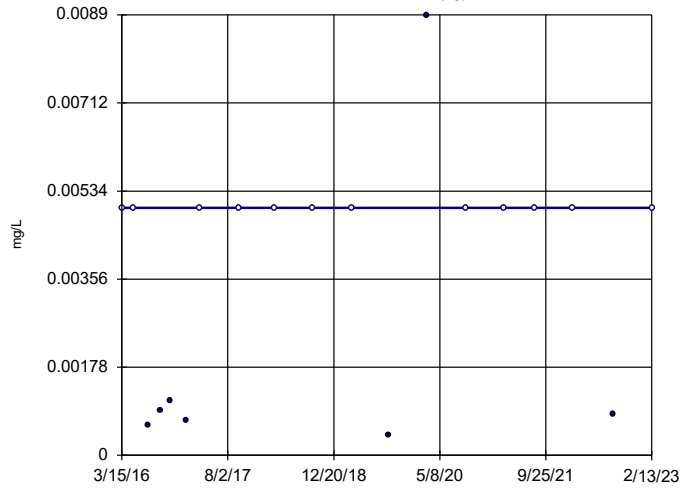
GWA-2R (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

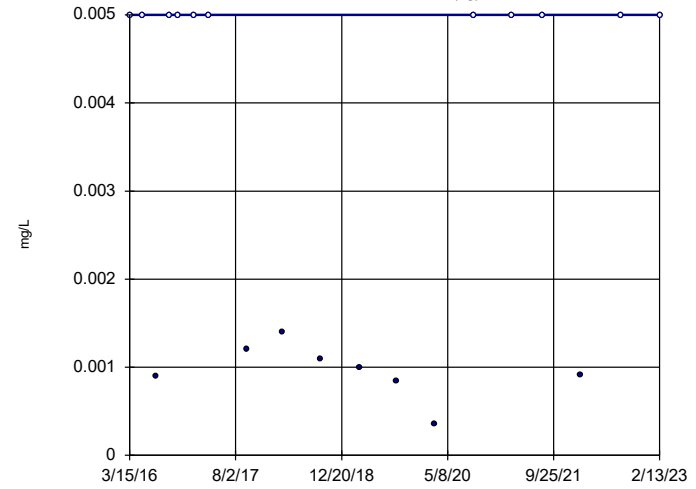


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = 25
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

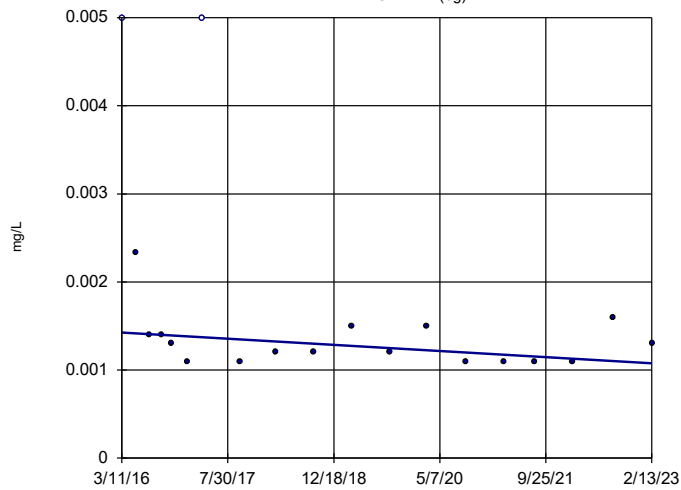


n = 19
Slope = 0
units per year.
Mann-Kendall
statistic = -18
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

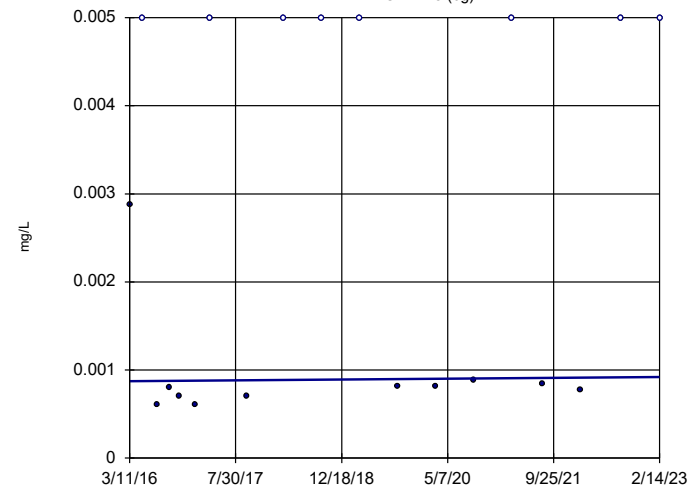


n = 19
Slope = -0.00005021
units per year.
Mann-Kendall
statistic = -51
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

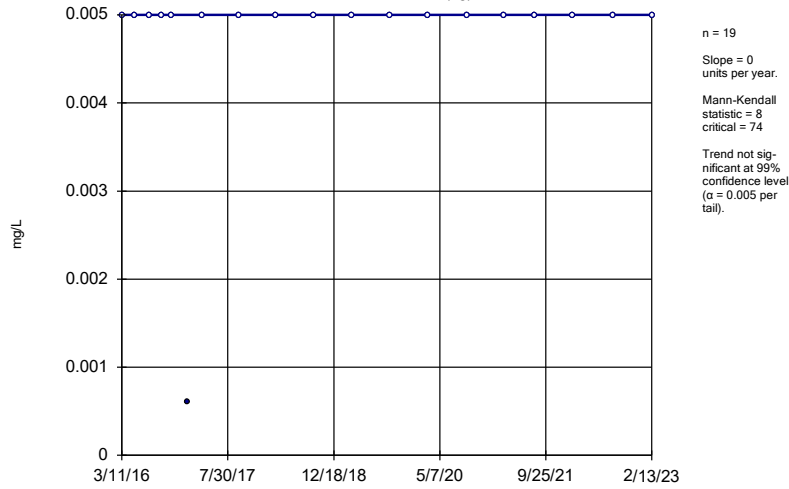


n = 19
Slope = 0.000006697
units per year.
Mann-Kendall
statistic = 34
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

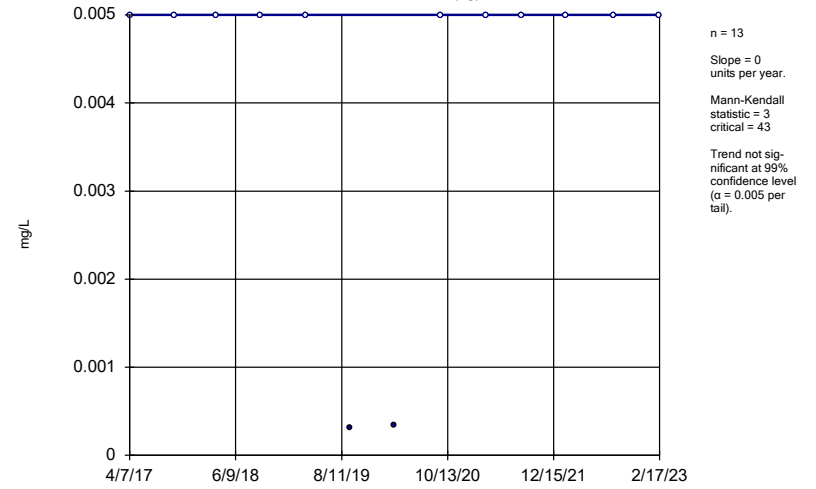
GWA-43R (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

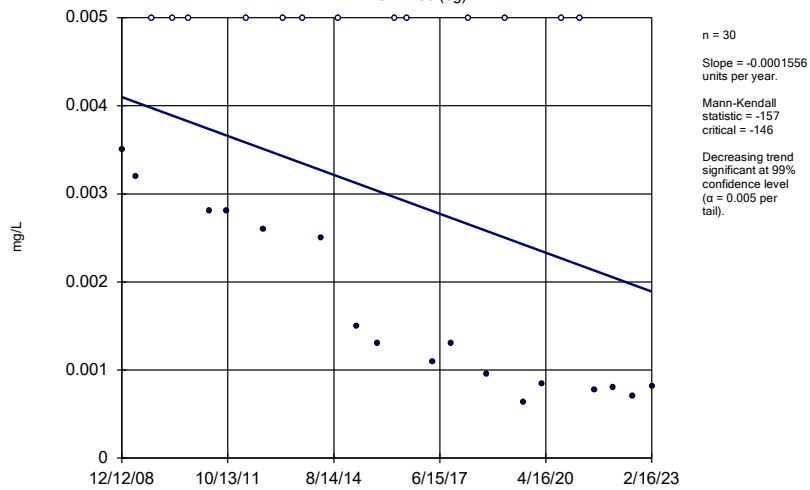
GWA-4RZ (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

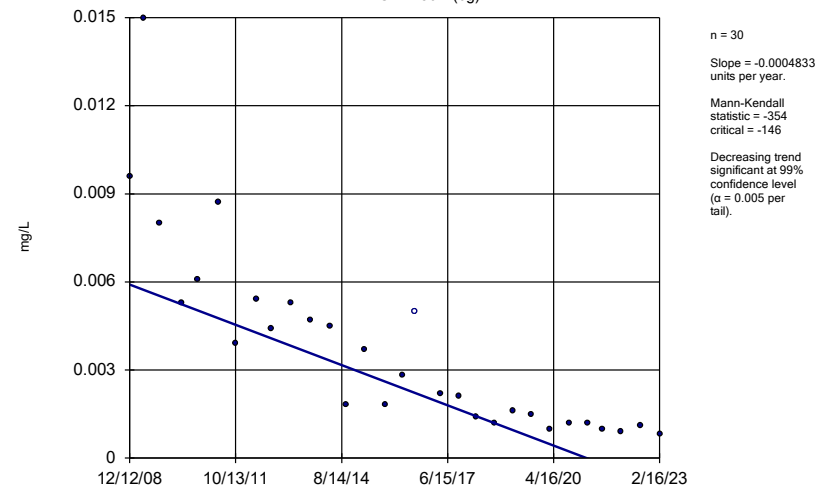
GWA-50 (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

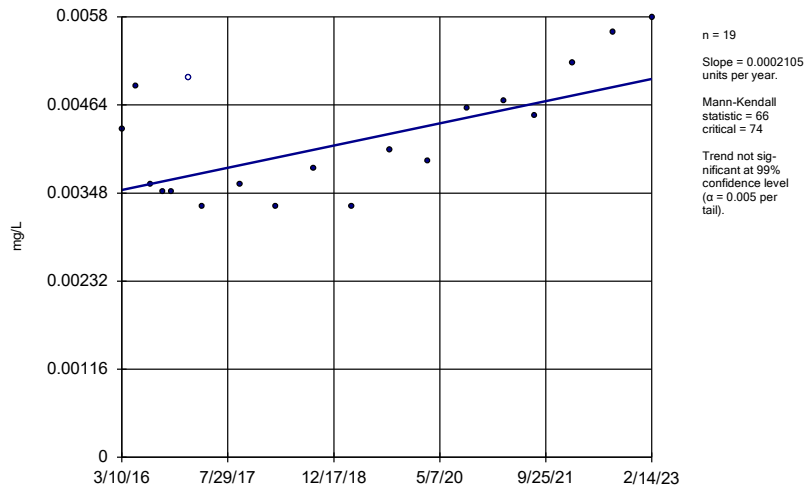
GWA-50R (bg)



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-48



Constituent: Nickel Analysis Run 3/27/2023 3:53 PM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE H.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-1	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2R	0.04	n/a	2/16/2023	0.017J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-39RZ	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-39Z	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-3A	0.04	n/a	2/17/2023	0.04ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-40	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41R	0.04	n/a	2/13/2023	0.017J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-42	0.04	n/a	2/13/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43R	0.04212	n/a	2/13/2023	0.04ND	No	17	0.02003	0.008233	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-4RZ	0.03839	n/a	2/17/2023	0.04ND	No	17	-4.603	0.5005	5.882	None	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-50	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-50R	0.04	n/a	2/16/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11R	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.03966	n/a	2/22/2023	0.04ND	No	17	0.01835	0.00794	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-13RZ	0.02742	n/a	2/22/2023	0.013J	No	17	-4.386	0.2941	17.65	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-14Z	0.04	n/a	2/22/2023	0.04ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15R	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15Z	0.04	n/a	2/22/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-44	0.03258	n/a	2/14/2023	0.014J	No	17	-4.509	0.4043	41.18	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-45	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-45R	0.04	n/a	2/14/2023	0.012J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-46R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-48	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49R	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49Z	0.04	n/a	2/14/2023	0.04ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6RZ	0.04	n/a	2/17/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8RR	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8Z	0.04	n/a	2/20/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.04	n/a	2/21/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium, total (mg/L)	GWA-1	36.35	n/a	2/16/2023	33.3	No	17	30.64	2.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2	82.96	n/a	2/16/2023	60.5	No	17	26.51	21.04	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2R	61.92	n/a	2/16/2023	51.6	No	17	26.68	13.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39RZ	39.13	n/a	2/14/2023	31.4	No	17	34952	9306	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39Z	34.91	n/a	2/13/2023	12.8	No	18	12.62	8.42	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-3A	19.4	n/a	2/17/2023	22.4	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-40	31.1	n/a	2/13/2023	18.4	No	17	21.34	3.637	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41	42.06	n/a	2/13/2023	26.9	No	17	18.81	8.667	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41R	48.24	n/a	2/13/2023	38.6	No	17	33.1	5.641	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-42	38.83	n/a	2/13/2023	35.7	No	17	31.39	2.773	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43	19.26	n/a	2/14/2023	2.2	No	17	6.843	4.628	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	2/13/2023	28.5	No	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-4RZ	59.92	n/a	2/17/2023	59.4	No	17	49.56	3.858	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-50	4.551	n/a	2/16/2023	1.4	No	17	1.458	0.2518	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-50R	13.06	n/a	2/16/2023	0.81J	No	17	4.392	3.23	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	50.26	n/a	2/20/2023	9	No	17	29.44	7.761	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10R	48.89	n/a	2/20/2023	46.2	No	17	40.76	3.028	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	30.52	n/a	2/20/2023	7.4	No	17	16.75	5.131	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11R	38.59	n/a	2/20/2023	32.5	No	17	26.59	4.472	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	9.546	n/a	2/21/2023	7.9	No	17	8.05	0.5575	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	75.84	n/a	2/22/2023	26.3	No	17	45.15	11.44	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13RZ	59.04	n/a	2/22/2023	40.1	No	17	1947	573.4	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14Z	43.05	n/a	2/22/2023	14.3	No	17	20.97	8.227	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15R	45.82	n/a	2/22/2023	38.1	No	16	35.98	3.621	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15Z	30.37	n/a	2/22/2023	24.4	No	17	13334	5471	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-44	21.15	n/a	2/14/2023	12.5	No	17	7.058	5.251	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45	1.009	n/a	2/14/2023	1	No	17	0.8318	0.06622	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	2/14/2023	47.5	Yes	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-46R	55.43	n/a	2/14/2023	41.1	No	17	44.66	4.014	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47	30.37	n/a	2/14/2023	20.5	No	17	23.26	2.649	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47R	38.9	n/a	2/14/2023	31.6	No	17	30.52	3.123	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-48	11.53	n/a	2/14/2023	3	No	17	1.798	0.5951	5.882	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49R	31.57	n/a	2/14/2023	24.3	No	17	25.36	2.314	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49Z	2.525	n/a	2/14/2023	0.65J	No	15	1.138	0.4971	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	12.1	n/a	2/20/2023	3.5	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	16.64	n/a	2/17/2023	15.2	No	16	14	0.9716	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6RZ	15.25	n/a	2/17/2023	9.7	No	16	10.86	1.616	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7Z	28.3	n/a	2/20/2023	26.1	No	17	23.72	1.707	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8RR	25.36	n/a	2/21/2023	18	No	17	22.19	1.179	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8Z	27.37	n/a	2/20/2023	18.5	No	16	412.2	123.9	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	41.78	n/a	2/21/2023	2.3	No	17	2.708	1.4	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-1	0.1269	n/a	2/16/2023	0.07J	No	17	0.05491	0.02684	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-2	0.17	n/a	2/16/2023	0.061J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-2R	0.1	n/a	2/16/2023	0.079J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-39RZ	0.2585	n/a	2/14/2023	0.074J	No	17	0.2579	0.09337	29.41	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-39Z	0.1189	n/a	2/13/2023	0.064J	No	17	0.05128	0.0252	41.18	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-3A	0.1	n/a	2/17/2023	0.055J	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-40	0.11	n/a	2/13/2023	0.054J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41	0.1	n/a	2/13/2023	0.05J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41R	0.12	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-42	0.1	n/a	2/13/2023	0.056J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43	0.1	n/a	2/14/2023	0.052J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43R	0.1	n/a	2/13/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-4RZ	0.3209	n/a	2/17/2023	0.11	No	17	0.1707	0.05596	5.882	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-50	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-50R	0.1	n/a	2/16/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11R	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	2/21/2023	0.054J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.24	n/a	2/22/2023	0.06J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13RZ	0.2957	n/a	2/22/2023	0.15	No	17	0.144	0.05653	11.76	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-14Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15R	0.1	n/a	2/22/2023	0.05J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15Z	0.1	n/a	2/22/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-44	0.1998	n/a	2/14/2023	0.075J	No	18	0.0679	0.04985	27.78	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-45	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-45R	0.14	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

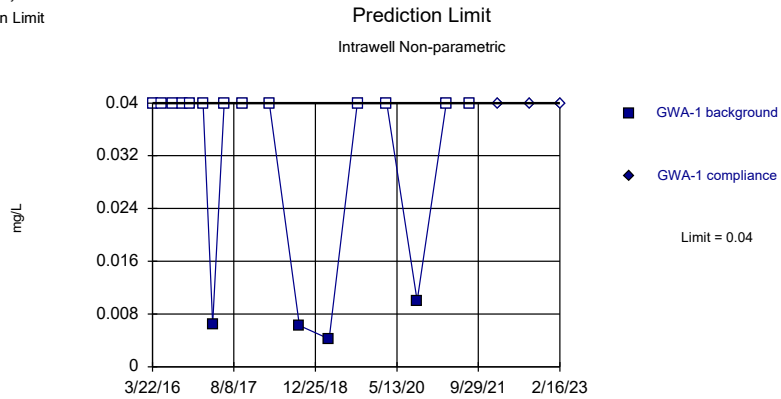
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-46R	0.1	n/a	2/14/2023	0.091J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-47	0.13	n/a	2/14/2023	0.064J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWC-47R	0.13	n/a	2/14/2023	0.081J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-48	0.1	n/a	2/14/2023	0.058J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49R	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49Z	0.1	n/a	2/14/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-5	0.1	n/a	2/20/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.1	n/a	2/17/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6RZ	0.1	n/a	2/17/2023	0.052J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7Z	0.22	n/a	2/20/2023	0.057J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8RR	0.1	n/a	2/21/2023	0.057J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8Z	0.1	n/a	2/20/2023	0.061J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-9	0.1	n/a	2/21/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-1	2.711	n/a	2/16/2023	1.1	No	17	1.552	0.4319	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2	179.3	n/a	2/16/2023	115	No	17	54.87	46.38	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	2/16/2023	38.9	Yes	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-39RZ	29.35	n/a	2/14/2023	6.3	No	17	10.86	6.891	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-39Z	9.901	n/a	2/13/2023	1.7	No	17	3.753	2.291	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-3A	5.4	n/a	2/17/2023	2.5	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-40	7.784	n/a	2/13/2023	1.4	No	18	0.4574	0.6025	5.556	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41	19.9	n/a	2/13/2023	6	No	17	0.9897	0.7457	0	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41R	13.45	n/a	2/13/2023	10.2	No	17	5.663	2.903	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-42	2.63	n/a	2/13/2023	1.6	No	17	1.587	0.3887	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43	1.928	n/a	2/14/2023	1ND	No	17	0.7687	0.432	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43R	10.68	n/a	2/13/2023	2.5	No	17	5.664	1.871	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-4RZ	28.58	n/a	2/17/2023	21.2	No	18	21.14	2.813	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50	1.031	n/a	2/16/2023	1ND	No	17	0.6803	0.1308	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50R	1.69	n/a	2/16/2023	0.58J	No	17	0.9694	0.2687	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10	2.213	n/a	2/20/2023	1.5	No	17	1.356	0.3195	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10R	2.272	n/a	2/20/2023	1.5	No	17	1.406	0.3226	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11	3.941	n/a	2/20/2023	1.7	No	17	2.457	0.553	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11R	4.739	n/a	2/20/2023	1.8	No	17	2.51	0.8307	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-12	1	n/a	2/21/2023	1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-13	196.5	n/a	2/22/2023	8.7	No	17	69.62	47.29	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-13RZ	107.1	n/a	2/22/2023	59.7	No	17	56.66	18.8	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-14Z	11.83	n/a	2/22/2023	10.7	No	16	4.35	2.75	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15R	13.96	n/a	2/22/2023	7.5	No	17	9.185	1.78	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15Z	15.09	n/a	2/22/2023	0.81J	No	17	1.728	0.8034	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-44	62.46	n/a	2/14/2023	33.8	No	17	21.93	15.1	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45	1.552	n/a	2/14/2023	1ND	No	17	0.8033	0.2791	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	2/14/2023	10.1	Yes	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-46R	9.434	n/a	2/14/2023	4.7	No	17	6.619	1.049	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47	5.577	n/a	2/14/2023	4.3	No	17	4.314	0.471	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47R	15.96	n/a	2/14/2023	12.7	No	17	9.402	2.446	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-48	20.2	n/a	2/14/2023	3	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-49R	6.244	n/a	2/14/2023	1.8	No	18	1.819	0.2569	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-49Z	3.084	n/a	2/14/2023	0.84J	No	14	1.807	0.4463	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-5	2.174	n/a	2/20/2023	1.4	No	17	1.416	0.2824	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6	3.803	n/a	2/17/2023	2	No	17	2.289	0.564	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6RZ	3.425	n/a	2/17/2023	1.8	No	17	1.962	0.5452	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-7Z	2.37	n/a	2/20/2023	1.7	No	17	0.9735	0.5205	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8RR	2.1	n/a	2/21/2023	1.7	No	17	1.018	0.4031	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8Z	4.465	n/a	2/20/2023	1.1	No	17	1.967	0.931	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-9	4.753	n/a	2/21/2023	3	No	17	2.308	0.9112	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-1	190.4	n/a	2/16/2023	152J	No	17	153.2	13.85	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 3:59 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-2	398.6	n/a	2/16/2023	267J	No	17	138.3	97.02	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-2R	237.6	n/a	2/16/2023	197J	No	17	120.5	43.64	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ	258.4	n/a	2/14/2023	149J	No	17	165.8	34.53	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z	169.9	n/a	2/13/2023	105J	No	16	69.56	36.89	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-3A	121	n/a	2/17/2023	117J	No	16	3.37	0.5244	31.25	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-40	169.9	n/a	2/13/2023	259J	No	17	103.5	24.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41	203.5	n/a	2/13/2023	111J	No	17	85.94	43.82	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41R	269.7	n/a	2/13/2023	163J	No	17	159.5	41.05	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	2/13/2023	226	Yes	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43	90.96	n/a	2/14/2023	60.9	No	17	37.29	20	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43R	191.5	n/a	2/13/2023	126	No	17	139.8	19.27	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ	425.2	n/a	2/17/2023	252J	No	17	15.84	1.782	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50	46.57	n/a	2/16/2023	25ND	No	17	21.74	9.254	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50R	96.25	n/a	2/16/2023	25ND	No	17	33.65	23.33	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10	208.4	n/a	2/20/2023	47	No	17	125.3	30.95	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10R	244.5	n/a	2/20/2023	154	No	17	147	36.34	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11	151.3	n/a	2/20/2023	98	No	17	91.59	22.25	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11R	176.7	n/a	2/20/2023	149	No	17	130.5	17.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-12	104	n/a	2/21/2023	42	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	2/22/2023	1020	Yes	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13RZ	363	n/a	2/22/2023	254	No	17	66958	24165	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-14Z	286.7	n/a	2/22/2023	65	No	17	10.28	2.48	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15R	238.8	n/a	2/22/2023	174	No	17	167.6	26.5	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15Z	223.8	n/a	2/22/2023	111	No	17	117.9	39.46	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-44	201.1	n/a	2/14/2023	70.9	No	18	6.914	2.746	16.67	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45	60	n/a	2/14/2023	33.9	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45R	251.4	n/a	2/14/2023	206	No	17	165.1	32.17	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-46R	298.8	n/a	2/14/2023	199	No	17	233.9	24.2	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47	176.7	n/a	2/14/2023	111J	No	17	125.5	19.06	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47R	200.3	n/a	2/14/2023	151	No	17	21576	6910	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-48	98.66	n/a	2/14/2023	30.9	No	17	5.376	1.698	23.53	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49R	191	n/a	2/14/2023	114	No	17	124.8	24.67	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49Z	64.75	n/a	2/14/2023	25ND	No	17	31.83	12.27	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-5	123.8	n/a	2/20/2023	53	No	17	5.754	2.001	17.65	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6	164.9	n/a	2/17/2023	75J	No	17	8.794	1.509	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6RZ	164.6	n/a	2/17/2023	50J	No	17	69.88	35.29	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-7Z	172	n/a	2/20/2023	122	No	17	121	19	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8RR	133.8	n/a	2/21/2023	77	No	17	107.8	9.712	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8Z	186	n/a	2/20/2023	86	No	17	111.5	27.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-9	175.8	n/a	2/21/2023	12.5ND	No	17	57.85	43.95	5.882	None	No	0.0002894	Param Intra 1 of 2

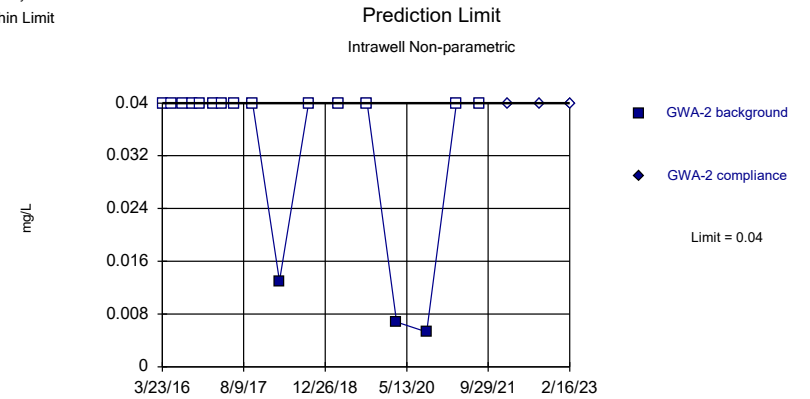
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

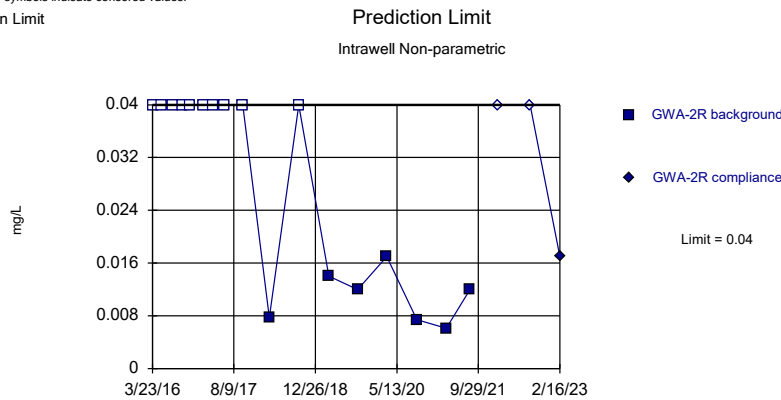
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

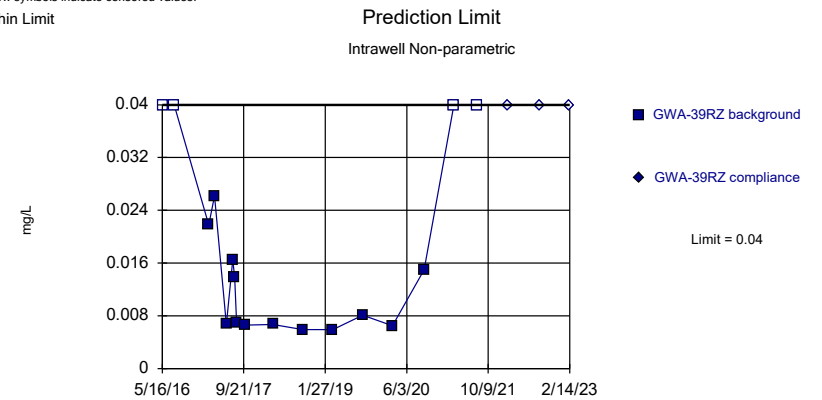
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

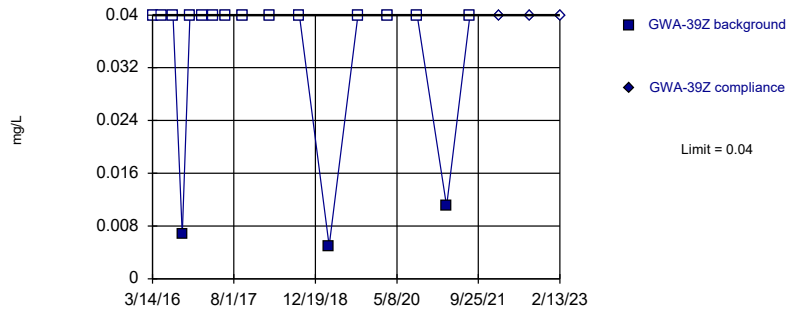


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 23.53% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

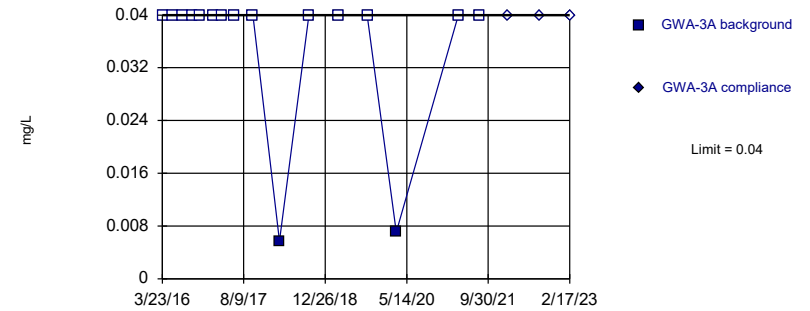


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

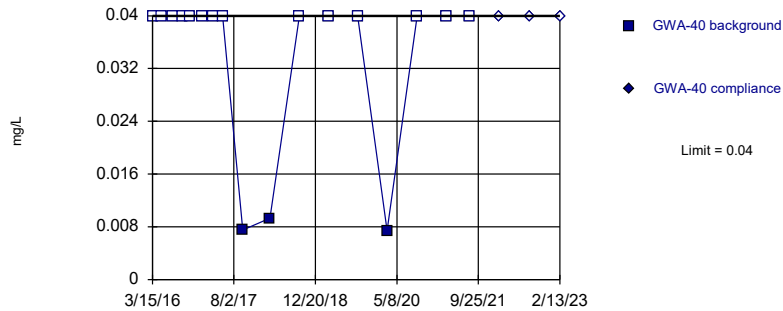


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

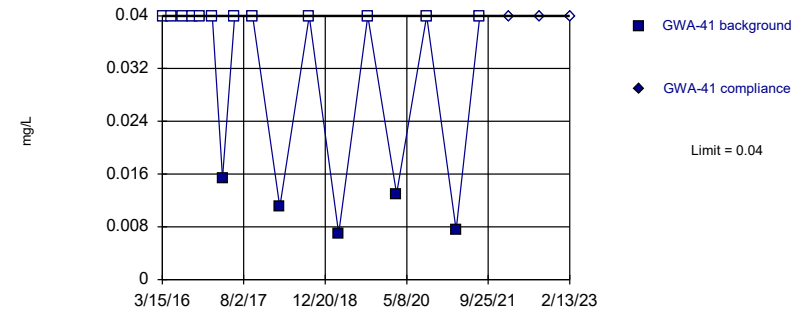


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

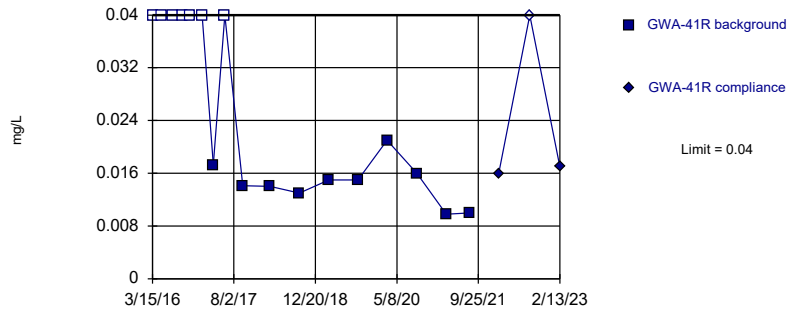


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

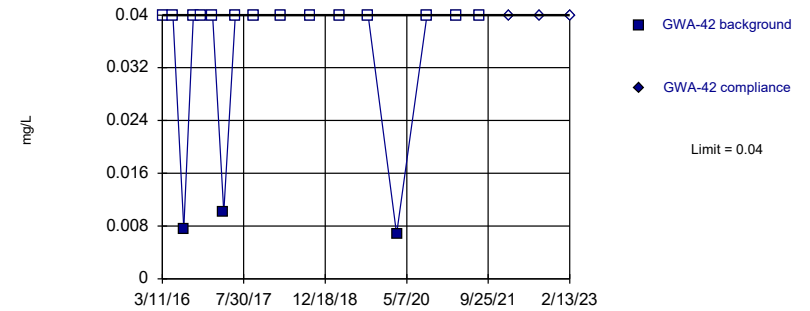


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

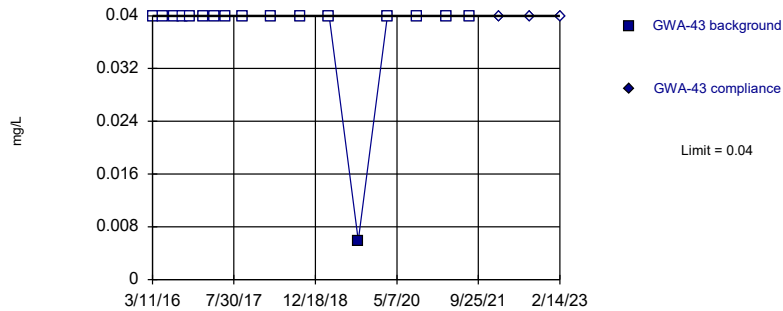


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

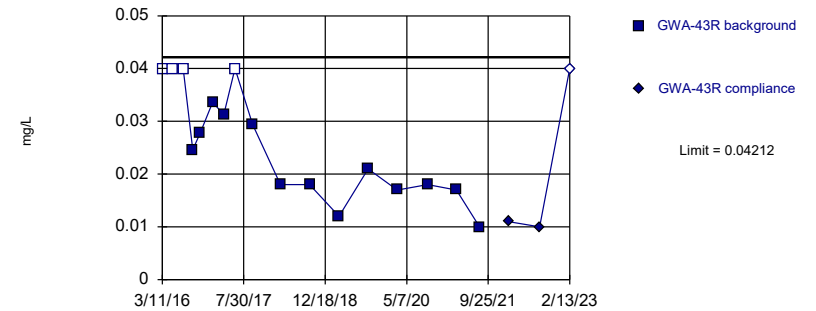


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

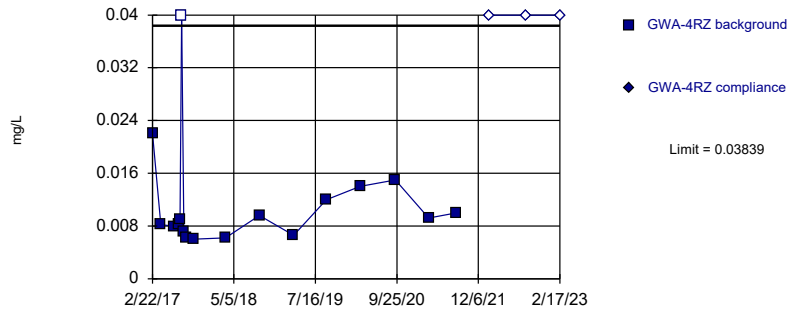


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.02003, Std. Dev.=0.008233, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9058, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

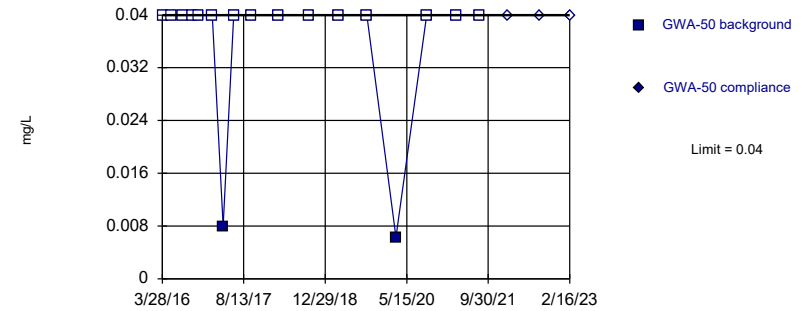


Background Data Summary (based on natural log transformation): Mean=-4.603, Std. Dev.=0.5005, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.855, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

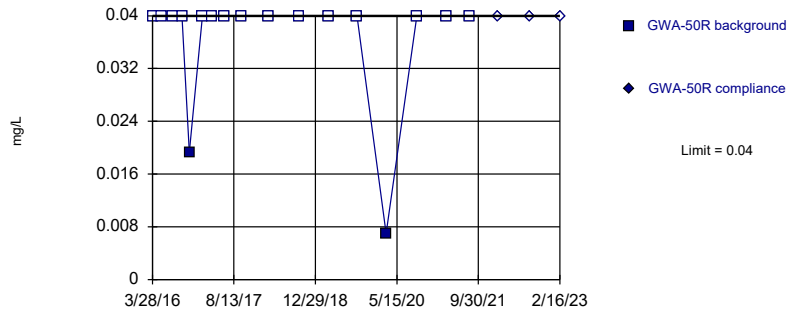


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

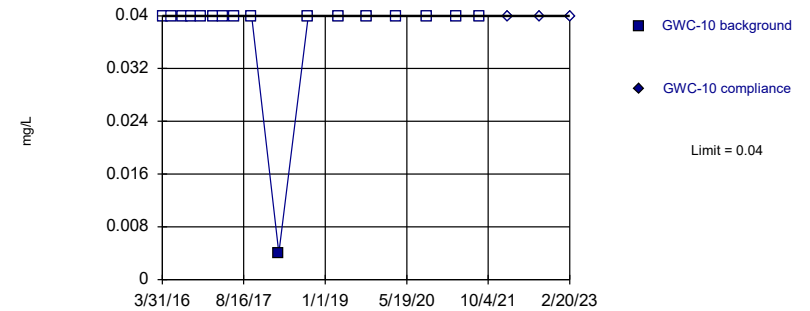


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

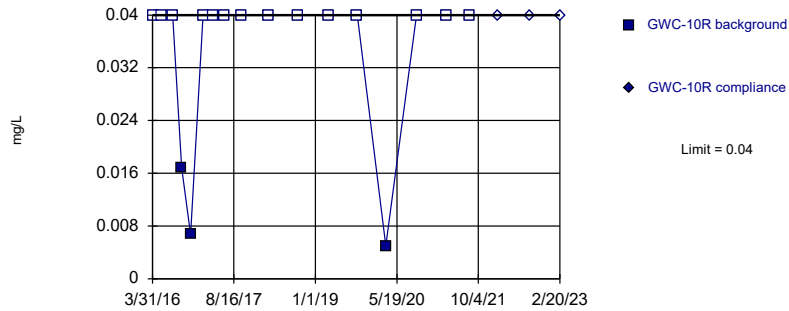


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

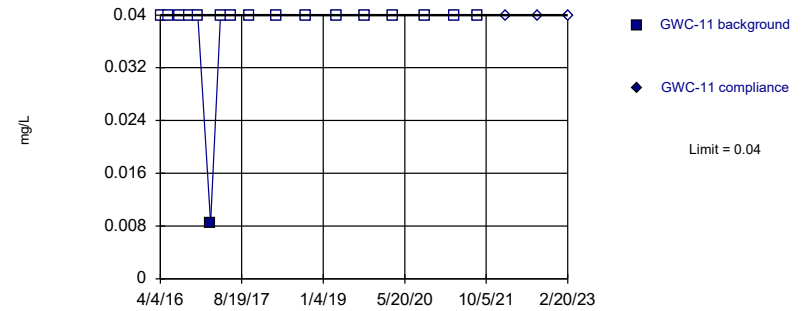


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

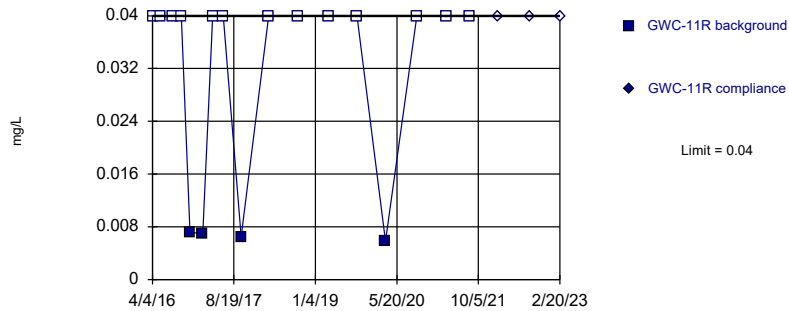


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

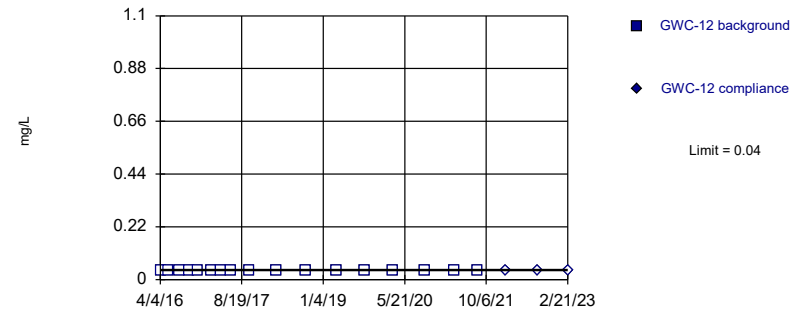


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

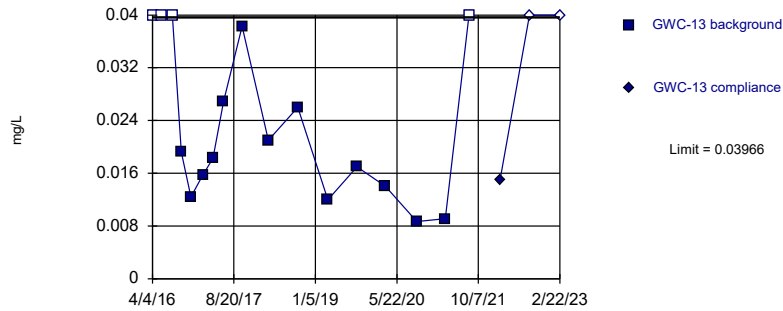


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

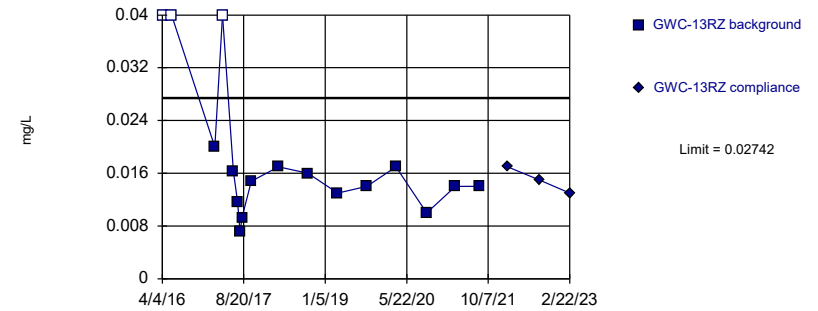


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01835, Std. Dev.=0.00794, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

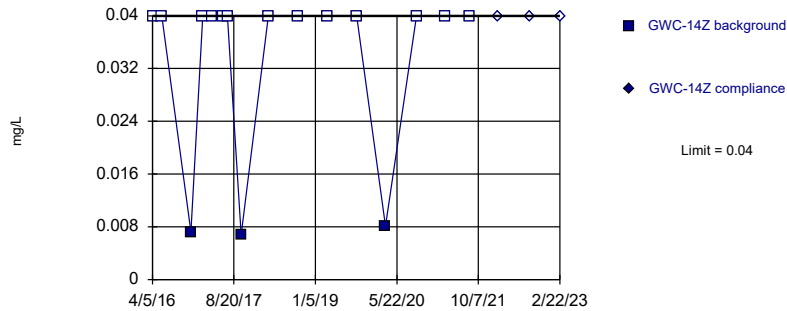


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-4.386, Std. Dev.=0.2941, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.889, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

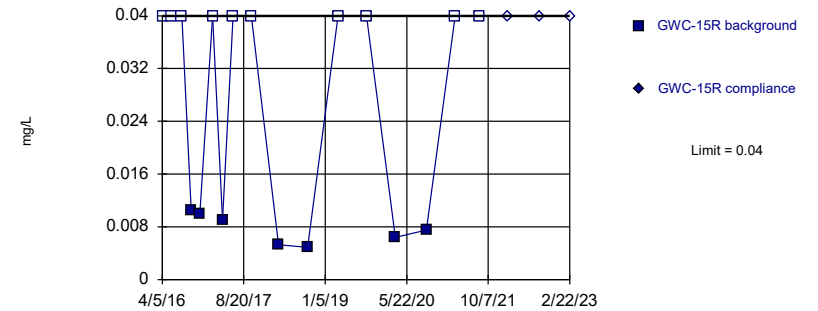


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

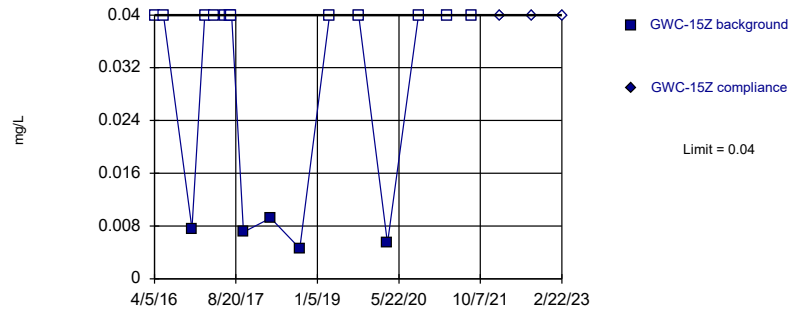


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

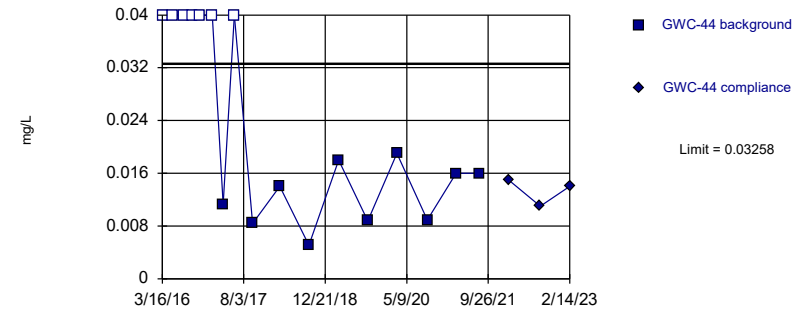


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

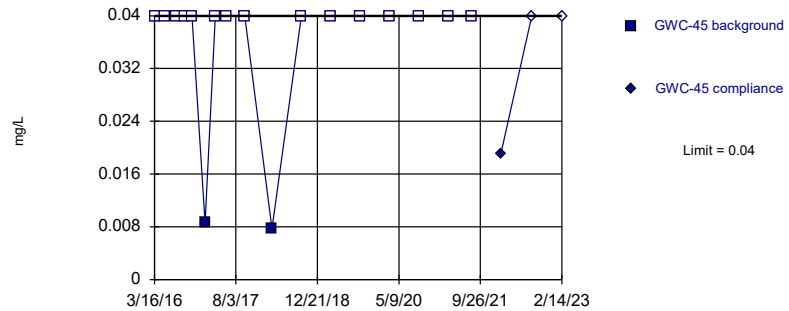


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-4.509, Std. Dev.=0.4043, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

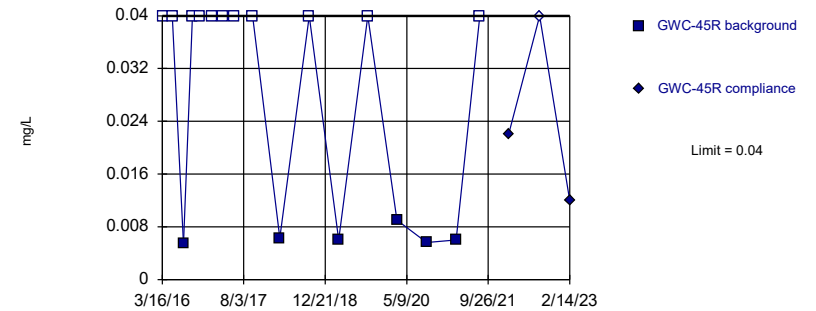


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

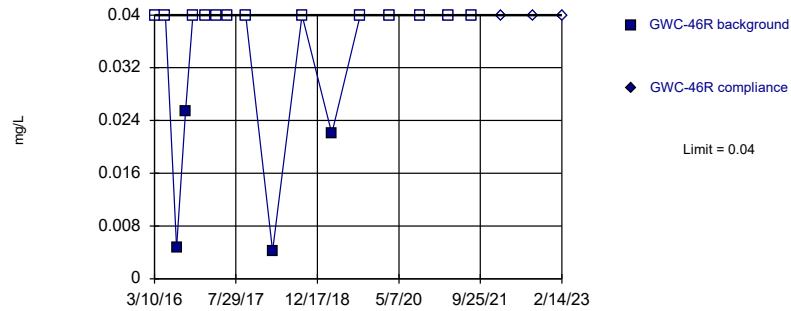


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

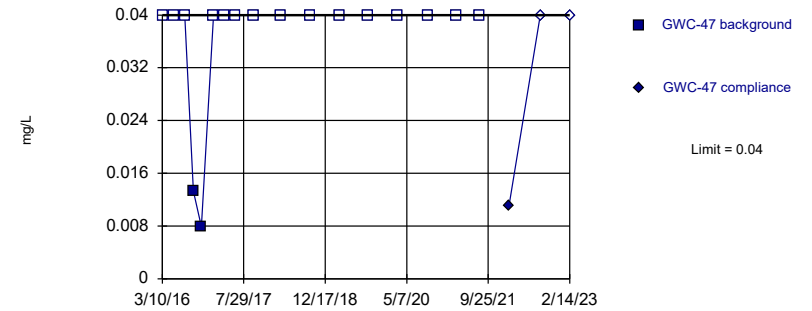


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

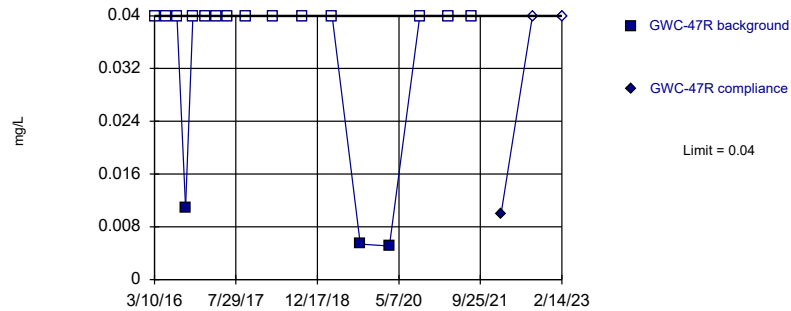


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

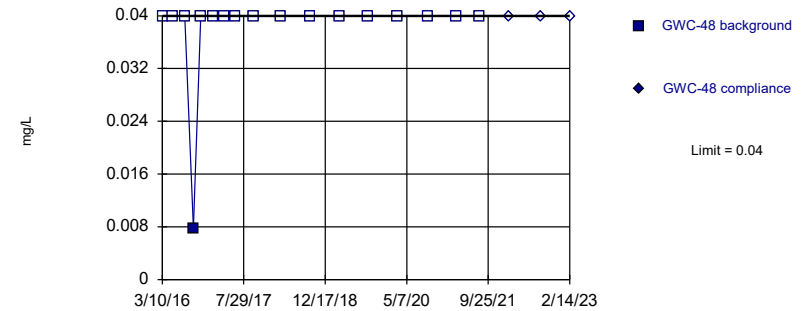


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

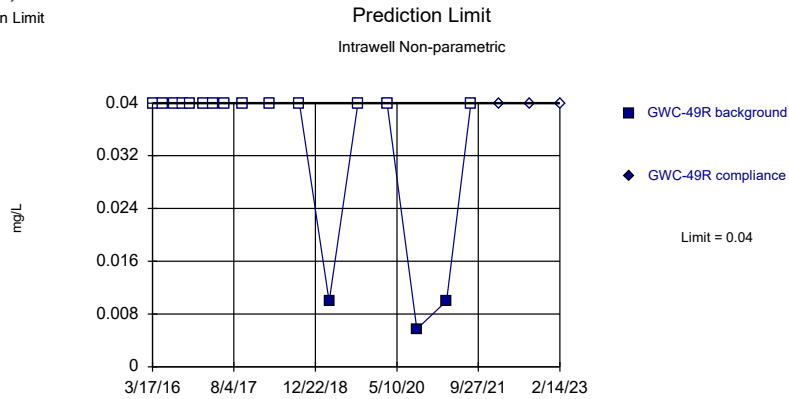
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

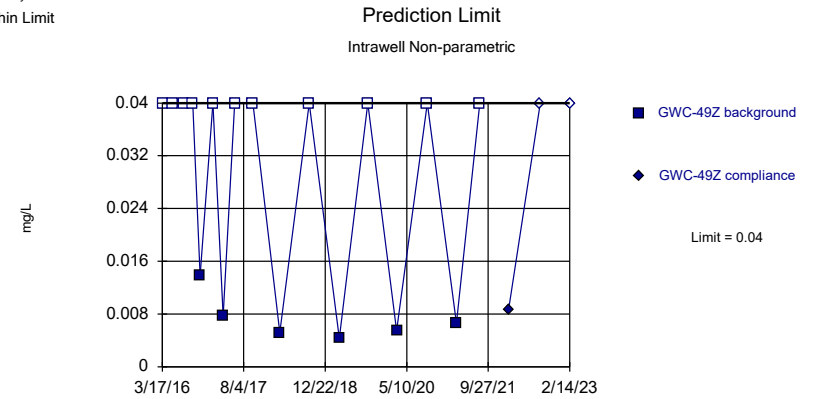
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

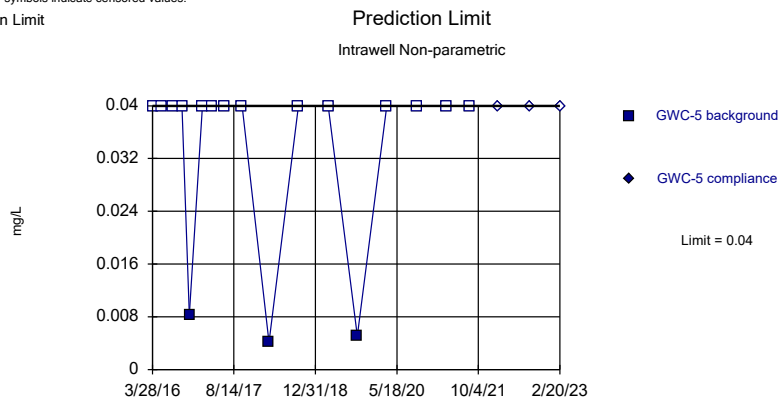
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

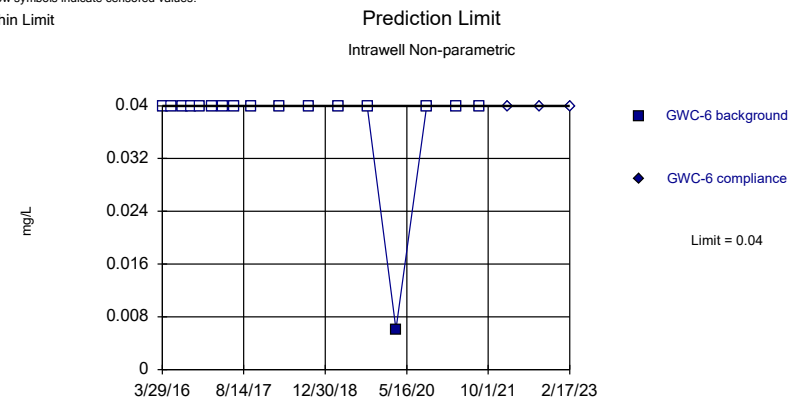
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

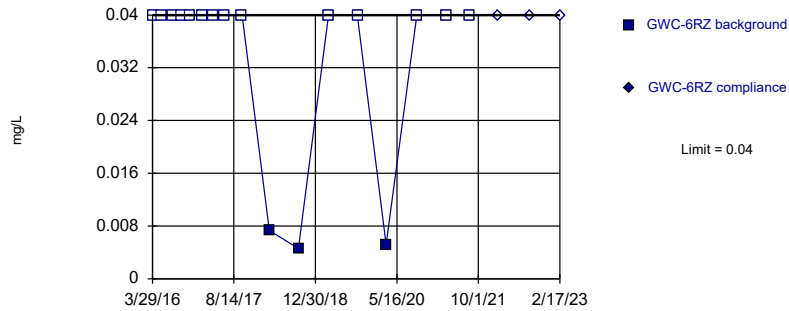


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

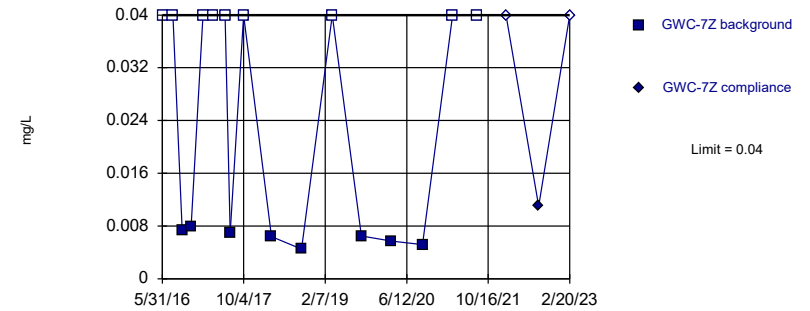


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

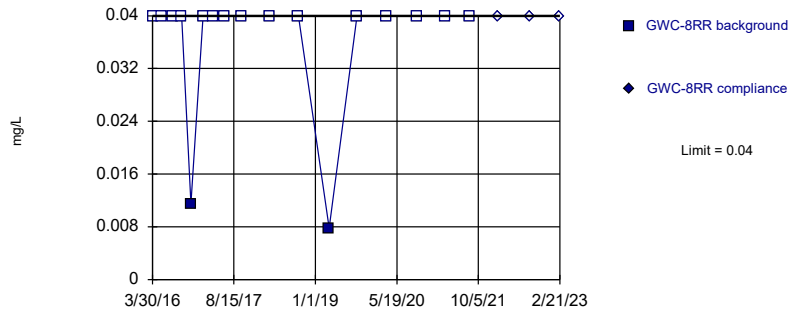


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

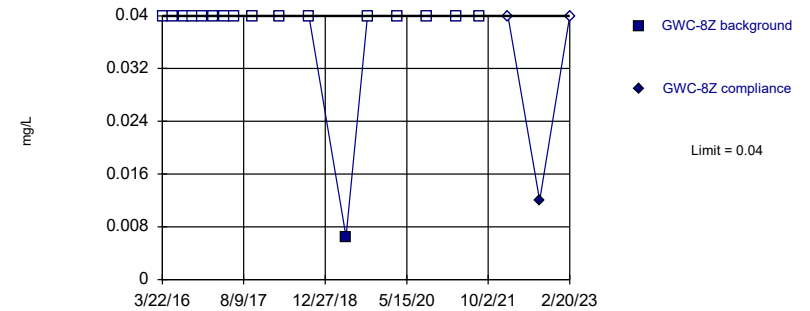


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

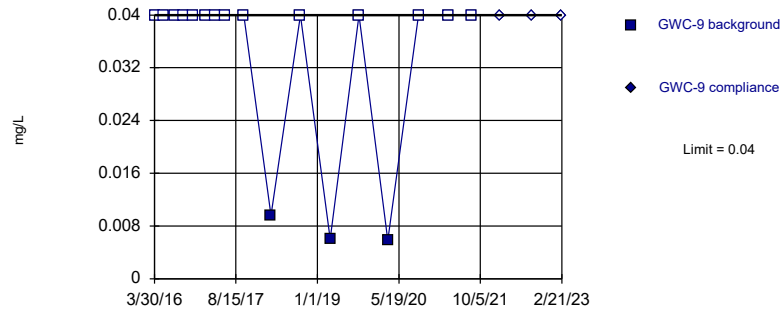


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

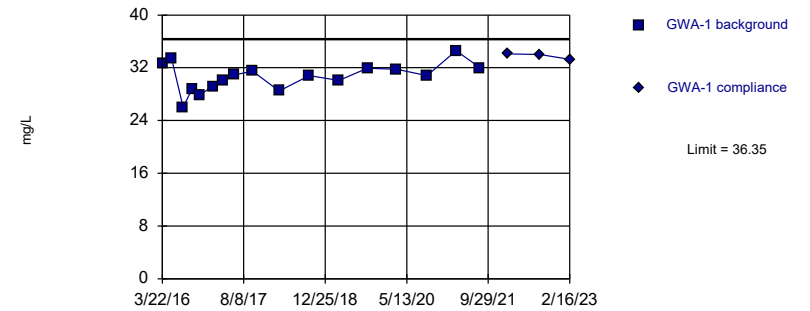


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

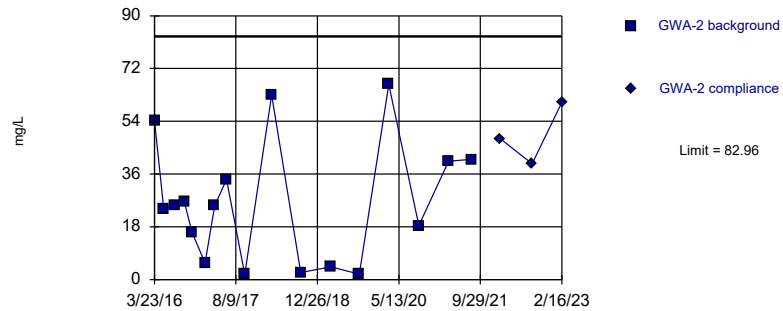


Background Data Summary: Mean=30.64, Std. Dev.=2.13, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9879, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

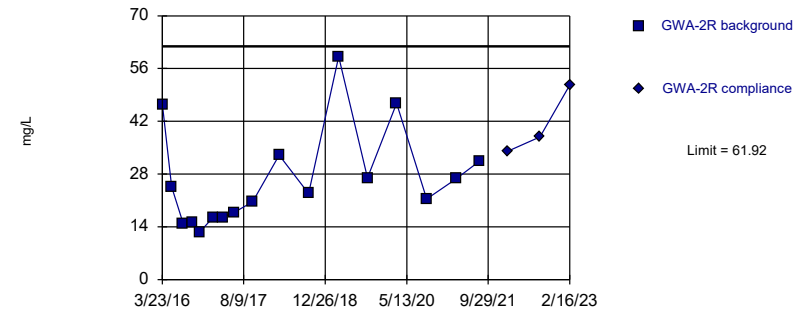


Background Data Summary: Mean=26.51, Std. Dev.=21.04, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9185, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

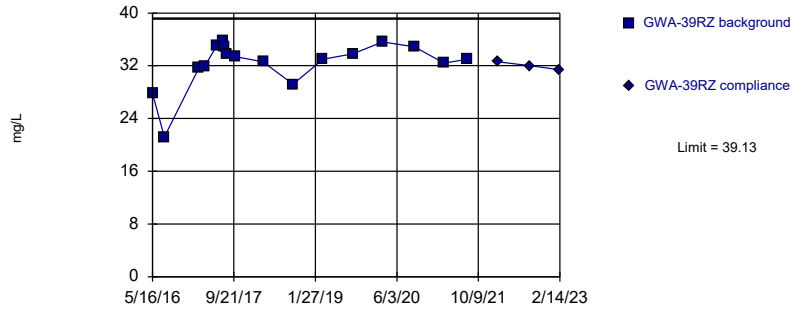


Background Data Summary: Mean=26.68, Std. Dev.=13.13, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.86, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

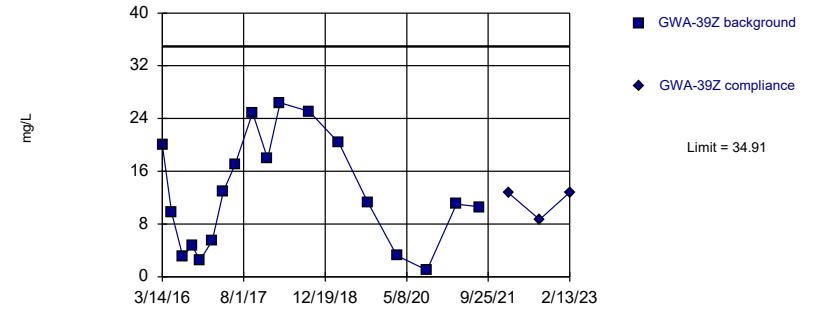


Background Data Summary (based on cube transformation): Mean=34952, Std. Dev.=9306, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8852, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

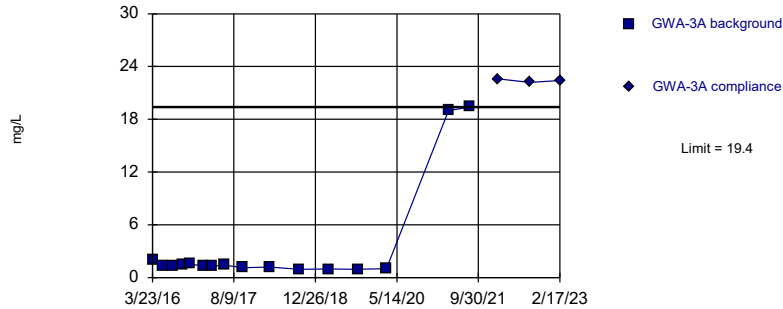


Background Data Summary: Mean=12.62, Std. Dev.=8.42, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit Intrawell Non-parametric

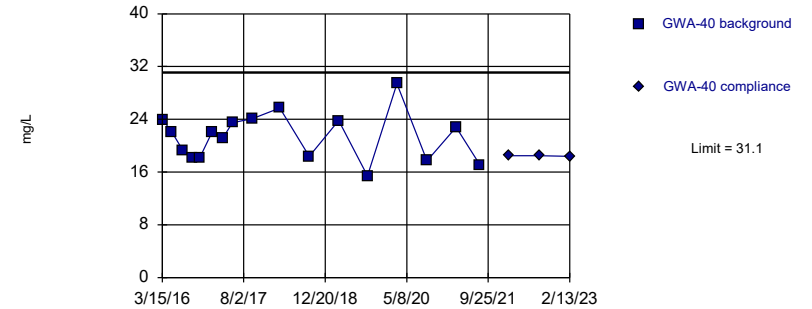


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

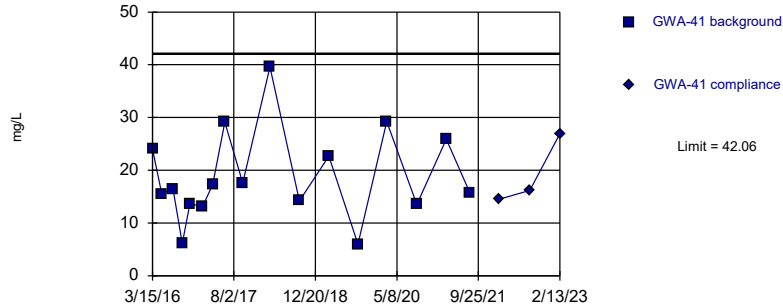


Background Data Summary: Mean=21.34, Std. Dev.=3.637, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9605, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

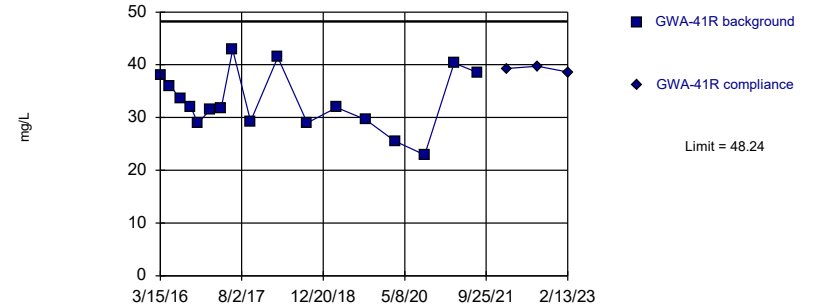


Background Data Summary: Mean=18.81, Std. Dev.=8.667, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.934, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

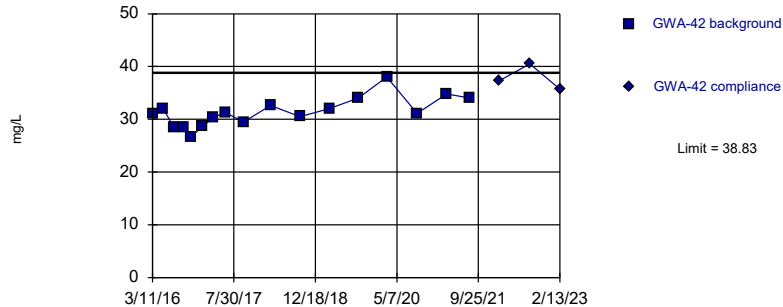


Background Data Summary: Mean=33.1, Std. Dev.=5.641, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

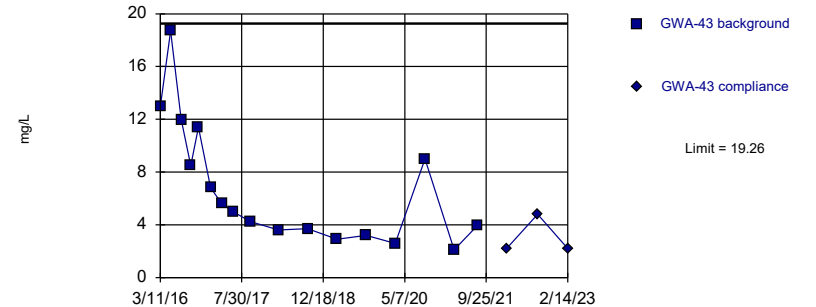


Background Data Summary: Mean=31.39, Std. Dev.=2.773, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9691, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

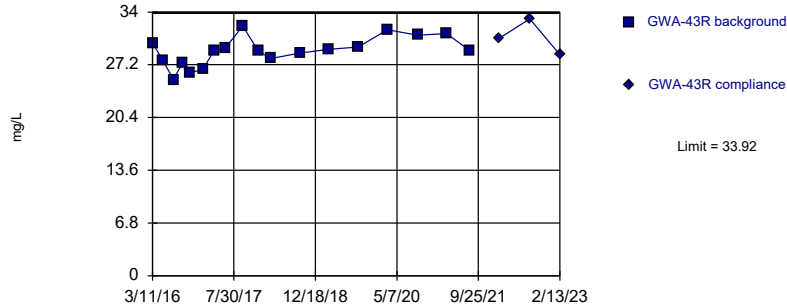


Background Data Summary: Mean=6.843, Std. Dev.=4.628, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8631, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

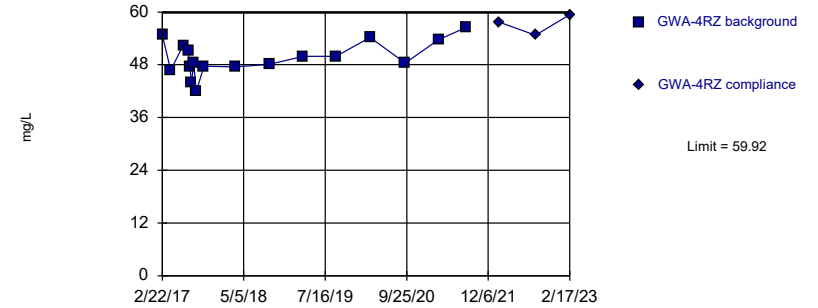


Background Data Summary: Mean=28.96, Std. Dev.=1.875, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9746, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

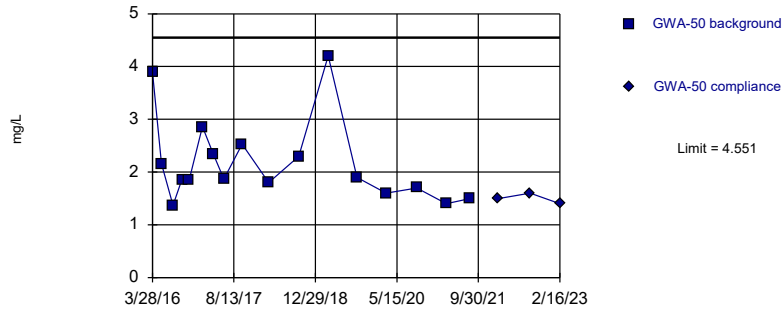


Background Data Summary: Mean=49.56, Std. Dev.=3.858, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

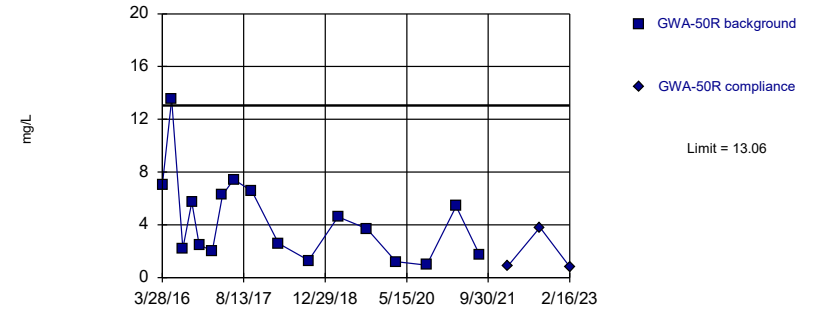


Background Data Summary (based on square root transformation): Mean=1.458, Std. Dev.=0.2518, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8714, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

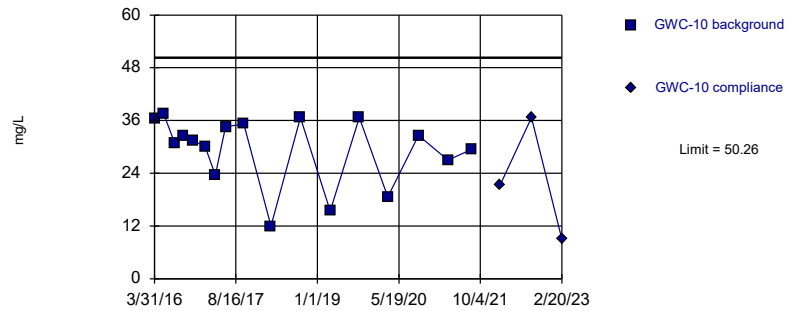


Background Data Summary: Mean=4.392, Std. Dev.=3.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8664, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

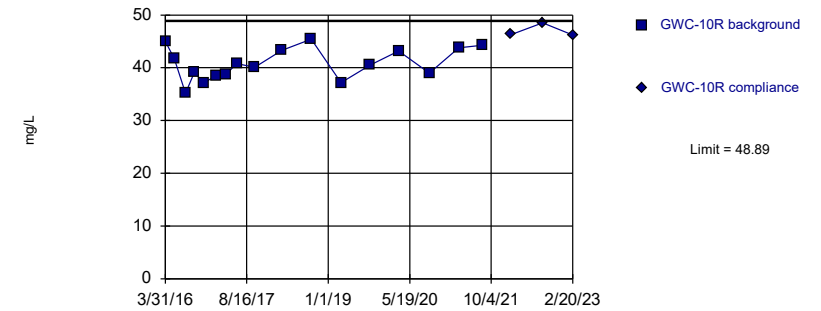


Background Data Summary: Mean=29.44, Std. Dev.=7.761, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8667, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

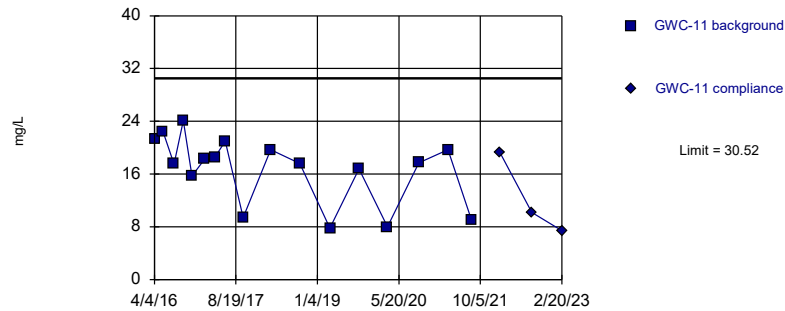


Background Data Summary: Mean=40.76, Std. Dev.=3.028, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9606, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

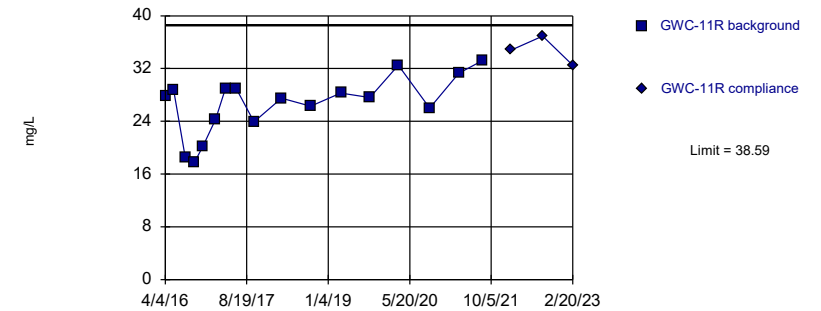


Background Data Summary: Mean=16.75, Std. Dev.=5.131, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8822, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

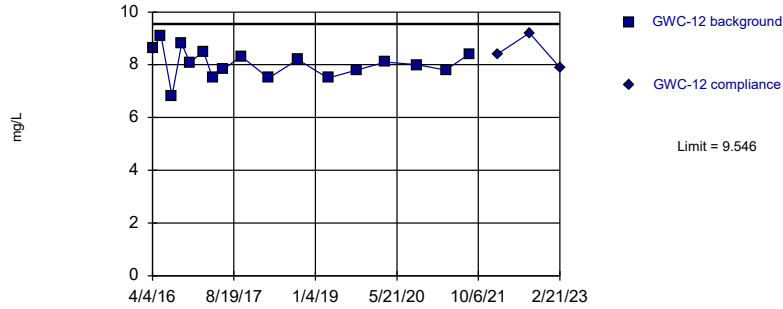


Background Data Summary: Mean=26.59, Std. Dev.=4.472, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9308, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

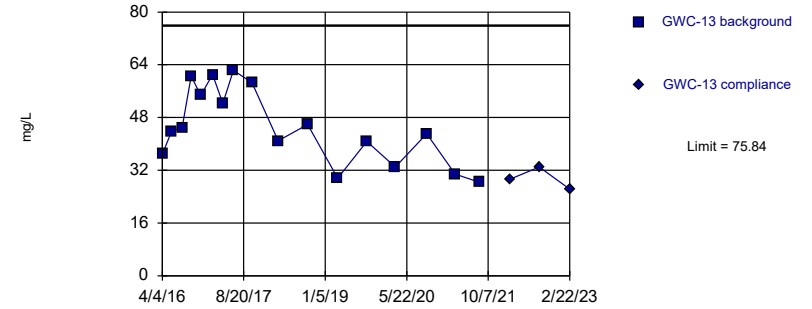


Background Data Summary: Mean=8.05, Std. Dev.=0.5575, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

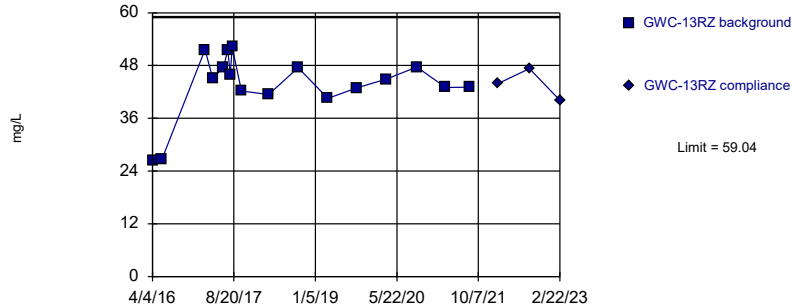


Background Data Summary: Mean=45.15, Std. Dev.=11.44, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9329, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

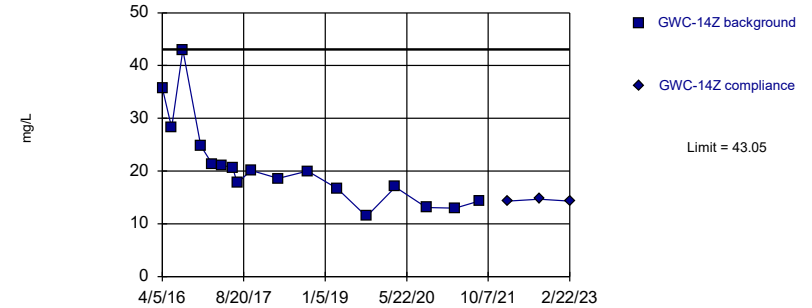


Background Data Summary (based on square transformation): Mean=1947, Std. Dev.=573.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8872, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

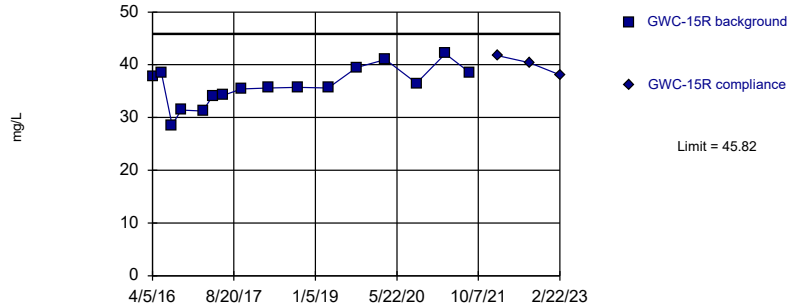


Background Data Summary: Mean=20.97, Std. Dev.=8.227, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8565, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

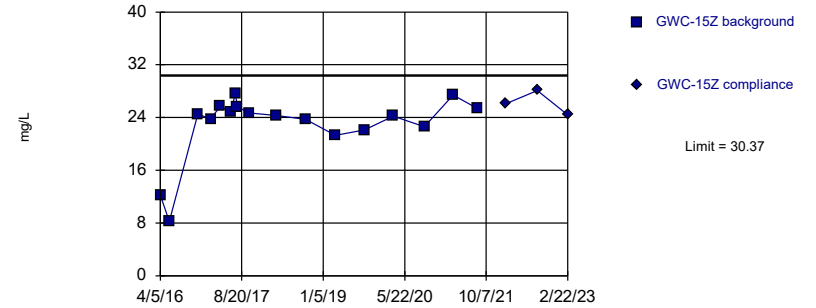


Background Data Summary: Mean=35.98, Std. Dev.=3.621, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9765, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

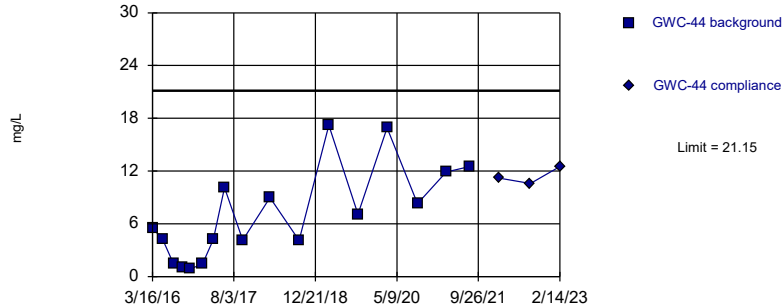


Background Data Summary (based on cube transformation): Mean=13334, Std. Dev.=5471, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8822, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

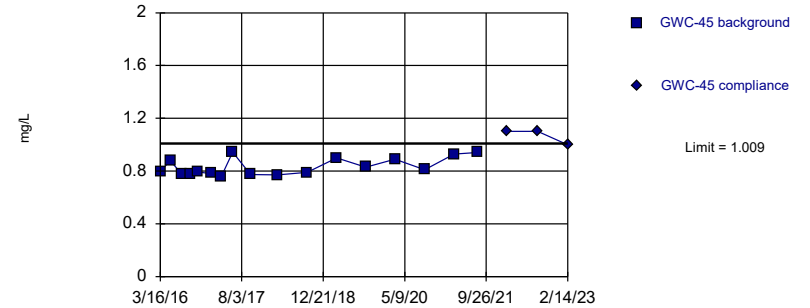


Background Data Summary: Mean=7.058, Std. Dev.=5.251, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.912, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

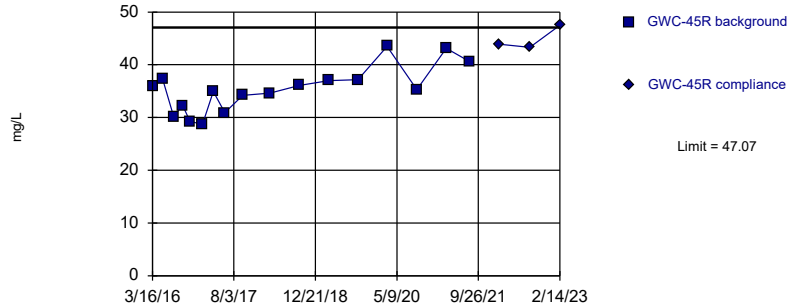


Background Data Summary: Mean=0.8318, Std. Dev.=0.06622, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8519, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

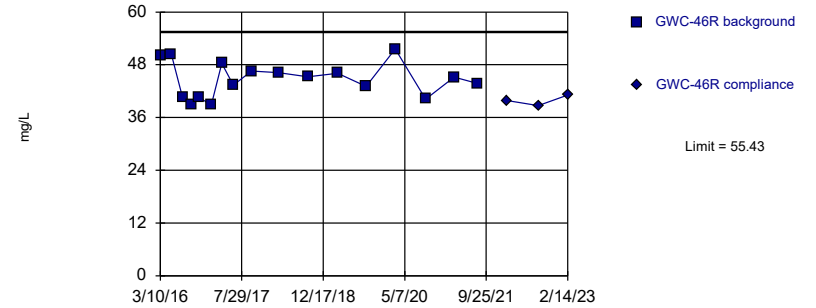


Background Data Summary: Mean=35.37, Std. Dev.=4.358, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

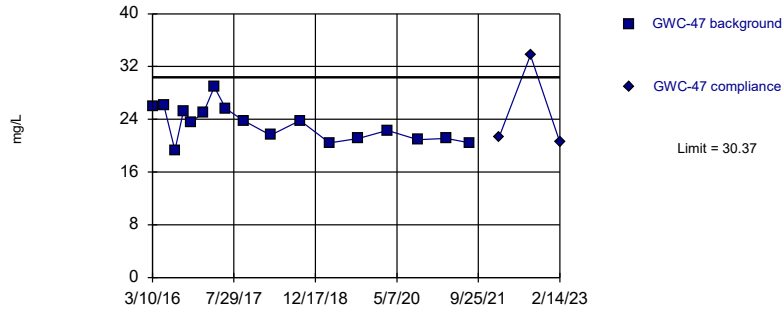


Background Data Summary: Mean=44.66, Std. Dev.=4.014, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9542, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

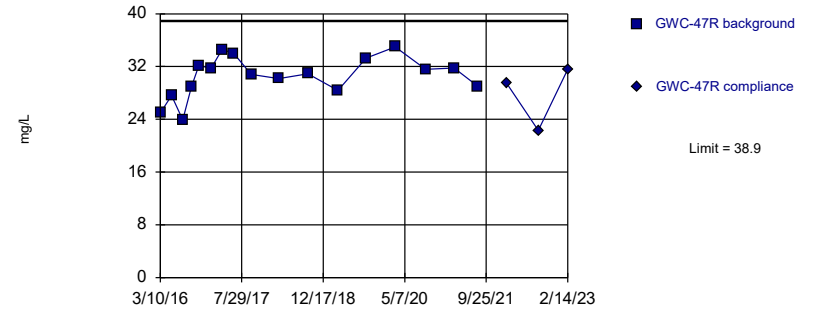


Background Data Summary: Mean=23.26, Std. Dev.=2.649, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

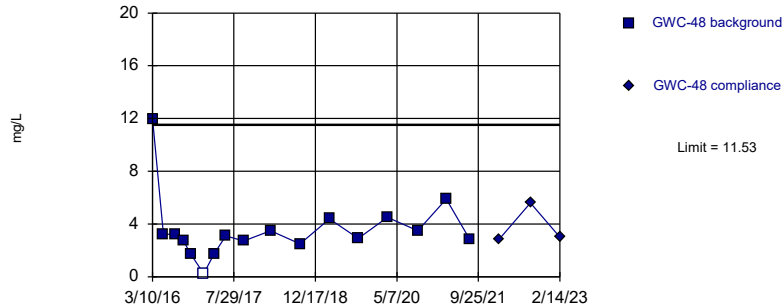


Background Data Summary: Mean=30.52, Std. Dev.=3.123, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

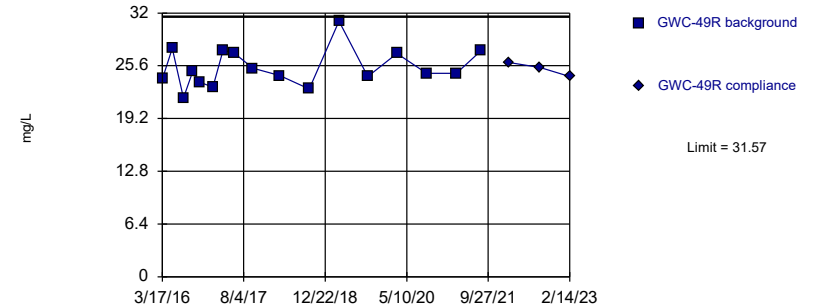


Background Data Summary (based on square root transformation): Mean=1.798, Std. Dev.=0.5951, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8711, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

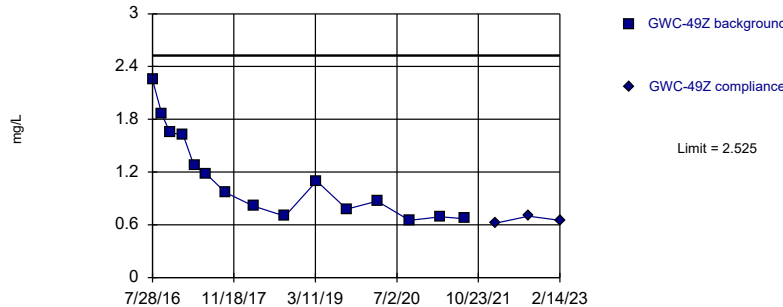


Background Data Summary: Mean=25.36, Std. Dev.=2.314, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

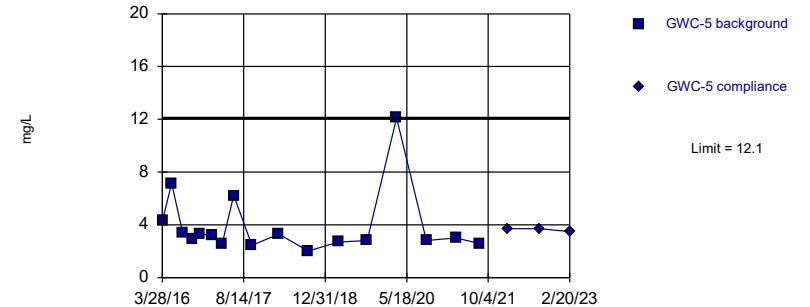


Background Data Summary: Mean=1.138, Std. Dev.=0.4971, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.835. Kappa = 2.79 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

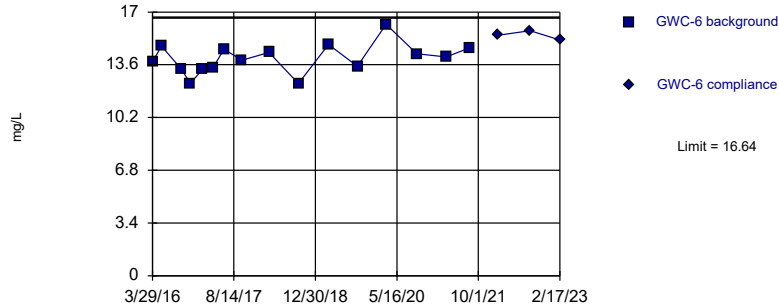


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

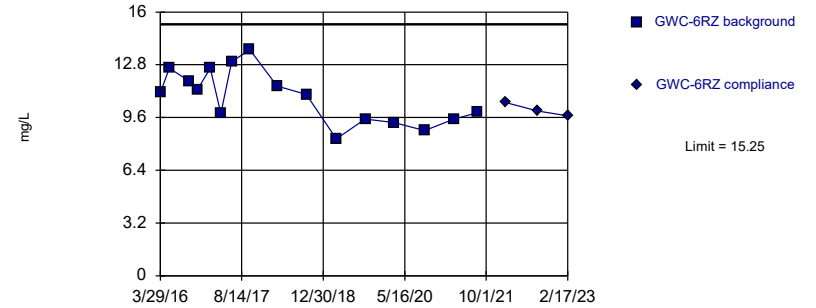


Background Data Summary: Mean=14, Std. Dev.=0.9716, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9621, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

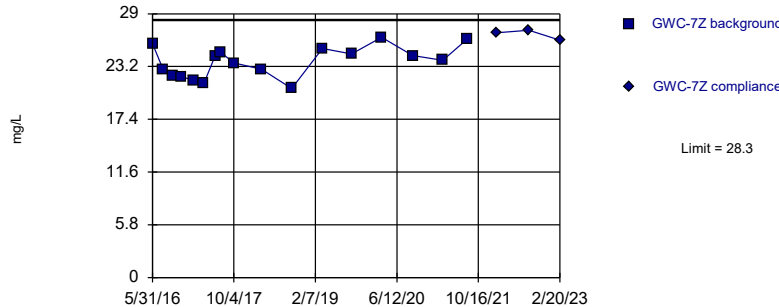


Background Data Summary: Mean=10.86, Std. Dev.=1.616, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9596, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

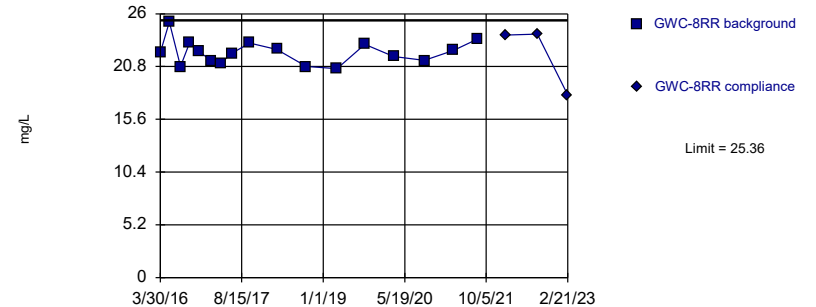


Background Data Summary: Mean=23.72, Std. Dev.=1.707, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9651, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

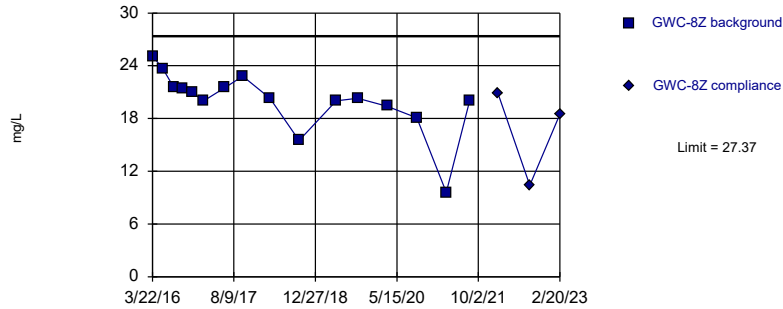


Background Data Summary: Mean=22.19, Std. Dev.=1.179, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

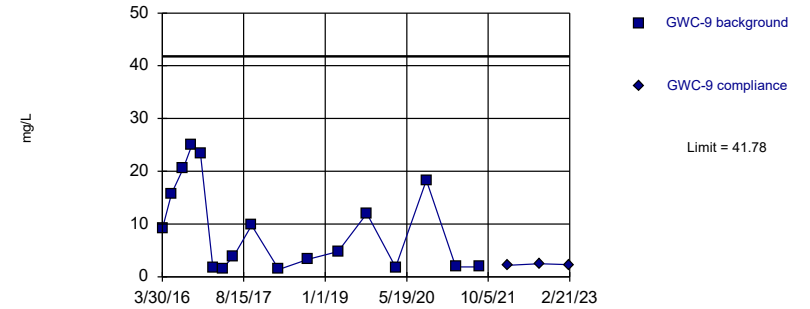


Background Data Summary (based on square transformation): Mean=412.2, Std. Dev.=123.9, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

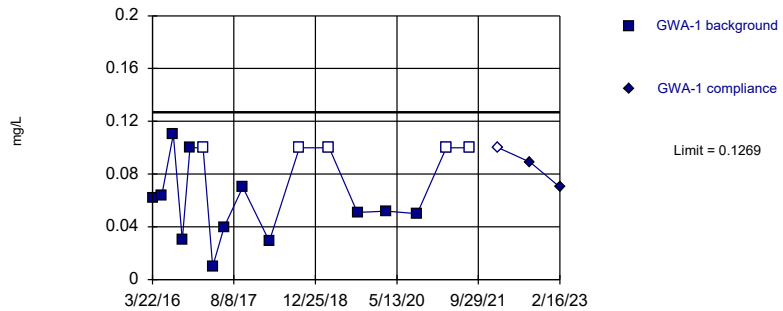


Background Data Summary (based on square root transformation): Mean=2.708, Std. Dev.=1.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8699, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

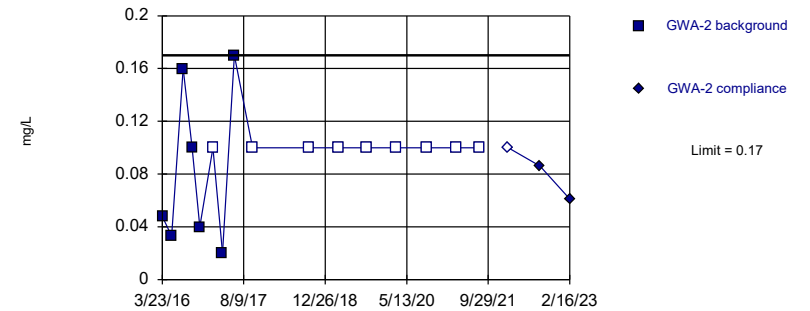


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.05491, Std. Dev.=0.02684, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

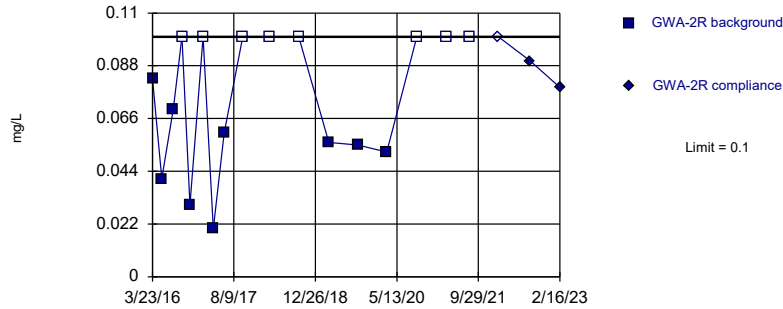


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

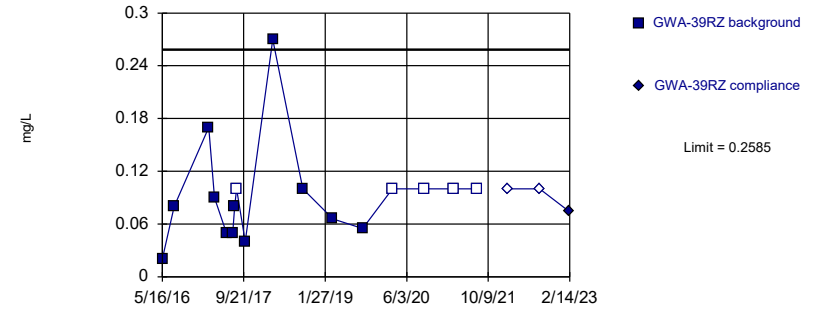


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

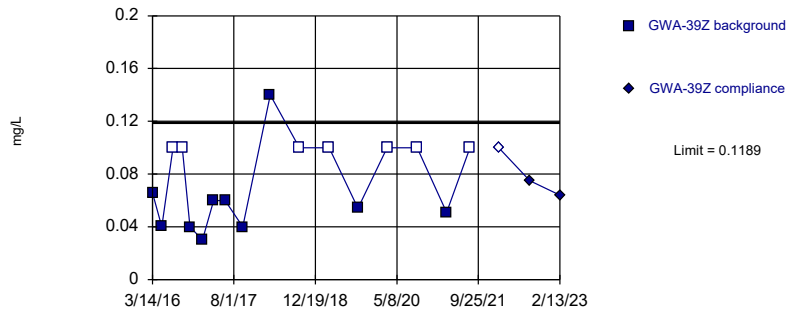


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.2579, Std. Dev.=0.09337, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

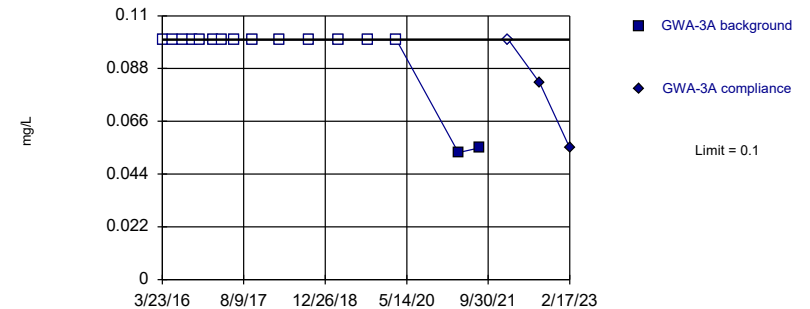


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.05128, Std. Dev.=0.0252, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8838, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

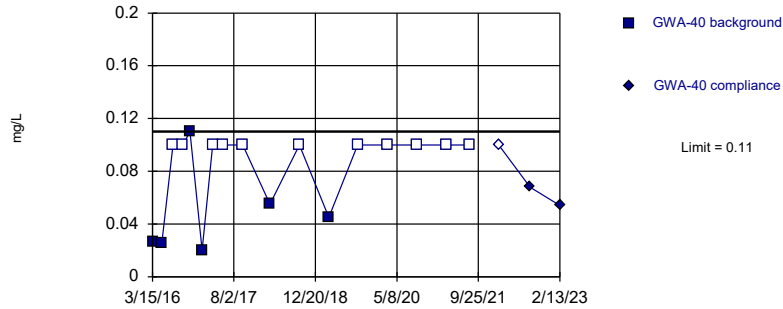


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

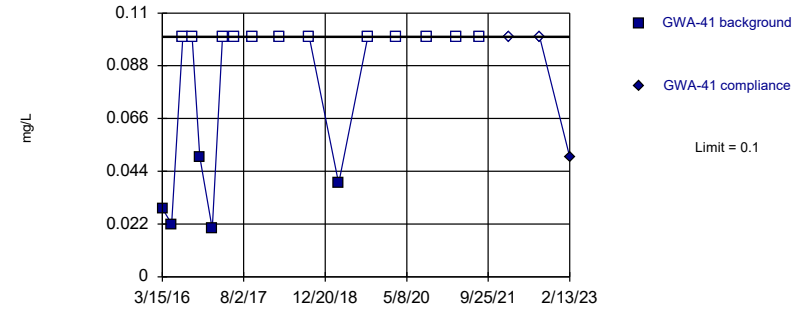


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

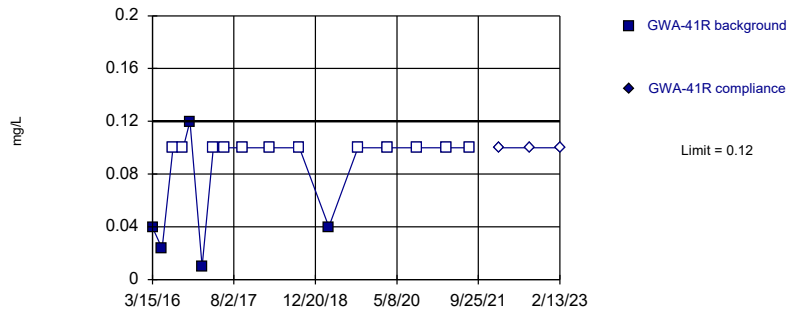


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

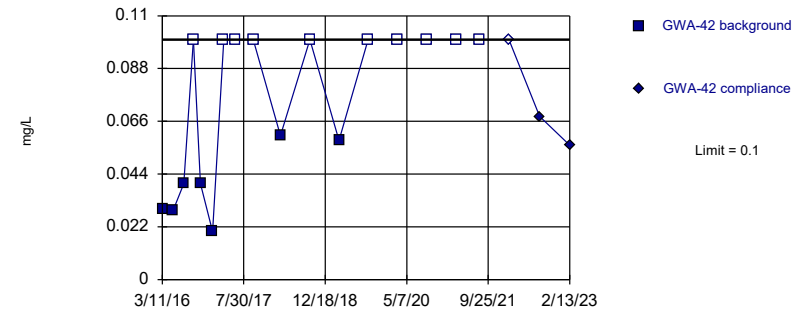


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

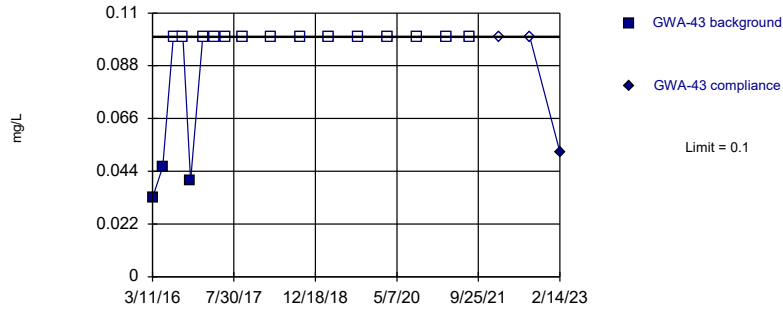


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

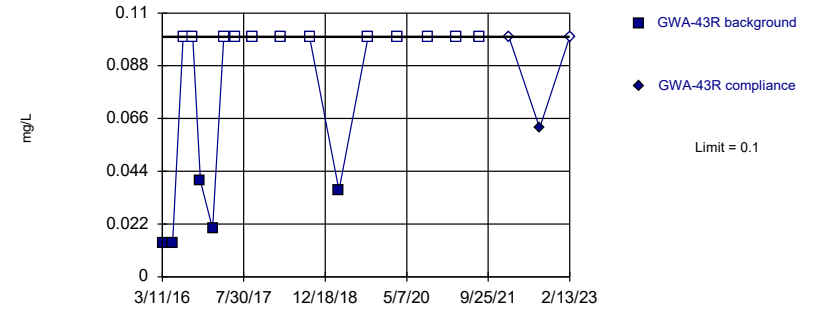


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

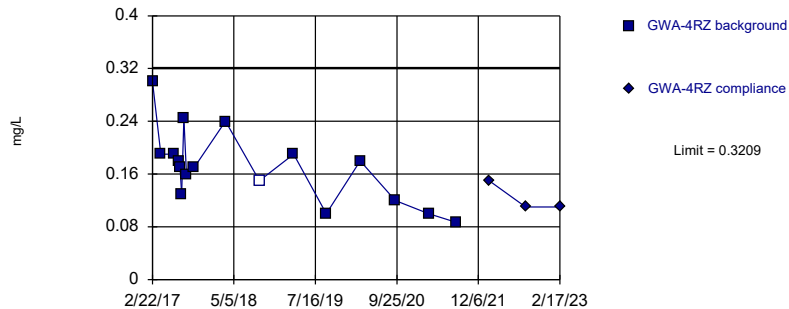


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

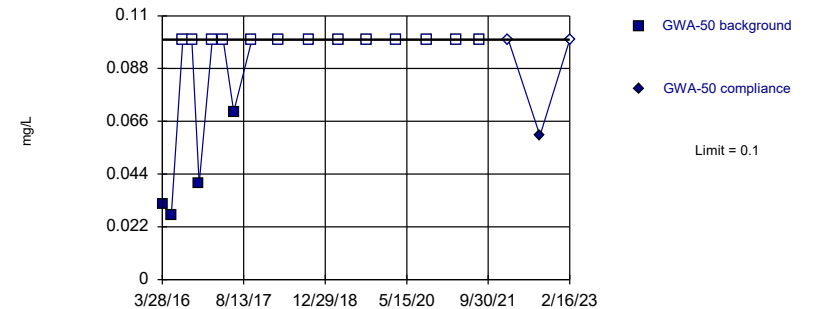


Background Data Summary: Mean=0.1707, Std. Dev.=0.05596, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9497, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

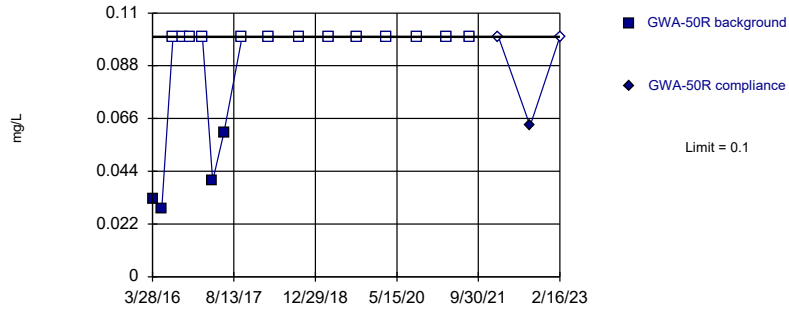


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

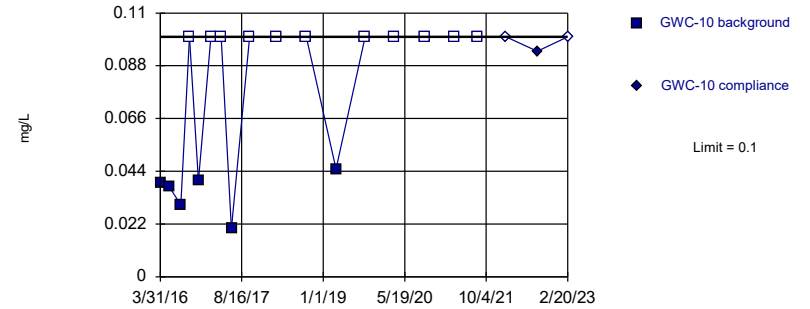


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

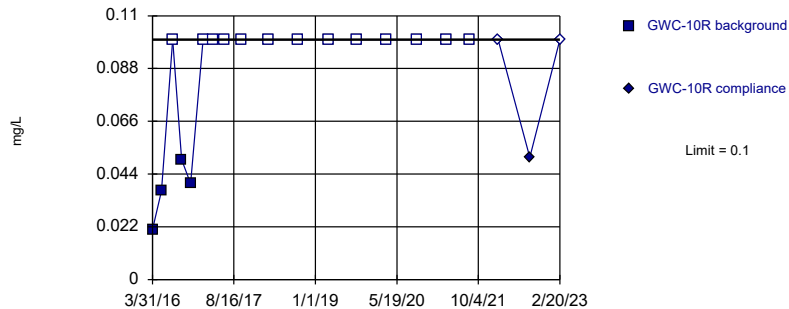


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

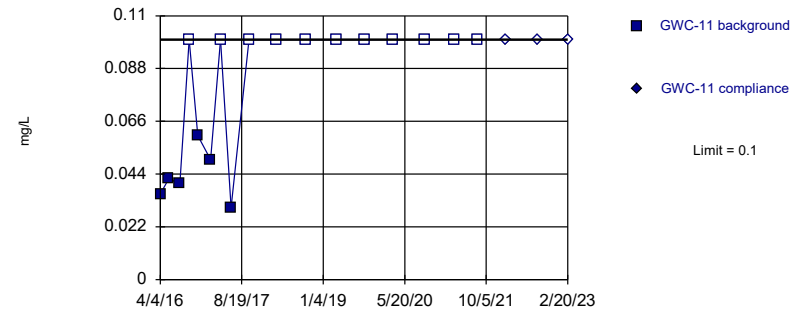


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

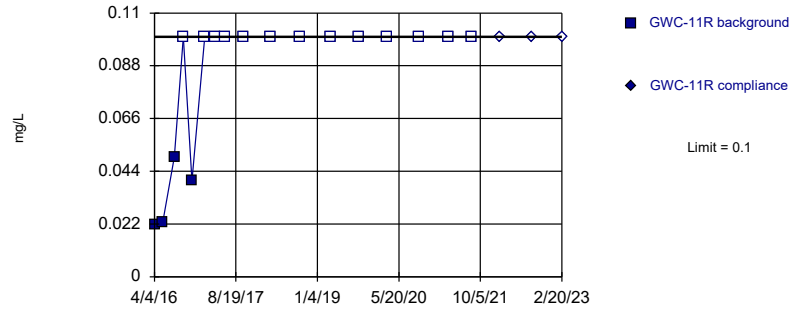


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

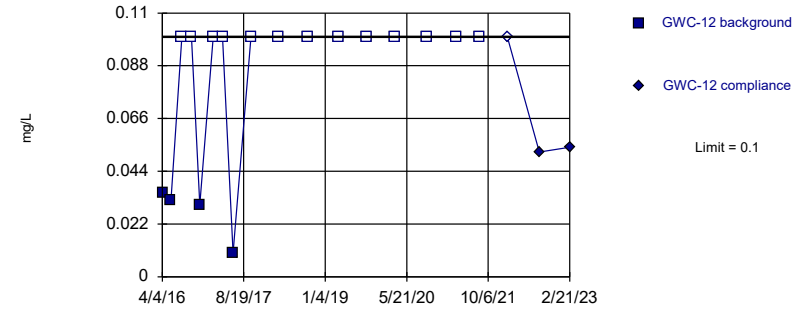


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

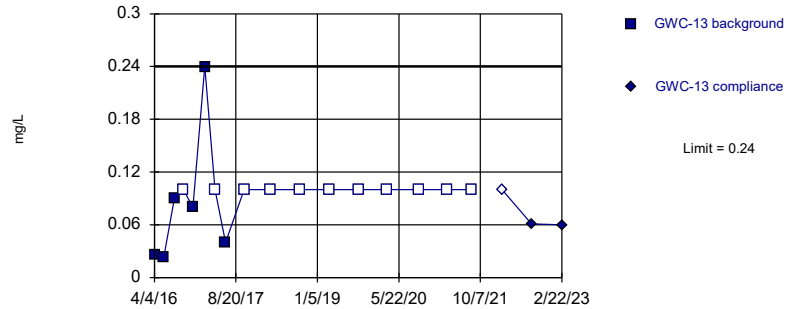


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

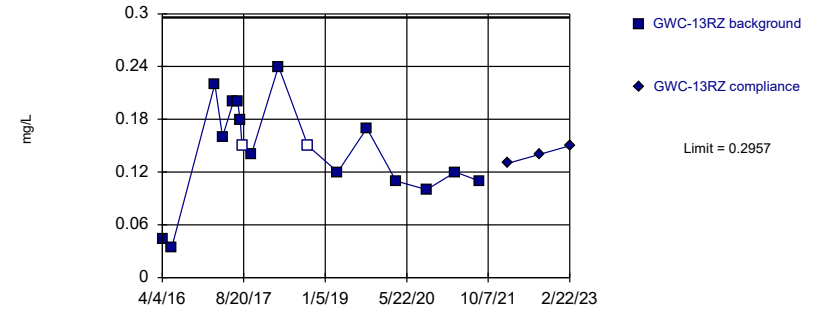


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

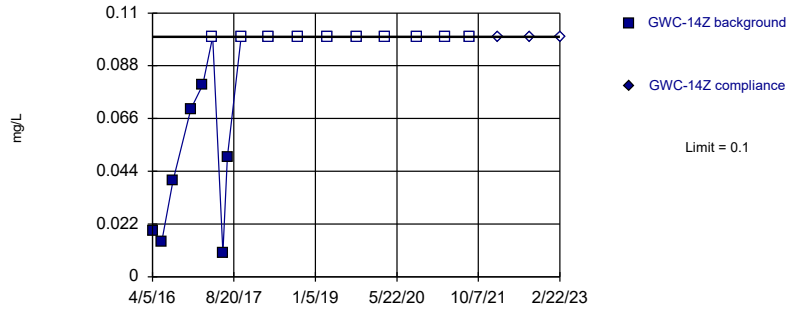


Background Data Summary: Mean=0.144, Std. Dev.=0.05653, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

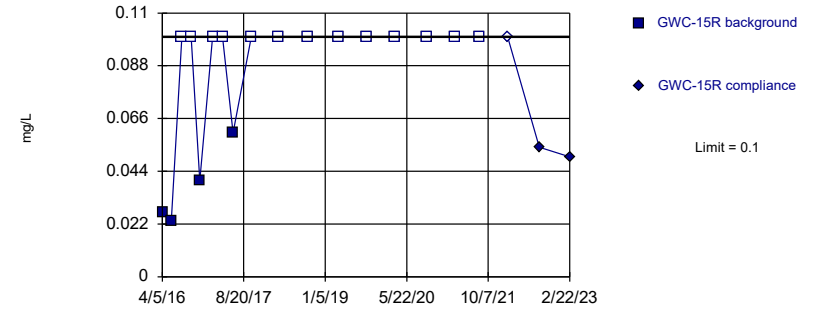


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

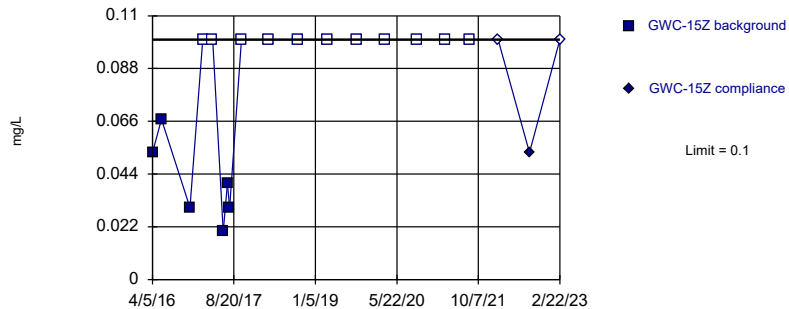


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

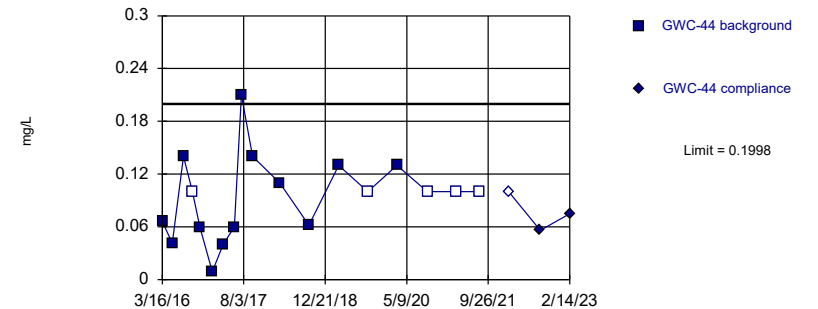


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

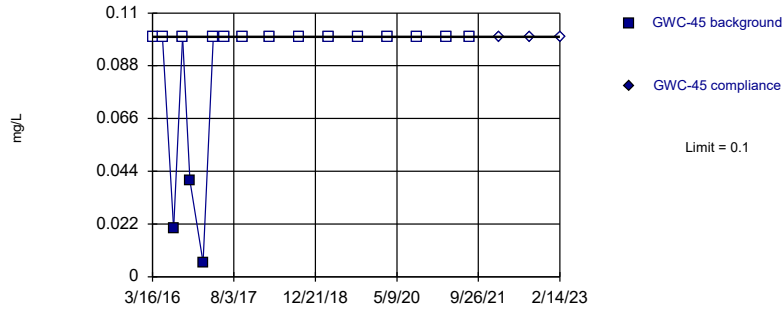


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0679, Std. Dev.=0.04985, n=18, 27.78% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

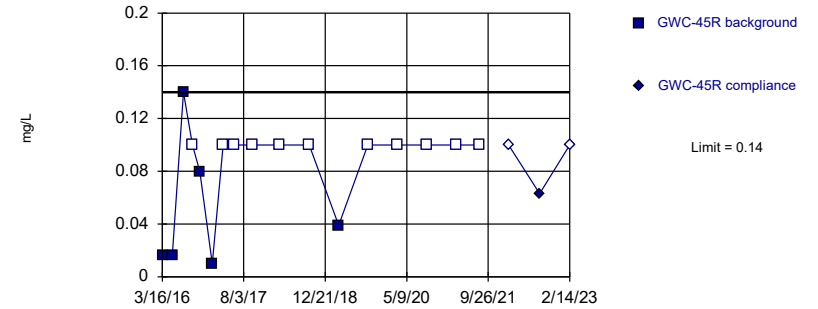


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

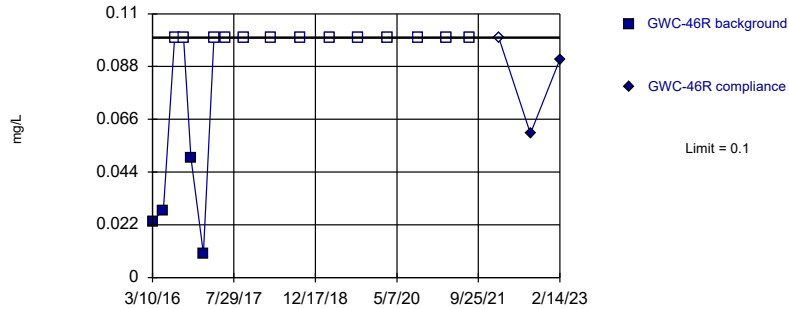


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

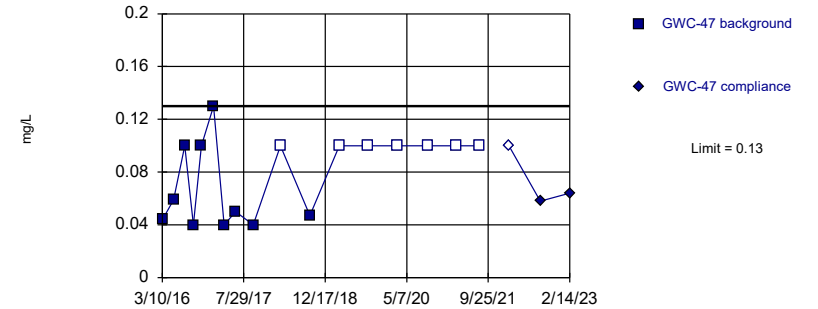


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

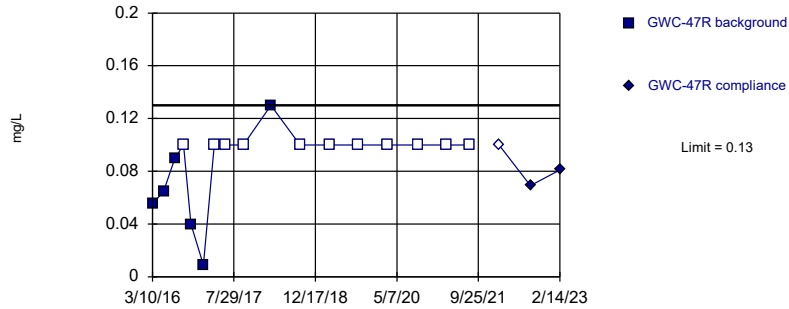


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

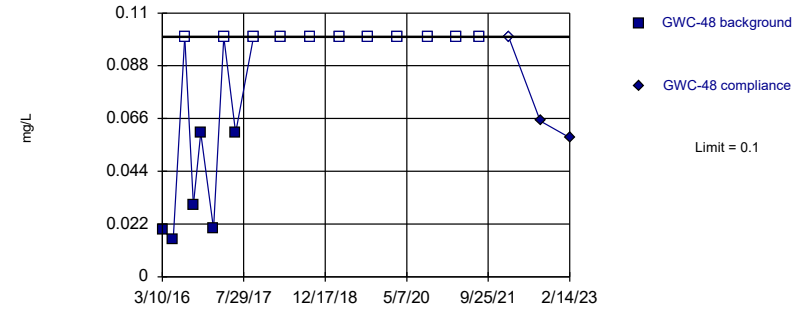


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

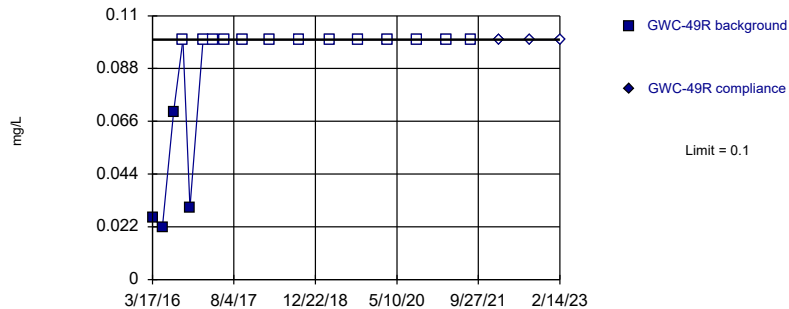


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

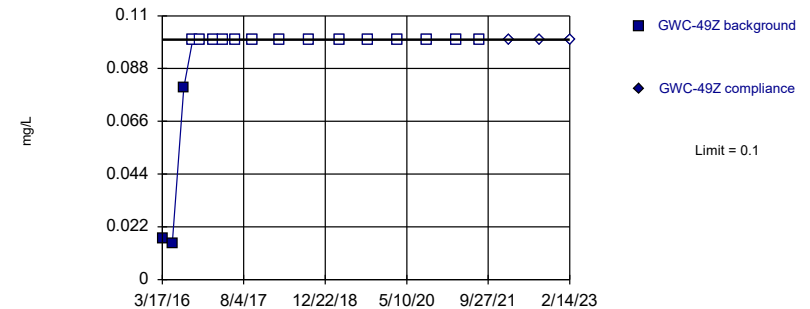


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

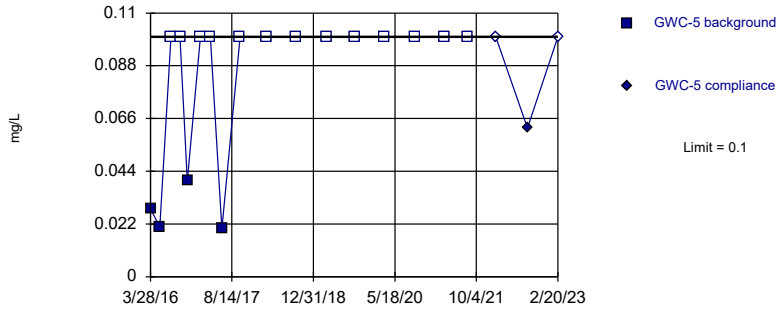


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

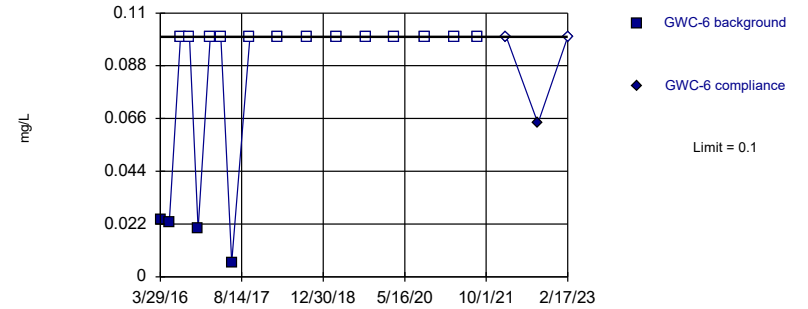


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

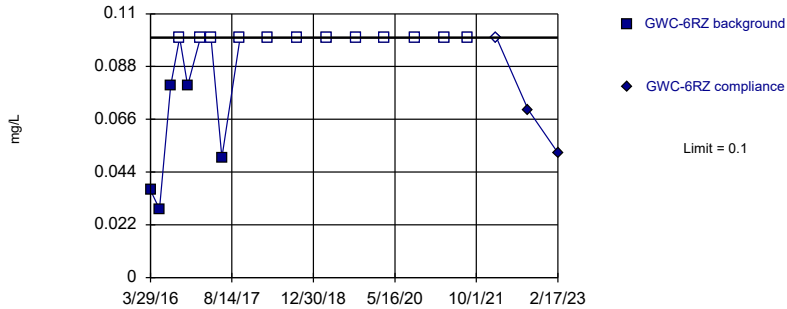


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

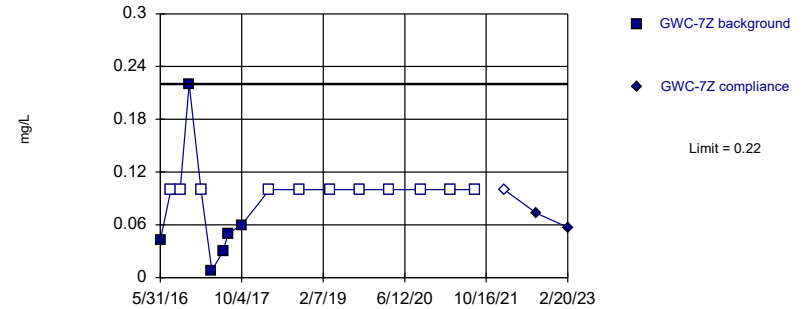


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

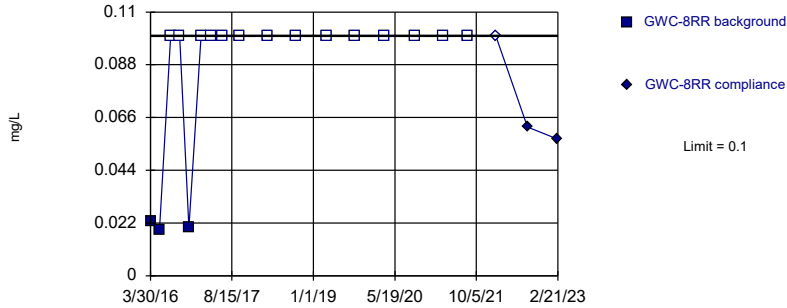


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

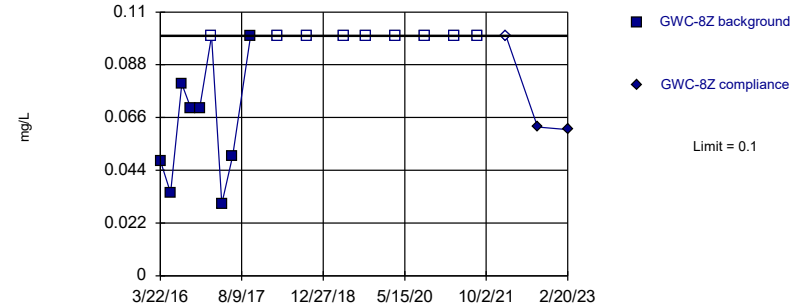


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

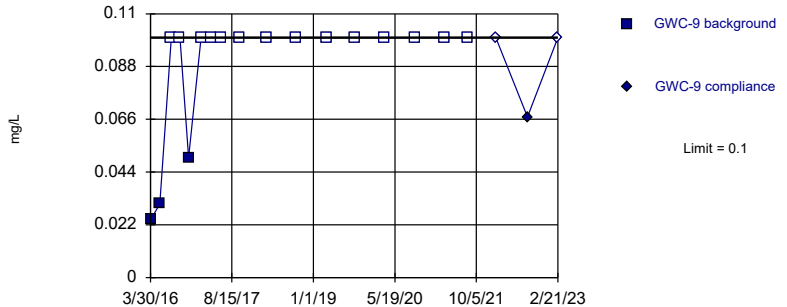


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

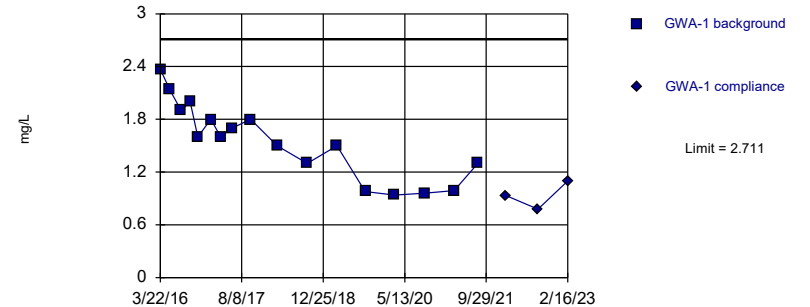


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

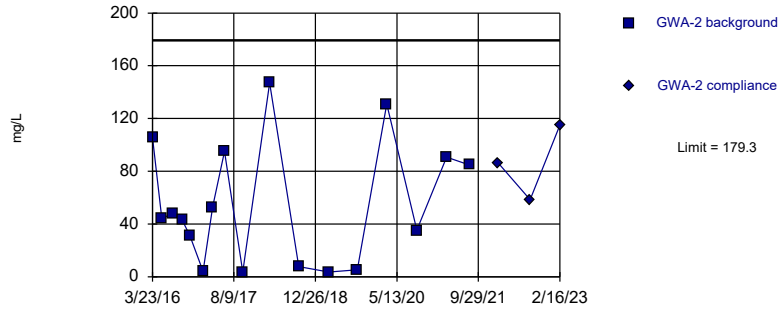


Background Data Summary: Mean=1.552, Std. Dev.=0.4319, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9521, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

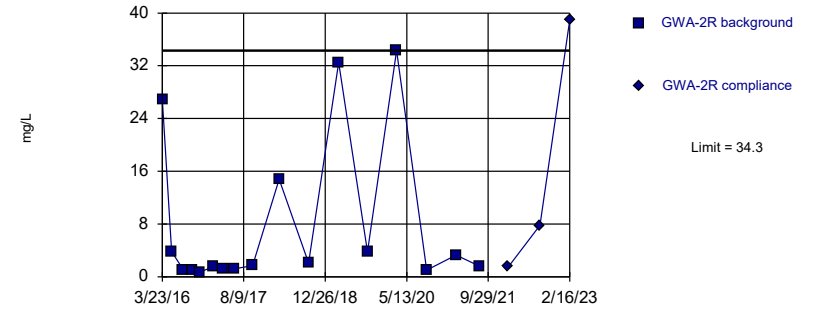


Background Data Summary: Mean=54.87, Std. Dev.=46.38, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9066, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

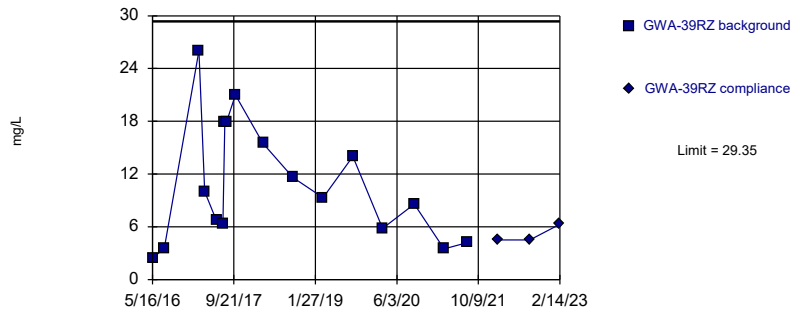


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

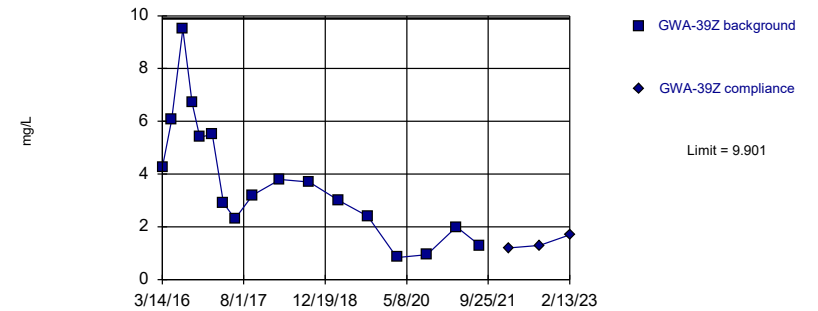


Background Data Summary: Mean=10.86, Std. Dev.=6.891, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9298, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

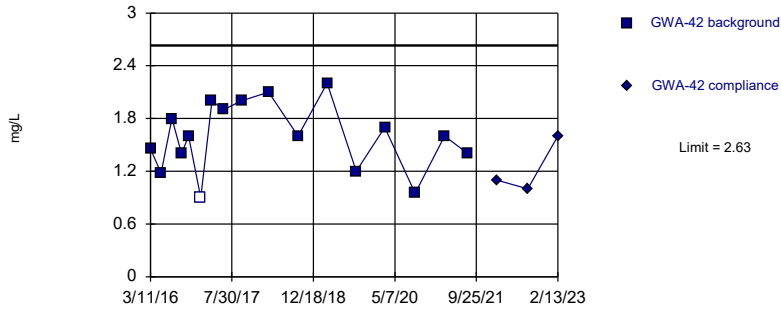


Background Data Summary: Mean=3.753, Std. Dev.=2.291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

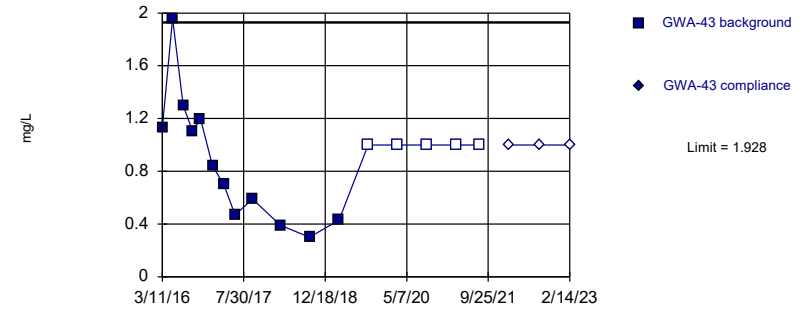


Background Data Summary: Mean=1.587, Std. Dev.=0.3887, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

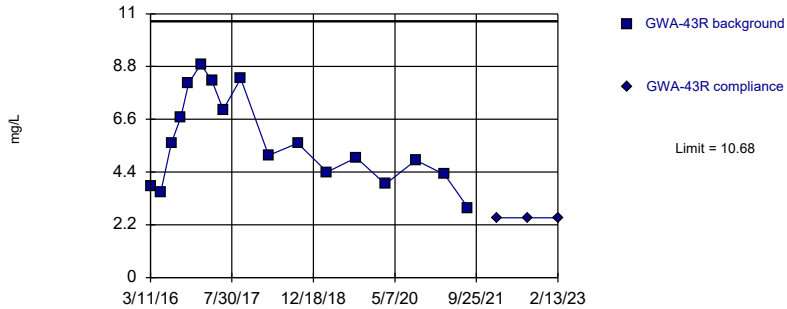


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7687, Std. Dev.=0.432, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

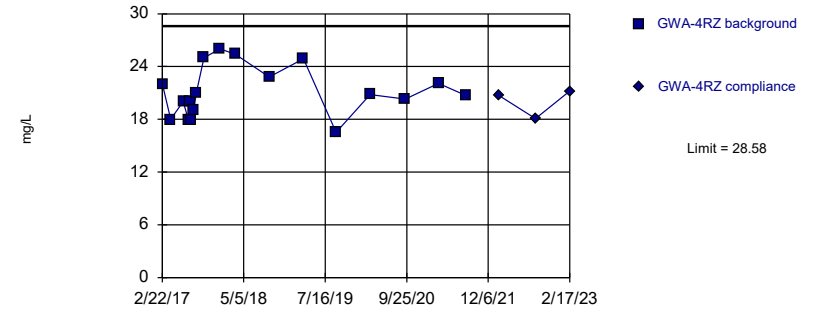


Background Data Summary: Mean=5.664, Std. Dev.=1.871, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9299, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric

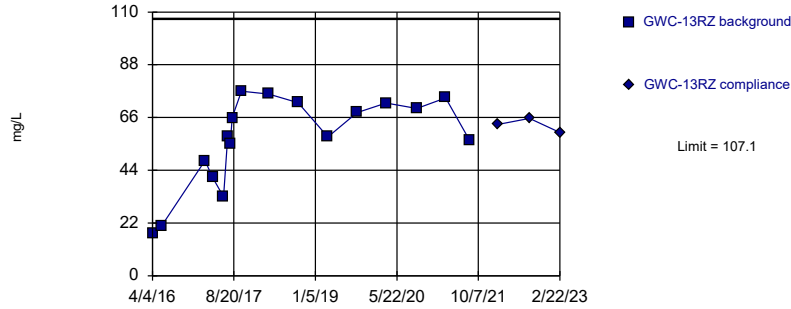


Background Data Summary: Mean=21.14, Std. Dev.=2.813, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

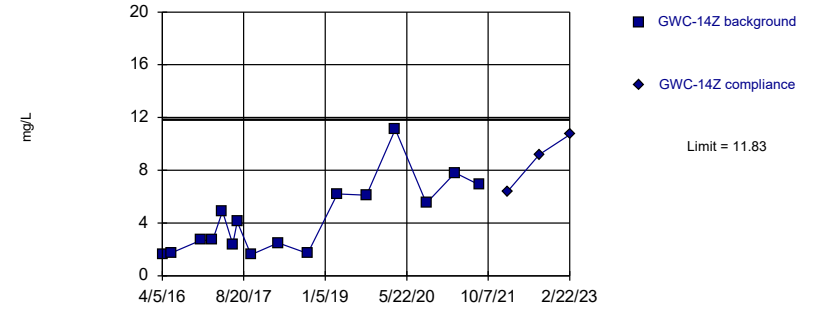


Background Data Summary: Mean=56.66, Std. Dev.=18.8, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8818, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

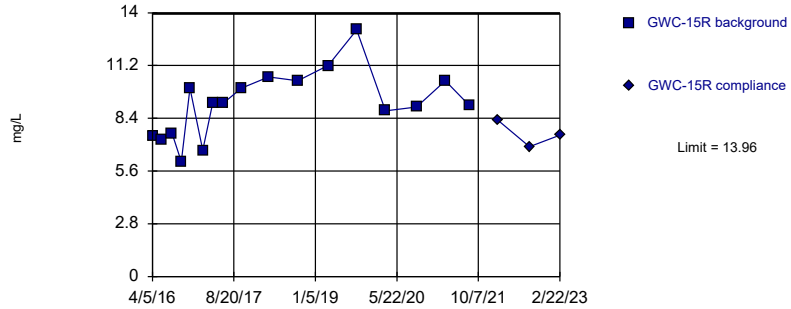


Background Data Summary: Mean=4.35, Std. Dev.=2.75, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8806, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

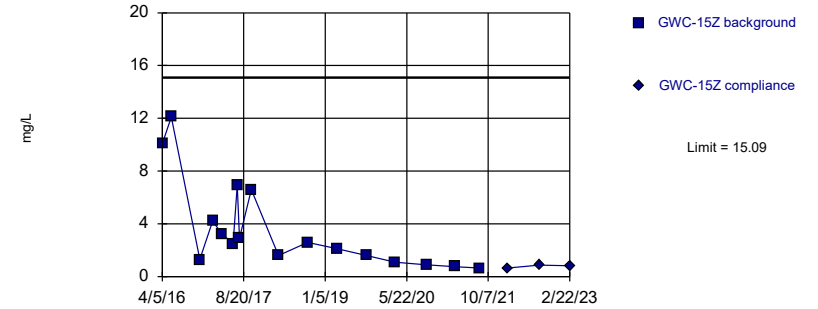


Background Data Summary: Mean=9.185, Std. Dev.=1.78, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9709, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

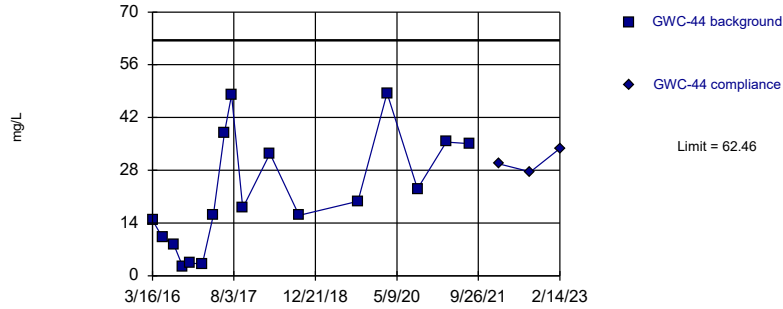


Background Data Summary (based on square root transformation): Mean=1.728, Std. Dev.=0.8034, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

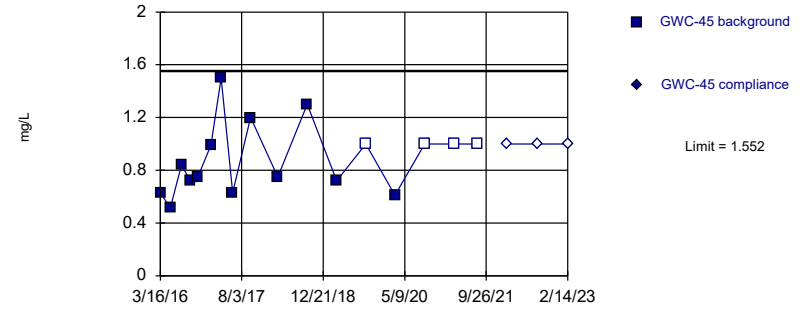


Background Data Summary: Mean=21.93, Std. Dev.=15.1, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

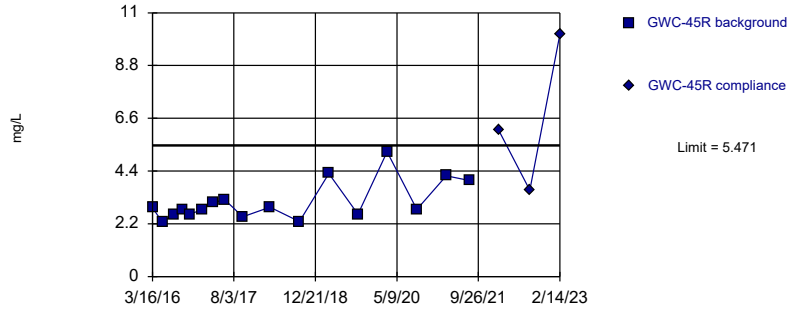


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.8033, Std. Dev.=0.2791, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

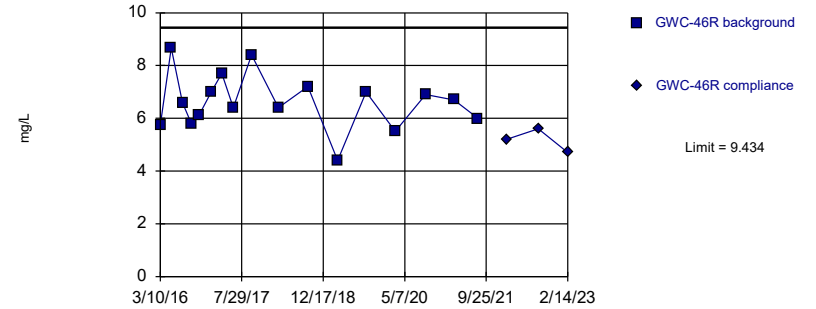


Background Data Summary (based on square root transformation): Mean=1.754, Std. Dev.=0.2182, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8594, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

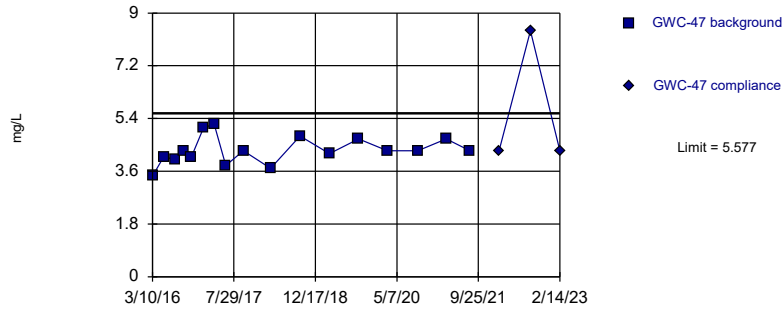
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=6.619, Std. Dev.=1.049, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9747, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

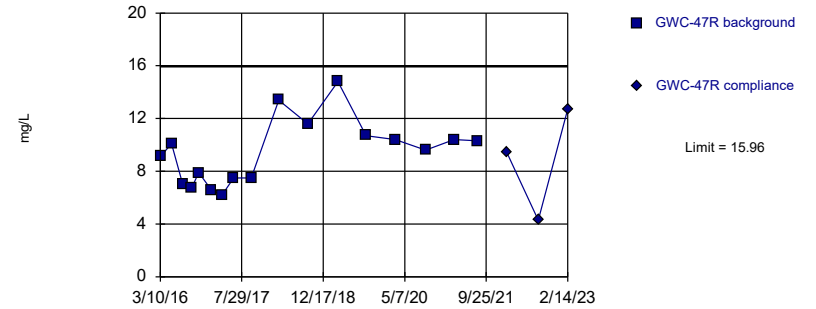
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=4.314, Std. Dev.=0.471, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

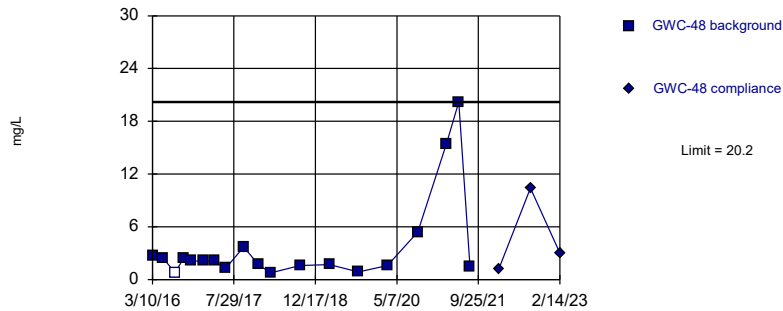
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=9.402, Std. Dev.=2.446, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9333, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

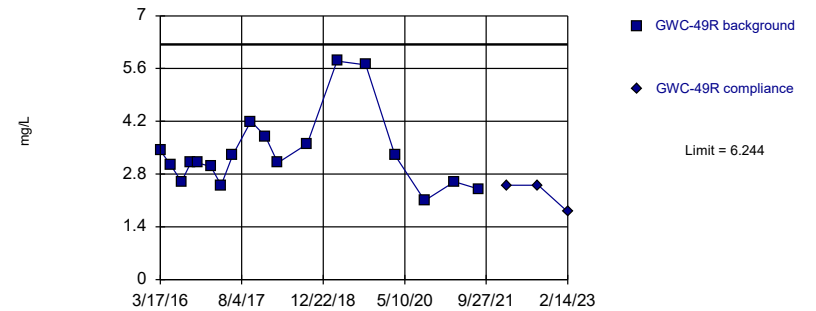
Within Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 5.263% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit
Intrawell Parametric

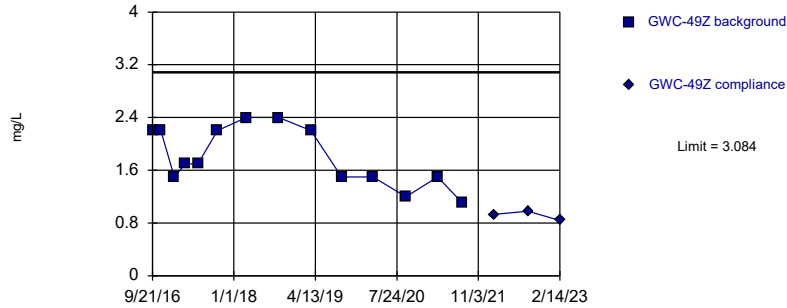


Background Data Summary (based on square root transformation): Mean=1.819, Std. Dev.=0.2569, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

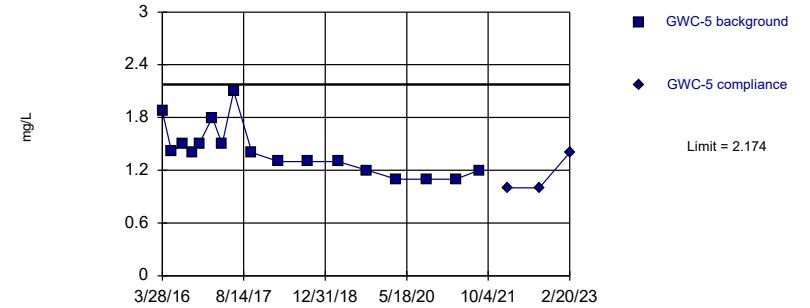


Background Data Summary: Mean=1.807, Std. Dev.=0.4463, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.825. Kappa = 2.86 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

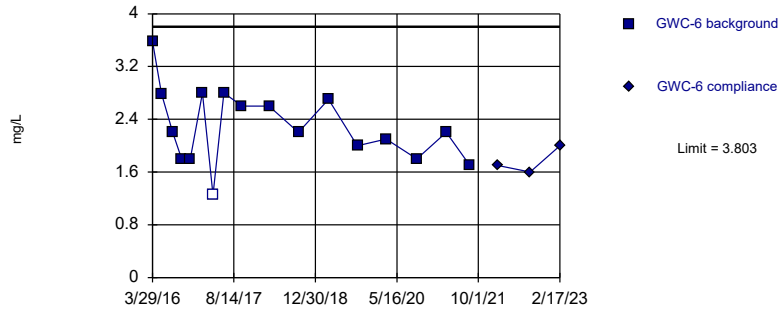


Background Data Summary: Mean=1.416, Std. Dev.=0.2824, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8898, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

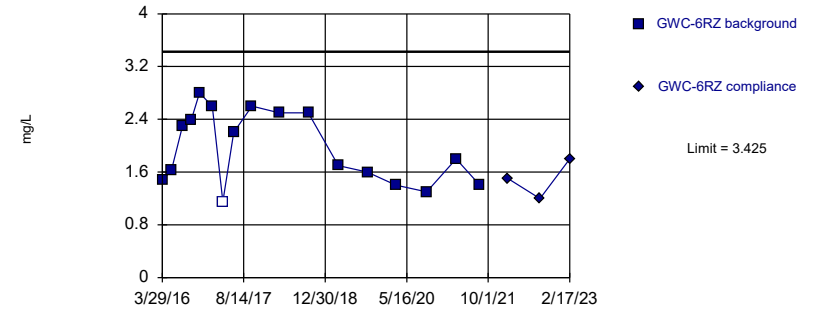


Background Data Summary: Mean=2.289, Std. Dev.=0.564, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



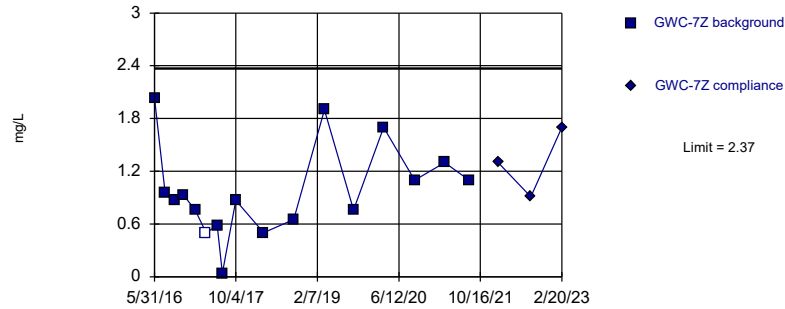
Background Data Summary: Mean=1.962, Std. Dev.=0.5452, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



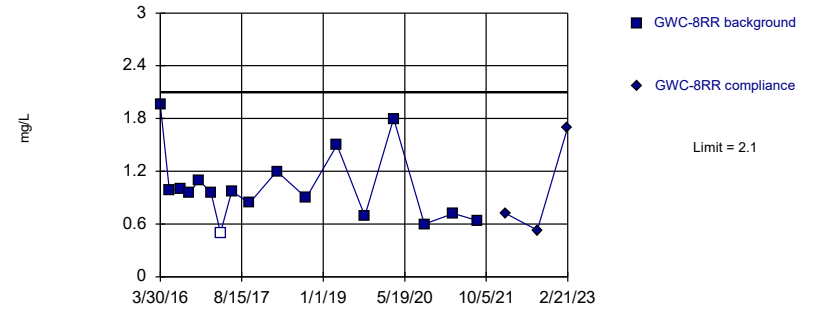
Background Data Summary: Mean=0.9735, Std. Dev.=0.5205, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9392, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



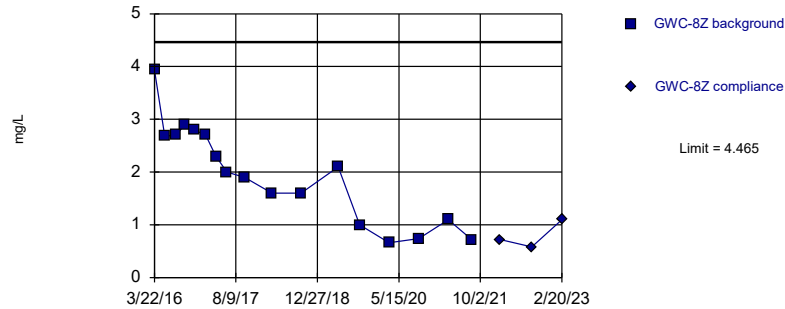
Background Data Summary: Mean=1.018, Std. Dev.=0.4031, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8863, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



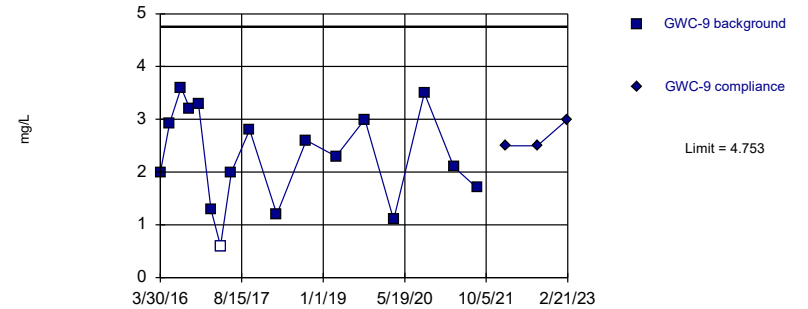
Background Data Summary: Mean=1.967, Std. Dev.=0.931, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric

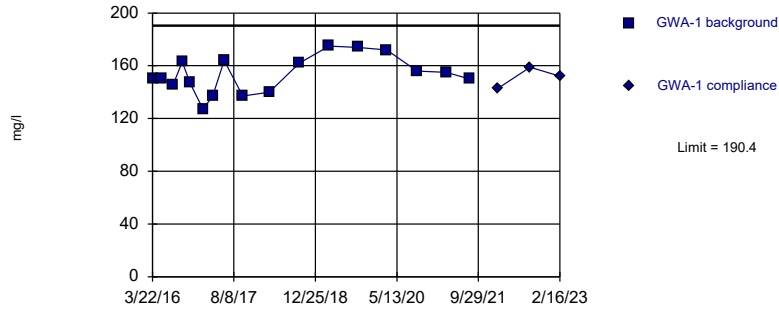


Background Data Summary: Mean=2.308, Std. Dev.=0.9112, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9562, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

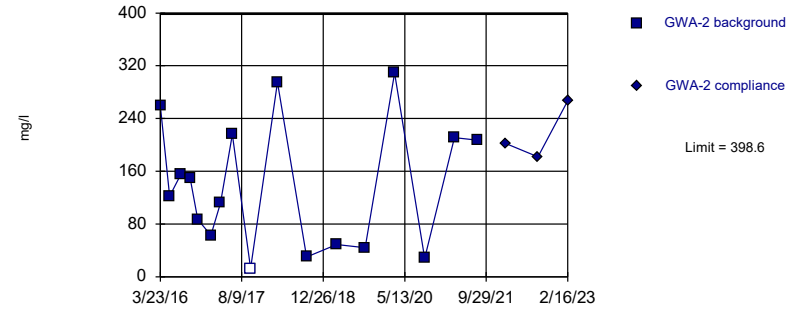


Background Data Summary: Mean=153.2, Std. Dev.=13.85, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9673, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

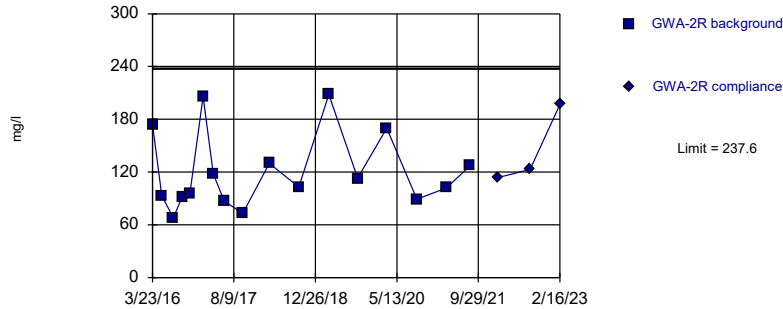


Background Data Summary: Mean=138.3, Std. Dev.=97.02, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

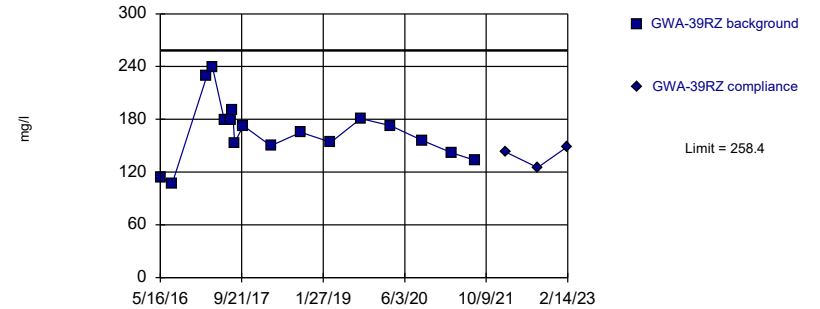


Background Data Summary: Mean=120.5, Std. Dev.=43.64, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8717, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

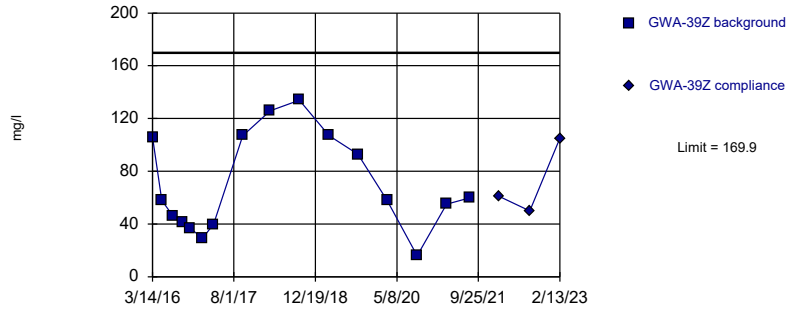


Background Data Summary: Mean=165.8, Std. Dev.=34.53, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9536, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

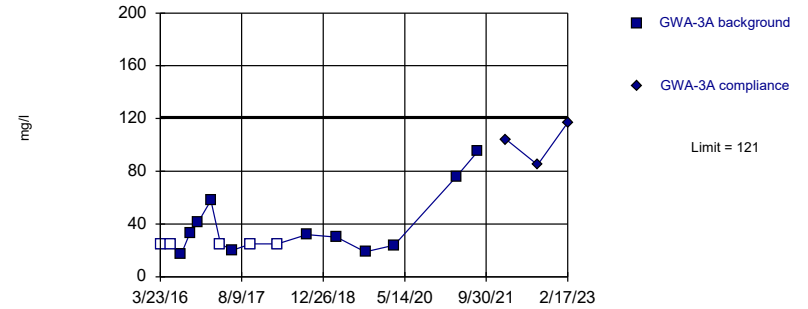


Background Data Summary: Mean=69.56, Std. Dev.=36.89, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

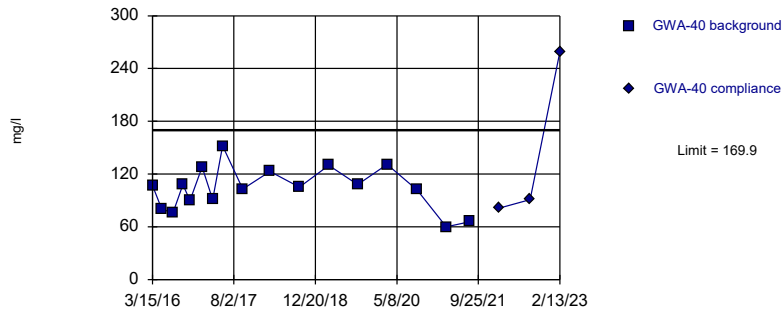


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=3.37, Std. Dev.=0.5244, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8686, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

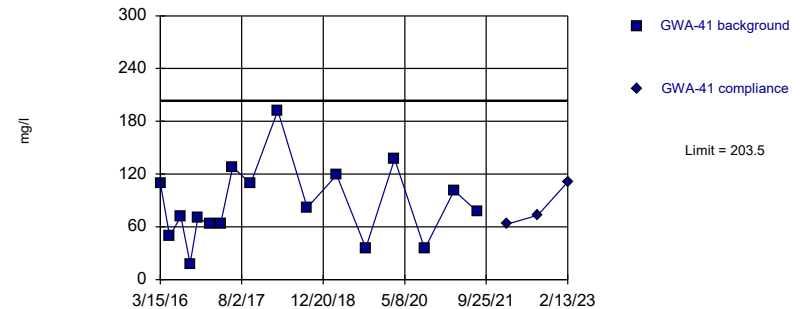


Background Data Summary: Mean=103.5, Std. Dev.=24.74, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9752, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

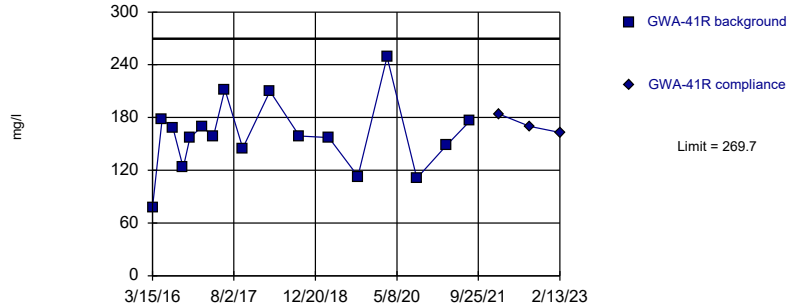


Background Data Summary: Mean=85.94, Std. Dev.=43.82, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

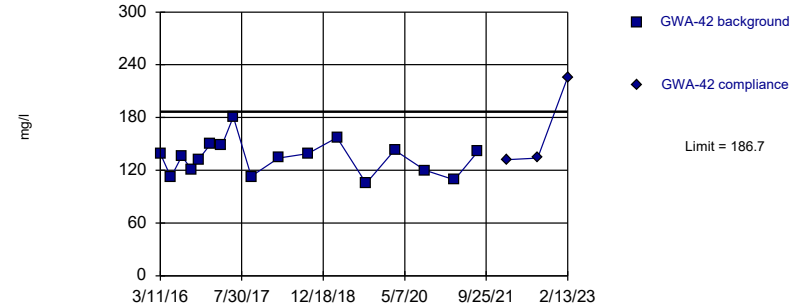


Background Data Summary: Mean=159.5, Std. Dev.=41.05, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9688, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

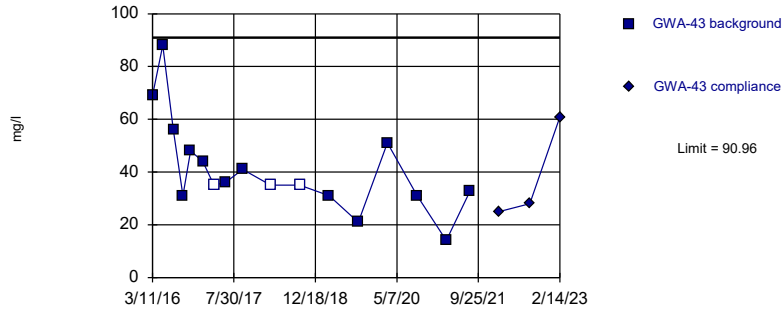


Background Data Summary: Mean=134.1, Std. Dev.=19.58, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

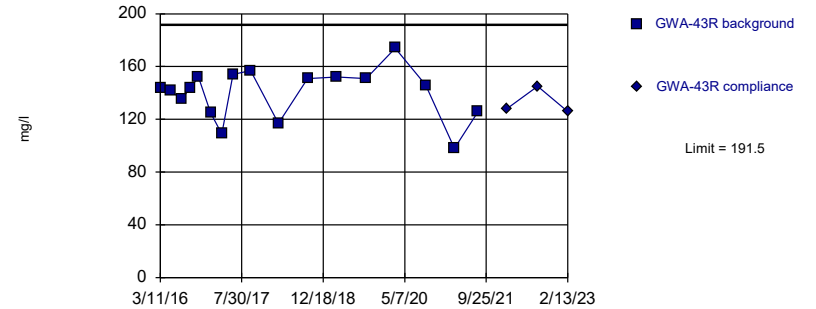


Background Data Summary (after Kaplan-Meier Adjustment): Mean=37.29, Std. Dev.=20, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8997, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

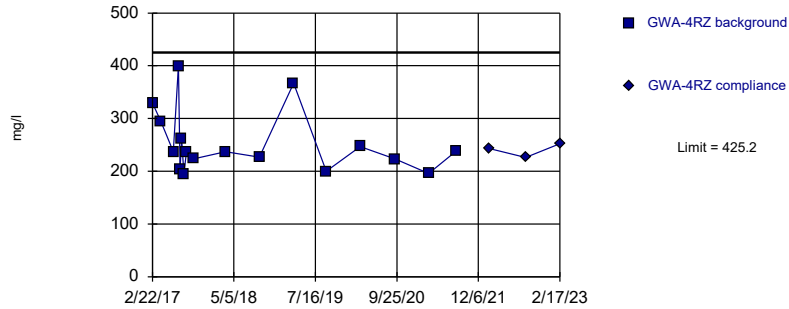


Background Data Summary: Mean=139.8, Std. Dev.=19.27, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9389, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

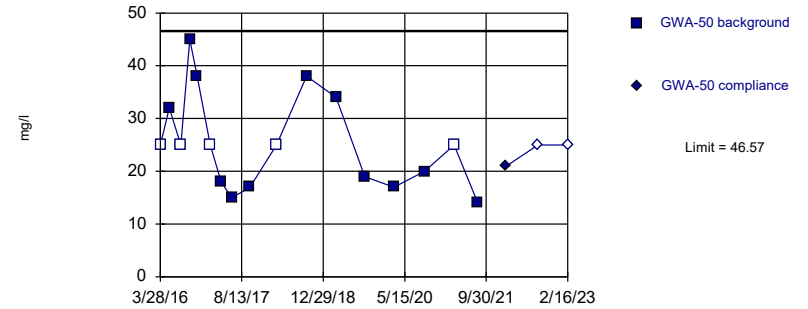


Background Data Summary (based on square root transformation): Mean=15.84, Std. Dev.=1.782, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8534, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



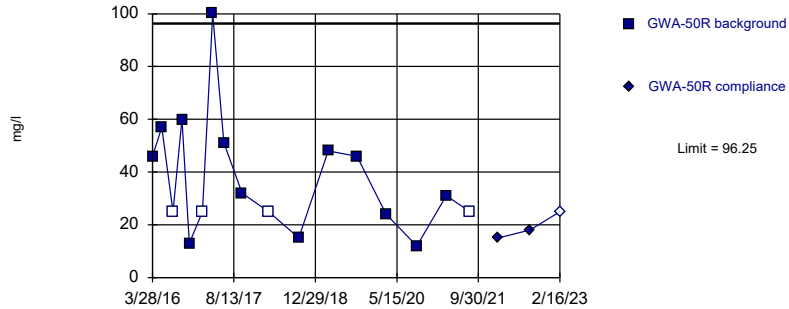
Background Data Summary (after Kaplan-Meier Adjustment): Mean=21.74, Std. Dev.=9.254, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

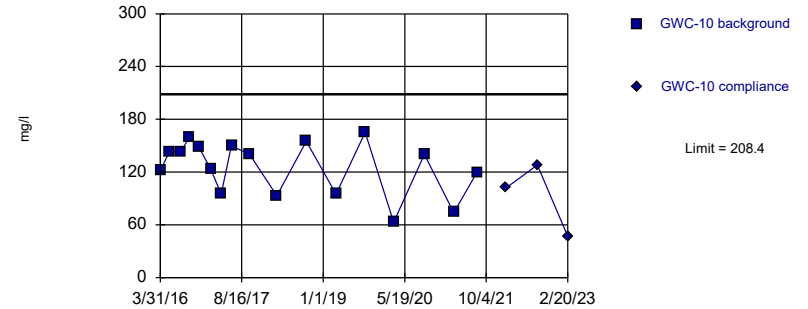


Background Data Summary (after Kaplan-Meier Adjustment): Mean=33.65, Std. Dev.=23.33, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8704, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



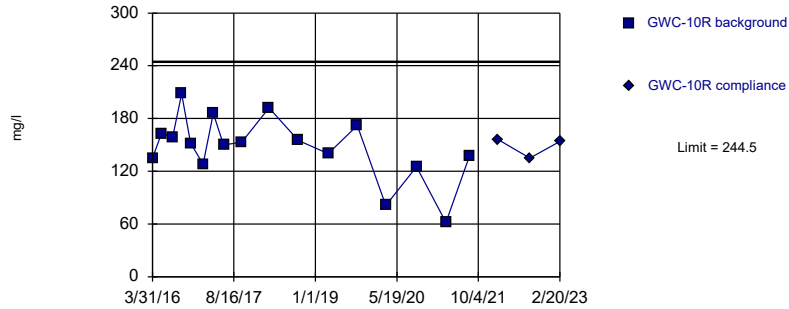
Background Data Summary: Mean=125.3, Std. Dev.=30.95, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



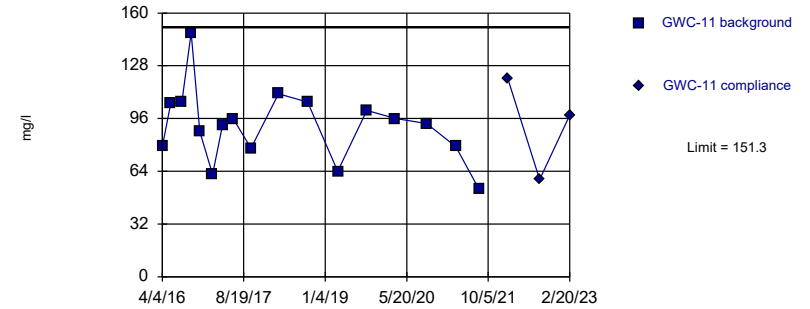
Background Data Summary: Mean=147, Std. Dev.=36.34, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9397, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



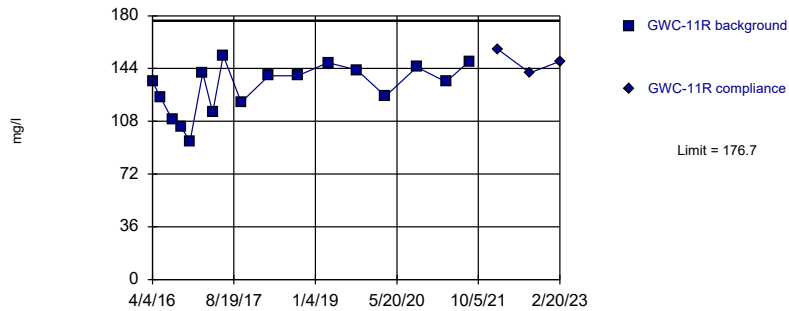
Background Data Summary: Mean=91.59, Std. Dev.=22.25, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9463, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



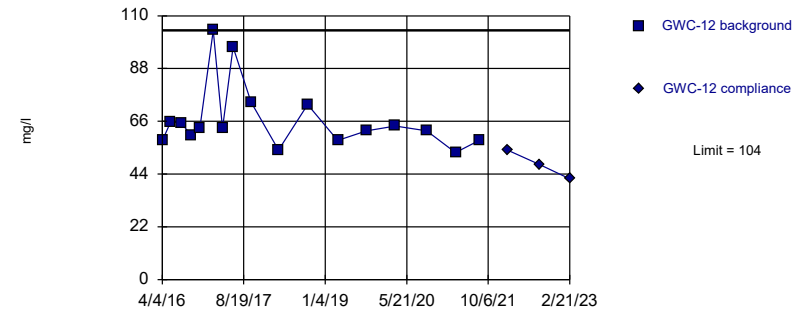
Background Data Summary: Mean=130.5, Std. Dev.=17.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

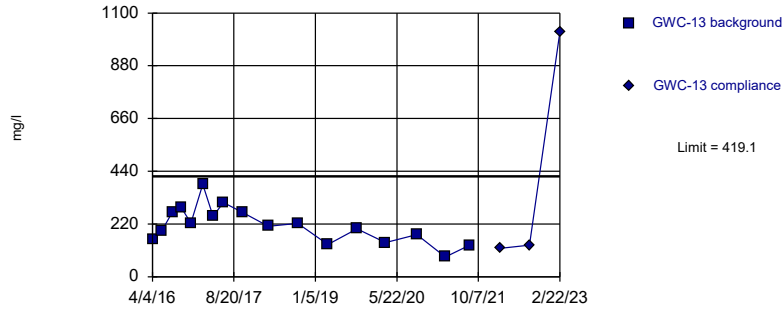


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

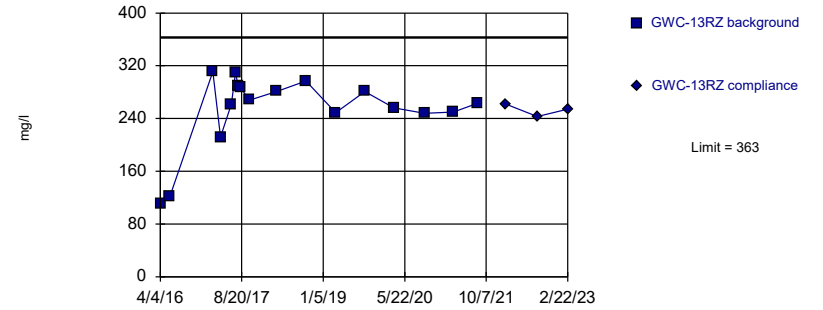


Background Data Summary: Mean=214.5, Std. Dev.=76.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.982, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

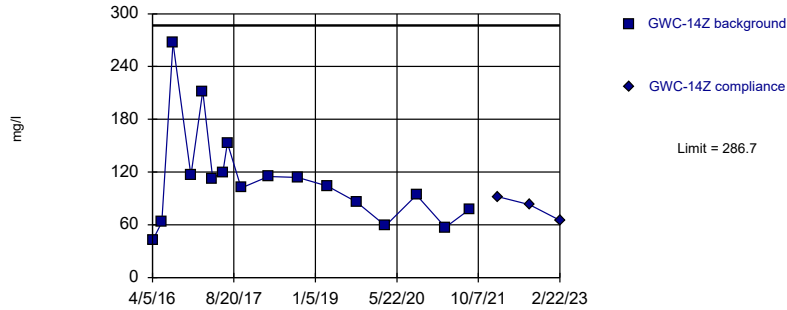


Background Data Summary (based on square transformation): Mean=66958, Std. Dev.=24165, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8702, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:57 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

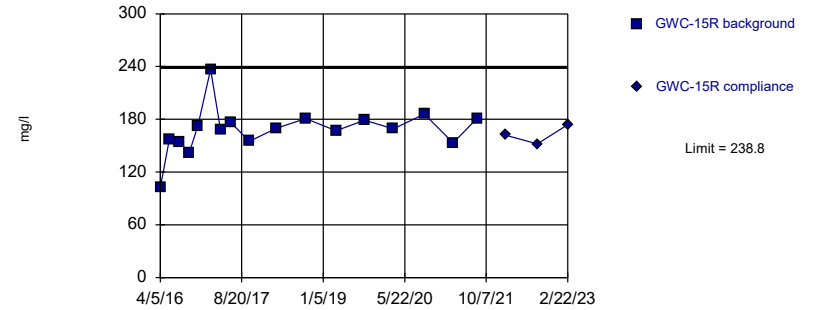


Background Data Summary (based on square root transformation): Mean=10.28, Std. Dev.=2.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

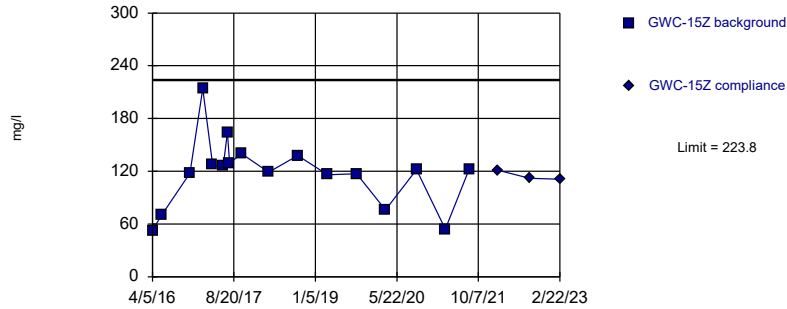


Background Data Summary: Mean=167.6, Std. Dev.=26.5, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8835, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

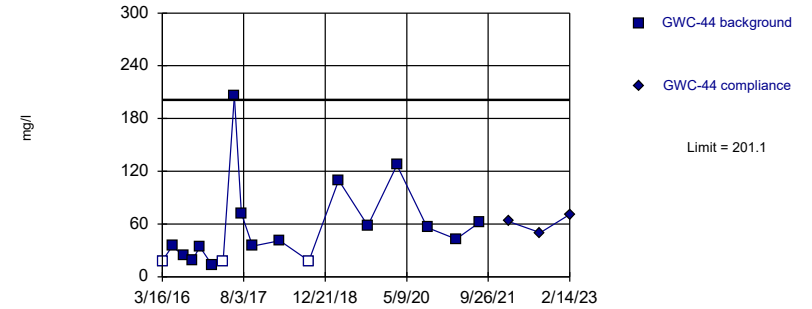


Background Data Summary: Mean=117.9, Std. Dev.=39.46, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9017, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

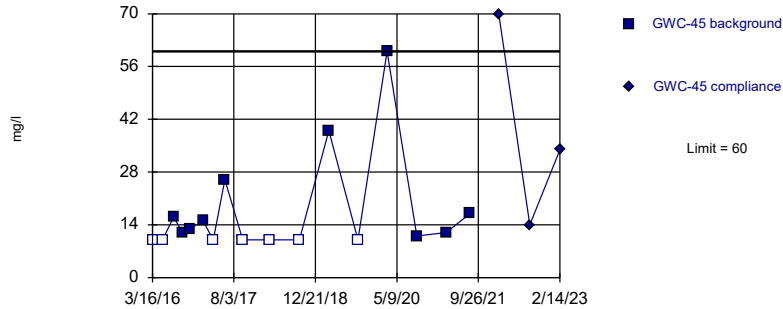


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=6.914, Std. Dev.=2.746, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8868, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

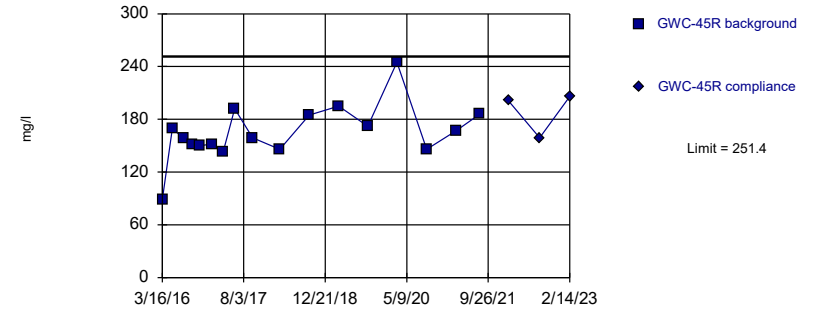


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

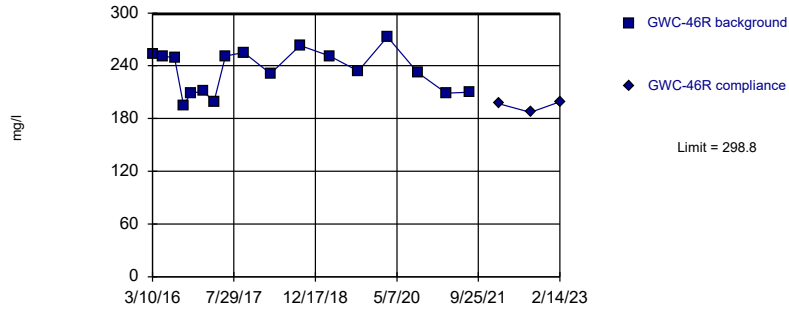


Background Data Summary: Mean=165.1, Std. Dev.=32.17, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

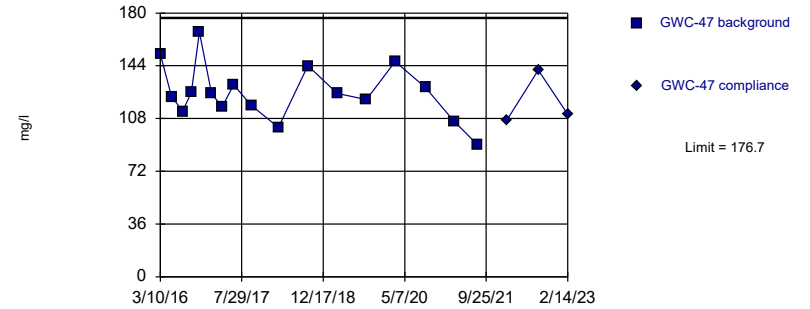
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=233.9, Std. Dev.=24.2, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9206, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Within Limit

Prediction Limit
Intrawell Parametric



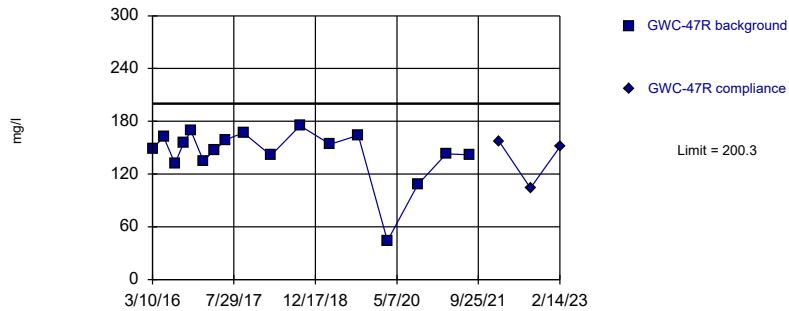
Background Data Summary: Mean=125.5, Std. Dev.=19.06, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

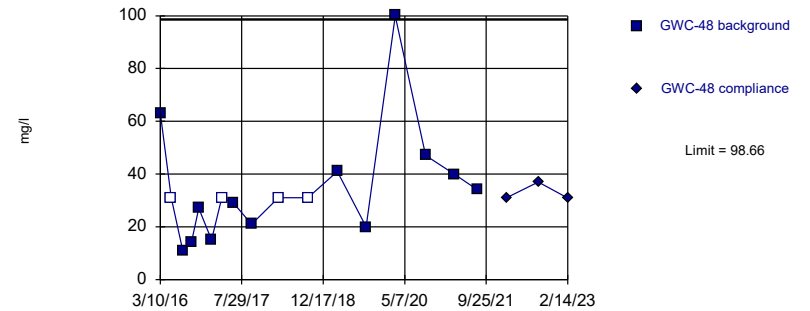


Background Data Summary (based on square transformation): Mean=21576, Std. Dev.=6910, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8875, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



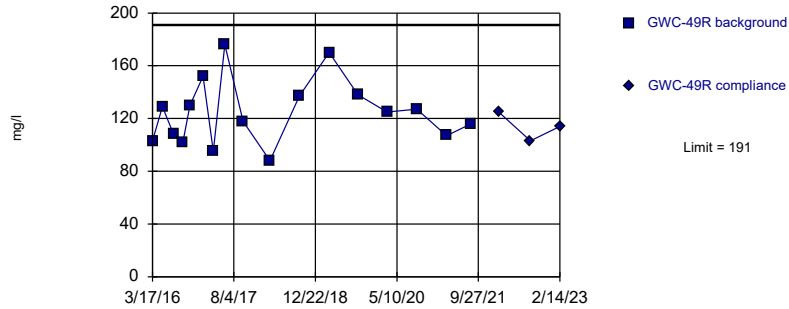
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.376, Std. Dev.=1.698, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9163, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

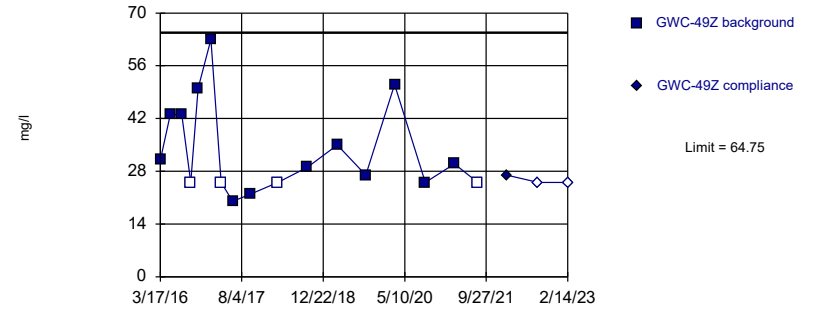


Background Data Summary: Mean=124.8, Std. Dev.=24.67, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9505, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

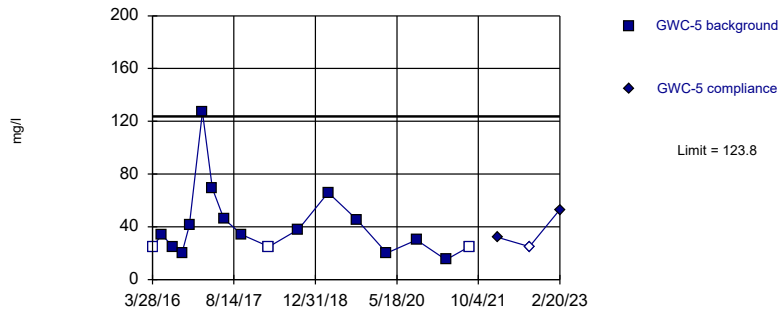


Background Data Summary (after Kaplan-Meier Adjustment): Mean=31.83, Std. Dev.=12.27, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8546, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

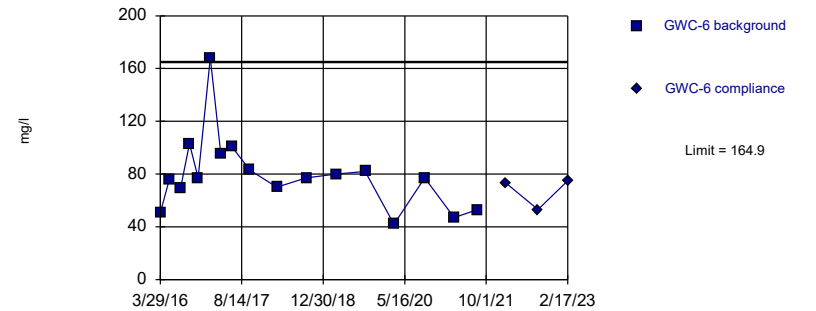


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.754, Std. Dev.=2.001, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8654, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

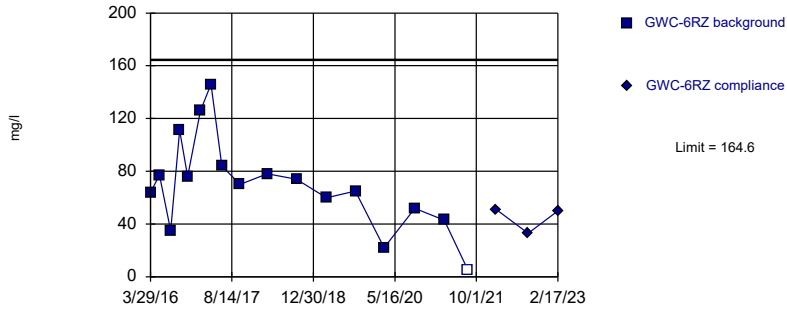


Background Data Summary (based on square root transformation): Mean=8.794, Std. Dev.=1.509, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9048, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

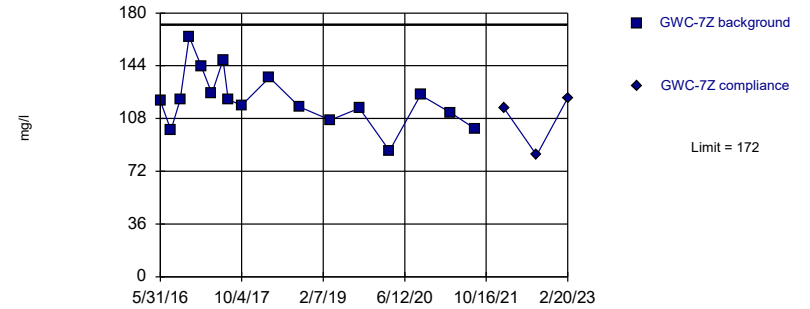


Background Data Summary: Mean=69.88, Std. Dev.=35.29, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.964, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

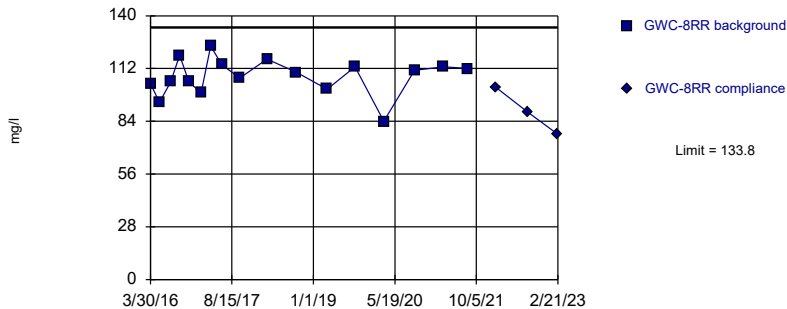


Background Data Summary: Mean=121, Std. Dev.=19, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.964, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

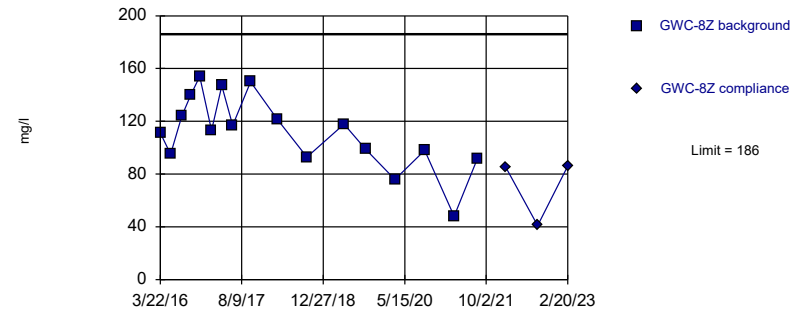


Background Data Summary: Mean=107.8, Std. Dev.=9.712, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.963, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



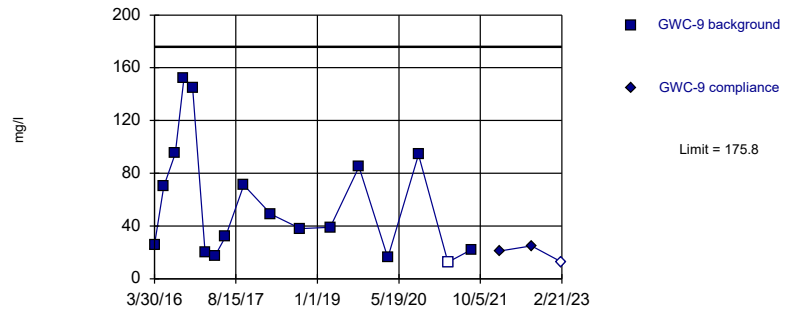
Background Data Summary: Mean=111.5, Std. Dev.=27.74, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.961, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=57.85, Std. Dev.=43.95, n=17, 5.882% NDs. Normality test: Shapiro Wilk
@alpha = 0.01, calculated = 0.8679, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132).
Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 3:58 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	<0.04	
5/19/2016	<0.04	
7/29/2016	<0.04	
9/23/2016	<0.04	
11/9/2016	<0.04	
1/30/2017	<0.04	
3/30/2017	0.0065 (J)	
6/9/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/17/2018	0.00625 (JD)	
3/20/2019	0.0042 (J)	
9/12/2019	<0.04	
3/11/2020	<0.04	
9/15/2020	0.01 (J)	
3/16/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	<0.04	
5/20/2016	<0.04	
7/29/2016	<0.04	
9/23/2016	<0.04	
11/9/2016	<0.04	
1/31/2017	<0.04	
3/30/2017	<0.04	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/19/2018	0.013 (J)	
9/14/2018	<0.04	
3/20/2019	<0.04	
9/12/2019	<0.04 (D)	
3/11/2020	0.0068 (J)	
9/15/2020	0.0053 (J)	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	<0.04	
5/19/2016	<0.04	
7/29/2016	<0.04	
9/22/2016	<0.04	
11/10/2016	<0.04	
1/31/2017	<0.04	
4/3/2017	<0.04	
6/9/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	0.0077 (J)	
9/14/2018	<0.04	
3/19/2019	0.014 (J)	
9/13/2019	0.012 (J)	
3/11/2020	0.017 (J)	
9/15/2020	0.0074 (J)	
3/16/2021	0.0061 (J)	
8/9/2021	0.012 (J)	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		0.017 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.04 (D)	
7/27/2016	<0.04 (*)	
2/21/2017	0.0218 (JD)	
3/27/2017	0.0262 (JD)	
6/8/2017	0.0067 (JD)	
7/17/2017	0.0165 (JD)	
7/27/2017	0.0138 (JD)	
8/9/2017	0.0069 (JD)	
9/29/2017	0.0066 (JD)	
3/16/2018	0.0067 (J)	
9/14/2018	0.0059 (J)	
3/14/2019	0.0059 (X)	
9/10/2019	0.0081 (X)	
3/9/2020	0.0065 (J)	
9/16/2020	0.015 (J)	
3/16/2021	<0.04	
8/6/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.04	
5/11/2016	<0.04	
7/19/2016	<0.04 (*)	
9/15/2016	0.0067 (J)	
11/2/2016	<0.04	
1/18/2017	<0.04	
3/28/2017	<0.04	
6/7/2017	<0.04 (*)	
9/26/2017	<0.04	
3/14/2018	<0.04	
9/12/2018	<0.04	
3/15/2019	0.005 (X)	
9/9/2019	<0.04	
3/9/2020	<0.04	
9/10/2020	<0.04	
3/12/2021	0.011 (J)	
8/4/2021	<0.04	
1/31/2022		<0.04
8/10/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<0.04	
5/23/2016	<0.04	
7/29/2016	<0.04	
9/22/2016	<0.04	
11/10/2016	<0.04	
1/31/2017	<0.04	
3/30/2017	<0.04	
6/12/2017	<0.04	
10/4/2017	<0.04	
3/19/2018	0.0057 (J)	
9/17/2018	<0.04	
3/20/2019	<0.04	
9/13/2019	<0.04	
3/11/2020	0.0071 (J)	
3/29/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.04	
5/11/2016	<0.04	
7/21/2016	<0.04	
9/15/2016	<0.04	
11/3/2016	<0.04 (*)	
1/17/2017	<0.04	
3/24/2017	<0.04	
5/24/2017	<0.04	
9/26/2017	0.0075 (J)	
3/14/2018	0.0093 (J)	
9/12/2018	<0.04	
3/13/2019	<0.04	
9/9/2019	<0.04	
3/9/2020	0.0074 (J)	
9/11/2020	<0.04	
3/10/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/12/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.04	
5/12/2016	<0.04	
7/20/2016	<0.04	
9/15/2016	<0.04	
11/3/2016	<0.04	
1/18/2017	<0.04	
3/24/2017	0.0154 (J)	
6/6/2017	<0.04	
9/25/2017	<0.04	
3/14/2018	0.011 (J)	
9/12/2018	<0.04	
3/14/2019	0.007 (X)	
9/10/2019	<0.04	
3/6/2020	0.013 (J)	
9/10/2020	<0.04	
3/11/2021	0.0075 (J)	
8/4/2021	<0.04	
1/31/2022		<0.04
8/11/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.04	
5/13/2016	<0.04	
7/21/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/3/2016	<0.04	
1/17/2017	<0.04	
3/27/2017	0.0173 (J)	
6/6/2017	<0.04 (*)	
9/25/2017	0.0141 (J)	
3/14/2018	0.014 (J)	
9/12/2018	0.013 (J)	
3/14/2019	0.015 (X)	
9/10/2019	0.015 (X)	
3/9/2020	0.021 (J)	
9/10/2020	0.016 (J)	
3/10/2021	0.0098 (J)	
8/4/2021	0.01 (J)	
1/31/2022		0.016 (J)
8/11/2022		<0.04
2/13/2023		0.017 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.04	
5/16/2016	<0.04	
7/22/2016	0.0076 (J)	
9/19/2016	<0.04	
11/3/2016	<0.04	
1/17/2017	<0.04	
3/27/2017	0.0101 (J)	
6/7/2017	<0.04 (*)	
9/26/2017	<0.04	
3/14/2018	<0.04	
9/14/2018	<0.04	
3/14/2019	<0.04	
9/10/2019	<0.04	
3/6/2020	0.0068 (J)	
9/10/2020	<0.04	
3/11/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/10/2022		<0.04
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.04	
5/13/2016	<0.04	
7/19/2016	<0.04 (*)	
9/16/2016	<0.04	
11/2/2016	<0.04	
1/18/2017	<0.04	
3/28/2017	<0.04	
6/6/2017	<0.04 (*)	
9/22/2017	<0.04	
3/14/2018	<0.04	
9/12/2018	<0.04	
3/13/2019	<0.04	
9/11/2019	0.0059 (X)	
3/9/2020	<0.04	
9/11/2020	<0.04	
3/11/2021	<0.04	
8/6/2021	<0.04	
1/31/2022		<0.04
8/11/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.04	
5/13/2016	<0.04	
7/19/2016	<0.04 (*)	
9/16/2016	0.0246 (J)	
11/2/2016	0.0279 (J)	
1/18/2017	0.0336 (J)	
3/28/2017	0.0313 (J)	
6/6/2017	<0.04 (*)	
9/22/2017	0.0294 (J)	
3/15/2018	0.018 (J)	
9/12/2018	0.018 (J)	
3/13/2019	0.012 (X)	
9/11/2019	0.021 (X)	
3/9/2020	0.017 (J)	
9/14/2020	0.018 (J)	
3/11/2021	0.017 (J)	
8/5/2021	0.0098 (J)	
1/31/2022		0.011 (J)
8/10/2022		0.01 (J)
2/13/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.022 (JD)	
4/7/2017	0.0082 (JD)	
6/14/2017	0.008 (JD)	
7/12/2017	0.0082 (JD)	
7/20/2017	0.0091 (JD)	
7/28/2017	<0.04 (D)	
8/9/2017	0.0071 (JD)	
8/24/2017	0.0062 (JD)	
10/3/2017	0.006 (JD)	
3/21/2018	0.0062 (J)	
9/18/2018	0.0096 (J)	
3/21/2019	0.0066 (JD)	
9/12/2019	0.012 (JD)	
3/12/2020	0.014 (J)	
9/17/2020	0.015 (J)	
3/16/2021	0.0092 (J)	
8/10/2021	0.01 (J)	
2/3/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	<0.04	
5/23/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/10/2016	<0.04	
1/30/2017	<0.04	
4/7/2017	0.008 (J)	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/17/2018	<0.04	
3/19/2019	<0.04	
9/13/2019	<0.04	
3/11/2020	0.0063 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	<0.04	
5/25/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/11/2016	0.0193 (J)	
1/30/2017	<0.04	
4/3/2017	<0.04	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/18/2018	<0.04	
3/19/2019	<0.04	
9/12/2019	<0.04	
3/11/2020	0.007 (J)	
9/15/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/16/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	<0.04	
5/26/2016	<0.04	
8/5/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	<0.04	
2/7/2017	<0.04	
4/10/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/20/2018	0.004 (J)	
9/18/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	<0.04	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/4/2022		<0.04
8/17/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	<0.04	
5/26/2016	<0.04	
8/3/2016	<0.04	
9/28/2016	0.0169 (J)	
11/22/2016	0.0067 (J)	
2/7/2017	<0.04	
4/10/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	0.005 (J)	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	<0.04	
5/26/2016	<0.04	
8/3/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	<0.04	
2/8/2017	0.0085 (J)	
4/10/2017	<0.04	
6/15/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	<0.04	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	<0.04	
5/26/2016	<0.04	
8/4/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	0.0072 (J)	
2/8/2017	0.0069 (J)	
4/10/2017	<0.04	
6/15/2017	<0.04	
10/4/2017	0.0065 (J)	
3/22/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	0.0058 (J)	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	<0.04	
5/27/2016	<0.04	
8/3/2016	<0.04	
9/30/2016	<0.04	
11/22/2016	<0.04	
2/13/2017	<0.04	
4/11/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/22/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04 (D)	
3/12/2020	<0.04	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/2/2022		<0.04
8/18/2022		<0.04
2/21/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	<0.04	
5/31/2016	<0.04	
8/4/2016	<0.04	
9/29/2016	0.0192 (J)	
11/28/2016	0.0124 (J)	
2/9/2017	0.0157 (J)	
4/12/2017	0.0183 (J)	
6/16/2017	0.0269 (J)	
10/9/2017	0.0383 (J)	
3/21/2018	0.021 (J)	
9/19/2018	0.026 (J)	
3/23/2019	0.012 (J)	
9/18/2019	0.017 (J)	
3/13/2020	0.014 (J)	
9/22/2020	0.0087 (J)	
3/18/2021	0.0091 (J)	
8/11/2021	<0.04	
2/17/2022		0.015 (J)
8/18/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	<0.04	
6/1/2016	<0.04	
2/22/2017	0.02 (J)	
4/11/2017	<0.04	
6/16/2017	0.0163 (J)	
7/12/2017	0.0117 (J)	
7/28/2017	0.0071 (J)	
8/10/2017	0.0093 (J)	
10/6/2017	0.0148 (J)	
3/23/2018	0.017 (J)	
9/20/2018	0.016 (J)	
3/22/2019	0.013 (J)	
9/18/2019	0.014 (X)	
3/17/2020	0.017 (J)	
9/22/2020	0.01 (J)	
3/19/2021	0.014 (J)	
8/12/2021	0.014 (J)	
2/4/2022		0.017 (J)
8/19/2022		0.015 (J)
2/22/2023		0.013 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	<0.04	
6/1/2016	<0.04	
8/9/2016	0.0996 (O)	
11/28/2016	0.0072 (J)	
2/9/2017	<0.04	
4/11/2017	<0.04	
6/14/2017	<0.04	
7/12/2017	<0.04	
10/5/2017	0.0068 (J)	
3/22/2018	<0.04	
9/19/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0081 (J)	
9/21/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	<0.04	
5/31/2016	<0.04	
8/4/2016	<0.04	
9/29/2016	0.0106 (J)	
11/23/2016	0.0099 (J)	
2/10/2017	<0.04	
4/12/2017	0.009 (J)	
6/15/2017	<0.04	
10/6/2017	<0.04	
3/23/2018	0.0053 (J)	
9/19/2018	0.0049 (J)	
3/25/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0064 (J)	
9/21/2020	0.0075 (J)	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/19/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	<0.04	
5/31/2016	<0.04	
11/23/2016	0.0076 (J)	
2/10/2017	<0.04	
4/11/2017	<0.04	
6/15/2017	<0.04	
7/12/2017	<0.04	
7/26/2017	<0.04	
10/6/2017	0.0071 (J)	
3/23/2018	0.0092 (J)	
9/19/2018	0.0046 (J)	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0054 (J)	
9/21/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/7/2022		<0.04
8/19/2022		<0.04
2/22/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.04	
5/16/2016	<0.04	
7/25/2016	<0.04	
9/19/2016	<0.04	
11/3/2016	<0.04	
1/19/2017	<0.04	
3/28/2017	0.0113 (J)	
6/5/2017	<0.04 (*)	
9/26/2017	0.0084 (J)	
3/15/2018	0.014 (J)	
9/12/2018	0.0051 (J)	
3/14/2019	0.018 (X)	
9/11/2019	0.0088 (X)	
3/10/2020	0.019 (J)	
9/15/2020	0.0089 (J)	
3/11/2021	0.016 (J)	
8/4/2021	0.016 (J)	
1/31/2022		0.015 (J)
8/15/2022		0.011 (J)
2/14/2023		0.014 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.04	
5/16/2016	<0.04 (D)	
7/25/2016	<0.04 (D)	
9/19/2016	<0.04 (D)	
11/4/2016	<0.04 (D)	
1/23/2017	0.0086 (JD)	
3/29/2017	<0.04 (D)	
6/7/2017	<0.04 (*)	
9/27/2017	<0.04	
3/15/2018	0.0077 (J)	
9/13/2018	<0.04	
3/14/2019	<0.04 (D)	
9/11/2019	<0.04 (D)	
3/10/2020	<0.04	
9/11/2020	<0.04	
3/11/2021	<0.04	
8/6/2021	<0.04	
2/1/2022		0.019 (J)
8/12/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.04	
5/16/2016	<0.04 (D)	
7/25/2016	0.0054 (JD)	
9/19/2016	<0.04 (D)	
11/3/2016	<0.04 (D)	
1/20/2017	<0.04 (D)	
3/29/2017	<0.04 (D)	
6/7/2017	<0.04 (*)	
9/27/2017	<0.04	
3/15/2018	0.0063 (J)	
9/13/2018	<0.04	
3/14/2019	0.006 (JXD)	
9/11/2019	<0.04 (D)	
3/10/2020	0.009 (J)	
9/11/2020	0.0056 (J)	
3/11/2021	0.006 (J)	
8/6/2021	<0.04	
2/1/2022		0.022 (J)
8/12/2022		<0.04
2/14/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.04	
5/17/2016	<0.04	
7/26/2016	0.0047 (J)	
9/20/2016	0.0254 (J)	
11/4/2016	<0.04	
1/20/2017	<0.04	
3/28/2017	<0.04	
6/7/2017	<0.04 (*)	
9/29/2017	<0.04	
3/15/2018	0.0042 (J)	
9/13/2018	<0.04	
3/18/2019	0.022 (X)	
9/11/2019	<0.04	
3/10/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
1/31/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04 (*)	
9/20/2016	0.0133 (J)	
11/7/2016	0.0079 (J)	
1/23/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/27/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/15/2019	<0.04	
9/12/2019	<0.04	
3/9/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
2/1/2022		0.011 (J)
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04	
9/20/2016	0.0109 (J)	
11/4/2016	<0.04	
1/20/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/27/2017	<0.04	
3/16/2018	<0.04	
9/13/2018	<0.04	
3/19/2019	<0.04	
9/11/2019	0.0054 (X)	
3/9/2020	0.0051 (J)	
9/15/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
2/1/2022		0.01 (J)
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.04	
5/17/2016	<0.04	
7/27/2016	<0.04 (*)	
9/20/2016	0.0078 (J)	
11/4/2016	<0.04	
1/23/2017	<0.04	
3/28/2017	<0.04	
6/8/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/15/2019	<0.04	
9/11/2019	<0.04	
3/9/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/4/2016	<0.04	
1/24/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/18/2019	0.0099 (X)	
9/11/2019	<0.04	
3/11/2020	<0.04	
9/11/2020	0.0057 (J)	
3/15/2021	0.01 (J)	
8/11/2021	<0.04	
2/1/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.04	
5/18/2016	<0.04	
7/28/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/7/2016	0.0138 (J)	
1/24/2017	<0.04	
3/30/2017	0.0077 (J)	
6/9/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	0.0052 (J)	
9/14/2018	<0.04	
3/19/2019	0.0043 (X)	
9/11/2019	<0.04	
3/9/2020	0.0055 (J)	
9/14/2020	<0.04	
3/15/2021	0.0066 (J)	
8/5/2021	<0.04	
2/1/2022		0.0087 (J)
8/15/2022		<0.04
2/14/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	<0.04	
5/25/2016	<0.04	
8/1/2016	<0.04	
9/27/2016	<0.04	
11/11/2016	0.0083 (J)	
1/31/2017	<0.04	
4/3/2017	<0.04	
6/12/2017	<0.04	
10/3/2017	<0.04	
3/19/2018	0.0041 (J)	
9/17/2018	<0.04	
3/20/2019	<0.04	
9/16/2019	0.0051 (J)	
3/16/2020	<0.04	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	<0.04	
5/24/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/18/2016	<0.04	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/19/2018	<0.04	
9/17/2018	<0.04	
3/21/2019	<0.04	
9/16/2019	<0.04	
3/12/2020	0.0061 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	<0.04	
5/24/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/14/2016	<0.04	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	0.0073 (J)	
9/17/2018	0.0046 (J)	
3/21/2019	<0.04	
9/16/2019	<0.04	
3/12/2020	0.0052 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.04	
8/2/2016	<0.04	
9/27/2016	0.0073 (J)	
11/21/2016	0.008 (J)	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
7/14/2017	0.007 (J)	
10/3/2017	<0.04	
3/20/2018	0.0064 (J)	
9/18/2018	0.0045 (J)	
3/21/2019	<0.04	
9/13/2019	0.0065 (J)	
3/12/2020	0.0057 (J)	
9/16/2020	0.0052 (J)	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		0.011 (J)
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	<0.04	
5/24/2016	<0.04	
8/2/2016	<0.04	
9/27/2016	<0.04	
11/22/2016	0.0115 (J)	
2/6/2017	<0.04	
4/6/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/27/2019	0.0078 (J)	
9/16/2019	<0.04 (D)	
3/12/2020	<0.04	
9/17/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/21/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	<0.04	
5/25/2016	<0.04	
8/2/2016	<0.04	
9/26/2016	<0.04	
11/21/2016	<0.04	
2/3/2017	<0.04	
4/7/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	<0.04	
9/18/2018	<0.04	
5/6/2019	0.0065 (J)	
9/16/2019	<0.04	
3/16/2020	<0.04	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		0.012 (J)
2/20/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	<0.04	
5/26/2016	<0.04	
8/5/2016	<0.04	
9/28/2016	<0.04	
11/21/2016	<0.04	
2/6/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	0.0096 (J)	
9/18/2018	<0.04 (D)	
3/21/2019	0.006 (J)	
9/16/2019	<0.04	
3/12/2020	0.0058 (J)	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/21/2023		<0.04

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	32.6	
5/19/2016	33.4	
7/29/2016	26	
9/23/2016	28.8	
11/9/2016	27.9	
1/30/2017	29.2	
3/30/2017	30	
6/9/2017	30.9	
10/2/2017	31.5	
3/16/2018	28.5	
9/17/2018	30.8	
3/20/2019	30.1	
9/12/2019	31.9	
3/11/2020	31.8	
9/15/2020	30.8	
3/16/2021	34.6	
8/9/2021	32	
2/1/2022		34.1
8/16/2022		34
2/16/2023		33.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	54.1	
5/20/2016	23.9	
7/29/2016	25.3	
9/23/2016	26.6	
11/9/2016	16.1	
1/31/2017	5.68	
3/30/2017	25.2	
6/12/2017	34.2	
10/2/2017	1.69	
3/19/2018	63	
9/14/2018	2.4	
3/20/2019	4.3	
9/12/2019	1.8	
3/11/2020	66.6	
9/15/2020	18.4	
3/17/2021	40.4	
8/9/2021	41	
2/1/2022		48
8/16/2022		39.5
2/16/2023		60.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	46.5	
5/19/2016	24.6	
7/29/2016	14.9	
9/22/2016	15	
11/10/2016	12.6	
1/31/2017	16.5	
4/3/2017	16.6	
6/9/2017	17.8	
10/2/2017	20.6	
3/16/2018	33	
9/14/2018	22.8 (J)	
3/19/2019	59.2	
9/13/2019	27	
3/11/2020	46.8	
9/15/2020	21.4	
3/16/2021	26.7	
8/9/2021	31.5	
2/1/2022		34.1
8/16/2022		37.9
2/16/2023		51.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	27.8 (D)	
7/27/2016	21.2 (D)	
2/21/2017	31.7 (D)	
3/27/2017	31.9 (D)	
6/8/2017	35 (D)	
7/17/2017	35.9 (D)	
7/27/2017	34.9 (D)	
8/9/2017	33.7 (D)	
9/29/2017	33.4 (D)	
3/16/2018	32.6	
9/14/2018	29.2	
3/14/2019	33	
9/10/2019	33.8	
3/9/2020	35.6	
9/16/2020	34.9	
3/16/2021	32.4	
8/6/2021	33	
2/2/2022		32.6
8/16/2022		32
2/14/2023		31.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	20	
5/11/2016	9.76	
7/19/2016	3.04	
9/15/2016	4.78	
11/2/2016	2.46	
1/18/2017	5.46	
3/28/2017	13	
6/7/2017	17	
9/26/2017	24.9	
12/28/2017	17.9 (Y)	
3/14/2018	26.4	
9/12/2018	25.1	
3/15/2019	20.3 (X)	
9/9/2019	11.3	
3/9/2020	3.2	
9/10/2020	1	
3/12/2021	11	
8/4/2021	10.6	
1/31/2022		12.7
8/10/2022		8.7
2/13/2023		12.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	2.05	
5/23/2016	1.29	
7/29/2016	1.29	
9/22/2016	1.51	
11/10/2016	1.54	
1/31/2017	1.34	
3/30/2017	1.31	
6/12/2017	1.4	
10/4/2017	1.13	
3/19/2018	1.2	
9/17/2018	0.95	
3/20/2019	0.96	
9/13/2019	0.94	
3/11/2020	1	
3/29/2021	19	
8/9/2021	19.4	
2/2/2022		22.6
8/16/2022		22.2
2/17/2023		22.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	24	
5/11/2016	22.1	
7/21/2016	19.3	
9/15/2016	18.2	
11/3/2016	18.2	
1/17/2017	22	
3/24/2017	21.1	
5/24/2017	23.5	
9/26/2017	24.1	
3/14/2018	25.7	
9/12/2018	18.4 (J)	
3/13/2019	23.8 (X)	
9/9/2019	15.4	
3/9/2020	29.4	
9/11/2020	17.7	
3/10/2021	22.8	
8/4/2021	17.1	
1/31/2022		18.5
8/12/2022		18.5
2/13/2023		18.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	24	
5/12/2016	15.5	
7/20/2016	16.5	
9/15/2016	6.1	
11/3/2016	13.7	
1/18/2017	13.1	
3/24/2017	17.3	
6/6/2017	29.1	
9/25/2017	17.6	
3/14/2018	39.6	
9/12/2018	14.2 (J)	
3/14/2019	22.7 (X)	
9/10/2019	6	
3/6/2020	29.2	
9/10/2020	13.5	
3/11/2021	25.9	
8/4/2021	15.7	
1/31/2022		14.5
8/11/2022		16.2
2/13/2023		26.9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	38	
5/13/2016	36	
7/21/2016	33.5	
9/21/2016	31.9	
11/3/2016	28.9	
1/17/2017	31.4	
3/27/2017	31.7	
6/6/2017	42.9	
9/25/2017	29.3	
3/14/2018	41.4	
9/12/2018	29	
3/14/2019	31.9	
9/10/2019	29.6	
3/9/2020	25.5	
9/10/2020	22.9	
3/10/2021	40.3	
8/4/2021	38.5	
1/31/2022		39.3
8/11/2022		39.7
2/13/2023		38.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	31	
5/16/2016	32	
7/22/2016	28.5	
9/19/2016	28.6	
11/3/2016	26.6	
1/17/2017	28.7	
3/27/2017	30.4	
6/7/2017	31.3	
9/26/2017	29.5	
3/14/2018	32.6	
9/14/2018	30.5	
3/14/2019	32	
9/10/2019	34	
3/6/2020	38	
9/10/2020	31.1	
3/11/2021	34.8	
8/4/2021	34	
1/31/2022		37.3
8/10/2022		40.5
2/13/2023		35.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	13	
5/13/2016	18.7	
7/19/2016	12	
9/16/2016	8.48	
11/2/2016	11.4	
1/18/2017	6.81	
3/28/2017	5.61	
6/6/2017	4.99	
9/22/2017	4.24	
3/14/2018	3.6	
9/12/2018	3.7	
3/13/2019	2.9	
9/11/2019	3.2	
3/9/2020	2.6	
9/11/2020	9	
3/11/2021	2.1	
8/6/2021	4	
1/31/2022		2.2
8/11/2022		4.8
2/14/2023		2.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	30	
5/13/2016	27.8	
7/19/2016	25.3	
9/16/2016	27.5	
11/2/2016	26.2	
1/18/2017	26.6	
3/28/2017	29	
6/6/2017	29.3	
9/22/2017	32.2	
12/28/2017	29 (Y)	
3/15/2018	28	
9/12/2018	28.7	
3/13/2019	29.2	
9/11/2019	29.5	
3/9/2020	31.7	
9/14/2020	31	
3/11/2021	31.2	
8/5/2021	29	
1/31/2022		30.6
8/10/2022		33.1
2/13/2023		28.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	54.7 (D)	
4/7/2017	46.8 (D)	
6/14/2017	52.4 (D)	
7/12/2017	51.1 (D)	
7/20/2017	47.5 (D)	
7/28/2017	44 (D)	
8/9/2017	48.3 (D)	
8/24/2017	41.9 (D)	
10/3/2017	47.7 (D)	
3/21/2018	47.5	
9/18/2018	48.1	
3/21/2019	49.9 (D)	
9/12/2019	49.9 (D)	
3/12/2020	54.2	
9/17/2020	48.4	
3/16/2021	53.7	
8/10/2021	56.5	
2/3/2022		57.7
8/17/2022		54.7
2/17/2023		59.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	3.89	
5/23/2016	2.16	
8/1/2016	1.37	
9/26/2016	1.86	
11/10/2016	1.86	
1/30/2017	2.86	
4/7/2017	2.34	
6/12/2017	1.87	
10/2/2017	2.53	
3/16/2018	1.8	
9/17/2018	2.3	
3/19/2019	4.2	
9/13/2019	1.9	
3/11/2020	1.6	
9/16/2020	1.7	
3/17/2021	1.4	
8/9/2021	1.5	
2/1/2022		1.5
8/16/2022		1.6
2/16/2023		1.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	7.04	
5/25/2016	13.5	
8/1/2016	2.2	
9/26/2016	5.72	
11/11/2016	2.5	
1/30/2017	2.01	
4/3/2017	6.26	
6/12/2017	7.44	
10/2/2017	6.55	
3/16/2018	2.6	
9/18/2018	1.3	
3/19/2019	4.6	
9/12/2019	3.7	
3/11/2020	1.2	
9/15/2020	0.94 (J)	
3/17/2021	5.4	
8/9/2021	1.7	
2/2/2022		0.93 (J)
8/17/2022		3.8
2/16/2023		0.81 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	36.4	
5/26/2016	37.6	
8/5/2016	30.7	
9/28/2016	32.4	
11/22/2016	31.4	
2/7/2017	30.1	
4/10/2017	23.6	
6/14/2017	34.6	
10/4/2017	35.2	
3/20/2018	12 (J)	
9/18/2018	36.7	
3/22/2019	15.4 (J)	
9/17/2019	36.7	
3/12/2020	18.6	
9/17/2020	32.6	
3/18/2021	27	
8/10/2021	29.4	
2/4/2022		21.3
8/17/2022		36.7
2/20/2023		9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	45	
5/26/2016	41.7	
8/3/2016	35.2	
9/28/2016	39.2	
11/22/2016	37.2	
2/7/2017	38.4	
4/10/2017	38.7	
6/14/2017	40.8	
10/4/2017	40.1	
3/21/2018	43.3	
9/18/2018	45.4	
3/22/2019	37.2	
9/17/2019	40.5	
3/12/2020	43.2	
9/17/2020	39	
3/18/2021	43.8	
8/11/2021	44.3	
2/4/2022		46.3
8/18/2022		48.5
2/20/2023		46.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	21.3	
5/26/2016	22.5	
8/3/2016	17.5	
9/28/2016	24.1	
11/22/2016	15.7	
2/8/2017	18.3	
4/10/2017	18.5	
6/15/2017	21	
10/4/2017	9.4	
3/21/2018	19.7 (J)	
9/18/2018	17.6 (J)	
3/23/2019	7.8	
9/17/2019	16.8	
3/12/2020	8	
9/21/2020	17.7	
3/19/2021	19.7	
8/11/2021	9.1	
2/4/2022		19.2
8/18/2022		10.2
2/20/2023		7.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	27.9	
5/26/2016	28.7	
8/4/2016	18.6	
9/28/2016	17.7	
11/22/2016	20.2	
2/8/2017	24.3	
4/10/2017	29	
6/15/2017	29	
10/4/2017	23.9	
3/22/2018	27.5	
9/18/2018	26.3	
3/23/2019	28.3	
9/17/2019	27.6	
3/12/2020	32.5	
9/21/2020	26	
3/19/2021	31.3	
8/11/2021	33.2	
2/4/2022		34.8
8/18/2022		36.9
2/20/2023		32.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	8.63	
5/27/2016	9.07	
8/3/2016	6.82	
9/30/2016	8.8	
11/22/2016	8.08	
2/13/2017	8.51	
4/11/2017	7.5	
6/14/2017	7.82	
10/4/2017	8.32	
3/22/2018	7.5	
9/18/2018	8.2	
3/23/2019	7.5	
9/17/2019	7.8	
3/12/2020	8.1	
9/21/2020	8	
3/19/2021	7.8	
8/11/2021	8.4	
2/2/2022		8.4
8/18/2022		9.2
2/21/2023		7.9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	36.9	
5/31/2016	43.9	
8/4/2016	45	
9/29/2016	60.5	
11/28/2016	54.7	
2/9/2017	61	
4/12/2017	52.3	
6/16/2017	62.3	
10/9/2017	58.6	
3/21/2018	40.9	
9/19/2018	45.9	
3/23/2019	29.6	
9/18/2019	40.7	
3/13/2020	33	
9/22/2020	43.1	
3/18/2021	30.8	
8/11/2021	28.4	
2/17/2022		29.3
8/18/2022		33
2/22/2023		26.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	26.5	
6/1/2016	26.6	
2/22/2017	51.6	
4/11/2017	45.2	
6/16/2017	47.5	
7/12/2017	51.6	
7/28/2017	46	
8/10/2017	52.2	
10/6/2017	42.2	
3/23/2018	41.4	
9/20/2018	47.5	
3/22/2019	40.5	
9/18/2019	42.9	
3/17/2020	44.9	
9/22/2020	47.7	
3/19/2021	43	
8/12/2021	43.1	
2/4/2022		43.9
8/19/2022		47.3
2/22/2023		40.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	35.7	
6/1/2016	28.2	
8/9/2016	43	
11/28/2016	24.8	
2/9/2017	21.2	
4/11/2017	21.1	
6/14/2017	20.6	
7/12/2017	17.7	
10/5/2017	20.1	
3/22/2018	18.6 (J)	
9/19/2018	20 (J)	
3/22/2019	16.7 (J)	
9/17/2019	11.4	
3/13/2020	17	
9/21/2020	13.1	
3/18/2021	13	
8/11/2021	14.3	
2/4/2022		14.3
8/18/2022		14.7
2/22/2023		14.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	37.7	
5/31/2016	38.4	
8/4/2016	28.6	
9/29/2016	31.4	
11/23/2016	62.5 (o)	
2/10/2017	31.2	
4/12/2017	34.1	
6/15/2017	34.2	
10/6/2017	35.4	
3/23/2018	35.6	
9/19/2018	35.7	
3/25/2019	35.6	
9/17/2019	39.5	
3/13/2020	41	
9/21/2020	36.5	
3/18/2021	42.1	
8/11/2021	38.6	
2/4/2022		41.7
8/19/2022		40.4
2/22/2023		38.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	12.2	
5/31/2016	8.24	
11/23/2016	24.5	
2/10/2017	23.8	
4/11/2017	25.7	
6/15/2017	24.8	
7/12/2017	27.7	
7/26/2017	25.6	
10/6/2017	24.7	
3/23/2018	24.3 (J)	
9/19/2018	23.7 (J)	
3/22/2019	21.3 (J)	
9/17/2019	22.1	
3/13/2020	24.2	
9/21/2020	22.6	
3/18/2021	27.4	
8/11/2021	25.4	
2/7/2022		26.1
8/19/2022		28.1
2/22/2023		24.4

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	5.5	
5/16/2016	4.3	
7/25/2016	1.41	
9/19/2016	1.01	
11/3/2016	0.884	
1/19/2017	1.41	
3/28/2017	4.23	
6/5/2017	10.1	
9/26/2017	4.14	
3/15/2018	9	
9/12/2018	4.1	
3/14/2019	17.2 (X)	
9/11/2019	7.1	
3/10/2020	16.9	
9/15/2020	8.3	
3/11/2021	11.9	
8/4/2021	12.5	
1/31/2022		11.2
8/15/2022		10.6
2/14/2023		12.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.8	
5/16/2016	0.877 (D)	
7/25/2016	0.781 (D)	
9/19/2016	0.775 (D)	
11/4/2016	0.792 (D)	
1/23/2017	0.782 (D)	
3/29/2017	0.756 (D)	
6/7/2017	0.944	
9/27/2017	0.773	
3/15/2018	0.77	
9/13/2018	0.79	
3/14/2019	0.9 (D)	
9/11/2019	0.83 (D)	
3/10/2020	0.89 (J)	
9/11/2020	0.81 (J)	
3/11/2021	0.93 (J)	
8/6/2021	0.94 (J)	
2/1/2022		1.1
8/12/2022		1.1
2/14/2023		1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	36	
5/16/2016	37.4 (D)	
7/25/2016	30.2 (D)	
9/19/2016	32.3 (D)	
11/3/2016	29.3 (D)	
1/20/2017	28.7 (D)	
3/29/2017	34.9 (D)	
6/7/2017	30.9	
9/27/2017	34.2	
3/15/2018	34.6	
9/13/2018	36.1	
3/14/2019	37 (D)	
9/11/2019	37.2 (D)	
3/10/2020	43.5	
9/11/2020	35.3	
3/11/2021	43.1	
8/6/2021	40.6	
2/1/2022		43.9
8/12/2022		43.3
2/14/2023		47.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	50	
5/17/2016	50.5	
7/26/2016	40.7	
9/20/2016	38.8	
11/4/2016	40.7	
1/20/2017	38.8	
3/28/2017	48.3	
6/7/2017	43.4	
9/29/2017	46.6	
3/15/2018	46.2	
9/13/2018	45.3	
3/18/2019	46.1	
9/11/2019	43.1	
3/10/2020	51.6	
9/14/2020	40.2	
3/11/2021	45.2	
8/5/2021	43.7	
1/31/2022		39.9
8/15/2022		38.7
2/14/2023		41.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	26	
5/18/2016	26.2	
7/27/2016	19.3	
9/20/2016	25.3	
11/7/2016	23.6	
1/23/2017	25.1	
3/29/2017	28.9	
6/8/2017	25.6	
9/27/2017	23.8	
3/15/2018	21.6 (J)	
9/13/2018	23.8 (J)	
3/15/2019	20.4 (X)	
9/12/2019	21.1	
3/9/2020	22.3	
9/14/2020	20.9	
3/11/2021	21.1	
8/5/2021	20.4	
2/1/2022		21.3
8/15/2022		33.7 (J)
2/14/2023		20.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	25	
5/18/2016	27.6	
7/27/2016	23.9	
9/20/2016	28.9	
11/4/2016	32.1	
1/20/2017	31.8	
3/29/2017	34.6	
6/8/2017	34	
9/27/2017	30.8	
3/16/2018	30.2	
9/13/2018	30.9	
3/19/2019	28.4	
9/11/2019	33.3	
3/9/2020	35	
9/15/2020	31.6	
3/11/2021	31.8	
8/5/2021	29	
2/1/2022		29.4
8/15/2022		22.3
2/14/2023		31.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	12	
5/17/2016	3.25	
7/27/2016	3.2	
9/20/2016	2.72	
11/4/2016	1.69	
1/23/2017	<0.5	
3/28/2017	1.72	
6/8/2017	3.11	
9/29/2017	2.71	
3/15/2018	3.5	
9/13/2018	2.5	
3/15/2019	4.4	
9/11/2019	2.9	
3/9/2020	4.5	
9/14/2020	3.5	
3/11/2021	5.9	
8/4/2021	2.8	
1/31/2022		2.8
8/15/2022		5.6
2/14/2023		3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	24	
5/18/2016	27.7	
7/27/2016	21.7	
9/21/2016	24.9	
11/4/2016	23.6	
1/24/2017	23	
3/29/2017	27.5	
6/8/2017	27.1	
9/29/2017	25.3	
3/15/2018	24.4 (J)	
9/13/2018	22.8 (J)	
3/18/2019	31	
9/11/2019	24.3	
3/11/2020	27.1	
9/11/2020	24.7	
3/15/2021	24.7	
8/11/2021	27.4	
2/1/2022		26
8/15/2022		25.4
2/14/2023		24.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	6.4	
5/18/2016	4.63	
7/28/2016	2.25	
9/21/2016	1.86	
11/7/2016	1.65	
1/24/2017	1.62	
3/30/2017	1.27	
6/9/2017	1.18	
9/29/2017	0.967	
3/15/2018	0.81	
9/14/2018	0.7	
3/19/2019	1.1	
9/11/2019	0.78	
3/9/2020	0.87 (J)	
9/14/2020	0.65 (J)	
3/15/2021	0.69 (J)	
8/5/2021	0.67 (J)	
2/1/2022		0.62 (J)
8/15/2022		0.7 (J)
2/14/2023		0.65 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	4.29	
5/25/2016	7.15	
8/1/2016	3.35	
9/27/2016	2.89	
11/11/2016	3.33	
1/31/2017	3.21	
4/3/2017	2.57	
6/12/2017	6.22	
10/3/2017	2.45	
3/19/2018	3.3	
9/17/2018	2	
3/20/2019	2.7	
9/16/2019	2.8	
3/16/2020	12.1	
9/16/2020	2.8	
3/17/2021	3	
8/9/2021	2.6	
2/2/2022		3.7
8/16/2022		3.7
2/20/2023		3.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	13.8	
5/24/2016	14.8	
9/26/2016	13.3	
11/18/2016	12.4	
2/1/2017	13.3	
4/6/2017	13.4	
6/13/2017	14.6	
10/3/2017	13.9	
3/19/2018	14.4 (J)	
9/17/2018	12.4 (J)	
3/21/2019	14.9 (J)	
9/16/2019	13.5	
3/12/2020	16.2	
9/16/2020	14.3	
3/17/2021	14.1	
8/10/2021	14.7	
2/2/2022		15.5
8/17/2022		15.8
2/17/2023		15.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	11.1	
5/24/2016	12.6	
9/26/2016	11.8	
11/14/2016	11.3	
2/1/2017	12.6	
4/6/2017	9.84	
6/13/2017	13	
10/3/2017	13.7	
3/20/2018	11.5 (J)	
9/17/2018	11 (J)	
3/21/2019	8.3	
9/16/2019	9.5	
3/12/2020	9.3	
9/16/2020	8.8	
3/17/2021	9.5	
8/10/2021	9.9	
2/2/2022		10.5
8/17/2022		10
2/17/2023		9.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	25.7	
8/2/2016	22.9	
9/27/2016	22.2	
11/21/2016	22.1	
2/1/2017	21.7	
4/6/2017	21.4	
6/13/2017	24.4	
7/14/2017	24.8	
10/3/2017	23.6	
3/20/2018	22.9 (J)	
9/18/2018	20.8 (J)	
3/21/2019	25.2	
9/13/2019	24.6	
3/12/2020	26.4	
9/16/2020	24.4	
3/17/2021	23.9	
8/10/2021	26.2	
2/2/2022		26.9
8/17/2022		27.2
2/20/2023		26.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	22.2	
5/24/2016	25.2	
8/2/2016	20.8	
9/27/2016	23.1	
11/22/2016	22.3	
2/6/2017	21.4	
4/6/2017	21.1	
6/14/2017	22.1	
10/4/2017	23.1	
3/21/2018	22.5 (J)	
9/18/2018	20.8 (J)	
3/27/2019	20.6 (J)	
9/16/2019	23	
3/12/2020	21.8	
9/17/2020	21.4	
3/17/2021	22.4	
8/10/2021	23.5	
2/2/2022		23.9
8/17/2022		24
2/21/2023		18

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	25.1	
5/25/2016	23.7	
8/2/2016	21.5	
9/26/2016	21.4	
11/21/2016	21	
2/3/2017	20	
6/13/2017	21.5	
10/3/2017	22.8	
3/20/2018	20.3 (J)	
9/18/2018	15.5 (J)	
5/6/2019	20 (J)	
9/16/2019	20.3	
3/16/2020	19.4	
9/17/2020	18.1	
3/18/2021	9.6	
8/10/2021	20	
2/2/2022		20.8
8/17/2022		10.4
2/20/2023		18.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	9.07	
5/26/2016	15.8	
8/5/2016	20.5	
9/28/2016	24.9	
11/21/2016	23.4	
2/6/2017	1.7	
4/6/2017	1.6	
6/13/2017	3.82	
10/3/2017	9.77	
3/20/2018	1.4	
9/18/2018	3.35 (D)	
3/21/2019	4.8	
9/16/2019	12	
3/12/2020	1.8	
9/17/2020	18.3	
3/18/2021	1.9	
8/10/2021	1.9	
2/2/2022		2.2
8/17/2022		2.5
2/21/2023		2.3

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	0.0614 (J)	
5/19/2016	0.064 (J)	
7/29/2016	0.11 (J)	
9/23/2016	0.03 (J)	
11/9/2016	0.1 (J)	
1/30/2017	<0.1	
3/30/2017	0.01 (J)	
6/9/2017	0.04 (J)	
10/2/2017	0.07 (J)	
3/16/2018	0.029 (J)	
9/17/2018	<0.1 (D)	
3/20/2019	<0.1	
9/12/2019	0.051 (J)	
3/11/2020	0.052 (J)	
9/15/2020	0.05 (J)	
3/16/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.089 (J)
2/16/2023		0.07 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	0.0477 (J)	
5/20/2016	0.033 (J)	
7/29/2016	0.16 (J)	
9/23/2016	0.1 (J)	
11/9/2016	0.04 (J)	
1/31/2017	<0.1	
3/30/2017	0.02 (J)	
6/12/2017	0.17 (J)	
10/2/2017	<0.1	
3/19/2018	1.1 (O)	
9/14/2018	<0.1	
3/20/2019	<0.1	
9/12/2019	<0.1 (D)	
3/11/2020	<0.1	
9/15/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.086 (J)
2/16/2023		0.061 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	0.0826 (J)	
5/19/2016	0.0409 (J)	
7/29/2016	0.07 (J)	
9/22/2016	<0.1	
11/10/2016	0.03 (J)	
1/31/2017	<0.1	
4/3/2017	0.02 (J)	
6/9/2017	0.06 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/14/2018	<0.1	
3/19/2019	0.056 (J)	
9/13/2019	0.055 (J)	
3/11/2020	0.052 (J)	
9/15/2020	<0.1	
3/16/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.09 (J)
2/16/2023		0.079 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0202 (JD)	
7/27/2016	0.08 (JD)	
2/21/2017	0.17 (JD)	
3/27/2017	0.09 (JD)	
6/8/2017	0.05 (JD)	
7/17/2017	0.05 (JD)	
7/27/2017	0.08 (JD)	
8/9/2017	<0.1 (*)	
9/29/2017	0.04 (JD)	
3/16/2018	0.27 (J)	
9/14/2018	0.1 (J)	
3/14/2019	0.066 (X)	
9/10/2019	0.055 (X)	
3/9/2020	<0.1	
9/16/2020	<0.1	
3/16/2021	<0.1	
8/6/2021	<0.1	
2/2/2022		<0.1
8/16/2022		<0.1
2/14/2023		0.074 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.0657 (J)	
5/11/2016	0.0401 (J)	
7/19/2016	<0.1	
9/15/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	0.03 (J)	
3/28/2017	0.06 (J)	
6/7/2017	0.06 (J)	
9/26/2017	0.04 (J)	
3/14/2018	0.14 (J)	
9/12/2018	<0.1	
3/15/2019	<0.1	
9/9/2019	0.054 (X)	
3/9/2020	<0.1	
9/10/2020	<0.1	
3/12/2021	0.051 (J)	
8/4/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.075 (J)
2/13/2023		0.064 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<0.1	
5/23/2016	<0.1	
7/29/2016	<0.1	
9/22/2016	<0.1	
11/10/2016	<0.1	
1/31/2017	<0.1	
3/30/2017	<0.1	
6/12/2017	<0.1	
10/4/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/20/2019	<0.1	
9/13/2019	<0.1	
3/11/2020	<0.1	
3/29/2021	0.053 (J)	
8/9/2021	0.055 (J)	
2/2/2022		<0.1
8/16/2022		0.082 (J)
2/17/2023		0.055 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	0.0267 (J)	
5/11/2016	0.0255 (J)	
7/21/2016	<0.1	
9/19/2016	<0.1	
11/3/2016	0.11 (J)	
1/17/2017	0.02 (J)	
3/24/2017	<0.1	
5/24/2017	<0.1	
9/26/2017	<0.1	
3/14/2018	0.055 (J)	
9/12/2018	<0.1	
3/13/2019	0.045 (X)	
9/9/2019	<0.1	
3/9/2020	<0.1	
9/11/2020	<0.1	
3/10/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/12/2022		0.068 (J)
2/13/2023		0.054 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	0.0285 (J)	
5/12/2016	0.022 (J)	
7/20/2016	<0.1	
9/15/2016	<0.1	
11/3/2016	0.05 (J)	
1/18/2017	0.02 (J)	
3/24/2017	<0.1	
6/6/2017	<0.1	
9/25/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/14/2019	0.039 (X)	
9/10/2019	<0.1	
3/6/2020	<0.1	
9/10/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/13/2023		0.05 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.0394 (J)	
5/13/2016	0.0234 (J)	
7/21/2016	<0.1	
9/21/2016	<0.1	
11/3/2016	0.12 (J)	
1/17/2017	0.01 (J)	
3/27/2017	<0.1	
6/6/2017	<0.1	
9/25/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/14/2019	0.04 (X)	
9/10/2019	<0.1	
3/9/2020	<0.1	
9/10/2020	<0.1	
3/10/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/13/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.0296 (J)	
5/16/2016	0.0287 (J)	
7/22/2016	0.04 (J)	
9/19/2016	<0.1	
11/3/2016	0.04 (J)	
1/17/2017	0.02 (J)	
3/27/2017	<0.1	
6/7/2017	<0.1	
9/26/2017	<0.1	
3/14/2018	0.06 (J)	
9/14/2018	<0.1	
3/14/2019	0.058 (X)	
9/10/2019	<0.1	
3/6/2020	<0.1	
9/10/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.068 (J)
2/13/2023		0.056 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0329 (J)	
5/13/2016	0.0459 (J)	
7/19/2016	<0.1	
9/16/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	<0.1	
3/28/2017	<0.1	
6/6/2017	<0.1	
9/22/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/13/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/14/2023		0.052 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.0141 (J)	
5/13/2016	0.0141 (J)	
7/19/2016	<0.1	
9/16/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	0.02 (J)	
3/28/2017	<0.1	
6/6/2017	<0.1	
9/22/2017	<0.1	
3/15/2018	<0.1	
9/12/2018	<0.1	
3/13/2019	0.036 (X)	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.062 (J)
2/13/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.3 (D)	
4/7/2017	0.19 (JD)	
6/14/2017	0.19 (JD)	
7/12/2017	0.18 (JD)	
7/20/2017	0.17 (JD)	
7/28/2017	0.13 (JD)	
8/9/2017	0.245 (JD)	
8/24/2017	0.16 (JD)	
10/3/2017	0.17 (JD)	
3/21/2018	0.24 (J)	
9/18/2018	<0.3	
3/21/2019	0.19 (JD)	
9/12/2019	0.1 (JD)	
3/12/2020	0.18 (J)	
9/17/2020	0.12 (J)	
3/16/2021	0.1	
8/10/2021	0.087 (J)	
2/3/2022		0.15
8/17/2022		0.11
2/17/2023		0.11

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	0.0314 (J)	
5/23/2016	0.027 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/10/2016	0.04 (J)	
1/30/2017	<0.1	
4/7/2017	<0.1	
6/12/2017	0.07 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/17/2018	<0.1	
3/19/2019	<0.1	
9/13/2019	<0.1	
3/11/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.06 (J)
2/16/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	0.0326 (J)	
5/25/2016	0.0285 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/11/2016	<0.1	
1/30/2017	<0.1	
4/3/2017	0.04 (J)	
6/12/2017	0.06 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/18/2018	<0.1	
3/19/2019	<0.1	
9/12/2019	<0.1	
3/11/2020	<0.1	
9/15/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.063 (J)
2/16/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	0.0389 (J)	
5/26/2016	0.0375 (J)	
8/5/2016	0.03 (J)	
9/28/2016	<0.1	
11/22/2016	0.04 (J)	
2/7/2017	<0.1	
4/10/2017	<0.1	
6/14/2017	0.02 (J)	
10/4/2017	<0.1	
3/20/2018	<0.1	
9/18/2018	<0.1	
3/22/2019	0.045 (J)	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/4/2022		<0.1
8/17/2022		0.094 (J)
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	0.0209 (J)	
5/26/2016	0.037 (J)	
8/3/2016	<0.1	
9/28/2016	0.05 (J)	
11/22/2016	0.04 (J)	
2/7/2017	<0.1	
4/10/2017	<0.1	
6/14/2017	<0.1	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		0.051 (J)
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	0.0357 (J)	
5/26/2016	0.042 (J)	
8/3/2016	0.04 (J)	
9/28/2016	<0.1	
11/22/2016	0.06 (J)	
2/8/2017	0.05 (J)	
4/10/2017	<0.1	
6/15/2017	0.03 (J)	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	0.022 (J)	
5/26/2016	0.023 (J)	
8/4/2016	0.05 (J)	
9/28/2016	<0.1	
11/22/2016	0.04 (J)	
2/8/2017	<0.1	
4/10/2017	<0.1	
6/15/2017	<0.1	
10/4/2017	<0.1	
3/22/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	0.035 (J)	
5/27/2016	0.032 (J)	
8/3/2016	<0.1	
9/30/2016	<0.1	
11/22/2016	0.03 (J)	
2/13/2017	<0.1	
4/11/2017	<0.1	
6/14/2017	0.01 (J)	
10/4/2017	<0.1	
3/22/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1 (D)	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/2/2022		<0.1
8/18/2022		0.052 (J)
2/21/2023		0.054 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	0.026 (J)	
5/31/2016	0.0234 (J)	
8/4/2016	0.09 (J)	
9/29/2016	<0.1	
11/28/2016	0.08 (J)	
2/9/2017	0.24 (J)	
4/12/2017	<0.1	
6/16/2017	0.04 (J)	
10/9/2017	<0.1	
3/21/2018	<0.1	
9/19/2018	<0.1	
3/23/2019	<0.1	
9/18/2019	<0.1	
3/13/2020	<0.1	
9/22/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/17/2022		<0.1
8/18/2022		0.061 (J)
2/22/2023		0.06 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	0.044 (J)	
6/1/2016	0.0338 (J)	
2/22/2017	0.22 (J)	
4/11/2017	0.16 (J)	
6/16/2017	0.2 (J)	
7/12/2017	0.2 (J)	
7/28/2017	0.18 (J)	
8/10/2017	<0.3	
10/6/2017	0.14 (J)	
3/23/2018	0.24 (J)	
9/20/2018	<0.3	
3/22/2019	0.12 (J)	
9/18/2019	0.17 (X)	
3/17/2020	0.11 (J)	
9/22/2020	0.1 (J)	
3/19/2021	0.12	
8/12/2021	0.11	
2/4/2022		0.13
8/19/2022		0.14
2/22/2023		0.15

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	0.019 (J)	
6/1/2016	0.0148 (J)	
8/9/2016	0.04 (J)	
11/28/2016	0.07 (J)	
2/9/2017	0.08 (J)	
4/11/2017	<0.1	
6/14/2017	0.01 (J)	
7/12/2017	0.05 (J)	
10/5/2017	<0.1	
3/22/2018	<0.1	
9/19/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/22/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	0.027 (J)	
5/31/2016	0.0233 (J)	
8/4/2016	<0.1	
9/29/2016	<0.1	
11/23/2016	0.04 (J)	
2/10/2017	<0.1	
4/12/2017	<0.1	
6/15/2017	0.06 (J)	
10/6/2017	<0.1	
3/23/2018	<0.1	
9/19/2018	<0.1	
3/25/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/19/2022		0.054 (J)
2/22/2023		0.05 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	0.053 (J)	
5/31/2016	0.0669 (J)	
11/23/2016	0.03 (J)	
2/10/2017	<0.1	
4/11/2017	<0.1	
6/15/2017	0.02 (J)	
7/12/2017	0.04 (J)	
7/26/2017	0.03 (J)	
10/6/2017	<0.1	
3/23/2018	<0.1	
9/19/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/7/2022		<0.1
8/19/2022		0.053 (J)
2/22/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.0657 (J)	
5/16/2016	0.0415 (J)	
7/25/2016	0.14 (J)	
9/19/2016	<0.1	
11/3/2016	0.06 (J)	
1/19/2017	0.009 (J)	
3/28/2017	0.04 (J)	
6/5/2017	0.06 (J)	
7/20/2017	0.21 (J)	
9/26/2017	0.14 (J)	
3/15/2018	0.11 (J)	
9/12/2018	0.062 (J)	
3/14/2019	0.13 (X)	
9/11/2019	<0.1	
3/10/2020	0.13 (J)	
9/15/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.056 (J)
2/14/2023		0.075 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.1	
5/16/2016	<0.1 (D)	
7/25/2016	0.02 (JD)	
9/19/2016	<0.1 (D)	
11/4/2016	0.04 (JD)	
1/23/2017	0.006 (JD)	
3/29/2017	<0.1 (D)	
6/7/2017	<0.1	
9/27/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/14/2019	<0.1 (D)	
9/11/2019	<0.1 (D)	
3/10/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
2/1/2022		<0.1
8/12/2022		<0.1
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.0167 (J)	
5/16/2016	0.0161 (JD)	
7/25/2016	0.14 (JD)	
9/19/2016	<0.1 (D)	
11/3/2016	0.08 (JD)	
1/20/2017	0.01 (JD)	
3/29/2017	<0.1 (D)	
6/7/2017	<0.1	
9/27/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/14/2019	0.039 (JXD)	
9/11/2019	<0.1 (D)	
3/10/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
2/1/2022		<0.1
8/12/2022		0.063 (J)
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.0235 (J)	
5/17/2016	0.0281 (J)	
7/26/2016	<0.1	
9/20/2016	<0.1	
11/4/2016	0.05 (J)	
1/20/2017	0.01 (J)	
3/28/2017	<0.1	
6/7/2017	<0.1	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/18/2019	<0.1	
9/11/2019	<0.1	
3/10/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.06 (J)
2/14/2023		0.091 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.0439 (J)	
5/18/2016	0.059 (J)	
7/27/2016	0.1 (J)	
9/20/2016	0.04 (J)	
11/7/2016	0.1 (J)	
1/23/2017	0.13 (J)	
3/29/2017	0.04 (J)	
6/8/2017	0.05 (J)	
9/27/2017	0.04 (J)	
3/15/2018	<0.1	
9/13/2018	0.047 (J)	
3/15/2019	<0.1	
9/12/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		0.058 (J)
2/14/2023		0.064 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0551 (J)	
5/18/2016	0.065 (J)	
7/27/2016	0.09 (J)	
9/20/2016	<0.1	
11/4/2016	0.04 (J)	
1/20/2017	0.009 (J)	
3/29/2017	<0.1	
6/8/2017	<0.1 (*)	
9/27/2017	<0.1	
3/16/2018	0.13 (J)	
9/13/2018	<0.1	
3/19/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/15/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		0.069 (J)
2/14/2023		0.081 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.0195 (J)	
5/17/2016	0.0156 (J)	
7/27/2016	<0.1	
9/20/2016	0.03 (J)	
11/4/2016	0.06 (J)	
1/23/2017	0.02 (J)	
3/28/2017	<0.1	
6/8/2017	0.06 (J)	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/15/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.065 (J)
2/14/2023		0.058 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	0.0257 (J)	
5/18/2016	0.022 (J)	
7/27/2016	0.07 (J)	
9/21/2016	<0.1	
11/4/2016	0.03 (J)	
1/24/2017	<0.1	
3/29/2017	<0.1	
6/8/2017	<0.1 (*)	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/18/2019	<0.1	
9/11/2019	<0.1	
3/11/2020	<0.1	
9/11/2020	<0.1	
3/15/2021	<0.1	
8/11/2021	<0.1	
2/1/2022		<0.1
8/15/2022		<0.1
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.017 (J)	
5/18/2016	0.015 (J)	
7/28/2016	0.08 (J)	
9/21/2016	<0.1	
11/7/2016	<0.1	
1/24/2017	<0.1	
3/30/2017	<0.1	
6/9/2017	<0.1	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/14/2018	<0.1	
3/19/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/15/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		<0.1
2/14/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	0.0284 (J)	
5/25/2016	0.0207 (J)	
8/1/2016	<0.1	
9/27/2016	<0.1	
11/11/2016	0.04 (J)	
1/31/2017	<0.1	
4/3/2017	<0.1	
6/12/2017	0.02 (J)	
10/3/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/20/2019	<0.1	
9/16/2019	<0.1	
3/16/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/2/2022		<0.1
8/16/2022		0.062 (J)
2/20/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	0.0239 (J)	
5/24/2016	0.023 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/18/2016	0.02 (J)	
2/1/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	0.006 (J)	
10/3/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.064 (J)
2/17/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	0.0364 (J)	
5/24/2016	0.0286 (J)	
8/1/2016	0.08 (J)	
9/26/2016	<0.1	
11/14/2016	0.08 (J)	
2/1/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	0.05 (J)	
10/3/2017	<0.1	
3/20/2018	<0.1	
9/17/2018	<0.1	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.07 (J)
2/17/2023		0.052 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	0.043 (J)	
8/2/2016	<0.1	
9/27/2016	<0.1	
11/21/2016	0.22 (J)	
2/1/2017	<0.1	
4/6/2017	0.008 (J)	
6/13/2017	0.03 (J)	
7/14/2017	0.05 (J)	
10/3/2017	0.06 (J)	
3/20/2018	<0.1	
9/18/2018	<0.1	
3/21/2019	<0.1	
9/13/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.073 (J)
2/20/2023		0.057 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	0.0228 (J)	
5/24/2016	0.019 (J)	
8/2/2016	<0.1	
9/27/2016	<0.1	
11/22/2016	0.02 (J)	
2/6/2017	<0.1	
4/6/2017	<0.1	
6/14/2017	<0.1	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/27/2019	<0.1	
9/16/2019	<0.1 (D)	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.062 (J)
2/21/2023		0.057 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	0.048 (J)	
5/25/2016	0.0345 (J)	
8/2/2016	0.08 (J)	
9/26/2016	0.07 (J)	
11/21/2016	0.07 (J)	
2/3/2017	<0.1	
4/7/2017	0.03 (J)	
6/13/2017	0.05 (J)	
10/3/2017	0.1 (J)	
3/20/2018	<0.1	
9/18/2018	<0.1	
5/6/2019	<0.1	
9/16/2019	<0.1	
3/16/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.062 (J)
2/20/2023		0.061 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	0.0241 (J)	
5/26/2016	0.0307 (J)	
8/5/2016	<0.1	
9/28/2016	<0.1	
11/21/2016	0.05 (J)	
2/6/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	<0.1	
10/3/2017	<0.1	
3/20/2018	<0.1	
9/18/2018	<0.1 (D)	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.067 (J)
2/21/2023		<0.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	2.3685	
5/19/2016	2.14	
7/29/2016	1.9	
9/23/2016	2	
11/9/2016	1.6	
1/30/2017	1.8	
3/30/2017	1.6	
6/9/2017	1.7	
10/2/2017	1.8	
3/16/2018	1.5	
9/17/2018	1.3 (D)	
3/20/2019	1.5	
9/12/2019	0.98 (J)	
3/11/2020	0.94 (J)	
9/15/2020	0.96 (J)	
3/16/2021	0.99 (J)	
8/9/2021	1.3	
2/1/2022		0.93 (J)
8/16/2022		0.78 (J)
2/16/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	105.552	
5/20/2016	44.3	
7/29/2016	48	
9/23/2016	43	
11/9/2016	31	
1/31/2017	4.2	
3/30/2017	53	
6/12/2017	95	
10/2/2017	3.5	
3/19/2018	147	
9/14/2018	7.7	
3/20/2019	3.6	
9/12/2019	5.2	
3/11/2020	131	
9/15/2020	35.3	
3/17/2021	90.7	
8/9/2021	84.7	
2/1/2022		86.1
8/16/2022		58.5
2/16/2023		115

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	26.8249	
5/19/2016	3.81	
7/29/2016	1.1	
9/22/2016	0.96 (J)	
11/10/2016	0.72 (J)	
1/31/2017	1.5	
4/3/2017	1.3	
6/9/2017	1.2	
10/2/2017	1.7	
3/16/2018	14.8 (J)	
9/14/2018	2.1	
3/19/2019	32.5 (J)	
9/13/2019	3.8	
3/11/2020	34.3	
9/15/2020	1	
3/16/2021	3.3	
8/9/2021	1.6	
2/1/2022		1.5
8/16/2022		7.8
2/16/2023		38.9

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	2.4 (D)	
7/27/2016	3.6 (D)	
2/21/2017	26 (D)	
3/27/2017	10 (D)	
6/8/2017	6.7 (D)	
7/17/2017	6.4 (D)	
7/27/2017	18 (D)	
8/9/2017	18 (D)	
9/29/2017	21 (D)	
3/16/2018	15.5	
9/14/2018	11.6	
3/14/2019	9.3	
9/10/2019	14	
3/9/2020	5.8	
9/16/2020	8.6	
3/16/2021	3.5	
8/6/2021	4.2	
2/2/2022		4.5
8/16/2022		4.5
2/14/2023		6.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	4.2598	
5/11/2016	6.05	
7/19/2016	9.5	
9/15/2016	6.7	
11/2/2016	5.4	
1/18/2017	5.5	
3/28/2017	2.9	
6/7/2017	2.3	
9/26/2017	3.2	
3/14/2018	3.8	
9/12/2018	3.7	
3/15/2019	3	
9/9/2019	2.4	
3/9/2020	0.84 (J)	
9/10/2020	0.95 (J)	
3/12/2021	2	
8/4/2021	1.3	
1/31/2022		1.2
8/10/2022		1.3
2/13/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	0.8724 (J)	
5/23/2016	0.805 (J)	
7/29/2016	0.84 (J)	
9/22/2016	0.94 (J)	
11/10/2016	1.1	
1/31/2017	0.92 (J)	
3/30/2017	0.77 (J)	
6/12/2017	0.68 (J)	
10/4/2017	0.5 (J)	
3/19/2018	0.49 (J)	
9/17/2018	0.36 (J)	
3/20/2019	0.38 (J)	
9/13/2019	<1	
3/11/2020	<1	
3/29/2021	5.4	
8/9/2021	5	
2/2/2022		3.4
8/16/2022		3.5
2/17/2023		2.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	1.2104	
5/11/2016	1.28	
7/21/2016	0.91 (J)	
9/19/2016	1.3	
11/3/2016	1.5	
1/17/2017	<1.2 (*)	
3/24/2017	0.86 (J)	
5/24/2017	1.2	
9/26/2017	4.2	
12/28/2017	7.4 (Y)	
3/14/2018	3.8	
9/12/2018	1.7	
3/13/2019	2.1	
9/9/2019	1.6	
3/9/2020	1.2	
9/11/2020	1.3	
3/10/2021	1.5	
8/4/2021	1.4	
1/31/2022		1.2
8/12/2022		1.2
2/13/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	4.9347	
5/12/2016	2.3	
7/20/2016	2	
9/15/2016	1.1	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.6	
6/6/2017	4.1	
9/25/2017	1.9	
3/14/2018	11.5	
9/12/2018	1.8	
3/14/2019	6.2	
9/10/2019	1.2	
3/6/2020	10	
9/10/2020	1.7	
3/11/2021	6.1	
8/4/2021	1.7	
1/31/2022		1.8
8/11/2022		1.9
2/13/2023		6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	6.4987	
5/13/2016	3.68	
7/21/2016	4.5	
9/21/2016	2.8	
11/3/2016	6.7	
1/17/2017	<1.1 (*)	
3/27/2017	0.85 (J)	
6/6/2017	6.1	
9/25/2017	3.5	
3/14/2018	10.9 (J)	
9/12/2018	3.7	
3/14/2019	8.9	
9/10/2019	8.4	
3/9/2020	8.5	
9/10/2020	5.9	
3/10/2021	8.4	
8/4/2021	6.4	
1/31/2022		8.5
8/11/2022		4.7
2/13/2023		10.2

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	1.4538	
5/16/2016	1.18	
7/22/2016	1.8	
9/19/2016	1.4	
11/3/2016	1.6	
1/17/2017	<1.8 (*)	
3/27/2017	2	
6/7/2017	1.9	
9/26/2017	2	
3/14/2018	2.1	
9/14/2018	1.6	
3/14/2019	2.2	
9/10/2019	1.2	
3/6/2020	1.7	
9/10/2020	0.95 (J)	
3/11/2021	1.6	
8/4/2021	1.4	
1/31/2022		1.1
8/10/2022		1
2/13/2023		1.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	1.1313	
5/13/2016	1.96	
7/19/2016	1.3	
9/16/2016	1.1	
11/2/2016	1.2	
1/18/2017	0.84 (J)	
3/28/2017	0.7 (J)	
6/6/2017	0.47 (J)	
9/22/2017	0.59 (J)	
3/14/2018	0.39 (J)	
9/12/2018	0.3 (J)	
3/13/2019	0.43 (X)	
9/11/2019	<1	
3/9/2020	<1	
9/11/2020	<1	
3/11/2021	<1	
8/6/2021	<1	
1/31/2022		<1
8/11/2022		<1
2/14/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	3.8282	
5/13/2016	3.56	
7/19/2016	5.6	
9/16/2016	6.7	
11/2/2016	8.1	
1/18/2017	8.9	
3/28/2017	8.2	
6/6/2017	7	
9/22/2017	8.3	
3/15/2018	5.1	
9/12/2018	5.6	
3/13/2019	4.4	
9/11/2019	5	
3/9/2020	3.9	
9/14/2020	4.9	
3/11/2021	4.3	
8/5/2021	2.9	
1/31/2022		2.5
8/10/2022		2.5
2/13/2023		2.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	22 (D)	
4/7/2017	18 (D)	
6/14/2017	20 (D)	
7/12/2017	18 (D)	
7/20/2017	20 (D)	
7/28/2017	18 (D)	
8/9/2017	19 (D)	
8/24/2017	21 (D)	
10/3/2017	25 (D)	
12/28/2017	26 (Y)	
3/21/2018	25.4	
9/18/2018	22.8	
3/21/2019	24.9 (D)	
9/12/2019	16.5 (D)	
3/12/2020	20.8	
9/17/2020	20.3	
3/16/2021	22.1	
8/10/2021	20.7	
2/3/2022		20.7
8/17/2022		18.1
2/17/2023		21.2

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	0.7283 (J)	
5/23/2016	0.728 (J)	
8/1/2016	0.78 (J)	
9/26/2016	0.82 (J)	
11/10/2016	0.92 (J)	
1/30/2017	<1	
4/7/2017	0.82 (J)	
6/12/2017	0.78 (J)	
10/2/2017	0.71 (J)	
3/16/2018	0.67 (J)	
9/17/2018	0.47 (J)	
3/19/2019	0.52 (J)	
9/13/2019	0.55 (J)	
3/11/2020	<1	
9/16/2020	<1	
3/17/2021	<1	
8/9/2021	<1	
2/1/2022		<1
8/16/2022		<1
2/16/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	0.9594 (J)	
5/25/2016	1.59	
8/1/2016	1	
9/26/2016	1.2	
11/11/2016	1.2	
1/30/2017	<1	
4/3/2017	1.3	
6/12/2017	1.1	
10/2/2017	1.1	
3/16/2018	0.87 (J)	
9/18/2018	0.87 (J)	
3/19/2019	0.97 (J)	
9/12/2019	0.8 (J)	
3/11/2020	0.85 (J)	
9/15/2020	0.54 (J)	
3/17/2021	0.86 (J)	
8/9/2021	0.77 (J)	
2/2/2022		0.53 (J)
8/17/2022		0.55 (J)
2/16/2023		0.58 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	1.17	
5/26/2016	1.01	
8/5/2016	1.1	
9/28/2016	1	
11/22/2016	1.8	
2/7/2017	1.7	
4/10/2017	1.9	
6/14/2017	1.1	
10/4/2017	1.8	
3/20/2018	1.4	
9/18/2018	1.6	
3/22/2019	1.6	
9/17/2019	1.2	
3/12/2020	1.3	
9/17/2020	0.87 (J)	
3/18/2021	1.2	
8/10/2021	1.3	
2/4/2022		1.2
8/17/2022		1.1
2/20/2023		1.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	1.5	
5/26/2016	1.51	
8/3/2016	1.4	
9/28/2016	1.6	
11/22/2016	1.6	
2/7/2017	2	
4/10/2017	1.7	
6/14/2017	1.4	
10/4/2017	1.4	
3/21/2018	1.1	
9/18/2018	1.9	
3/22/2019	1.3	
9/17/2019	1.6	
3/12/2020	0.99 (J)	
9/17/2020	0.95 (J)	
3/18/2021	0.96 (J)	
8/11/2021	1	
2/4/2022		1.1
8/18/2022		1.5 (J)
2/20/2023		1.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	2.57	
5/26/2016	2.5	
8/3/2016	3	
9/28/2016	2.3	
11/22/2016	3.8	
2/8/2017	3.1	
4/10/2017	2.5	
6/15/2017	2.5	
10/4/2017	2.5	
3/21/2018	2.4	
9/18/2018	2.8	
3/23/2019	2.1	
9/17/2019	2.6	
3/12/2020	1.8	
9/21/2020	2	
3/19/2021	1.9	
8/11/2021	1.4	
2/4/2022		1.7
8/18/2022		1.6
2/20/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	2.99	
5/26/2016	2.68	
8/4/2016	3.6	
9/28/2016	4.4	
11/22/2016	3.8	
2/8/2017	2.7	
4/10/2017	2.2	
6/15/2017	2.3	
10/4/2017	2.8	
3/22/2018	2.2	
9/18/2018	2.6	
3/23/2019	2.1	
9/17/2019	2	
3/12/2020	1.5	
9/21/2020	1.8	
3/19/2021	1.5	
8/11/2021	1.5	
2/4/2022		1.5
8/18/2022		1.9
2/20/2023		1.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	0.3574 (J)	
5/27/2016	<1	
8/3/2016	0.35 (J)	
9/30/2016	0.47 (J)	
11/22/2016	0.36 (J)	
2/13/2017	0.79 (J)	
4/11/2017	0.42 (J)	
6/14/2017	0.3 (J)	
10/4/2017	0.36 (J)	
3/22/2018	0.3 (J)	
9/18/2018	<1	
3/23/2019	0.3 (J)	
9/17/2019	<1 (D)	
3/12/2020	<1	
9/21/2020	<1	
3/19/2021	<1	
8/11/2021	<1	
2/2/2022		<1
8/18/2022		<1
2/21/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	24.8	
5/31/2016	42.5	
8/4/2016	91	
9/29/2016	110	
11/28/2016	120	
2/9/2017	150	
4/12/2017	120	
6/16/2017	120	
10/9/2017	130	
3/21/2018	59.1	
9/19/2018	64.5	
3/23/2019	15.5 (J)	
9/18/2019	50.7	
3/13/2020	16.9	
9/22/2020	39.6	
3/18/2021	19.3	
8/11/2021	9.7	
2/17/2022		6.9
8/18/2022		16
2/22/2023		8.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	17.5	
6/1/2016	20.9	
2/22/2017	48	
4/11/2017	41	
6/16/2017	33	
7/12/2017	58	
7/28/2017	55	
8/10/2017	66	
10/6/2017	77	
3/23/2018	75.8	
9/20/2018	72.2	
3/22/2019	57.9	
9/18/2019	68.1	
3/17/2020	72.1	
9/22/2020	69.8	
3/19/2021	74.2	
8/12/2021	56.7	
2/4/2022		63.1
8/19/2022		65.7
2/22/2023		59.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	1.65	
6/1/2016	1.75	
11/28/2016	2.7	
2/9/2017	2.7	
4/11/2017	4.9	
6/14/2017	2.4	
7/12/2017	4.1	
10/5/2017	1.6	
3/22/2018	2.5	
9/19/2018	1.7	
3/22/2019	6.2	
9/17/2019	6.1	
3/13/2020	11.1	
9/21/2020	5.5	
3/18/2021	7.8	
8/11/2021	6.9	
2/4/2022		6.4
8/18/2022		9.2
2/22/2023		10.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	7.45	
5/31/2016	7.29	
8/4/2016	7.6	
9/29/2016	6.1	
11/23/2016	10	
2/10/2017	6.7	
4/12/2017	9.2	
6/15/2017	9.2	
10/6/2017	10	
3/23/2018	10.6	
9/19/2018	10.4	
3/25/2019	11.2	
9/17/2019	13.1	
3/13/2020	8.8	
9/21/2020	9	
3/18/2021	10.4	
8/11/2021	9.1	
2/4/2022		8.3
8/19/2022		6.9
2/22/2023		7.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	10.1	
5/31/2016	12.1	
11/23/2016	1.3	
2/10/2017	4.2	
4/11/2017	3.2	
6/15/2017	2.5	
7/12/2017	6.9	
7/26/2017	2.9	
10/6/2017	6.6	
3/23/2018	1.6	
9/19/2018	2.6	
3/22/2019	2.1	
9/17/2019	1.6	
3/13/2020	1.1	
9/21/2020	0.9 (J)	
3/18/2021	0.76 (J)	
8/11/2021	0.65 (J)	
2/7/2022		0.64 (J)
8/19/2022		0.87 (J)
2/22/2023		0.81 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	14.7828	
5/16/2016	10.2	
7/25/2016	8.4	
9/19/2016	2.5	
11/3/2016	3.3	
1/19/2017	3.2	
3/28/2017	16 (J)	
6/5/2017	38	
7/20/2017	48	
9/26/2017	18	
3/15/2018	32.4	
9/12/2018	16	
3/14/2019	79.7 (O)	
9/11/2019	19.8	
3/10/2020	48.5	
9/15/2020	23.1	
3/11/2021	35.5	
8/4/2021	35.1	
1/31/2022		29.7
8/15/2022		27.6
2/14/2023		33.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.6294 (J)	
5/16/2016	0.5151 (JD)	
7/25/2016	0.84 (J*D)	
9/19/2016	0.72 (JD)	
11/4/2016	0.75 (JD)	
1/23/2017	0.99 (JD)	
3/29/2017	1.5 (D)	
6/7/2017	0.63 (J)	
9/27/2017	1.2	
3/15/2018	0.75 (J)	
9/13/2018	1.3	
3/14/2019	0.72 (JXD)	
9/11/2019	<1 (D)	
3/10/2020	0.61 (J)	
9/11/2020	<1	
3/11/2021	<1	
8/6/2021	<1	
2/1/2022		<1
8/12/2022		<1
2/14/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	2.8721	
5/16/2016	2.27 (D)	
7/25/2016	2.6 (D)	
9/19/2016	2.8 (D)	
11/3/2016	2.6 (D)	
1/20/2017	2.8 (D)	
3/29/2017	3.1 (D)	
6/7/2017	3.2	
9/27/2017	2.5	
3/15/2018	2.9	
9/13/2018	2.3	
3/14/2019	4.3 (D)	
9/11/2019	2.6 (D)	
3/10/2020	5.2	
9/11/2020	2.8	
3/11/2021	4.2	
8/6/2021	4	
2/1/2022		6.1
8/12/2022		3.6
2/14/2023		10.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	5.7554	
5/17/2016	8.67	
7/26/2016	6.6	
9/20/2016	5.8	
11/4/2016	6.1	
1/20/2017	7	
3/28/2017	7.7	
6/7/2017	6.4	
9/29/2017	8.4	
3/15/2018	6.4	
9/13/2018	7.2	
3/18/2019	4.4	
9/11/2019	7	
3/10/2020	5.5	
9/14/2020	6.9	
3/11/2021	6.7	
8/5/2021	6	
1/31/2022		5.2
8/15/2022		5.6
2/14/2023		4.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	3.4409	
5/18/2016	4.09	
7/27/2016	4	
9/20/2016	4.3	
11/7/2016	4.1	
1/23/2017	5.1	
3/29/2017	5.2	
6/8/2017	3.8	
9/27/2017	4.3	
3/15/2018	3.7	
9/13/2018	4.8	
3/15/2019	4.2	
9/12/2019	4.7	
3/9/2020	4.3	
9/14/2020	4.3	
3/11/2021	4.7	
8/5/2021	4.3	
2/1/2022		4.3
8/15/2022		8.4 (J)
2/14/2023		4.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	9.1279	
5/18/2016	10.1	
7/27/2016	7	
9/20/2016	6.7	
11/4/2016	7.9	
1/20/2017	6.6	
3/29/2017	6.2	
6/8/2017	7.5	
9/27/2017	7.5	
3/16/2018	13.4	
9/13/2018	11.6	
3/19/2019	14.8	
9/11/2019	10.7	
3/9/2020	10.4	
9/15/2020	9.6	
3/11/2021	10.4	
8/5/2021	10.3	
2/1/2022		9.4
8/15/2022		4.3
2/14/2023		12.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.6569	
5/17/2016	2.39	
7/27/2016	<1.6 (*)	
9/20/2016	2.4	
11/4/2016	2.1	
1/23/2017	2.1	
3/28/2017	2.1	
6/8/2017	1.3	
9/29/2017	3.7	
12/28/2017	1.7 (Y)	
3/15/2018	0.76 (J)	
9/13/2018	1.6	
3/15/2019	1.7	
9/11/2019	0.86 (X)	
3/9/2020	1.6	
9/14/2020	5.4	
3/11/2021	15.4	
5/26/2021	20.2	
8/4/2021	1.5	
1/31/2022		1.2
8/15/2022		10.4
2/14/2023		3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	3.4197	
5/18/2016	3.06	
7/27/2016	2.6	
9/21/2016	3.1	
11/4/2016	3.1	
1/24/2017	3	
3/29/2017	2.5	
6/8/2017	3.3	
9/29/2017	4.2	
12/28/2017	3.8 (Y)	
3/15/2018	3.1	
9/13/2018	3.6	
3/18/2019	5.8	
9/11/2019	5.7	
3/11/2020	3.3	
9/11/2020	2.1	
3/15/2021	2.6	
8/11/2021	2.4	
2/1/2022		2.5
8/15/2022		2.5
2/14/2023		1.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	5.3658	
5/18/2016	4.44	
7/28/2016	9.9	
9/21/2016	2.2	
11/7/2016	2.2	
1/24/2017	1.5	
3/30/2017	1.7	
6/9/2017	1.7	
9/29/2017	2.2	
3/15/2018	2.4	
9/14/2018	2.4	
3/19/2019	2.2	
9/11/2019	1.5	
3/9/2020	1.5	
9/14/2020	1.2	
3/15/2021	1.5	
8/5/2021	1.1	
2/1/2022		0.93 (J)
8/15/2022		0.98 (J)
2/14/2023		0.84 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	1.87	
5/25/2016	1.41	
8/1/2016	1.5	
9/27/2016	1.4	
11/11/2016	1.5	
1/31/2017	1.8	
4/3/2017	1.5	
6/12/2017	2.1	
10/3/2017	1.4	
3/19/2018	1.3	
9/17/2018	1.3	
3/20/2019	1.3	
9/16/2019	1.2	
3/16/2020	1.1	
9/16/2020	1.1	
3/17/2021	1.1	
8/9/2021	1.2	
2/2/2022		1
8/16/2022		1
2/20/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	3.5801	
5/24/2016	2.79	
8/1/2016	2.2	
9/26/2016	1.8	
11/18/2016	1.8	
2/1/2017	2.8	
4/6/2017	<2.5	
6/13/2017	2.8	
10/3/2017	2.6	
3/19/2018	2.6	
9/17/2018	2.2	
3/21/2019	2.7	
9/16/2019	2	
3/12/2020	2.1	
9/16/2020	1.8	
3/17/2021	2.2	
8/10/2021	1.7	
2/2/2022		1.7
8/17/2022		1.6
2/17/2023		2

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	1.4863	
5/24/2016	1.62	
8/1/2016	2.3	
9/26/2016	2.4	
11/14/2016	2.8	
2/1/2017	2.6	
4/6/2017	<2.3	
6/13/2017	2.2	
10/3/2017	2.6	
3/20/2018	2.5	
9/17/2018	2.5	
3/21/2019	1.7	
9/16/2019	1.6	
3/12/2020	1.4	
9/16/2020	1.3	
3/17/2021	1.8	
8/10/2021	1.4	
2/2/2022		1.5
8/17/2022		1.2
2/17/2023		1.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	2.03	
8/2/2016	0.96 (J)	
9/27/2016	0.87 (J)	
11/21/2016	0.93 (J)	
2/1/2017	0.76 (J)	
4/6/2017	<1	
6/13/2017	0.58 (J)	
7/14/2017	0.04 (J)	
10/3/2017	0.87 (J)	
3/20/2018	0.5 (J)	
9/18/2018	0.65 (J)	
3/21/2019	1.9	
9/13/2019	0.76 (J)	
3/12/2020	1.7	
9/16/2020	1.1	
3/17/2021	1.3	
8/10/2021	1.1	
2/2/2022		1.3
8/17/2022		0.91 (J)
2/20/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	1.9542	
5/24/2016	0.989 (J)	
8/2/2016	1	
9/27/2016	0.95 (J)	
11/22/2016	1.1	
2/6/2017	0.96 (J)	
4/6/2017	<1	
6/14/2017	0.97 (J)	
10/4/2017	0.84 (J)	
3/21/2018	1.2	
9/18/2018	0.9 (J)	
3/27/2019	1.5	
9/16/2019	0.69 (JD)	
3/12/2020	1.8	
9/17/2020	0.6 (J)	
3/17/2021	0.72 (J)	
8/10/2021	0.64 (J)	
2/2/2022		0.72 (J)
8/17/2022		0.53 (J)
2/21/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	3.9321	
5/25/2016	2.68	
8/2/2016	2.7	
9/26/2016	2.9	
11/21/2016	2.8	
2/3/2017	2.7	
4/7/2017	2.3	
6/13/2017	2	
10/3/2017	1.9	
3/20/2018	1.6	
9/18/2018	1.6	
5/6/2019	2.1	
9/16/2019	1	
3/16/2020	0.66 (J)	
9/17/2020	0.74 (J)	
3/18/2021	1.1	
8/10/2021	0.72 (J)	
2/2/2022		0.72 (J)
8/17/2022		0.58 (J)
2/20/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	2	
5/26/2016	2.93	
8/5/2016	3.6	
9/28/2016	3.2	
11/21/2016	3.3	
2/6/2017	1.3	
4/6/2017	<1.2	
6/13/2017	2	
10/3/2017	2.8	
3/20/2018	1.2	
9/18/2018	2.6	
3/21/2019	2.3	
9/16/2019	3	
3/12/2020	1.1	
9/17/2020	3.5	
3/18/2021	2.1	
8/10/2021	1.7	
2/2/2022		2.5
8/17/2022		2.5
2/21/2023		3

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	150	
5/19/2016	150	
7/29/2016	146	
9/23/2016	163	
11/9/2016	147	
1/30/2017	127	
3/30/2017	137	
6/9/2017	164	
10/2/2017	137	
3/16/2018	140	
9/17/2018	162	
3/20/2019	175	
9/12/2019	174	
3/11/2020	172	
9/15/2020	156	
3/16/2021	155	
8/9/2021	150	
2/1/2022		143
8/16/2022		159
2/16/2023		152 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	259	
5/20/2016	122	
7/29/2016	156	
9/23/2016	150	
11/9/2016	87	
1/31/2017	63	
3/30/2017	112	
6/12/2017	216	
10/2/2017	<25	
3/19/2018	295	
9/14/2018	30	
3/20/2019	49	
9/12/2019	44	
3/11/2020	309	
9/15/2020	28	
3/17/2021	211	
8/9/2021	207	
2/1/2022		202
8/16/2022		182
2/16/2023		267 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	174	
5/19/2016	93	
7/29/2016	68	
9/22/2016	91	
11/10/2016	96	
1/31/2017	206	
4/3/2017	118	
6/9/2017	87	
10/2/2017	73	
3/16/2018	130	
9/14/2018	103	
3/19/2019	208	
9/13/2019	113	
3/11/2020	170	
9/15/2020	89	
3/16/2021	102	
8/9/2021	127	
2/1/2022		114
8/16/2022		123
2/16/2023		197 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	114 (D)	
7/27/2016	107 (D)	
2/21/2017	229 (D)	
3/27/2017	239 (D)	
6/8/2017	179 (D)	
7/17/2017	180 (D)	
7/27/2017	190 (D)	
8/9/2017	153 (D)	
9/29/2017	173 (D)	
3/16/2018	150	
9/14/2018	165	
3/14/2019	154	
9/10/2019	181	
3/9/2020	173	
9/16/2020	156	
3/16/2021	142	
8/6/2021	133	
2/2/2022		143
8/16/2022		125
2/14/2023		149 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	106	
5/11/2016	58	
7/19/2016	46	
9/15/2016	41	
11/2/2016	37	
1/18/2017	29	
3/28/2017	40	
9/26/2017	107	
3/14/2018	126	
9/12/2018	134	
3/15/2019	107	
9/9/2019	93	
3/9/2020	58	
9/10/2020	16	
3/12/2021	55	
8/4/2021	60	
1/31/2022		61
8/10/2022		50
2/13/2023		105 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<25	
5/23/2016	<25	
7/29/2016	17 (J)	
9/22/2016	33	
11/10/2016	41	
1/31/2017	58	
3/30/2017	<25	
6/12/2017	20 (J)	
10/4/2017	<25	
3/19/2018	<25	
9/17/2018	32	
3/20/2019	30	
9/13/2019	19	
3/11/2020	24	
3/29/2021	76	
8/9/2021	95	
2/2/2022		104
8/16/2022		85
2/17/2023		117 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	107	
5/11/2016	80	
7/21/2016	76	
9/19/2016	108	
11/3/2016	90	
1/17/2017	128	
3/24/2017	91	
5/24/2017	152	
9/26/2017	103	
3/14/2018	123	
9/12/2018	105	
3/13/2019	130	
9/9/2019	108	
3/9/2020	131	
9/11/2020	102	
3/10/2021	60	
8/4/2021	66	
1/31/2022		81
8/12/2022		91
2/13/2023		259 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	110	
5/12/2016	49	
7/20/2016	72	
9/15/2016	18 (J)	
11/3/2016	70	
1/18/2017	63	
3/24/2017	63	
6/6/2017	128	
9/25/2017	109	
3/14/2018	192	
9/12/2018	82	
3/14/2019	119	
9/10/2019	36	
3/6/2020	137	
9/10/2020	35	
3/11/2021	101	
8/4/2021	77	
1/31/2022		63
8/11/2022		73
2/13/2023		111 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	78	
5/13/2016	178	
7/21/2016	168	
9/21/2016	123	
11/3/2016	157	
1/17/2017	170	
3/27/2017	158	
6/6/2017	212	
9/25/2017	145	
3/14/2018	210	
9/12/2018	159	
3/14/2019	157	
9/10/2019	113	
3/9/2020	249	
9/10/2020	111	
3/10/2021	148	
8/4/2021	176	
1/31/2022		184
8/11/2022		170
2/13/2023		163 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	139	
5/16/2016	112	
7/22/2016	136	
9/19/2016	121	
11/3/2016	132	
1/17/2017	150	
3/27/2017	148	
6/7/2017	181	
9/26/2017	113	
3/14/2018	134	
9/14/2018	139	
3/14/2019	157	
9/10/2019	105	
3/6/2020	143	
9/10/2020	120	
3/11/2021	109	
8/4/2021	141	
1/31/2022		132
8/10/2022		134
2/13/2023		226

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	69	
5/13/2016	88	
7/19/2016	56	
9/16/2016	31	
11/2/2016	48	
1/18/2017	44	
3/28/2017	<35	
6/6/2017	36	
9/22/2017	41	
3/14/2018	<35	
9/12/2018	<35	
3/13/2019	31	
9/11/2019	21	
3/9/2020	51	
9/11/2020	31	
3/11/2021	14	
8/6/2021	33	
1/31/2022		25
8/11/2022		28
2/14/2023		60.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	144	
5/13/2016	142	
7/19/2016	135	
9/16/2016	144	
11/2/2016	152	
1/18/2017	125	
3/28/2017	109	
6/6/2017	154	
9/22/2017	157	
3/15/2018	117	
9/12/2018	151	
3/13/2019	152	
9/11/2019	151	
3/9/2020	174	
9/14/2020	146	
3/11/2021	98	
8/5/2021	126	
1/31/2022		128
8/10/2022		145
2/13/2023		126

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	329 (D)	
4/7/2017	295 (D)	
6/14/2017	237 (D)	
7/12/2017	400 (D)	
7/20/2017	203 (D)	
7/28/2017	262 (D)	
8/9/2017	195 (D)	
8/24/2017	236 (D)	
10/3/2017	224 (D)	
3/21/2018	237	
9/18/2018	227	
3/21/2019	367 (D)	
9/12/2019	200 (D)	
3/12/2020	247	
9/17/2020	223	
3/16/2021	196	
8/10/2021	238	
2/3/2022		243
8/17/2022		226
2/17/2023		252 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	<25	
5/23/2016	32	
8/1/2016	<25	
9/26/2016	45	
11/10/2016	38	
1/30/2017	<25	
4/7/2017	18 (J)	
6/12/2017	15 (J)	
10/2/2017	17 (J)	
3/16/2018	<25	
9/17/2018	38	
3/19/2019	34	
9/13/2019	19	
3/11/2020	17	
9/16/2020	20	
3/17/2021	<25	
8/9/2021	14	
2/1/2022		21
8/16/2022		<25
2/16/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	46	
5/25/2016	57	
8/1/2016	<25	
9/26/2016	60	
11/11/2016	13 (J)	
1/30/2017	<25	
4/3/2017	100	
6/12/2017	51	
10/2/2017	32	
3/16/2018	<25	
9/18/2018	15 (J)	
3/19/2019	48	
9/12/2019	46	
3/11/2020	24	
9/15/2020	12	
3/17/2021	31	
8/9/2021	<25	
2/2/2022		15
8/17/2022		18 (J)
2/16/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	122	
5/26/2016	143	
8/5/2016	143	
9/28/2016	160	
11/22/2016	149	
2/7/2017	123	
4/10/2017	95	
6/14/2017	150	
10/4/2017	140	
3/20/2018	93	
9/18/2018	155	
3/22/2019	95	
9/17/2019	165	
3/12/2020	63	
9/17/2020	140	
3/18/2021	74	
8/10/2021	120	
2/4/2022		102
8/17/2022		128
2/20/2023		47

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	135	
5/26/2016	163	
8/3/2016	159	
9/28/2016	208	
11/22/2016	152	
2/7/2017	128	
4/10/2017	186	
6/14/2017	150	
10/4/2017	153	
3/21/2018	192	
9/18/2018	155	
3/22/2019	140	
9/17/2019	172	
3/12/2020	81	
9/17/2020	125	
3/18/2021	62	
8/11/2021	138	
2/4/2022		156
8/18/2022		135
2/20/2023		154

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	79	
5/26/2016	105	
8/3/2016	106	
9/28/2016	148	
11/22/2016	88	
2/8/2017	62	
4/10/2017	92	
6/15/2017	96	
10/4/2017	78	
3/21/2018	111	
9/18/2018	106	
3/23/2019	64	
9/17/2019	101	
3/12/2020	96	
9/21/2020	93	
3/19/2021	79	
8/11/2021	53	
2/4/2022		120
8/18/2022		59
2/20/2023		98

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	135	
5/26/2016	124	
8/4/2016	109	
9/28/2016	104	
11/22/2016	94	
2/8/2017	141 (J)	
4/10/2017	114	
6/15/2017	153	
10/4/2017	121	
3/22/2018	139	
9/18/2018	139	
3/23/2019	148	
9/17/2019	143	
3/12/2020	125	
9/21/2020	145	
3/19/2021	135	
8/11/2021	149	
2/4/2022		157
8/18/2022		141
2/20/2023		149

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	58	
5/27/2016	66	
8/3/2016	65	
9/30/2016	60	
11/22/2016	63	
2/13/2017	104 (J)	
4/11/2017	63	
6/14/2017	97	
10/4/2017	74	
3/22/2018	54	
9/18/2018	73	
3/23/2019	58	
9/17/2019	62	
3/12/2020	64	
9/21/2020	62	
3/19/2021	53	
8/11/2021	58	
2/2/2022		54
8/18/2022		48
2/21/2023		42

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020	143	
9/22/2020	176	
3/18/2021	82	
8/11/2021	131	
2/17/2022		119
8/18/2022		132
2/22/2023		1020

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	110	
6/1/2016	121	
2/22/2017	311	
4/11/2017	212	
6/16/2017	262	
7/12/2017	310	
7/28/2017	289	
8/10/2017	288	
10/6/2017	268	
3/23/2018	281	
9/20/2018	297	
3/22/2019	249	
9/18/2019	281	
3/17/2020	256	
9/22/2020	248	
3/19/2021	250	
8/12/2021	263	
2/4/2022		262
8/19/2022		243
2/22/2023		254

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	42	
6/1/2016	63	
8/9/2016	267	
11/28/2016	116	
2/9/2017	212 (J)	
4/11/2017	113	
6/14/2017	120	
7/12/2017	153	
10/5/2017	102	
3/22/2018	115	
9/19/2018	114	
3/22/2019	104	
9/17/2019	86	
3/13/2020	59	
9/21/2020	94	
3/18/2021	57	
8/11/2021	77	
2/4/2022		92
8/18/2022		83
2/22/2023		65

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	103	
5/31/2016	157	
8/4/2016	154	
9/29/2016	142	
11/23/2016	172	
2/10/2017	237	
4/12/2017	168	
6/15/2017	176	
10/6/2017	155	
3/23/2018	170	
9/19/2018	181	
3/25/2019	167	
9/17/2019	179	
3/13/2020	169	
9/21/2020	186	
3/18/2021	153	
8/11/2021	181	
2/4/2022		162
8/19/2022		152
2/22/2023		174

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	53	
5/31/2016	70	
11/23/2016	118	
2/10/2017	214	
4/11/2017	127	
6/15/2017	126	
7/12/2017	164	
7/26/2017	129	
10/6/2017	140	
3/23/2018	119	
9/19/2018	138	
3/22/2019	116	
9/17/2019	117	
3/13/2020	76	
9/21/2020	122	
3/18/2021	54	
8/11/2021	122	
2/7/2022		121
8/19/2022		112
2/22/2023		111

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<36	
5/16/2016	35	
7/25/2016	24 (J)	
9/19/2016	19 (J)	
11/3/2016	34	
1/19/2017	13 (J)	
3/28/2017	<36	
6/5/2017	206	
7/20/2017	72	
9/26/2017	35	
3/15/2018	41	
9/12/2018	<36	
3/14/2019	110	
9/11/2019	58	
3/10/2020	127	
9/15/2020	56	
3/11/2021	43	
8/4/2021	62	
1/31/2022		63
8/15/2022		50
2/14/2023		70.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<10	
5/16/2016	<10 (D)	
7/25/2016	16 (JD)	
9/19/2016	12 (JD)	
11/4/2016	13 (JD)	
1/23/2017	15 (JD)	
3/29/2017	<10 (D)	
6/7/2017	26	
9/27/2017	<10	
3/15/2018	<10	
9/13/2018	<10	
3/14/2019	39 (XJD)	
9/11/2019	<10 (D)	
3/10/2020	60	
9/11/2020	11	
3/11/2021	12	
8/6/2021	17	
2/1/2022		70
8/12/2022		14
2/14/2023		33.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	89	
5/16/2016	169 (D)	
7/25/2016	159 (D)	
9/19/2016	152 (D)	
11/3/2016	150 (D)	
1/20/2017	152 (D)	
3/29/2017	143 (D)	
6/7/2017	192	
9/27/2017	159	
3/15/2018	146	
9/13/2018	185	
3/14/2019	195 (D)	
9/11/2019	172 (D)	
3/10/2020	245	
9/11/2020	146	
3/11/2021	167	
8/6/2021	186	
2/1/2022		201
8/12/2022		159
2/14/2023		206

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	253	
5/17/2016	251	
7/26/2016	249	
9/20/2016	195	
11/4/2016	209	
1/20/2017	211	
3/28/2017	199	
6/7/2017	251	
9/29/2017	255	
3/15/2018	231	
9/13/2018	263	
3/18/2019	251	
9/11/2019	234	
3/10/2020	273	
9/14/2020	232	
3/11/2021	209	
8/5/2021	210	
1/31/2022		197
8/15/2022		187
2/14/2023		199

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	152	
5/18/2016	123	
7/27/2016	113	
9/20/2016	126	
11/7/2016	167	
1/23/2017	125	
3/29/2017	116	
6/8/2017	131	
9/27/2017	117	
3/15/2018	102	
9/13/2018	144	
3/15/2019	125	
9/12/2019	121	
3/9/2020	147	
9/14/2020	129	
3/11/2021	106	
8/5/2021	90	
2/1/2022		107
8/15/2022		141 (J)
2/14/2023		111 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	149	
5/18/2016	162	
7/27/2016	132	
9/20/2016	155	
11/4/2016	169	
1/20/2017	135	
3/29/2017	147	
6/8/2017	159	
9/27/2017	167	
3/16/2018	141	
9/13/2018	175	
3/19/2019	154	
9/11/2019	164	
3/9/2020	44	
9/15/2020	108	
3/11/2021	143	
8/5/2021	142	
2/1/2022		157
8/15/2022		104
2/14/2023		151

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	63	
5/17/2016	<31	
7/27/2016	11 (J)	
9/20/2016	14 (J)	
11/4/2016	27	
1/23/2017	15 (J)	
3/28/2017	<31	
6/8/2017	29	
9/29/2017	21 (J)	
3/15/2018	<31	
9/13/2018	<31	
3/15/2019	41	
9/11/2019	20	
3/9/2020	100	
9/14/2020	47	
3/11/2021	40	
8/4/2021	34	
1/31/2022		31
8/15/2022		37
2/14/2023		30.9

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	103	
5/18/2016	129	
7/27/2016	108	
9/21/2016	102	
11/4/2016	130	
1/24/2017	152	
3/29/2017	95	
6/8/2017	176	
9/29/2017	118	
3/15/2018	88	
9/13/2018	137	
3/18/2019	170	
9/11/2019	138	
3/11/2020	125	
9/11/2020	127	
3/15/2021	107	
8/11/2021	116	
2/1/2022		125
8/15/2022		103
2/14/2023		114

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	31	
5/18/2016	43	
7/28/2016	43	
9/21/2016	<25	
11/7/2016	50	
1/24/2017	63	
3/30/2017	<25	
6/9/2017	20 (J)	
9/29/2017	22 (J)	
3/15/2018	<25	
9/14/2018	29	
3/19/2019	35	
9/11/2019	27	
3/9/2020	51	
9/14/2020	25	
3/15/2021	30	
8/5/2021	<25	
2/1/2022		27
8/15/2022		<25
2/14/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	<25	
5/25/2016	34	
8/1/2016	25	
9/27/2016	20 (J)	
11/11/2016	41	
1/31/2017	127	
4/3/2017	69	
6/12/2017	46	
10/3/2017	34	
3/19/2018	<25	
9/17/2018	38	
3/20/2019	66	
9/16/2019	45	
3/16/2020	20	
9/16/2020	30	
3/17/2021	15	
8/9/2021	<25	
2/2/2022		32
8/16/2022		<25
2/20/2023		53

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	51	
5/24/2016	76	
8/1/2016	69	
9/26/2016	103	
11/18/2016	77	
2/1/2017	168	
4/6/2017	95	
6/13/2017	101	
10/3/2017	83	
3/19/2018	70	
9/17/2018	77	
3/21/2019	80	
9/16/2019	82	
3/12/2020	42	
9/16/2020	77	
3/17/2021	47	
8/10/2021	53	
2/2/2022		73
8/17/2022		53
2/17/2023		75 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	64	
5/24/2016	77	
8/1/2016	35	
9/26/2016	111	
11/14/2016	76	
2/1/2017	126	
4/6/2017	146	
6/13/2017	84	
10/3/2017	70	
3/20/2018	78	
9/17/2018	74	
3/21/2019	60	
9/16/2019	65	
3/12/2020	22	
9/16/2020	52	
3/17/2021	43	
8/10/2021	<10	
2/2/2022		51
8/17/2022		33
2/17/2023		50 (J)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	120	
8/2/2016	100	
9/27/2016	121	
11/21/2016	164	
2/1/2017	144	
4/6/2017	125	
6/13/2017	148	
7/14/2017	121	
10/3/2017	117	
3/20/2018	136	
9/18/2018	116	
3/21/2019	107	
9/13/2019	115	
3/12/2020	86	
9/16/2020	124	
3/17/2021	112	
8/10/2021	101	
2/2/2022		115
8/17/2022		83
2/20/2023		122

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	104	
5/24/2016	94	
8/2/2016	105	
9/27/2016	119	
11/22/2016	105	
2/6/2017	99	
4/6/2017	124	
6/14/2017	114	
10/4/2017	107	
3/21/2018	117	
9/18/2018	110	
3/27/2019	101	
9/16/2019	113	
3/12/2020	84	
9/17/2020	111	
3/17/2021	113	
8/10/2021	112	
2/2/2022		102
8/17/2022		89
2/21/2023		77

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	111	
5/25/2016	95	
8/2/2016	124	
9/26/2016	140	
11/21/2016	154	
2/3/2017	113	
4/7/2017	147	
6/13/2017	117	
10/3/2017	150	
3/20/2018	121	
9/18/2018	93	
5/6/2019	118	
9/16/2019	99	
3/16/2020	76	
9/17/2020	98	
3/18/2021	48	
8/10/2021	92	
2/2/2022		85
8/17/2022		41
2/20/2023		86

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 3:59 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	26	
5/26/2016	70	
8/5/2016	95	
9/28/2016	152	
11/21/2016	145	
2/6/2017	20 (J)	
4/6/2017	17 (J)	
6/13/2017	32	
10/3/2017	71	
3/20/2018	49	
9/18/2018	38	
3/21/2019	39	
9/16/2019	85	
3/12/2020	16	
9/17/2020	94	
3/18/2021	<25	
8/10/2021	22	
2/2/2022		21
8/17/2022		25
2/21/2023		<25

FIGURE I.

Appendix III Interwell Prediction Limits -Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

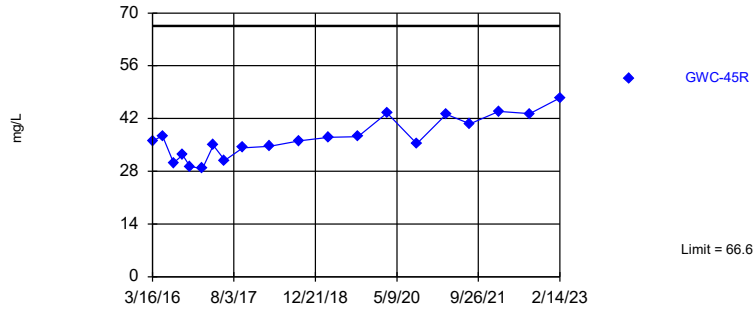
Appendix III Interwell Prediction Limits -Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-45R	66.6	n/a	2/14/2023	47.5	No	301	n/a	n/a	0	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Sulfate, total (mg/L)	GWC-45R	147	n/a	2/14/2023	10.1	No	301	n/a	n/a	7.309	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	400	n/a	2/22/2023	1020	Yes	298	n/a	n/a	7.047	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

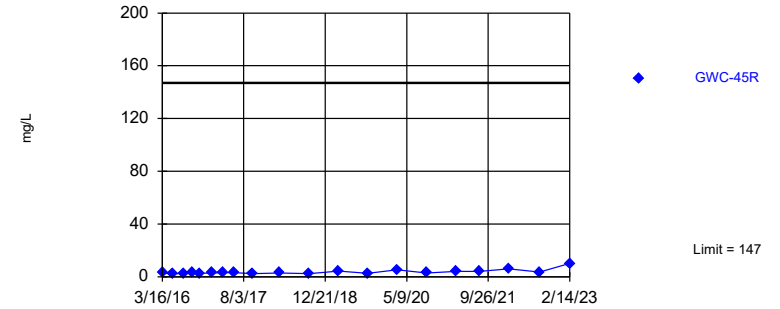


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 301 background values. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Calcium, total Analysis Run 3/27/2023 4:14 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

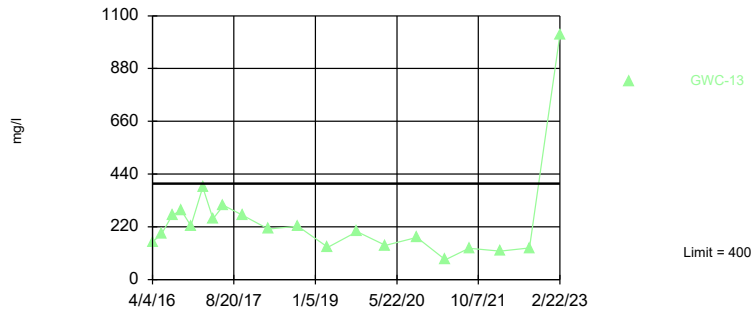


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 301 background values. 7.309% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Sulfate, total Analysis Run 3/27/2023 4:14 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit: GWC-13

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 298 background values. 7.047% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:14 PM View: Appendix III Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
3/11/2016	30	13	31						
3/14/2016				20					
3/15/2016					38	24	24		
3/16/2016								36	
3/22/2016									32.6
3/23/2016									
3/28/2016									
5/11/2016				9.76			22.1		
5/12/2016						15.5			
5/13/2016	27.8	18.7			36				
5/16/2016			32					37.4 (D)	
5/19/2016									33.4
5/20/2016									
5/23/2016									
5/25/2016									
7/19/2016	25.3	12		3.04					
7/20/2016						16.5			
7/21/2016					33.5		19.3		
7/22/2016			28.5						
7/25/2016								30.2 (D)	
7/27/2016									
7/29/2016									26
8/1/2016									
9/15/2016				4.78		6.1	18.2		
9/16/2016	27.5	8.48							
9/19/2016			28.6					32.3 (D)	
9/21/2016					31.9				
9/22/2016									
9/23/2016									28.8
9/26/2016									
11/2/2016	26.2	11.4		2.46					
11/3/2016			26.6		28.9	13.7	18.2	29.3 (D)	
11/9/2016									27.9
11/10/2016									
11/11/2016									
1/17/2017			28.7		31.4		22		
1/18/2017	26.6	6.81		5.46		13.1			
1/20/2017								28.7 (D)	
1/30/2017									29.2
1/31/2017									
2/21/2017									
2/22/2017									
3/24/2017						17.3	21.1		
3/27/2017			30.4		31.7				
3/28/2017	29	5.61		13					
3/29/2017								34.9 (D)	
3/30/2017									30
4/3/2017									
4/7/2017									
5/24/2017							23.5		
6/6/2017	29.3	4.99			42.9	29.1			
6/7/2017			31.3	17				30.9	

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2016							
3/14/2016							
3/15/2016							
3/16/2016							
3/22/2016							
3/23/2016	46.5	2.05	54.1				
3/28/2016				7.04	3.89		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						27.8 (D)	
5/19/2016	24.6						
5/20/2016			23.9				
5/23/2016		1.29			2.16		
5/25/2016				13.5			
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/25/2016							
7/27/2016						21.2 (D)	
7/29/2016	14.9	1.29	25.3				
8/1/2016				2.2	1.37		
9/15/2016							
9/16/2016							
9/19/2016							
9/21/2016							
9/22/2016	15	1.51					
9/23/2016			26.6				
9/26/2016				5.72	1.86		
11/2/2016							
11/3/2016							
11/9/2016			16.1				
11/10/2016	12.6	1.54			1.86		
11/11/2016				2.5			
1/17/2017							
1/18/2017							
1/20/2017							
1/30/2017				2.01	2.86		
1/31/2017	16.5	1.34	5.68				
2/21/2017						31.7 (D)	
2/22/2017							54.7 (D)
3/24/2017							
3/27/2017						31.9 (D)	
3/28/2017							
3/29/2017							
3/30/2017		1.31	25.2				
4/3/2017	16.6			6.26			
4/7/2017					2.34		46.8 (D)
5/24/2017							
6/6/2017							
6/7/2017							

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2021							
3/11/2021							
3/12/2021							
3/16/2021	26.7					32.4	53.7
3/17/2021			40.4	5.4	1.4		
3/29/2021		19					
8/4/2021							
8/5/2021							
8/6/2021						33	
8/9/2021	31.5	19.4	41	1.7	1.5		
8/10/2021							56.5
1/31/2022							
2/1/2022	34.1		48		1.5		
2/2/2022		22.6		0.93 (J)		32.6	
2/3/2022							57.7
8/10/2022							
8/11/2022							
8/12/2022							
8/16/2022	37.9	22.2	39.5		1.6	32	
8/17/2022				3.8			54.7
2/13/2023							
2/14/2023						31.4	
2/16/2023	51.6		60.5	0.81 (J)	1.4		
2/17/2023		22.4					59.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
3/11/2016	3.8282	1.1313	1.4538						
3/14/2016				4.2598					
3/15/2016					6.4987	4.9347	1.2104		
3/16/2016								2.8721	
3/22/2016									2.3685
3/23/2016									
3/28/2016									
5/11/2016				6.05			1.28		
5/12/2016						2.3			
5/13/2016	3.56	1.96			3.68				
5/16/2016			1.18					2.27 (D)	
5/19/2016									2.14
5/20/2016									
5/23/2016									
5/25/2016									
7/19/2016	5.6	1.3		9.5					
7/20/2016						2			
7/21/2016					4.5		0.91 (J)		
7/22/2016			1.8						
7/25/2016								2.6 (D)	
7/27/2016									
7/29/2016									1.9
8/1/2016									
9/15/2016				6.7		1.1			
9/16/2016	6.7	1.1							
9/19/2016			1.4				1.3	2.8 (D)	
9/21/2016					2.8				
9/22/2016									
9/23/2016									2
9/26/2016									
11/2/2016	8.1	1.2		5.4					
11/3/2016			1.6		6.7	1.6	1.5	2.6 (D)	
11/9/2016									1.6
11/10/2016									
11/11/2016									
1/17/2017			<1 (*)		<1 (*)		<1 (*)		
1/18/2017	8.9	0.84 (J)		5.5		1.5			
1/20/2017								2.8 (D)	
1/30/2017									1.8
1/31/2017									
2/21/2017									
2/22/2017									
3/24/2017						1.6	0.86 (J)		
3/27/2017			2		0.85 (J)				
3/28/2017	8.2	0.7 (J)		2.9					
3/29/2017								3.1 (D)	
3/30/2017									1.6
4/3/2017									
4/7/2017									
5/24/2017							1.2		
6/6/2017	7	0.47 (J)			6.1	4.1			
6/7/2017			1.9	2.3				3.2	

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
6/8/2017									
6/9/2017									1.7
6/12/2017									
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017	8.3	0.59 (J)							
9/25/2017					3.5	1.9			
9/26/2017			2	3.2			4.2		
9/27/2017								2.5	
9/29/2017									
10/2/2017									1.8
10/3/2017									
10/4/2017									
12/28/2017							7.4 (Y)		
3/14/2018		0.39 (J)	2.1	3.8	10.9 (J)	11.5	3.8		
3/15/2018	5.1							2.9	
3/16/2018									1.5
3/19/2018									
3/21/2018									
9/12/2018	5.6	0.3 (J)		3.7	3.7	1.8	1.7		
9/13/2018								2.3	
9/14/2018			1.6						
9/17/2018									1.3 (D)
9/18/2018									
3/13/2019	4.4	0.43 (X)					2.1		
3/14/2019			2.2		8.9	6.2		4.3 (D)	
3/15/2019				3					
3/19/2019									
3/20/2019									1.5
3/21/2019									
9/9/2019				2.4			1.6		
9/10/2019			1.2		8.4	1.2			
9/11/2019	5	<1						2.6 (D)	
9/12/2019									0.98 (J)
9/13/2019									
3/6/2020			1.7			10			
3/9/2020	3.9	<1		0.84 (J)	8.5		1.2		
3/10/2020								5.2	
3/11/2020									0.94 (J)
3/12/2020									
9/10/2020			0.95 (J)	0.95 (J)	5.9	1.7			
9/11/2020		<1					1.3	2.8	
9/14/2020	4.9								
9/15/2020									0.96 (J)
9/16/2020									
9/17/2020									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWA-1 (bg)
3/10/2021					8.4		1.5		
3/11/2021	4.3	<1	1.6			6.1		4.2	
3/12/2021				2					
3/16/2021									0.99 (J)
3/17/2021									
3/29/2021									
8/4/2021			1.4	1.3	6.4	1.7	1.4		
8/5/2021	2.9								
8/6/2021		<1						4	
8/9/2021									1.3
8/10/2021									
1/31/2022	2.5	<1	1.1	1.2	8.5	1.8	1.2		
2/1/2022								6.1	0.93 (J)
2/2/2022									
2/3/2022									
8/10/2022	2.5		1	1.3					
8/11/2022		<1			4.7	1.9			
8/12/2022							1.2	3.6	
8/16/2022									0.78 (J)
8/17/2022									
2/13/2023	2.5		1.6	1.7	10.2	6	1.4		
2/14/2023		<1						10.1	
2/16/2023									1.1
2/17/2023									

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2016							
3/14/2016							
3/15/2016							
3/16/2016							
3/22/2016							
3/23/2016	26.8249	0.8724 (J)	105.552				
3/28/2016				0.9594 (J)	0.7283 (J)		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						2.4 (D)	
5/19/2016	3.81						
5/20/2016			44.3				
5/23/2016		0.805 (J)			0.728 (J)		
5/25/2016				1.59			
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/25/2016							
7/27/2016						3.6 (D)	
7/29/2016	1.1	0.84 (J)	48				
8/1/2016				1	0.78 (J)		
9/15/2016							
9/16/2016							
9/19/2016							
9/21/2016							
9/22/2016	0.96 (J)	0.94 (J)					
9/23/2016			43				
9/26/2016				1.2	0.82 (J)		
11/2/2016							
11/3/2016							
11/9/2016			31				
11/10/2016	0.72 (J)	1.1			0.92 (J)		
11/11/2016				1.2			
1/17/2017							
1/18/2017							
1/20/2017							
1/30/2017				<1	<1		
1/31/2017	1.5	0.92 (J)	4.2				
2/21/2017						26 (D)	
2/22/2017							22 (D)
3/24/2017							
3/27/2017						10 (D)	
3/28/2017							
3/29/2017							
3/30/2017		0.77 (J)	53				
4/3/2017	1.3			1.3			
4/7/2017					0.82 (J)		18 (D)
5/24/2017							
6/6/2017							
6/7/2017							

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
6/8/2017						6.7 (D)	
6/9/2017	1.2						
6/12/2017		0.68 (J)	95	1.1	0.78 (J)		
6/14/2017							20 (D)
7/12/2017							18 (D)
7/17/2017						6.4 (D)	
7/20/2017							20 (D)
7/27/2017						18 (D)	
7/28/2017							18 (D)
8/9/2017						18 (D)	19 (D)
8/24/2017							21 (D)
9/22/2017							
9/25/2017							
9/26/2017							
9/27/2017							
9/29/2017						21 (D)	
10/2/2017	1.7		3.5	1.1	0.71 (J)		
10/3/2017							25 (D)
10/4/2017		0.5 (J)					
12/28/2017							26 (Y)
3/14/2018							
3/15/2018							
3/16/2018	14.8 (J)			0.87 (J)	0.67 (J)	15.5	
3/19/2018		0.49 (J)	147				
3/21/2018							25.4
9/12/2018							
9/13/2018							
9/14/2018	2.1		7.7			11.6	
9/17/2018		0.36 (J)			0.47 (J)		
9/18/2018				0.87 (J)			22.8
3/13/2019							
3/14/2019						9.3	
3/15/2019							
3/19/2019	32.5 (J)			0.97 (J)	0.52 (J)		
3/20/2019		0.38 (J)	3.6				
3/21/2019							24.9 (D)
9/9/2019							
9/10/2019						14	
9/11/2019							
9/12/2019			5.2	0.8 (J)			16.5 (D)
9/13/2019	3.8	<1			0.55 (J)		
3/6/2020							
3/9/2020						5.8	
3/10/2020							
3/11/2020	34.3	<1	131	0.85 (J)	<1		
3/12/2020							20.8
9/10/2020							
9/11/2020							
9/14/2020							
9/15/2020	1		35.3	0.54 (J)			
9/16/2020					<1	8.6	
9/17/2020							20.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2021							
3/11/2021							
3/12/2021							
3/16/2021	3.3					3.5	22.1
3/17/2021			90.7	0.86 (J)	<1		
3/29/2021		5.4					
8/4/2021							
8/5/2021							
8/6/2021						4.2	
8/9/2021	1.6	5	84.7	0.77 (J)	<1		
8/10/2021							20.7
1/31/2022							
2/1/2022	1.5		86.1		<1		
2/2/2022		3.4		0.53 (J)		4.5	
2/3/2022							20.7
8/10/2022							
8/11/2022							
8/12/2022							
8/16/2022	7.8	3.5	58.5		<1	4.5	
8/17/2022				0.55 (J)			18.1
2/13/2023							
2/14/2023						6.3	
2/16/2023	38.9		115	0.58 (J)	<1		
2/17/2023		2.5					21.2

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-1 (bg)	GWA-2R (bg)
3/11/2016	144	69	139						
3/14/2016				106					
3/15/2016					78	110	107		
3/22/2016								150	
3/23/2016									174
3/28/2016									
4/4/2016									
5/11/2016				58			80		
5/12/2016						49			
5/13/2016	142	88			178				
5/16/2016			112						
5/19/2016								150	93
5/20/2016									
5/23/2016									
5/25/2016									
5/31/2016									
7/19/2016	135	56		46					
7/20/2016						72			
7/21/2016					168		76		
7/22/2016			136						
7/27/2016									
7/29/2016								146	68
8/1/2016									
8/4/2016									
9/15/2016				41		18 (J)			
9/16/2016	144	31							
9/19/2016			121				108		
9/21/2016					123				
9/22/2016									91
9/23/2016								163	
9/26/2016									
9/29/2016									
11/2/2016	152	48		37					
11/3/2016			132		157	70	90		
11/9/2016								147	
11/10/2016									96
11/11/2016									
11/28/2016									
1/17/2017			150		170		128		
1/18/2017	125	44		29		63			
1/30/2017								127	
1/31/2017									206
2/9/2017									
2/21/2017									
2/22/2017									
3/24/2017						63	91		
3/27/2017			148		158				
3/28/2017	109	<25		40					
3/30/2017								137	
4/3/2017									118
4/7/2017									
4/12/2017									

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWA-1 (bg)	GWA-2R (bg)
5/24/2017							152		
6/6/2017	154	36			212	128			
6/7/2017			181						
6/8/2017									
6/9/2017								164	87
6/12/2017									
6/14/2017									
6/16/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017	157	41			145	109			
9/25/2017									
9/26/2017			113	107			103		
9/29/2017									
10/2/2017								137	73
10/3/2017									
10/4/2017									
10/9/2017									
3/14/2018		<25	134	126	210	192	123		
3/15/2018	117								
3/16/2018								140	130
3/19/2018									
3/21/2018									
9/12/2018	151	<25		134	159	82	105		
9/14/2018			139						103
9/17/2018								162	
9/18/2018									
9/19/2018									
3/13/2019	152	31					130		
3/14/2019			157		157	119			
3/15/2019				107					
3/19/2019									208
3/20/2019								175	
3/21/2019									
3/23/2019									
9/9/2019				93			108		
9/10/2019			105		113	36			
9/11/2019	151	21							
9/12/2019								174	
9/13/2019									113
9/18/2019									
3/6/2020			143			137			
3/9/2020	174	51		58	249		131		
3/11/2020								172	170
3/12/2020									
3/13/2020									
9/10/2020			120	16	111	35			

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2016							
3/14/2016							
3/15/2016							
3/22/2016							
3/23/2016	<25	259					
3/28/2016			<25	46			
4/4/2016					156		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						114 (D)	
5/19/2016							
5/20/2016		122					
5/23/2016	<25		32				
5/25/2016				57			
5/31/2016					192		
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/27/2016						107 (D)	
7/29/2016	17 (J)	156					
8/1/2016			<25	<25			
8/4/2016					269		
9/15/2016							
9/16/2016							
9/19/2016							
9/21/2016							
9/22/2016	33						
9/23/2016		150					
9/26/2016			45	60			
9/29/2016					288		
11/2/2016							
11/3/2016							
11/9/2016		87					
11/10/2016	41		38				
11/11/2016				13 (J)			
11/28/2016					224		
1/17/2017							
1/18/2017							
1/30/2017			<25	<25			
1/31/2017	58	63					
2/9/2017					386		
2/21/2017						229 (D)	
2/22/2017							329 (D)
3/24/2017							
3/27/2017						239 (D)	
3/28/2017							
3/30/2017	<25	112					
4/3/2017				100			
4/7/2017			18 (J)				295 (D)
4/12/2017					254		

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
5/24/2017							
6/6/2017							
6/7/2017							
6/8/2017						179 (D)	
6/9/2017							
6/12/2017	20 (J)	216	15 (J)	51			
6/14/2017							237 (D)
6/16/2017					309		
7/12/2017							400 (D)
7/17/2017						180 (D)	
7/20/2017							203 (D)
7/27/2017						190 (D)	
7/28/2017							262 (D)
8/9/2017						153 (D)	195 (D)
8/24/2017							236 (D)
9/22/2017							
9/25/2017							
9/26/2017							
9/29/2017						173 (D)	
10/2/2017		<25	17 (J)	32			
10/3/2017							224 (D)
10/4/2017	<25						
10/9/2017					269		
3/14/2018							
3/15/2018							
3/16/2018			<25	<25		150	
3/19/2018	<25	295					
3/21/2018					211		237
9/12/2018							
9/14/2018		30				165	
9/17/2018	32		38				
9/18/2018				15 (J)			227
9/19/2018					222		
3/13/2019							
3/14/2019						154	
3/15/2019							
3/19/2019			34	48			
3/20/2019	30	49					
3/21/2019							367 (D)
3/23/2019					135		
9/9/2019							
9/10/2019						181	
9/11/2019							
9/12/2019		44		46			200 (D)
9/13/2019	19		19				
9/18/2019					200		
3/6/2020							
3/9/2020						173	
3/11/2020	24	309	17	24			
3/12/2020							247
3/13/2020					143		
9/10/2020							

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 3/27/2023 4:15 PM View: Appendix III Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
9/11/2020							
9/14/2020							
9/15/2020		28		12			
9/16/2020			20			156	
9/17/2020							223
9/22/2020					176		
3/10/2021							
3/11/2021							
3/12/2021							
3/16/2021						142	196
3/17/2021		211	<25	31			
3/18/2021					82		
3/29/2021	76						
8/4/2021							
8/5/2021							
8/6/2021						133	
8/9/2021	95	207	14	<25			
8/10/2021							238
8/11/2021					131		
1/31/2022							
2/1/2022		202	21				
2/2/2022	104			15		143	
2/3/2022							243
2/17/2022					119		
8/10/2022							
8/11/2022							
8/12/2022							
8/16/2022	85	182	<25			125	
8/17/2022				18 (J)			226
8/18/2022					132		
2/13/2023							
2/14/2023						149 (J)	
2/16/2023		267 (J)	<25	<25			
2/17/2023	117 (J)						252 (J)
2/22/2023					1020		

FIGURE J.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

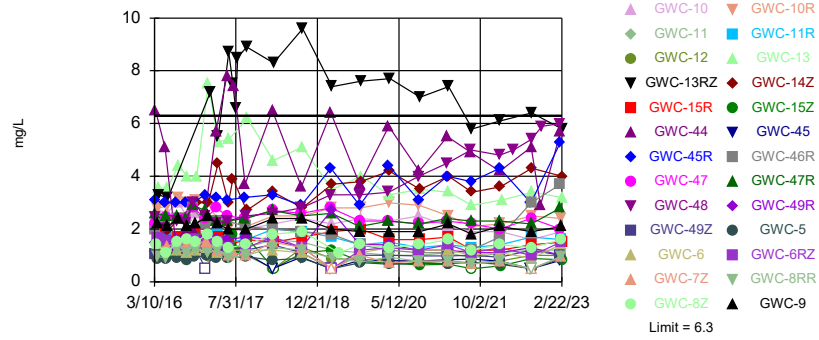
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/31/2023, 12:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	6.3	n/a	2/20/2023	1.9	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	6.3	n/a	2/20/2023	2.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	6.3	n/a	2/20/2023	1.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	6.3	n/a	2/21/2023	0.99J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	6.3	n/a	2/22/2023	3.2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	6.3	n/a	2/22/2023	5.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	6.3	n/a	2/22/2023	4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	6.3	n/a	2/22/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	6.3	n/a	2/22/2023	0.83J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	6.3	n/a	2/14/2023	5.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	6.3	n/a	2/14/2023	0.81J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	6.3	n/a	2/14/2023	5.3	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	6.3	n/a	2/14/2023	3.7	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	6.3	n/a	2/14/2023	2	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	6.3	n/a	2/14/2023	2.8	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	6.3	n/a	2/14/2023	6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	6.3	n/a	2/14/2023	1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	6.3	n/a	2/20/2023	0.88J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	6.3	n/a	2/17/2023	1.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	6.3	n/a	2/17/2023	1.5	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	6.3	n/a	2/20/2023	0.94J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	6.3	n/a	2/21/2023	0.97J	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	6.3	n/a	2/20/2023	1.6	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	6.3	n/a	2/21/2023	2.1	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	4.73	2/20/2023	5.39	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	4.73	2/20/2023	7.08	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	4.73	2/20/2023	5.52	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	4.73	2/20/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	4.73	2/21/2023	6.18	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	2/22/2023	6.96	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	4.73	2/22/2023	7.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	4.73	2/22/2023	5.97	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	4.73	2/22/2023	7.32	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	4.73	2/22/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.73	2/14/2023	3.95	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.73	2/14/2023	4.26	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	4.73	2/14/2023	6.71	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	4.73	2/14/2023	7.49	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	4.73	2/14/2023	7.2	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	4.73	2/14/2023	7.38	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	2/14/2023	4.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	4.73	2/14/2023	7.75	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	4.73	2/14/2023	5.15	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	4.73	2/20/2023	5.78	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	4.73	2/17/2023	7.11	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	4.73	2/17/2023	6.41	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	4.73	2/20/2023	7.4	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	4.73	2/21/2023	7.88	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	4.73	2/20/2023	6.87	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.73	2/21/2023	4.59	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

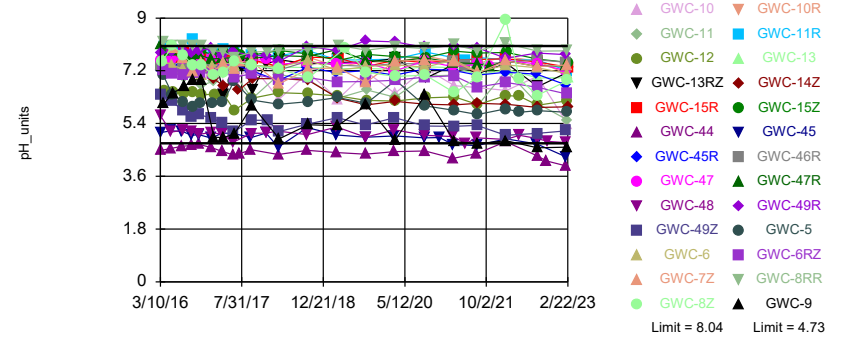


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 300 background values. 2.667% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Chloride, Total Analysis Run 3/31/2023 12:21 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-44, GWC-45, GWC-9

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 310 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 26 points to limit.

Constituent: pH Analysis Run 3/31/2023 12:21 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47R	GWC-46R	GWC-48	GWA-42 (bg)	GWA-43R (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)
3/27/2019									
5/6/2019									
9/9/2019								1.2	
9/10/2019					2				1.7
9/11/2019		2.1	1.4	3.3		3.1	1.3		
9/12/2019	2.3								
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020					2.7				
3/9/2020	2.3	2.3		3.4		2.2	1.2	1.2	1.3
3/10/2020			1.2						
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020					2			1.2	1.4
9/11/2020							1.3		
9/14/2020	2.2		1.1	4		3.3			
9/15/2020		2.2							
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021									1.6
3/11/2021	2.3	2.4	1.1	4.5	2.5	2.7	1.3		
3/12/2021								1.2	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021				5	2.3			1.1	1.3
8/5/2021	2.2	2.3	1.2			1.9			
8/6/2021							1.3		
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
1/31/2022			1.7	4.8	2	1.7	1.1	1	1
2/1/2022	2	2.3							
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022				5					
8/10/2022					1.8	1.7		0.93 (J)	
8/11/2022							1.4		1.4

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	1.2	1.6	2	3 (D)					
11/4/2016					1 (D)		1.6		
11/7/2016						1.4			
11/9/2016								2	
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									1.5
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	1								
1/18/2017		1.5							
1/19/2017			2.6						
1/20/2017				3.3 (D)					
1/23/2017					1.2 (D)				
1/24/2017						<1 (*)	1.7		
1/30/2017								1.5	
1/31/2017									
2/1/2017									
2/3/2017									1.8
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	1.2	1.4							
3/27/2017									
3/28/2017			5.7						
3/29/2017				3.2 (D)	1.1 (D)		1.6		
3/30/2017						1.2		1.8	
4/3/2017									
4/6/2017									
4/7/2017									1.5
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017	1.5								
6/5/2017			7.8						
6/6/2017		2.8							
6/7/2017				3.1	1				
6/8/2017							1.6		
6/9/2017						1.1		1.6	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
6/12/2017									
6/13/2017									1.3
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017			7.4						
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017		1.8							
9/26/2017	2.4		3.7						
9/27/2017				3.2	1.1				
9/29/2017						1.2	1.7		
10/2/2017								1.6	
10/3/2017									1.4
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	3.9 (Y)								
3/14/2018	2.4	3							
3/15/2018			6.5	3.3	<1	1.4	1.6		
3/16/2018								1.7	
3/19/2018									
3/20/2018									1.8
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	1	1.4	3.6						
9/13/2018				2.9	0.93		1.3		
9/14/2018						1.1			
9/17/2018								1.55 (D)	
9/18/2018									1.9
9/19/2018									
9/20/2018									
3/13/2019	2.2								
3/14/2019		2.6	6.4	4.3 (D)	<1 (D)				
3/15/2019									
3/18/2019							2.7		
3/19/2019						<1			
3/20/2019								<1	
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
3/27/2019									
5/6/2019									1.1
9/9/2019	0.83 (X)								
9/10/2019		1.1							
9/11/2019			3.7	2.9 (D)	0.81 (JXD)	1	1.4		
9/12/2019								1.3	
9/13/2019									
9/16/2019									1.4
9/17/2019									
9/18/2019									
3/6/2020		1.3							
3/9/2020	1.5					1			
3/10/2020			5.9	4.4	0.8 (J)				
3/11/2020							1.4	1.4	
3/12/2020									
3/13/2020									
3/16/2020									1.3
3/17/2020									
9/10/2020		1.2							
9/11/2020	0.77 (J)			3.1	0.79 (J)		1.2		
9/14/2020						0.98 (J)			
9/15/2020			4.2					1.3	
9/16/2020									
9/17/2020									1.4
9/21/2020									
9/22/2020									
3/10/2021	0.97 (J)								
3/11/2021		1.5	5.5	4	0.83 (J)				
3/12/2021									
3/15/2021						0.98 (J)	1.2		
3/16/2021								1.3	
3/17/2021									
3/18/2021									1.6
3/19/2021									
3/29/2021									
8/4/2021	0.82 (J)	1.2	4.9						
8/5/2021						1			
8/6/2021				3.8	0.86 (J)				
8/9/2021								1.3	
8/10/2021									1.2
8/11/2021							1.1		
8/12/2021									
1/31/2022	0.71 (J)	1	4.2						
2/1/2022				4.3	0.79 (J)	0.93 (J)	1.1	1.2	
2/2/2022									1.4
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022		1.3							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41 (bg)	GWC-44	GWC-45R	GWC-45	GWC-49Z	GWC-49R	GWA-1 (bg)	GWC-8Z
8/12/2022	<1			3	<1				
8/15/2022			5.1			1.2	1.3		
8/16/2022								0.99 (J)	
8/17/2022									1.3
8/18/2022									
8/19/2022									
10/11/2022			2.9 (R)						
10/21/2022									
2/13/2023	1.1	1.6							
2/14/2023			5.7	5.3	0.81 (J)	1	1		
2/16/2023								1.2	
2/17/2023									
2/20/2023									1.6
2/21/2023									
2/22/2023									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	2.4904	1.6092	0.9079						
3/28/2016				1.14	0.9204	0.8659			
3/29/2016							1.3977	1.6645	
3/30/2016									0.9409
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			0.9136						
5/20/2016	1.71								
5/23/2016		1.52		1.19					
5/24/2016							1.33	1.58	0.92
5/25/2016					1.04	0.8639			
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	2	1.5	1.1						
8/1/2016				1.2	0.85	0.93	1.2	1.4	
8/2/2016									1.2
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016		1.4	1						
9/23/2016	1.8								
9/26/2016				1.1	0.87		1.1	1.4	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
9/27/2016						0.8			1.1
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	1.6								
11/10/2016		1.6	1.2	1.3					
11/11/2016					0.99	0.95			
11/14/2016								1.6	
11/18/2016							1.2		
11/21/2016									
11/22/2016									1.2
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017				1.2	0.95				
1/31/2017	1.3	1.6	1.2			0.99			
2/1/2017							1.3	1.4	
2/3/2017									
2/6/2017									1.1
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	1.6	1.4							
4/3/2017			0.99		0.88	0.93			
4/6/2017							1.1	1.5	1.2
4/7/2017				1.2					
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			0.87						

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
6/12/2017	1.6	1.4		1.1	0.83	0.91			
6/13/2017							1.2	1.3	
6/14/2017									0.92
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	0.94		1	1.2	0.94				
10/3/2017						0.95	1.2	1.3	
10/4/2017		1.5							1
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017									
3/14/2018									
3/15/2018									
3/16/2018			1.6	1.4	<1				
3/19/2018	1.9	1.5				0.82	1.2		
3/20/2018								1.7	
3/21/2018									1.3
3/22/2018									
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018	0.98		0.92						
9/17/2018		1.5		1.1		0.9	1.1	1.3	
9/18/2018					1				1.2
9/19/2018									
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019			2	<1	<1				
3/20/2019	<1	<1				<1			
3/21/2019							<1	<1	
3/22/2019									
3/23/2019									
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-8RR
8/12/2022									
8/15/2022									
8/16/2022	1.1	2.5	0.82 (J)	0.69 (J)		<1			
8/17/2022					<1		0.89 (J)	0.99 (J)	<1
8/18/2022									
8/19/2022									
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023	1.6		1.9	0.91 (J)	0.71 (J)				
2/17/2023		6.3					1.4	1.5	
2/20/2023						0.88 (J)			
2/21/2023									0.97 (J)
2/22/2023									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13RZ	GWC-13	GWC-15R
6/12/2017									
6/13/2017	2								
6/14/2017		1.9	2			0.89			
6/15/2017				1.2	1.5				1.4
6/16/2017							8.7	5.4	
7/12/2017							7.5		
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017							6.6		
8/9/2017									
8/10/2017							8.5		
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017									
10/3/2017	2								
10/4/2017		2	2.1	1.3	1.6	1			
10/5/2017									
10/6/2017							8.9		1.6
10/9/2017								6.2	
12/28/2017									
3/14/2018									
3/15/2018									
3/16/2018									
3/19/2018									
3/20/2018	2.4	2.2							
3/21/2018			2.5	1.6				4.6	
3/22/2018					2	<1			
3/23/2018							8.3		1.5
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018									
9/18/2018	2.4 (D)	2.4	2.5	1.5	1.9	1.3			
9/19/2018								5.1	1.7
9/20/2018							9.6		
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019	2								
3/22/2019		2.2	2.8				7.4		
3/23/2019				1.2	1.7	0.88		3.5	
3/25/2019									1.9

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13RZ	GWC-13	GWC-15R
8/12/2022									
8/15/2022									
8/16/2022									
8/17/2022	1.9	1.6							
8/18/2022			2.5 (J)	1.2	1.7	1		3.4	
8/19/2022							6.4		1.4
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023									
2/20/2023		1.9	2.4	1.2	1.6				
2/21/2023	2.1					0.99 (J)			
2/22/2023							5.8	3.2	1.5

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016	1.93	0.9439			
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			1.74 (D)		
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016		1		1.33	
6/1/2016	1.93				
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016			2.1 (D)		
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016				1.5	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016	2.4				
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/27/2016				1.4	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				1.5	
11/22/2016					
11/23/2016		1.7			
11/28/2016	3				
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017				1.5	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017	3				
2/10/2017		1.6			
2/13/2017					
2/21/2017			4 (D)		
2/22/2017					3.7 (D)
3/24/2017					
3/27/2017			2.6 (D)		
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017				1.2	
4/7/2017					2.5 (D)
4/10/2017					
4/11/2017	4.5	1.5			
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017			2.1 (D)		
6/9/2017					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
6/12/2017					
6/13/2017				0.98	
6/14/2017	3				2.6 (D)
6/15/2017		1			
6/16/2017					
7/12/2017	3.9	1.8			2.8 (D)
7/14/2017				1.1	
7/17/2017			1.9 (D)		
7/20/2017					2.3 (D)
7/26/2017		1.2			
7/27/2017			3 (D)		
7/28/2017					2 (D)
8/9/2017			2.5 (D)		1.8 (D)
8/10/2017					
8/24/2017					2.9 (D)
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017			2.7 (D)		
10/2/2017					
10/3/2017				1	2.8 (D)
10/4/2017					
10/5/2017	2.7				
10/6/2017		1.7			
10/9/2017					
12/28/2017					
3/14/2018					
3/15/2018					
3/16/2018			2.6		
3/19/2018					
3/20/2018				1.5	
3/21/2018					2.9
3/22/2018	3.4				
3/23/2018		<1			
9/12/2018					
9/13/2018					
9/14/2018			1.9		
9/17/2018					
9/18/2018				1.3	3.1
9/19/2018	2.8	1.1			
9/20/2018					
3/13/2019					
3/14/2019			2.8		
3/15/2019					
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019				<1	3.6 (D)
3/22/2019	3.7	1.2			
3/23/2019					
3/25/2019					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019			2.3		
9/11/2019					
9/12/2019					2.1 (D)
9/13/2019				1	
9/16/2019					
9/17/2019	3.8	0.78 (X)			
9/18/2019					
3/6/2020					
3/9/2020			1.5		
3/10/2020					
3/11/2020					
3/12/2020				0.72 (J)	2.3
3/13/2020	4.2	0.7 (J)			
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020			1.7	0.79 (J)	
9/17/2020					2.4
9/21/2020	3.5	0.64 (J)			
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021			1.3		2.7
3/17/2021				0.79 (J)	
3/18/2021	4	0.67 (J)			
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021					
8/6/2021			1.3		
8/9/2021					
8/10/2021				0.68 (J)	2.8
8/11/2021	3.4	<1			
8/12/2021					
1/31/2022					
2/1/2022					
2/2/2022			1.5	0.76 (J)	
2/3/2022					2.6
2/4/2022	3.6				
2/7/2022		0.6 (J)			
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-15Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/12/2022					
8/15/2022					
8/16/2022			1.6		
8/17/2022				<1	2.6
8/18/2022	4.3				
8/19/2022		0.88 (J)			
10/11/2022					
10/21/2022					
2/13/2023					
2/14/2023			1.6		
2/16/2023					
2/17/2023					3
2/20/2023				0.94 (J)	
2/21/2023					
2/22/2023	4	0.83 (J)			

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/11/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/19/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/8/2017									
8/9/2017									
8/10/2017									
8/23/2017									
8/24/2017									
9/22/2017					7.8	5.77			
9/25/2017									6.63
9/26/2017							7.59	7.05	
9/27/2017		7.62	7.55						
9/29/2017	5.06			7.42					
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	5.07 (Y)		7.59 (Y)		7.78 (Y)			6.79 (Y)	
12/29/2017									
1/9/2018									
1/10/2018									
3/14/2018						5.85	7.6	7.42	7.08
3/15/2018	5.14		7.42	7.22	7.66				
3/16/2018		7.72							
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018					7.75	5.65		6.86	6.54
9/13/2018	5.02	7.68	7.49	7.52					
9/14/2018							7.37		
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019					7.84	5.63			
3/14/2019							7.57		6.58
3/15/2019	5.28		7.45					6.78	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)
3/18/2019				7.39					
3/19/2019		7.93							
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019								6.49	
9/10/2019							7.53		5.66
9/11/2019	4.93	7.55		7.36	7.75	5.53			
9/12/2019			7.48						
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020							7.42		6.82
3/9/2020	5.18	7.51	7.19		7.73	5.5		5.9	
3/10/2020				7.44					
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020							7.48	5.53	6.4
9/11/2020						6.25			
9/14/2020	5		7.54	7.43	7.76				
9/15/2020		7.64							
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
12/15/2020									
3/10/2021									
3/11/2021	4.95	7.48	7.34	7.53	7.81	5.55	7.53		6.8
3/12/2021								6.39	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
5/26/2021	4.72			7.39					
8/4/2021	4.91						7.35	6.21	6.34
8/5/2021		7.45	7.41	7.44	7.75				
8/6/2021						5.52			
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021		7.36	7.34						

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWA-41R (bg)	GWC-45R	GWC-45	GWC-44	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	7.13	7.4	7.52		4.69				
11/4/2016				5.02			7.89		
11/7/2016						5.71			
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016								7.4	
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	7.51	7.06							
1/18/2017									
1/19/2017					4.58				
1/20/2017			7.3						
1/23/2017				4.9					
1/24/2017						5.58	7.97		
1/30/2017									7.64
1/31/2017									
2/1/2017									
2/3/2017								7.05	
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	7.55								
3/27/2017		7.13							
3/28/2017					4.45				
3/29/2017			7.29	5.08			7.71		
3/30/2017						5.44			7.51
4/3/2017									
4/6/2017									
4/7/2017								7.14	
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017	7.6								
6/5/2017					4.33				
6/6/2017		7.18							
6/7/2017			7.43	5.06					
6/8/2017							7.86		
6/9/2017						5.11			7.6

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWC-5	GWA-50R (bg)	GWC-6	GWC-6RZ	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	7.45	5.96	6.7						
3/28/2016				6.22	7.04	6.45			
3/29/2016							7.54	7.24	
3/30/2016									8.2
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	7.5								
5/20/2016			6.36						
5/23/2016		5.73		5.86					
5/24/2016							7.39	7.1	8.07
5/25/2016					6.39	6.96			
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	7.59	5.51	6.75						
8/1/2016				6.39	6.13	5.64	7.26	7.07	
8/2/2016									8.07
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	7.44	5.45							
9/23/2016			6.62						
9/26/2016				5.74		6.26	7.19	7.15	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10R	GWC-10	GWC-11R	GWC-13	GWC-11	GWC-12	GWC-15Z	GWC-15R
1/31/2022									
2/1/2022									
2/2/2022	4.81						6.35		
2/3/2022									
2/4/2022		7.69	6.53	7.58		7.2			7.61
2/7/2022								7.83	
2/17/2022					7.24				
4/28/2022							6.33		
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									
8/17/2022	4.57		7.01						
8/18/2022		7.52		7.57	6.95	6.08	6.03		
8/19/2022								7.6	7.5
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023									
2/20/2023		7.08	5.39	7.2		5.52			
2/21/2023	4.59						6.18		
2/22/2023					6.96			7.49	7.32

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016				8.56 (o)	
4/5/2016			10.61 (o)		
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016	7.61 (D)				
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016		7.98			
6/1/2016			10.32 (o)	9.83 (o)	
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	7.51 (D)				
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016		7.64			
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016			8.23 (o)		
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
9/27/2016		7.18			
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016		7.49			
11/22/2016					
11/23/2016					
11/28/2016			7.29		
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017		7.2			
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017			6.91		
2/10/2017					
2/13/2017					
2/21/2017	7.76 (D)				
2/22/2017				7.38 (D)	7.45
3/24/2017					
3/27/2017	7.7 (D)				
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017		7.42			
4/7/2017				7.35 (D)	
4/10/2017					
4/11/2017			6.68		6.37
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	7.69 (D)				
6/9/2017					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
6/12/2017					
6/13/2017		7.25			
6/14/2017			6.84	7.3 (D)	
6/15/2017					
6/16/2017					7.33
7/11/2017				7.39	
7/12/2017			6.54	7.39 (D)	7.46
7/14/2017		7.5			
7/17/2017	7.57 (D)				
7/19/2017				7.44	
7/20/2017				7.44 (D)	
7/26/2017	7.63				
7/27/2017	7.63			7.5	7.37
7/28/2017				7.5	7.37
8/8/2017	7.73			7.52	
8/9/2017	7.73			7.52	7.38
8/10/2017					7.38
8/23/2017				7.5	
8/24/2017				7.5	
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	7.7 (D)				
10/2/2017					
10/3/2017		7.5		7.51 (D)	
10/4/2017					
10/5/2017			6.93		
10/6/2017					6.55
10/9/2017					
12/28/2017				7.32 (Y)	7.43 (Y)
12/29/2017					
1/9/2018					
1/10/2018					
3/14/2018					
3/15/2018					
3/16/2018	7.49				
3/19/2018					
3/20/2018		6.76			
3/21/2018				7.3	
3/22/2018			6.93		
3/23/2018					7.58
9/12/2018					
9/13/2018					
9/14/2018	7.32				
9/17/2018					
9/18/2018		7.26		7.26	
9/19/2018			6.88		
9/20/2018					7.43
3/13/2019					
3/14/2019	7.46				
3/15/2019					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019		7.3		7.28 (D)	
3/22/2019			6.27		7.49
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019	7.48				
9/11/2019					
9/12/2019				7.2 (D)	
9/13/2019		6.8			
9/16/2019					
9/17/2019			6.04		
9/18/2019					7.5
3/6/2020					
3/9/2020	7.68				
3/10/2020					
3/11/2020					
3/12/2020		7.53		7.55	
3/13/2020			6.16		
3/16/2020					
3/17/2020					7.62
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020	7.68	7.56			
9/17/2020				7.42	
9/21/2020			6.06		
9/22/2020					6.95
12/15/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021	7.85			7.4	
3/17/2021		7.52			
3/18/2021			6.04		
3/19/2021					7.42
3/29/2021					
5/26/2021					
8/4/2021					
8/5/2021					
8/6/2021	7.09				
8/9/2021					
8/10/2021		7.13		7.2	
8/11/2021			6.09		
8/12/2021					7.11
10/28/2021					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 3/31/2023 12:24 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWA-4RZ (bg)	GWC-13RZ
1/31/2022					
2/1/2022					
2/2/2022	6.89	7.54			
2/3/2022				7.2	
2/4/2022			6.06		7.46
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022					
8/16/2022	7.45				
8/17/2022		7.34		6.49	
8/18/2022			5.95		
8/19/2022					6.66
10/11/2022					
10/21/2022					
2/13/2023					
2/14/2023	7.48				
2/16/2023					
2/17/2023				6.98	
2/20/2023		7.4			
2/21/2023					
2/22/2023			5.97		7.15

FIGURE K.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP

Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium, total (mg/L)	GWA-1 (bg)	0.7099	85	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2 (bg)	3.025	34	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2R (bg)	3.533	94	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39RZ (bg)	0.009273	3	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-39Z (bg)	0.1302	6	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-3A (bg)	0.1539	22	74	No	19	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-40 (bg)	-0.2282	-27	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41 (bg)	0.4269	22	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-41R (bg)	0.07606	5	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-42 (bg)	1.166	118	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43 (bg)	-1.324	-127	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-43R (bg)	0.5773	83	87	No	21	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4RZ (bg)	1.477	83	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50 (bg)	-0.1015	-76	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-50R (bg)	-0.5529	-84	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWC-45R	1.944	112	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.02937	-92	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2 (bg)	-0.01046	-15	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08025	-96	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39RZ (bg)	-0.03559	-68	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39Z (bg)	-0.04078	-28	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-3A (bg)	-0.01772	-7	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.07	-98	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41 (bg)	-0.04957	-47	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.09802	-91	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-42 (bg)	-0.03284	-68	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1449	-132	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43R (bg)	-0.007213	-29	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-4RZ (bg)	-0.03583	-82	-118	No	26	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1017	-117	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.1457	-94	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05445	-105	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.05745	-129	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-9	-0.2073	-105	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-1 (bg)	-0.1981	-142	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2 (bg)	3.418	24	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-2R (bg)	0.477	49	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39RZ (bg)	-0.9006	-42	-81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-39Z (bg)	-0.7464	-121	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-3A (bg)	0.05533	10	74	No	19	10.53	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-40 (bg)	0.01668	13	87	No	21	4.762	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41 (bg)	0.04258	20	81	No	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-41R (bg)	0.5682	62	81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-42 (bg)	-0.03222	-18	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43 (bg)	-0.01969	-36	-81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-43R (bg)	-0.6329	-88	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-4RZ (bg)	0.1435	21	87	No	21	0	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50 (bg)	0.03359	52	81	No	20	40	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWA-50R (bg)	-0.0917	-105	-81	Yes	20	5	n/a	n/a	0.01	NP
Sulfate, total (mg/L)	GWC-45R	0.3351	90	81	Yes	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-1 (bg)	1.275	24	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2 (bg)	6.246	8	81	No	20	5	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-2R (bg)	5.089	42	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ (bg)	-7.475	-59	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z (bg)	0.5237	7	74	No	19	0	n/a	n/a	0.01	NP

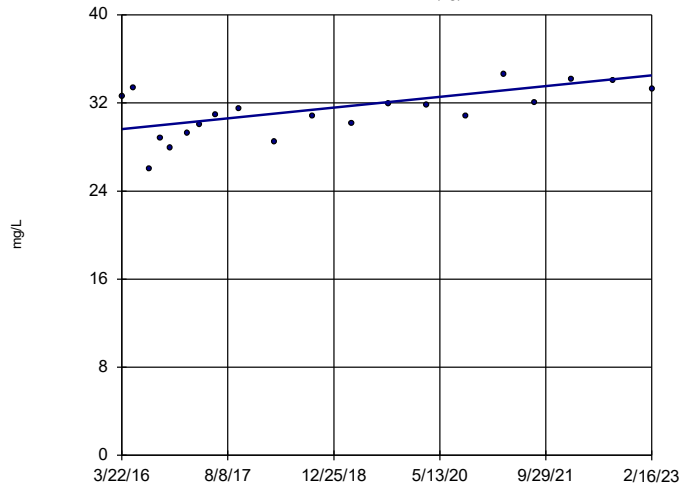
Appendix III Trend Tests - Prediction Limit Exceedances - All Results Page 2

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 3/27/2023, 4:25 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-3A (bg)	9.481	67	74	No	19	26.32	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-40 (bg)	0.9167	10	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41 (bg)	2.151	19	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-41R (bg)	1.424	20	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-42 (bg)	0.8627	11	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43 (bg)	-4.009	-86	-81	Yes	20	15	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-43R (bg)	-1.172	-12	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ (bg)	-4.716	-29	-81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50 (bg)	-0.9754	-37	-81	No	20	35	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWA-50R (bg)	-3.458	-62	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids [TDS] (mg/l)	GWC-13	-22.1	-65	-81	No	20	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-1 (bg)

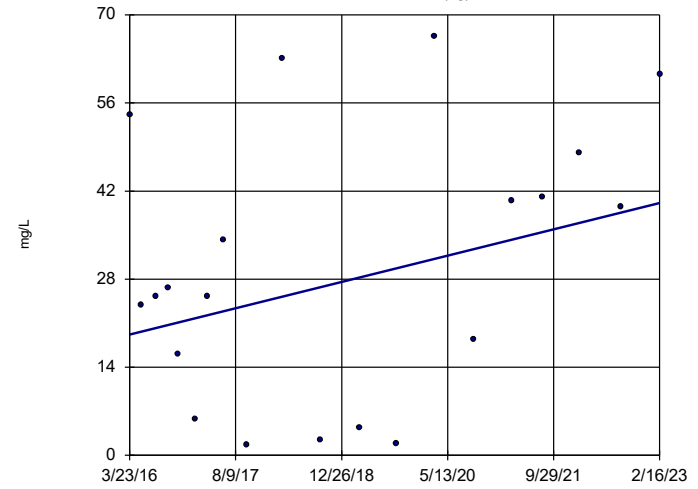


n = 20
 Slope = 0.7099
 units per year.
 Mann-Kendall
 statistic = 85
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

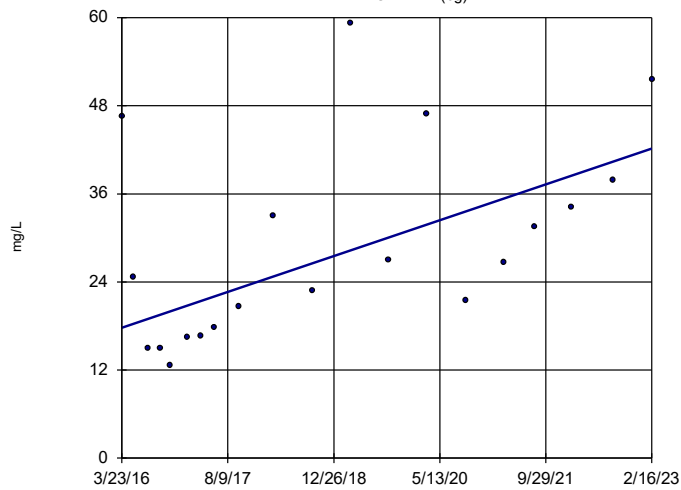


n = 20
 Slope = 3.025
 units per year.
 Mann-Kendall
 statistic = 34
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

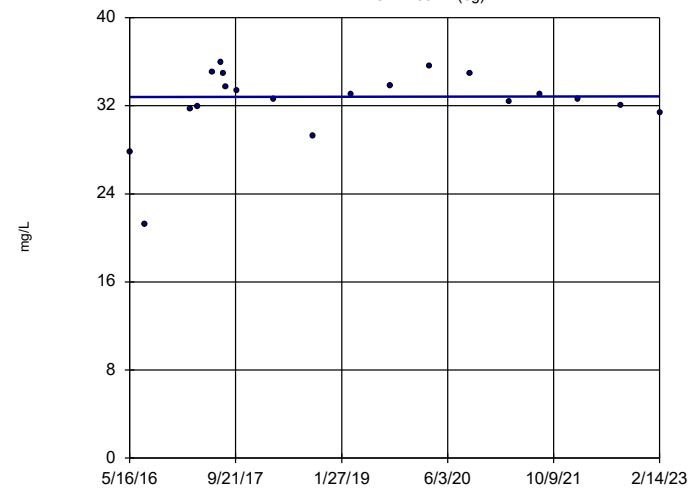


n = 20
 Slope = 3.533
 units per year.
 Mann-Kendall
 statistic = 94
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

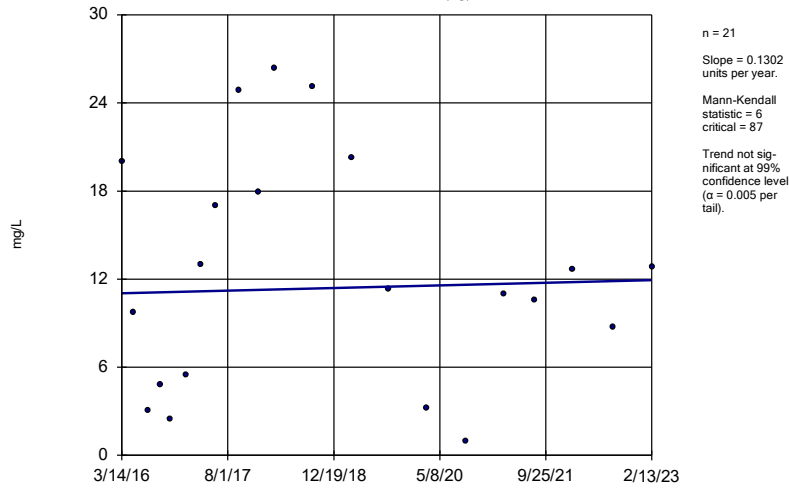


n = 20
 Slope = 0.009273
 units per year.
 Mann-Kendall
 statistic = 3
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

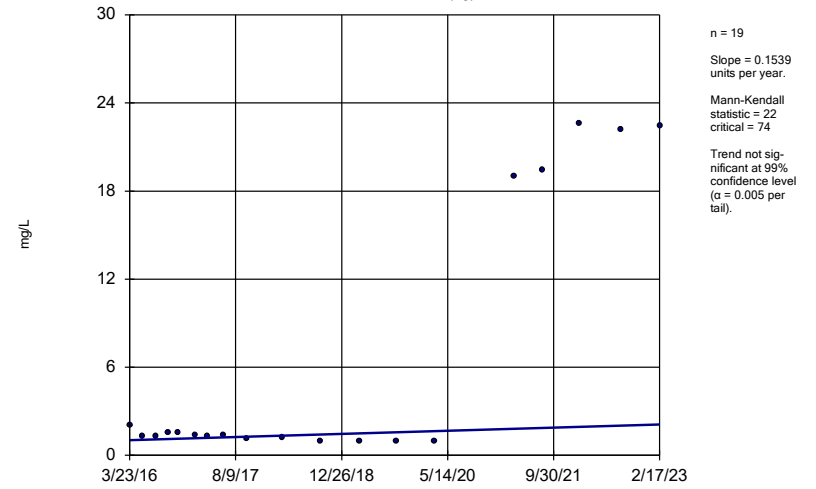
GWA-39Z (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

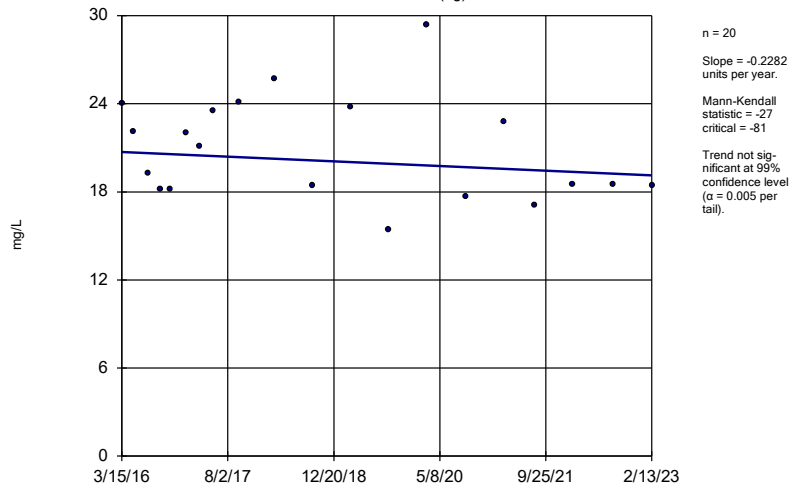
GWA-3A (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

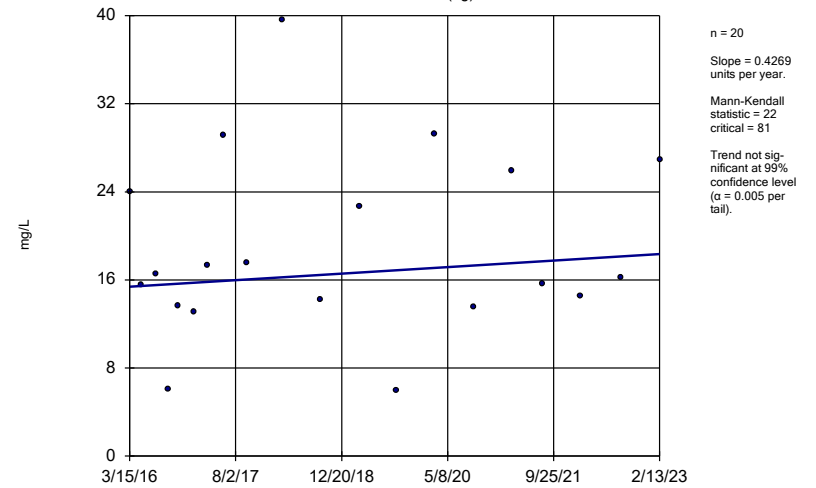
GWA-40 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

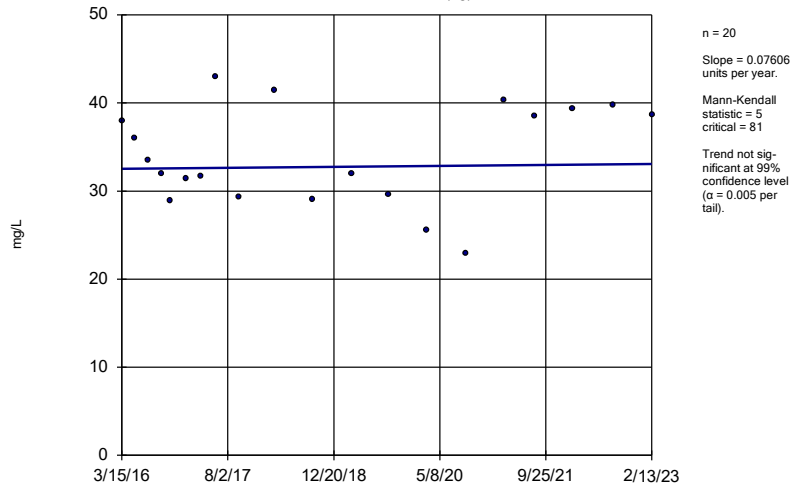
GWA-41 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

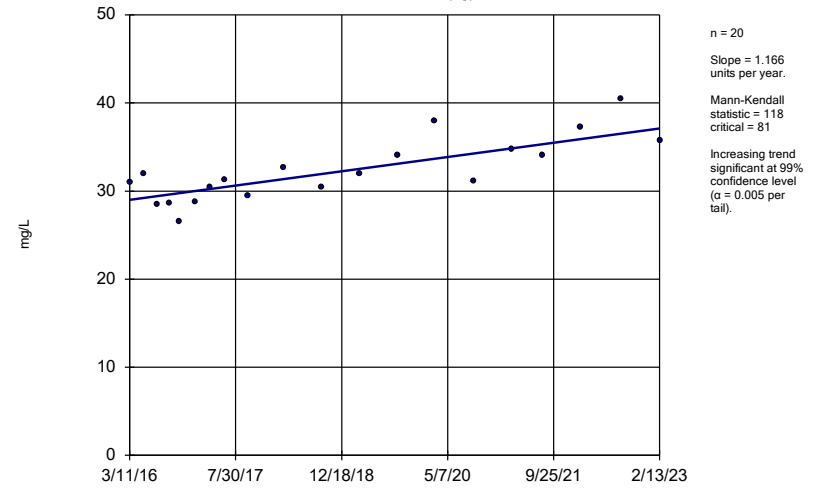
GWA-41R (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

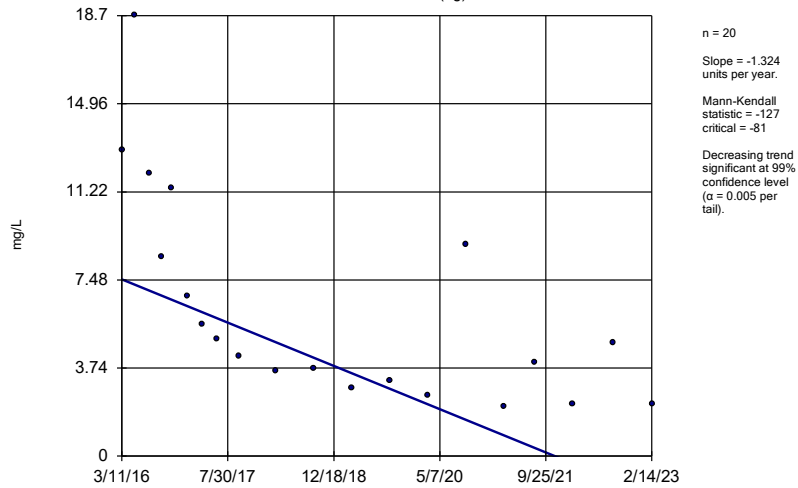
GWA-42 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

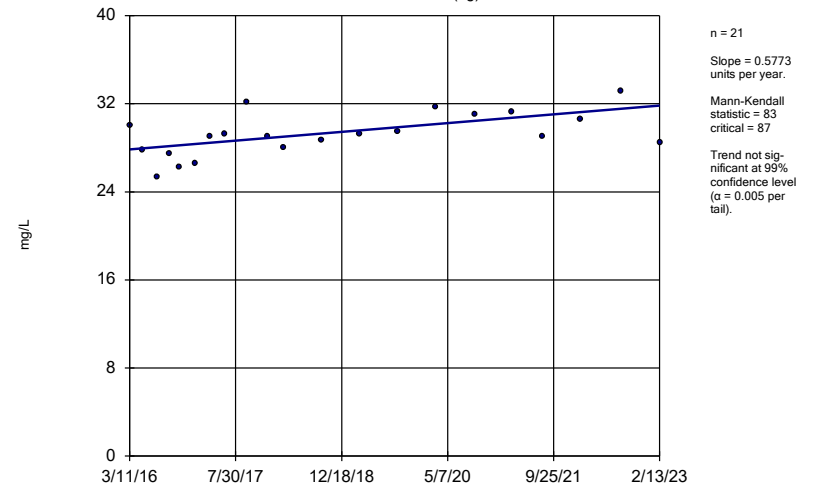
GWA-43 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

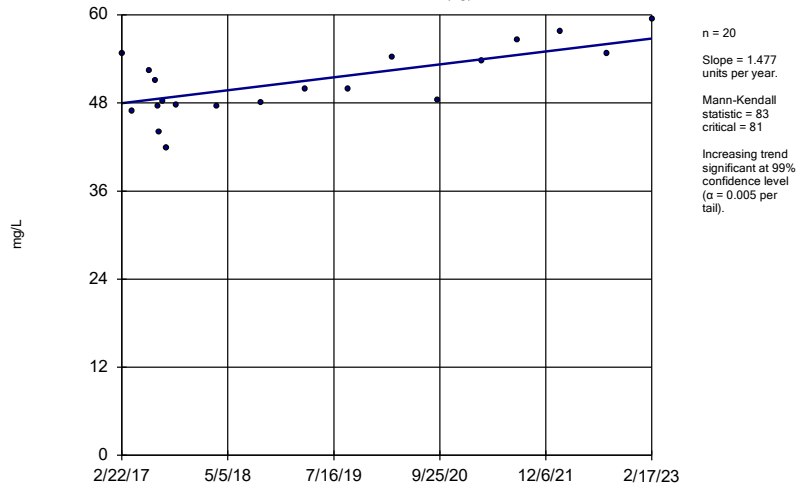
GWA-43R (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

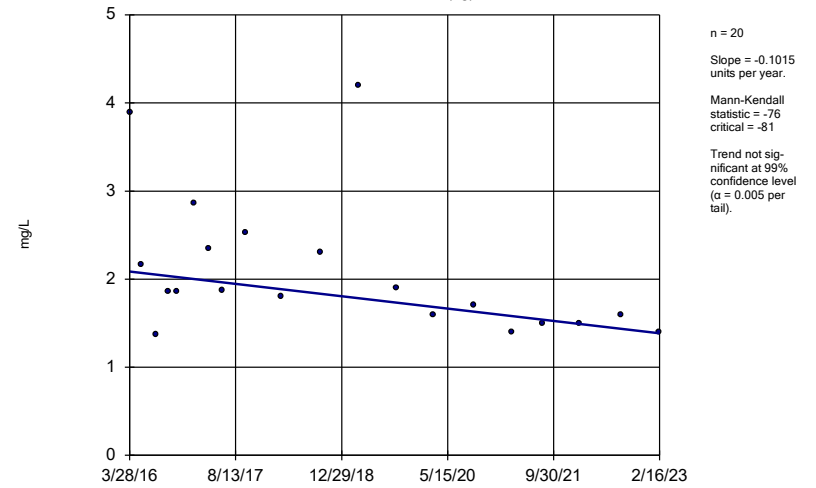
GWA-4RZ (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

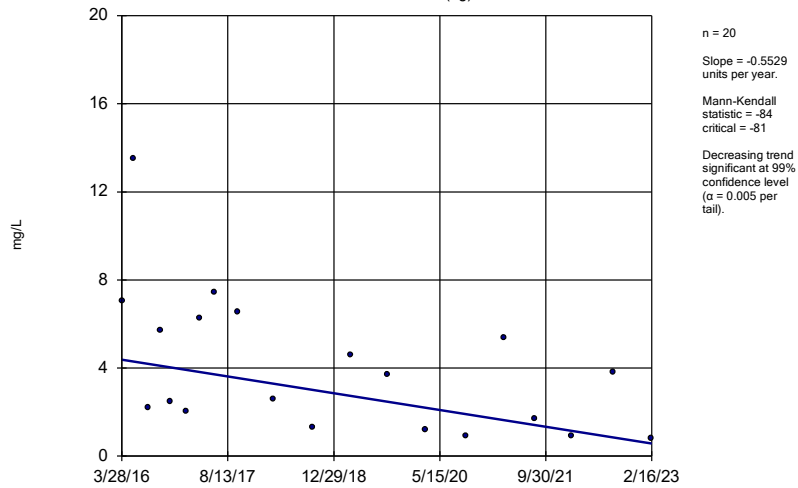
GWA-50 (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

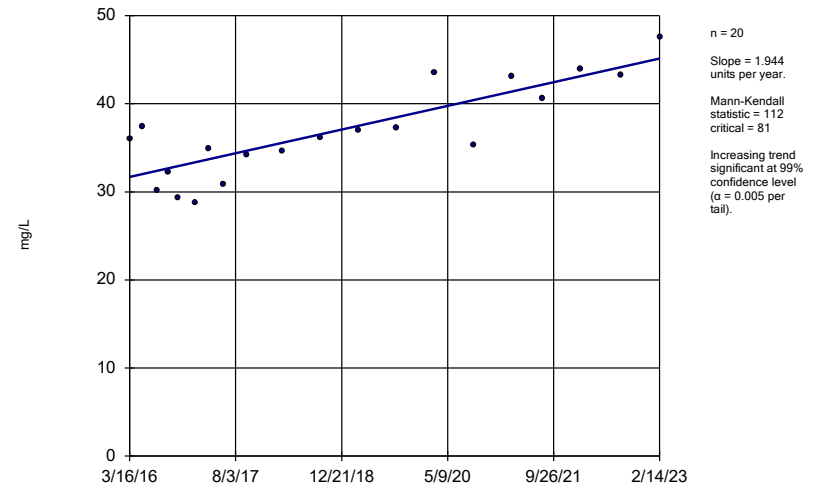
GWA-50R (bg)



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

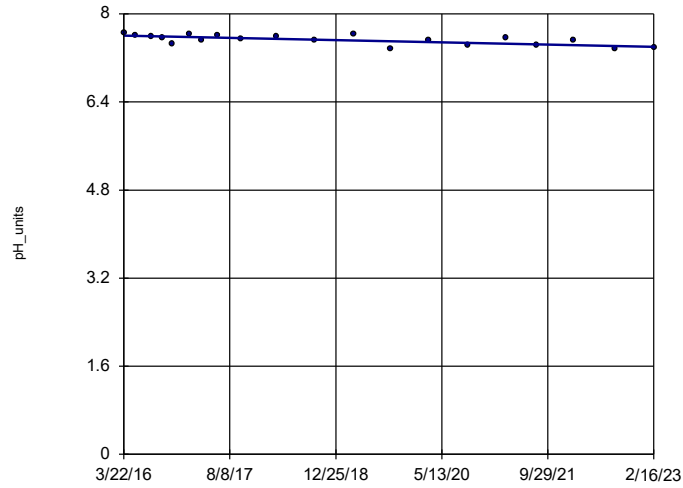
GWC-45R



Constituent: Calcium, total Analysis Run 3/27/2023 4:22 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

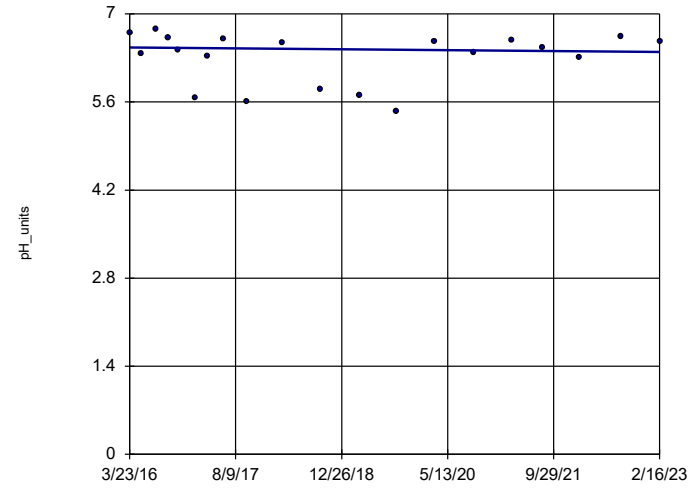


n = 20
 Slope = -0.02937
 units per year.
 Mann-Kendall
 statistic = -92
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

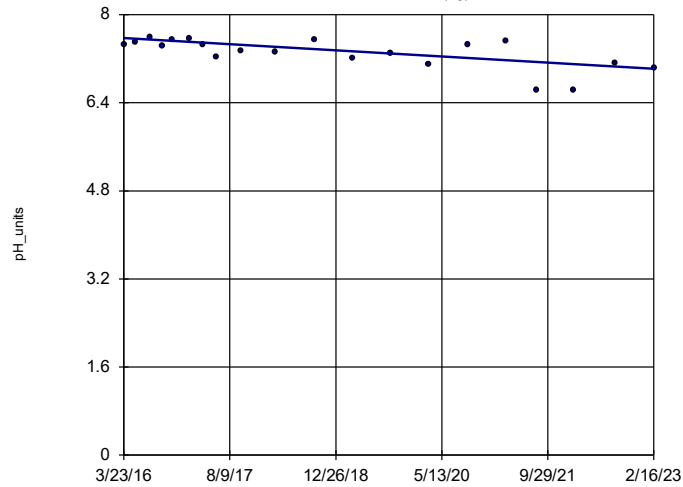


n = 20
 Slope = -0.01046
 units per year.
 Mann-Kendall
 statistic = -15
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

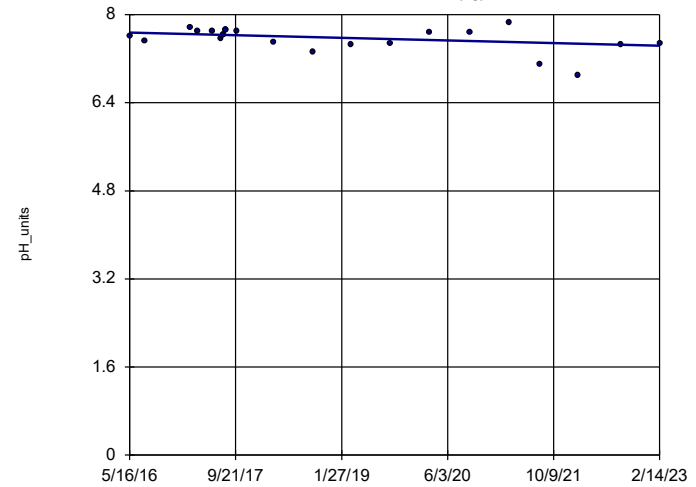


n = 20
 Slope = -0.08025
 units per year.
 Mann-Kendall
 statistic = -96
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

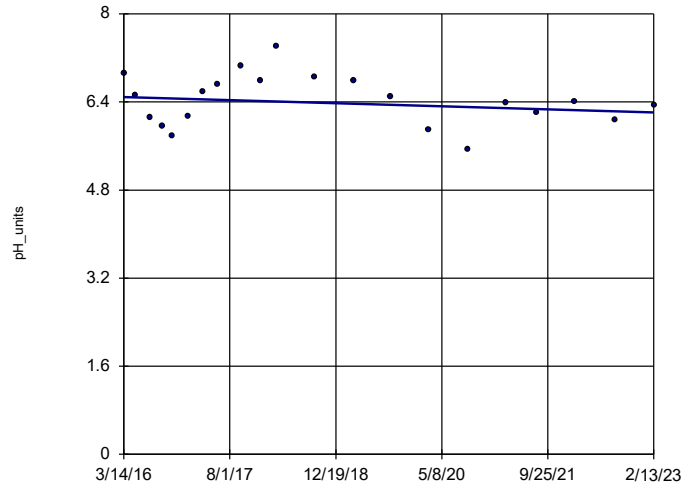


n = 22
 Slope = -0.03559
 units per year.
 Mann-Kendall
 statistic = -68
 critical = -92
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

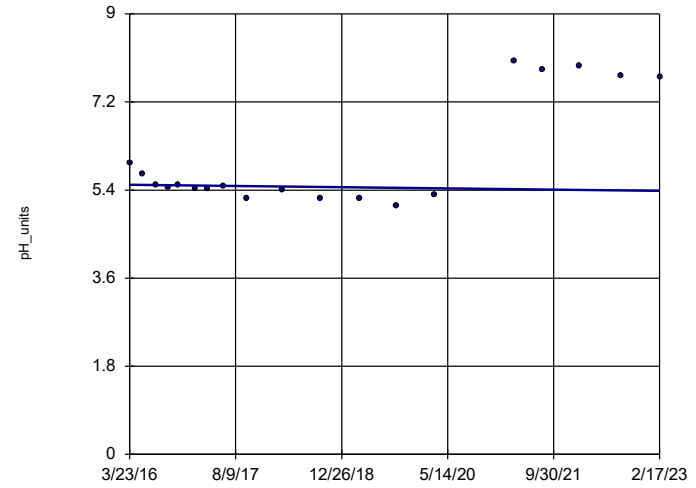


n = 21
 Slope = -0.04078
 units per year.
 Mann-Kendall
 statistic = -.28
 critical = -.87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

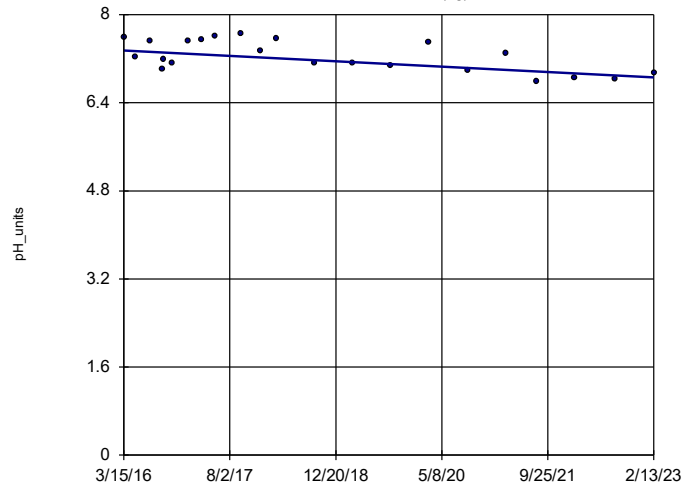


n = 19
 Slope = -0.01772
 units per year.
 Mann-Kendall
 statistic = -.7
 critical = -.74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

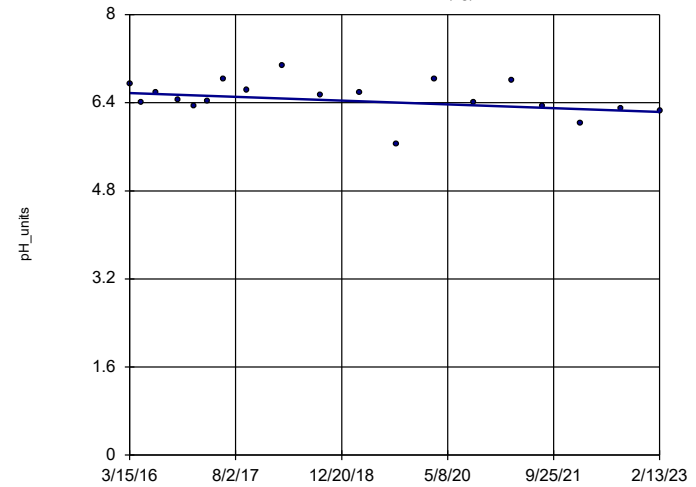


n = 22
 Slope = -0.07
 units per year.
 Mann-Kendall
 statistic = -.98
 critical = -.92
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

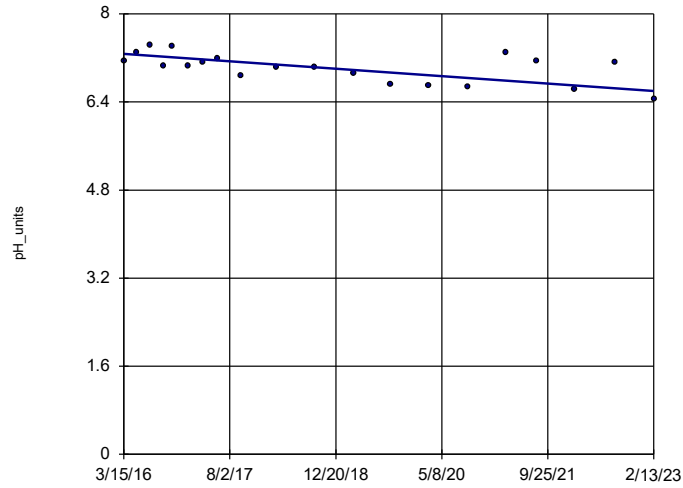


n = 19
 Slope = -0.04957
 units per year.
 Mann-Kendall
 statistic = -.47
 critical = -.74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

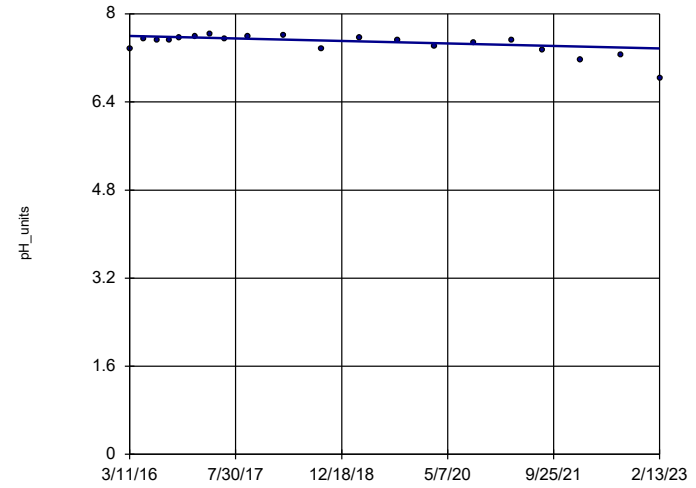


n = 20
Slope = -0.09802
units per year.
Mann-Kendall
statistic = -91
critical = -81
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

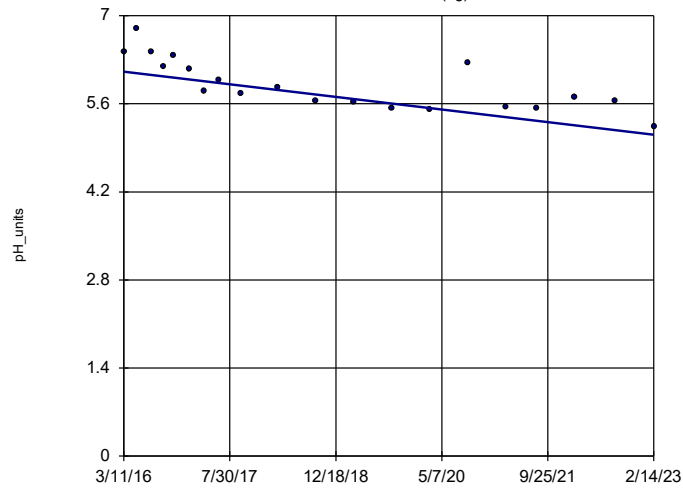


n = 20
Slope = -0.03284
units per year.
Mann-Kendall
statistic = -68
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

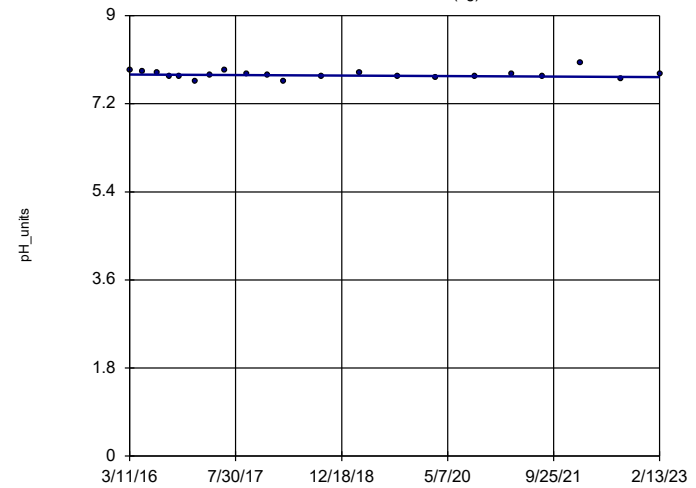


n = 20
Slope = -0.1449
units per year.
Mann-Kendall
statistic = -132
critical = -81
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43R (bg)

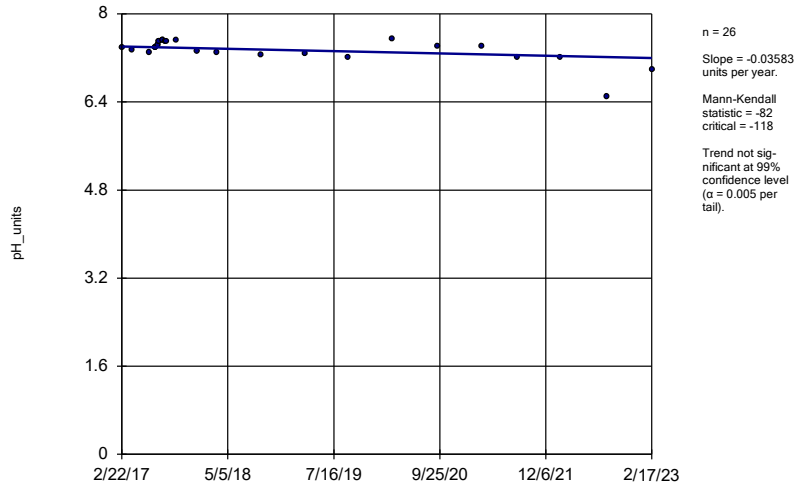


n = 21
Slope = -0.007213
units per year.
Mann-Kendall
statistic = -29
critical = -87
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

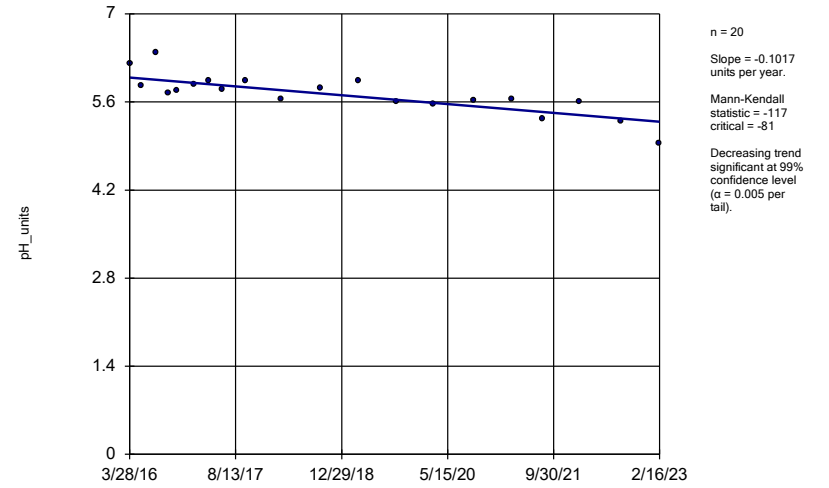
GWA-4RZ (bg)



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

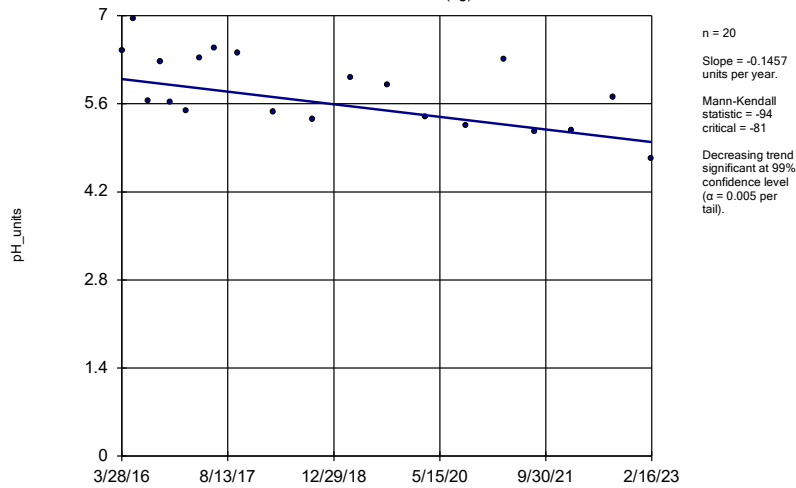
GWA-50 (bg)



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

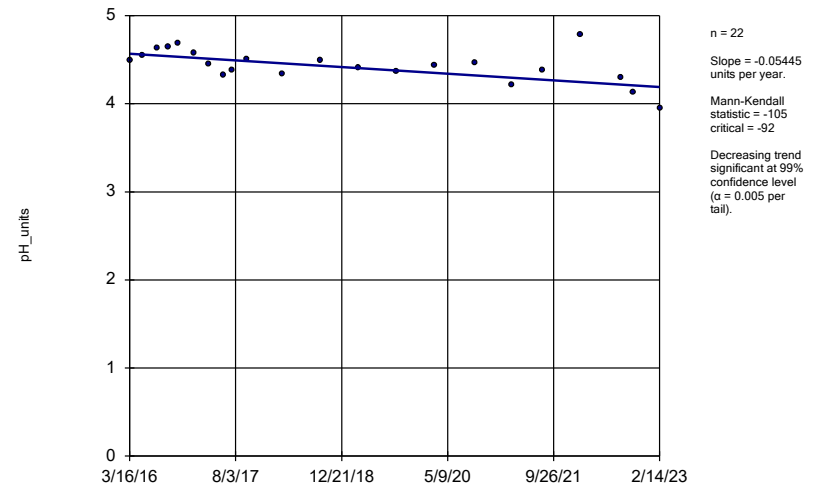
GWA-50R (bg)



Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

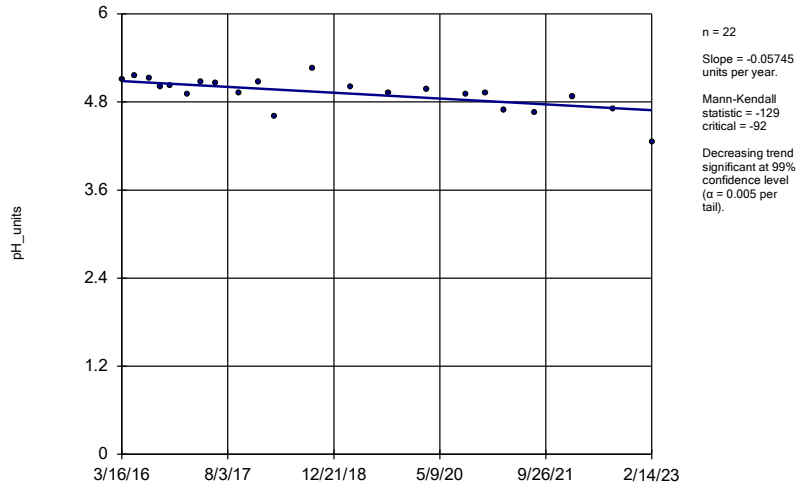
Sen's Slope Estimator

GWC-44



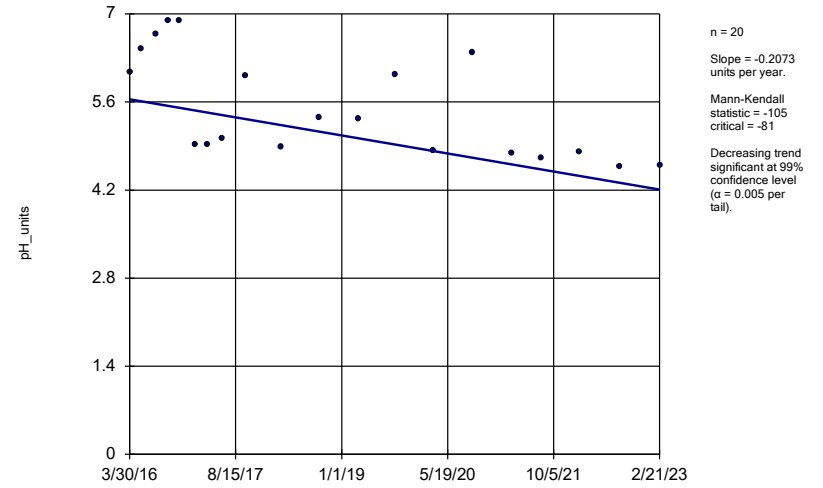
Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator
GWC-45



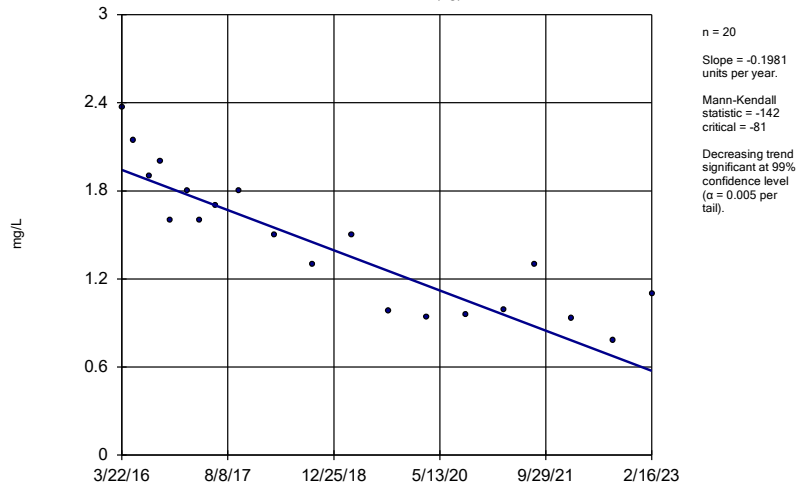
Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator
GWC-9



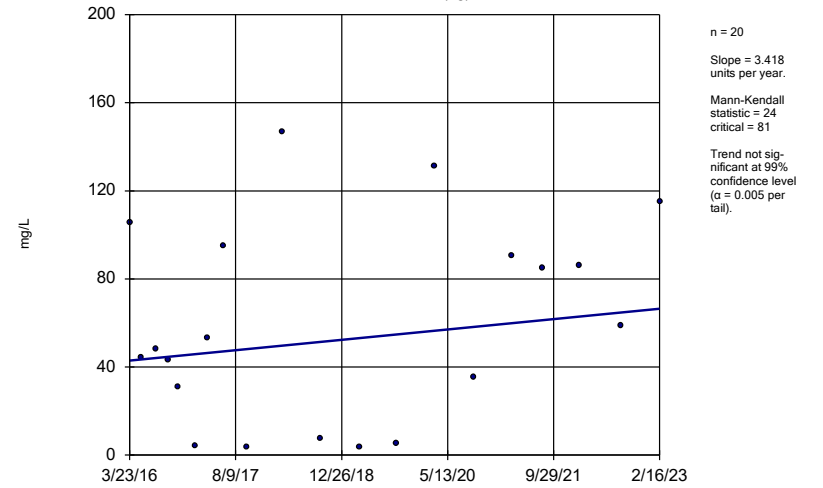
Constituent: pH Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator
GWA-1 (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

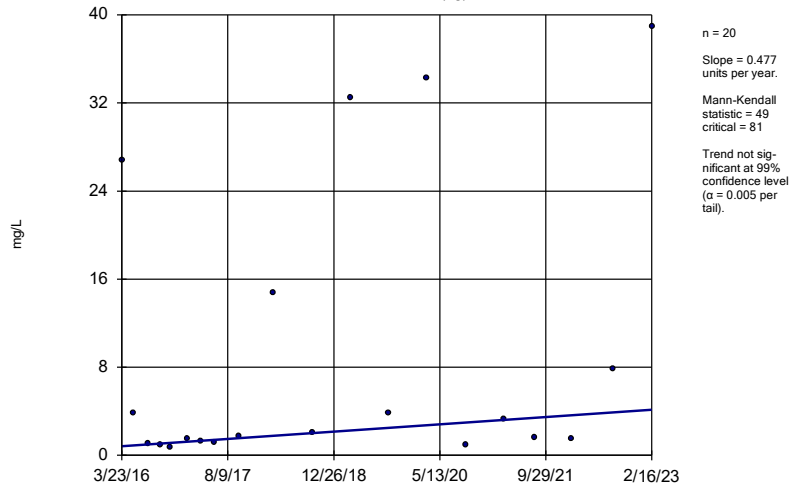
Sen's Slope Estimator
GWA-2 (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

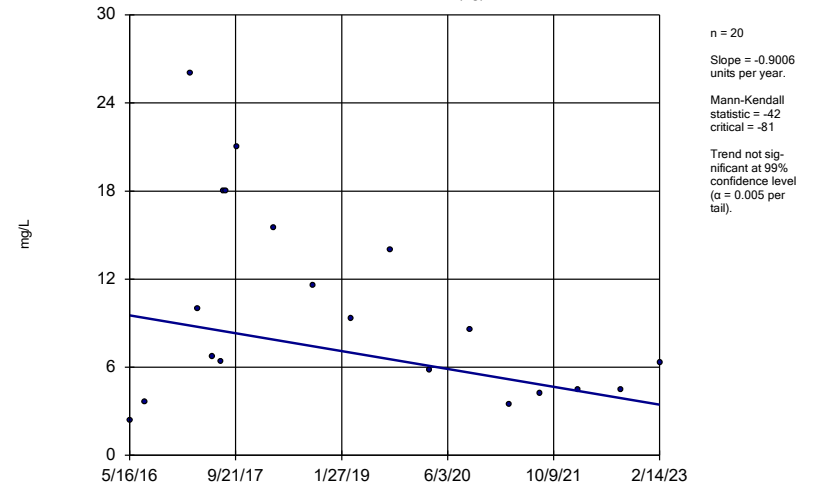
GWA-2R (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

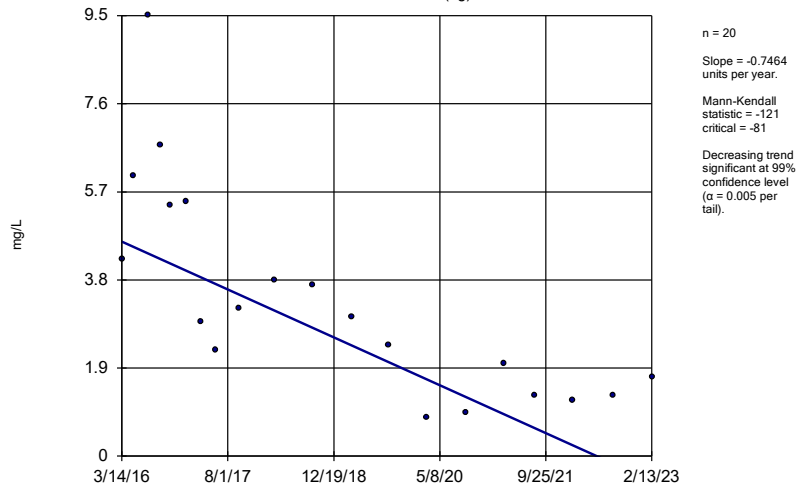
GWA-39RZ (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

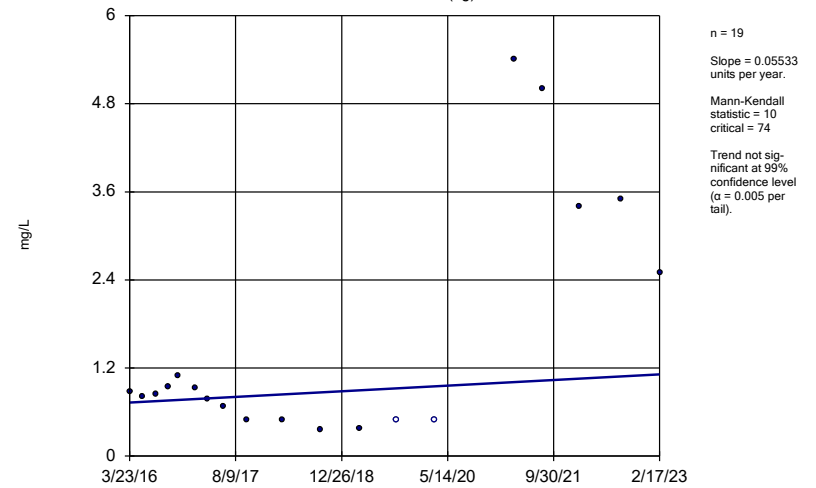
GWA-39Z (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

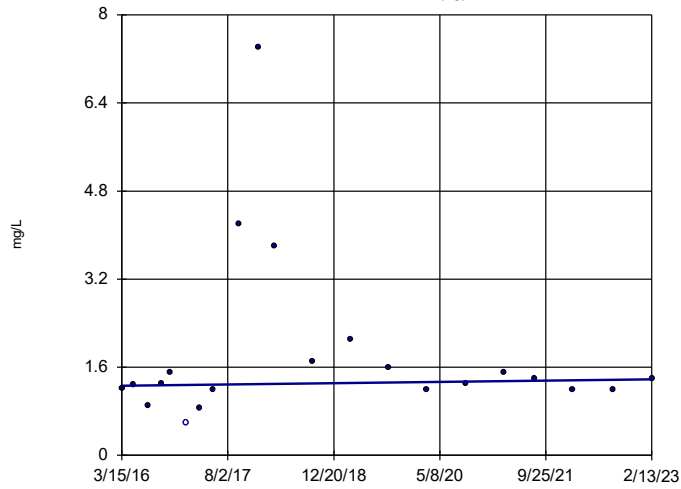
GWA-3A (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

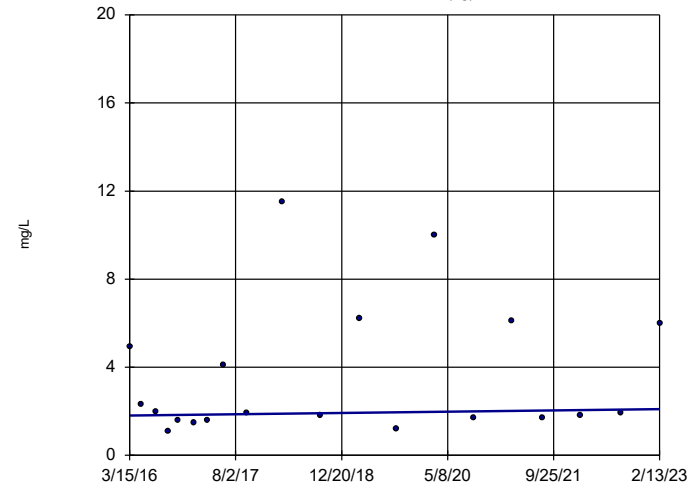


n = 21
 Slope = 0.01668
 units per year.
 Mann-Kendall
 statistic = 13
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

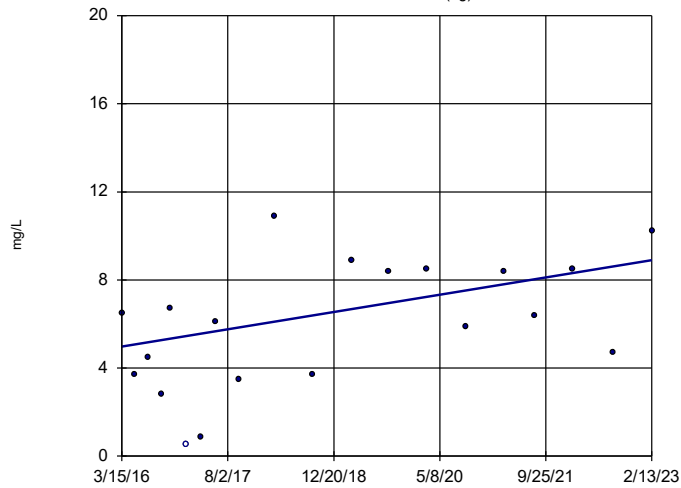


n = 20
 Slope = 0.04258
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

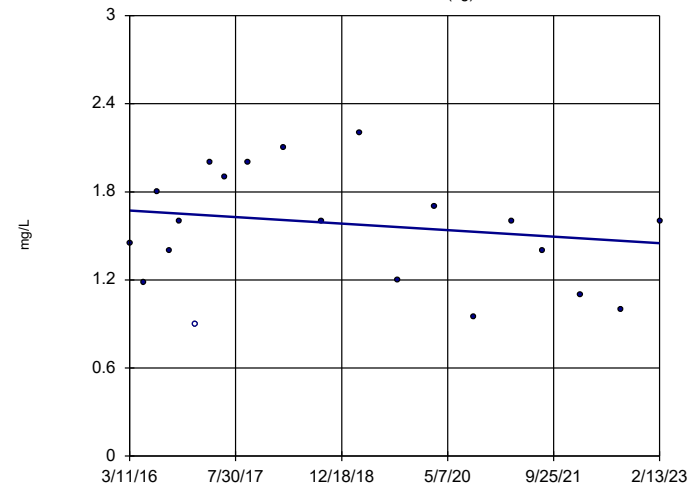


n = 20
 Slope = 0.5682
 units per year.
 Mann-Kendall
 statistic = 62
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

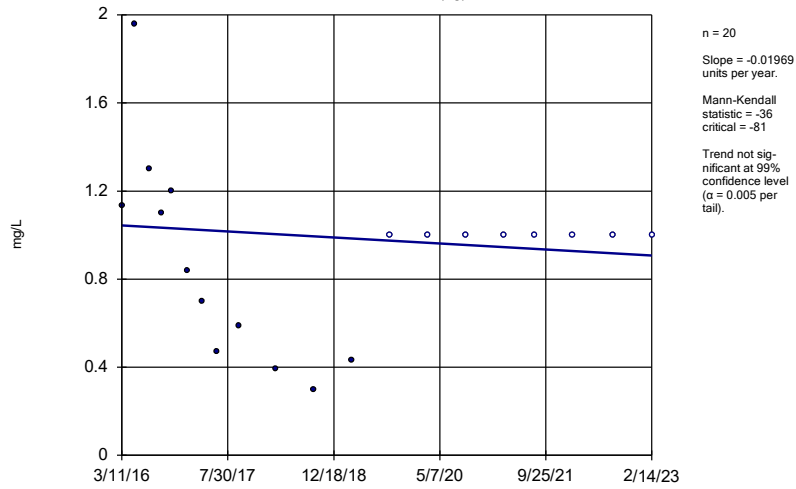


n = 20
 Slope = -0.03222
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

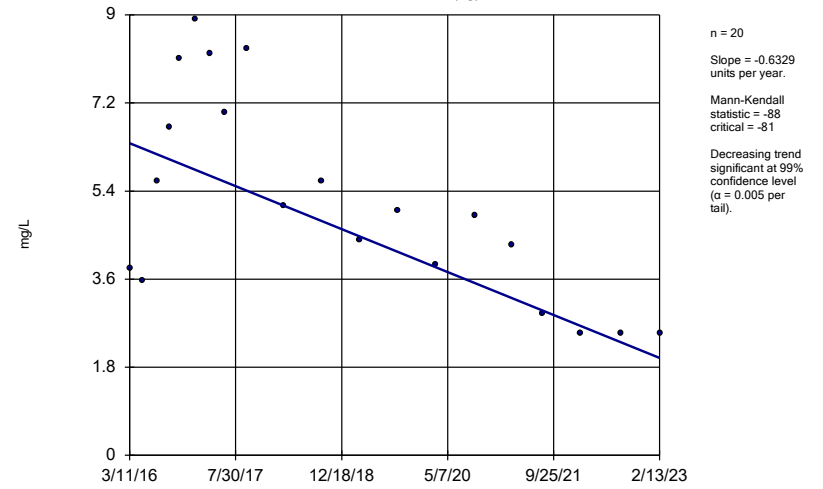
GWA-43 (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

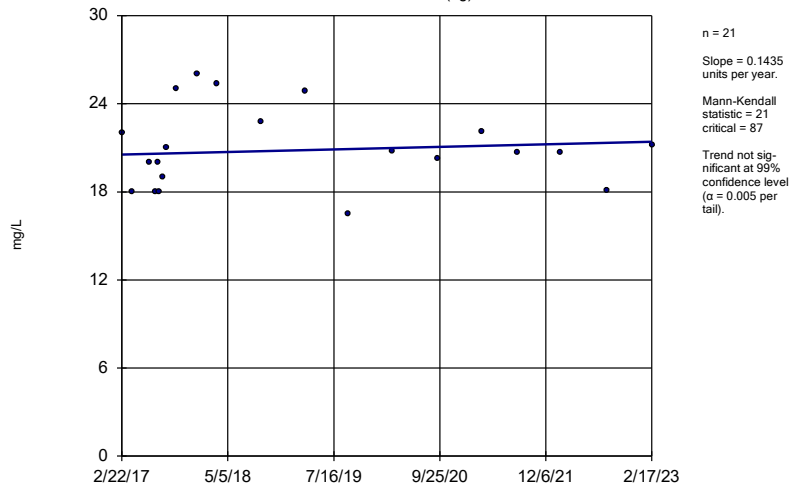
GWA-43R (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

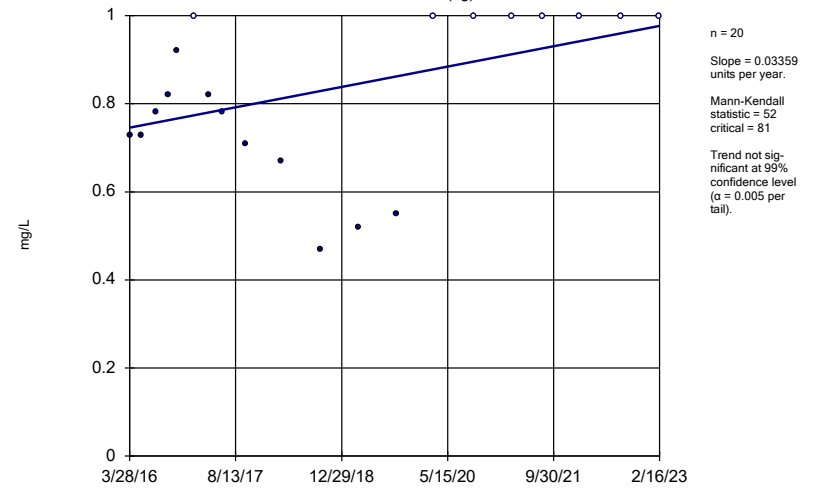
GWA-4RZ (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

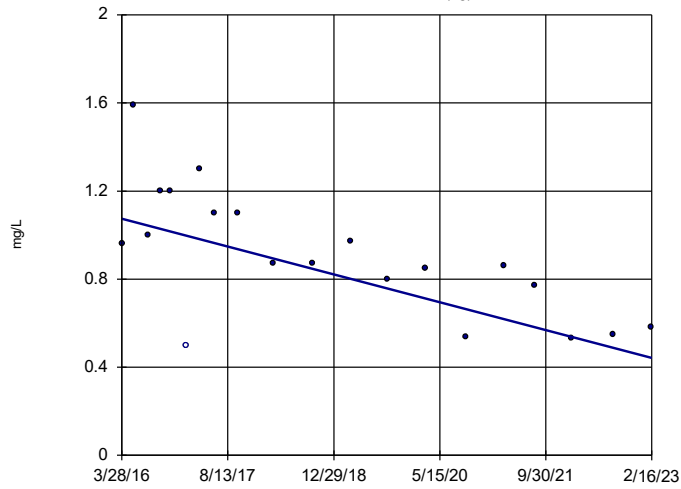
GWA-50 (bg)



Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

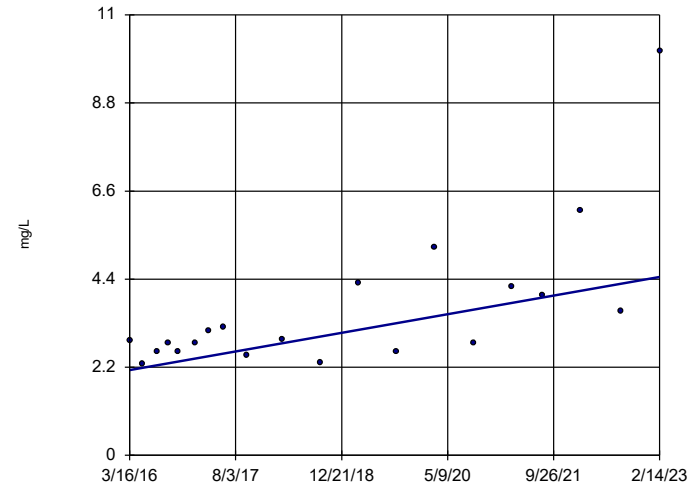


n = 20
 Slope = -0.0917
 units per year.
 Mann-Kendall
 statistic = -105
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-45R

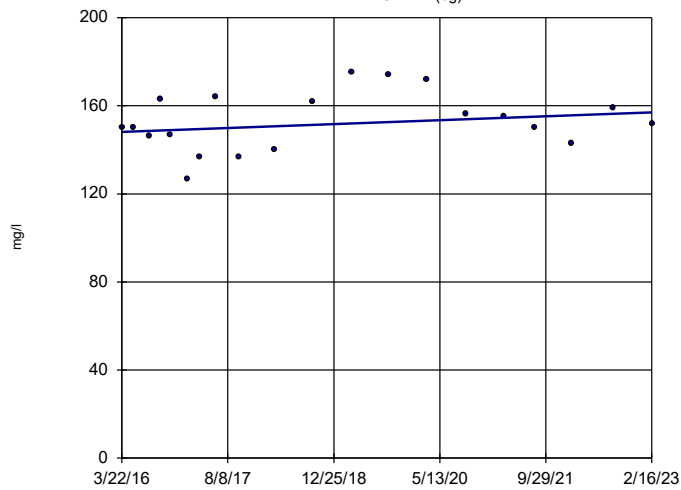


n = 20
 Slope = 0.3351
 units per year.
 Mann-Kendall
 statistic = 90
 critical = 81
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate, total Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

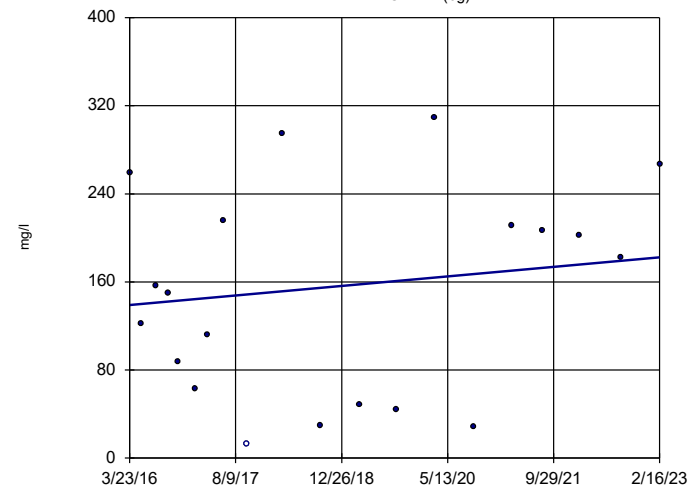


n = 20
 Slope = 1.275
 units per year.
 Mann-Kendall
 statistic = 24
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

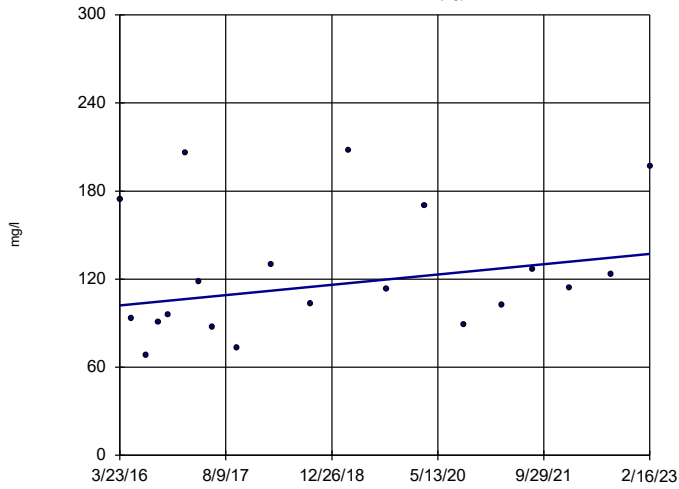


n = 20
 Slope = 6.246
 units per year.
 Mann-Kendall
 statistic = 8
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

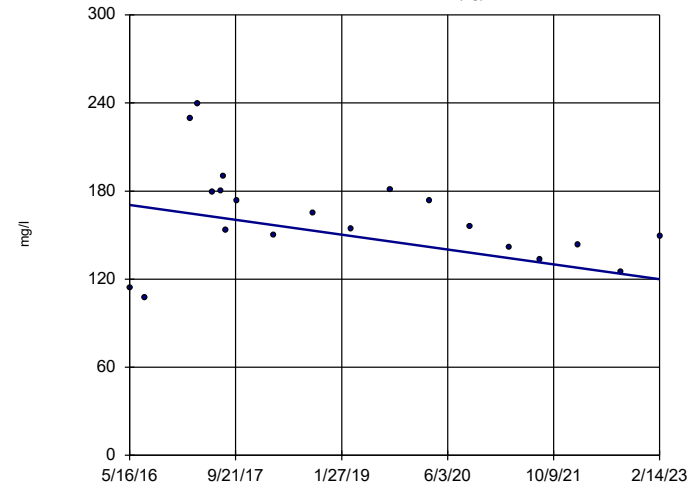


n = 20
 Slope = 5.089
 units per year.
 Mann-Kendall
 statistic = 42
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

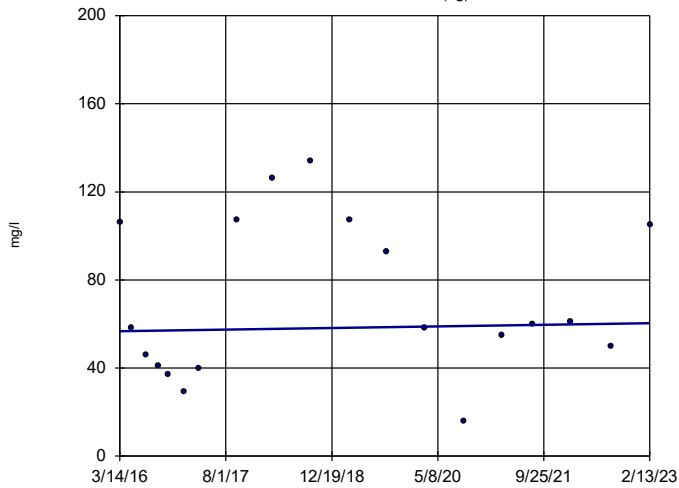


n = 20
 Slope = -7.475
 units per year.
 Mann-Kendall
 statistic = -59
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

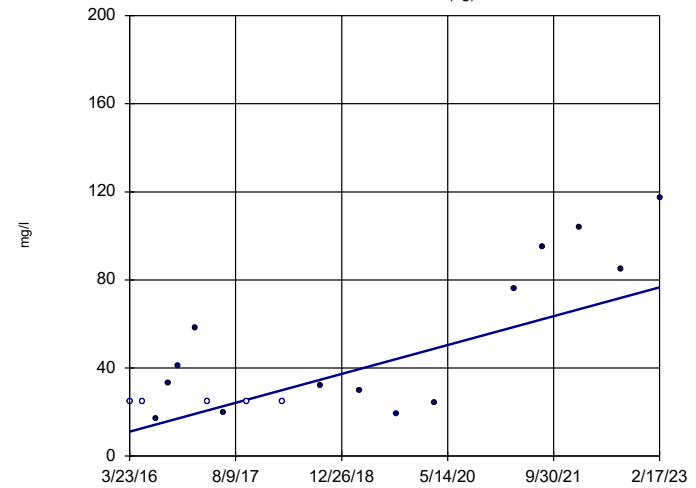


n = 19
 Slope = 0.5237
 units per year.
 Mann-Kendall
 statistic = 7
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

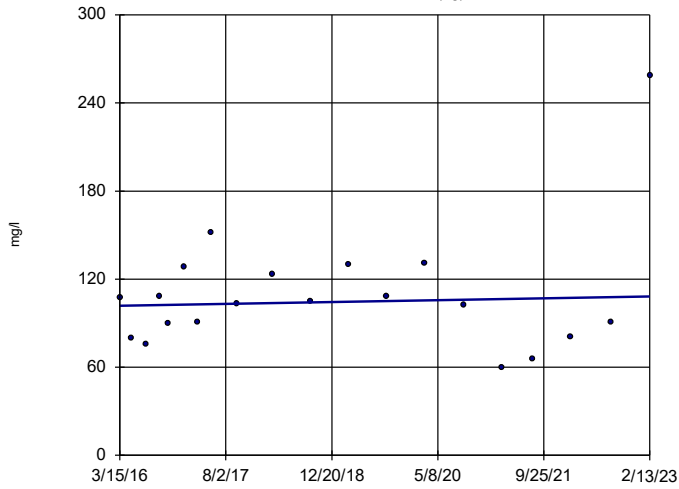


n = 19
 Slope = 9.481
 units per year.
 Mann-Kendall
 statistic = 67
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

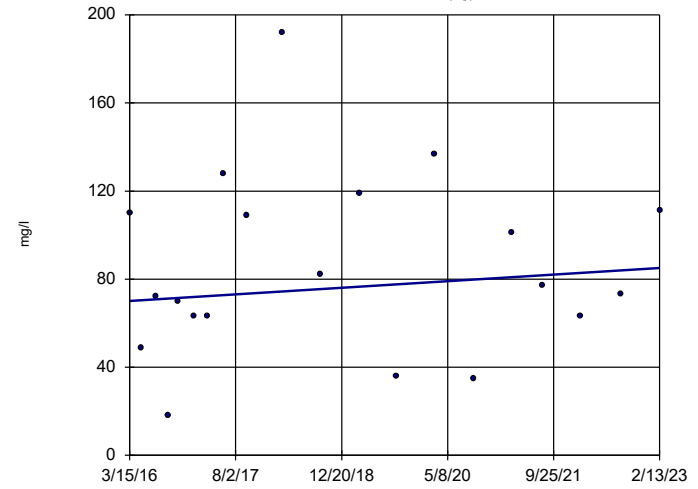


n = 20
 Slope = 0.9167
 units per year.
 Mann-Kendall
 statistic = 10
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

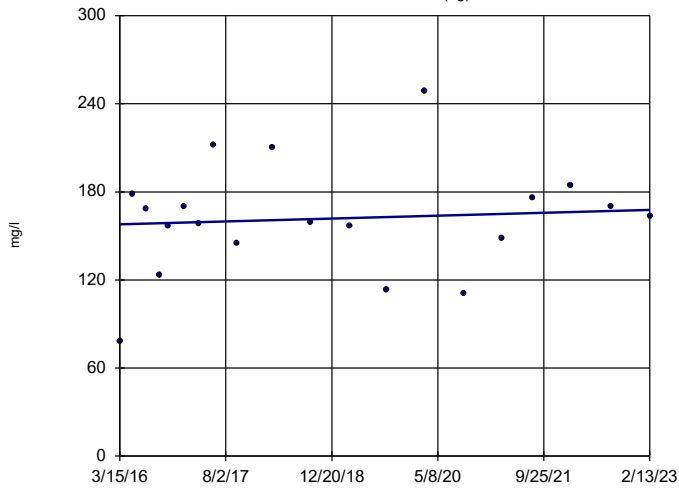


n = 20
 Slope = 2.151
 units per year.
 Mann-Kendall
 statistic = 19
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

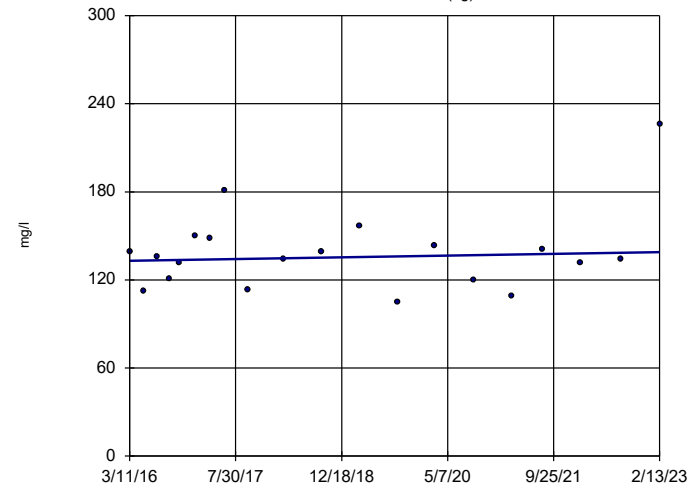


n = 20
 Slope = 1.424
 units per year.
 Mann-Kendall
 statistic = 20
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

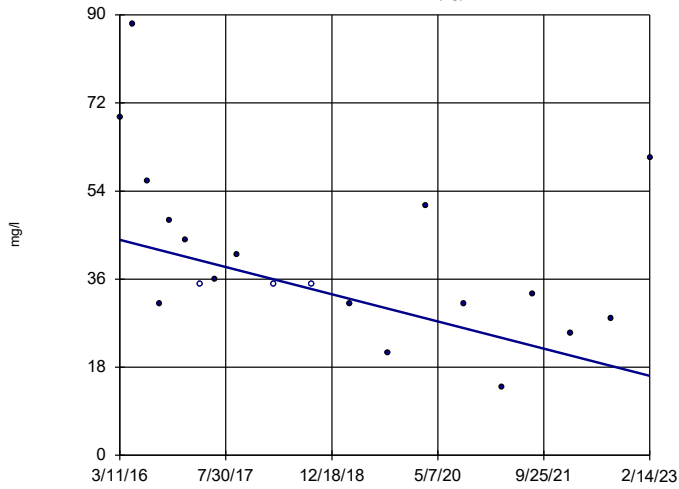


n = 20
 Slope = 0.8627
 units per year.
 Mann-Kendall
 statistic = 11
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

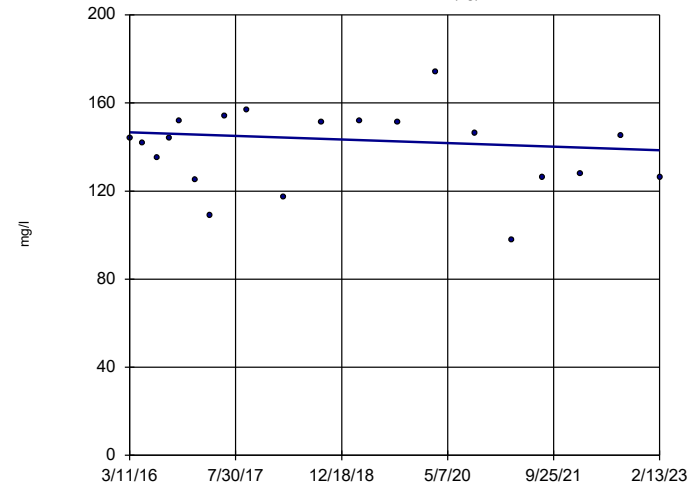


n = 20
 Slope = -4.009
 units per year.
 Mann-Kendall
 statistic = -86
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43R (bg)

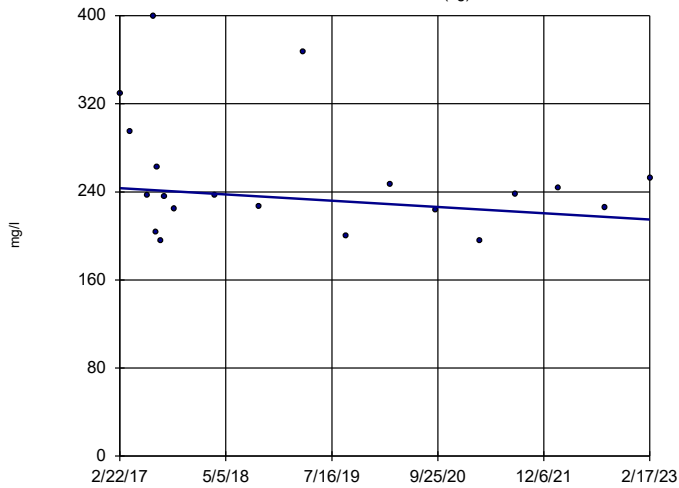


n = 20
 Slope = -1.172
 units per year.
 Mann-Kendall
 statistic = -12
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-4RZ (bg)

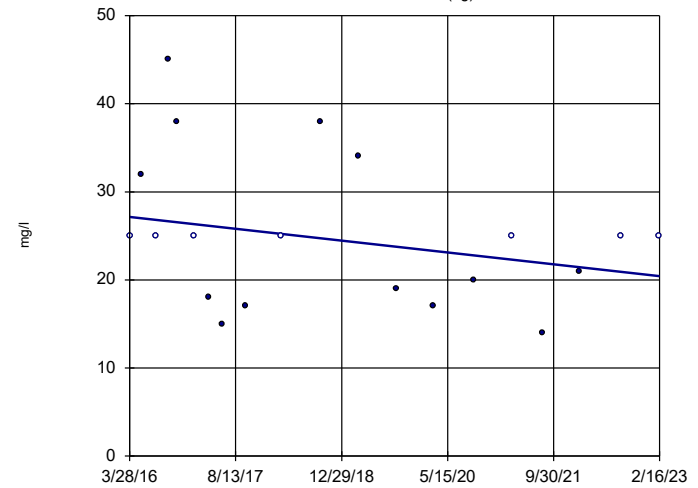


n = 20
 Slope = -4.716
 units per year.
 Mann-Kendall
 statistic = -29
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

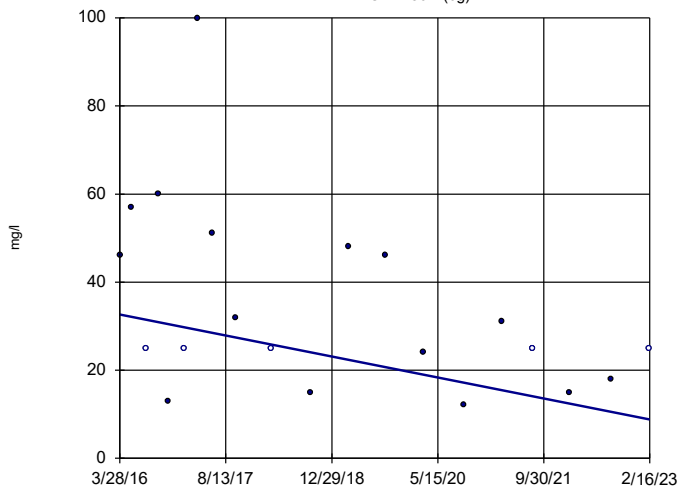


n = 20
 Slope = -0.9754
 units per year.
 Mann-Kendall
 statistic = -37
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

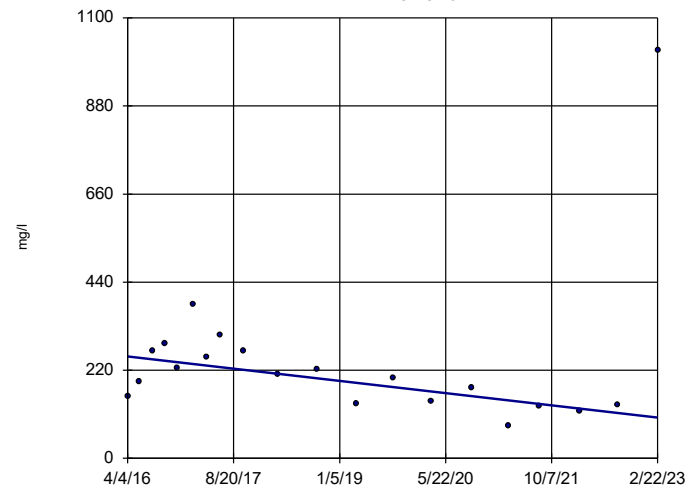


n = 20
Slope = -3.458
units per year.
Mann-Kendall
statistic = -62
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-13



n = 20
Slope = -22.1
units per year.
Mann-Kendall
statistic = -65
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids [TDS] Analysis Run 3/27/2023 4:23 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE L.

Intrawell Prediction Limits - Chloride GWC-48 - All/Significant Results

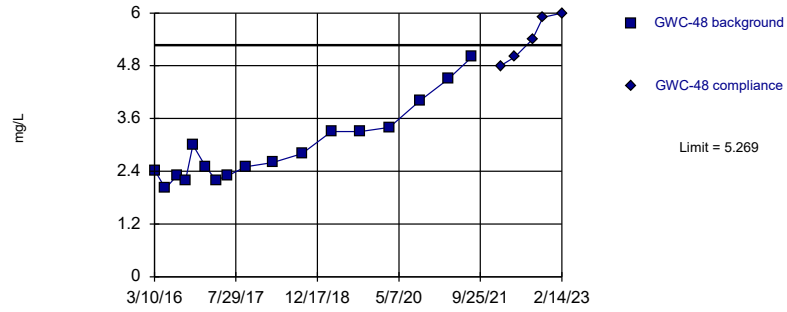
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	2/14/2023	6	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.961, Std. Dev.=0.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.871, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Chloride, Total Analysis Run 4/13/2023 12:03 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

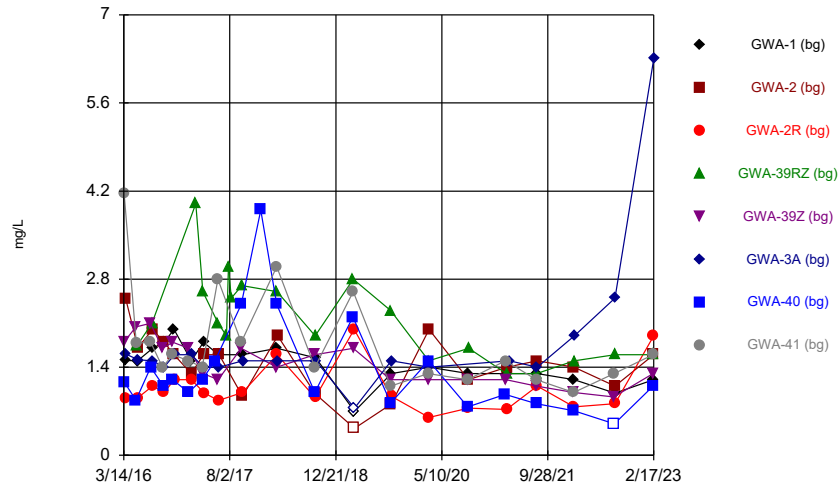
Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/13/2023 12:04 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5
8/15/2022		5.4
10/21/2022		5.9 (R)
2/14/2023		6

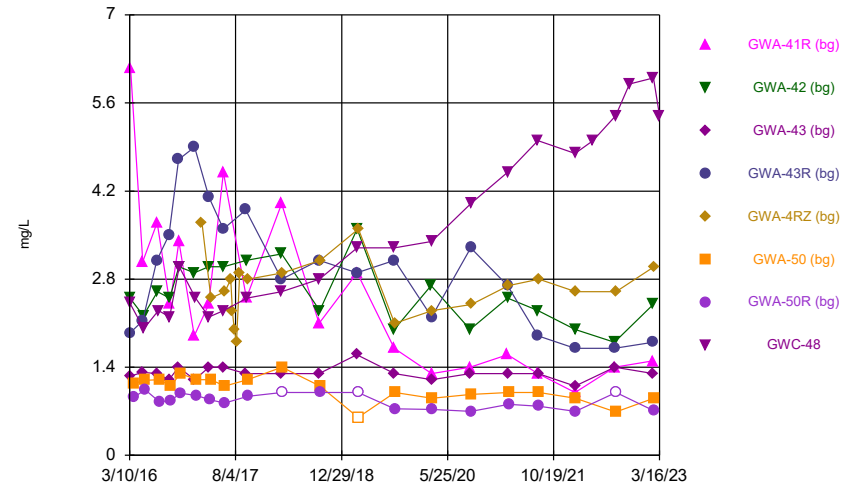
FIGURE M.

Time Series



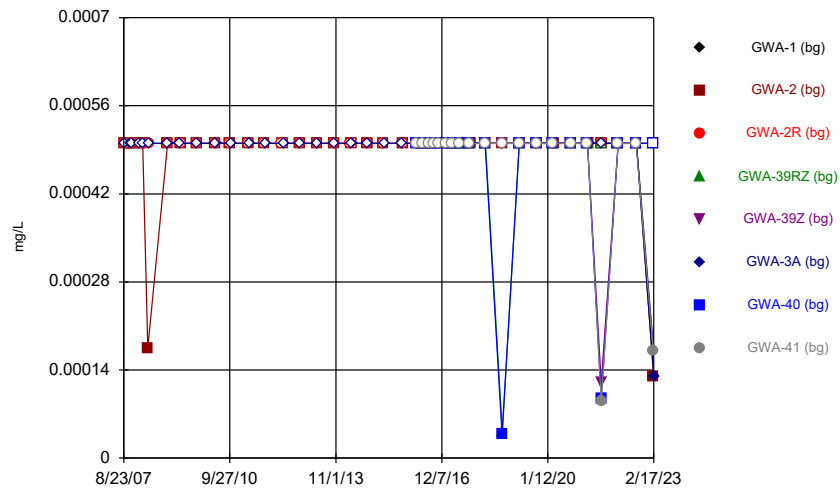
Constituent: Chloride, Total Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



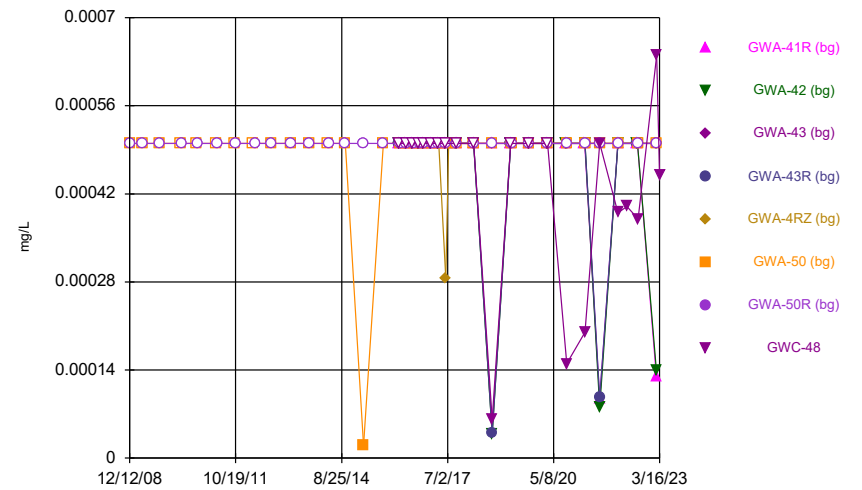
Constituent: Chloride, Total Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



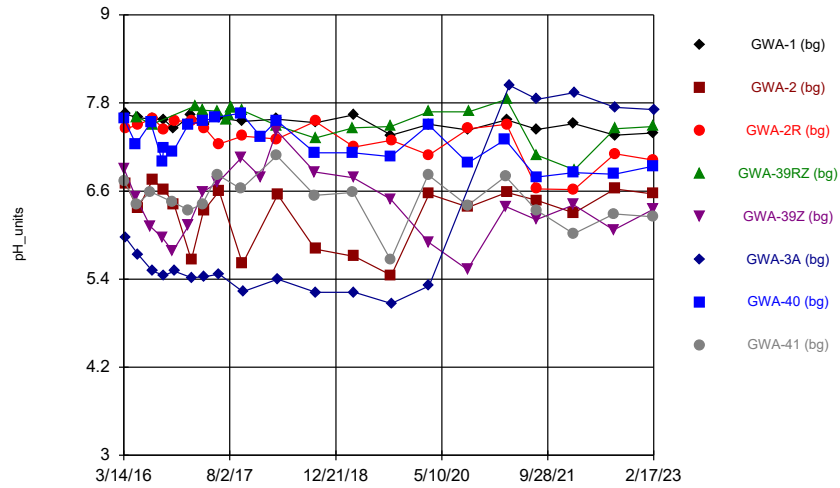
Constituent: Mercury Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



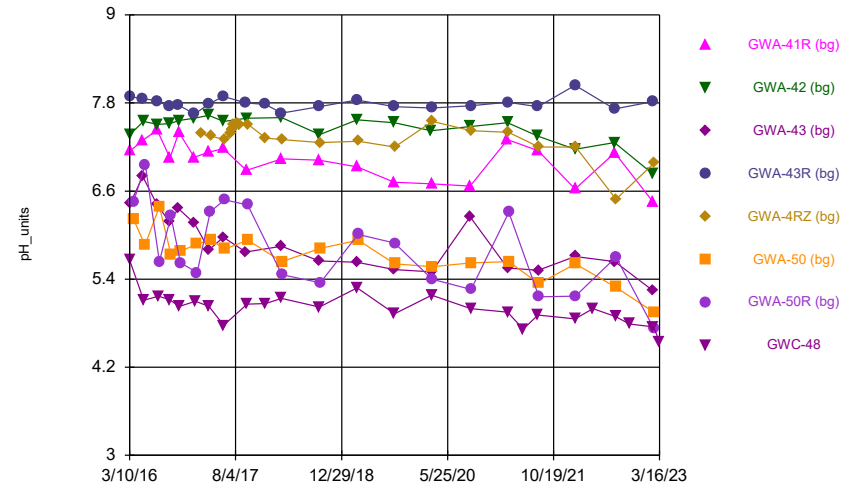
Constituent: Mercury Analysis Run 4/26/2023 10:14 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



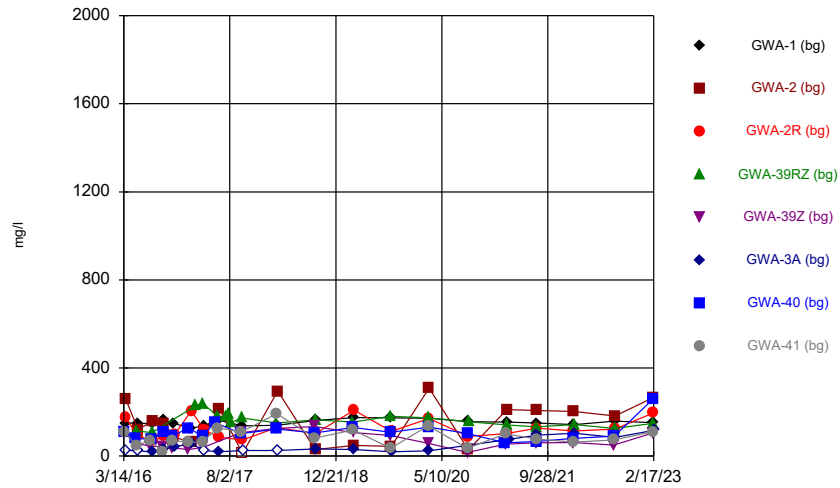
Constituent: pH Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



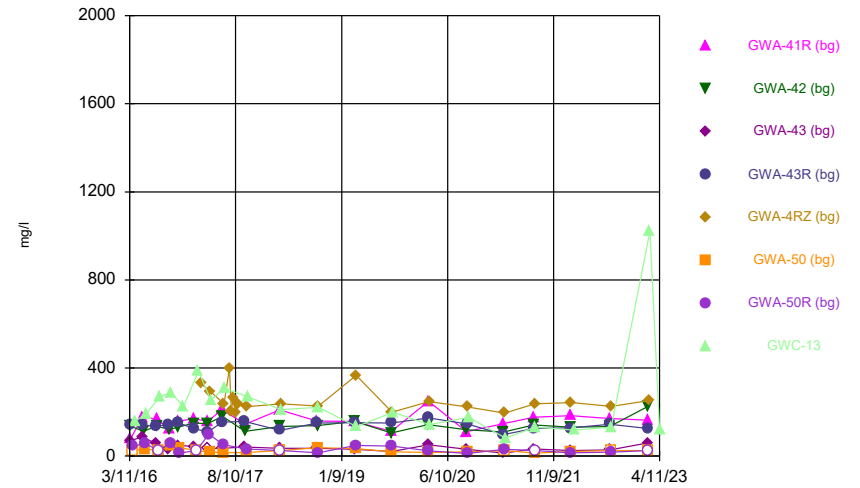
Constituent: pH Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:14 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					1.795			
3/15/2016							1.1671	4.1666
3/22/2016	1.5101							
3/23/2016		2.4904	0.9079			1.6092		
5/11/2016					2.04		0.8763	
5/12/2016								1.78
5/16/2016				1.74 (D)				
5/19/2016	1.5		0.9136					
5/20/2016		1.71						
5/23/2016						1.52		
7/19/2016					2.1			
7/20/2016								1.8
7/21/2016							1.4	
7/27/2016				2.1 (D)				
7/29/2016	1.7	2	1.1			1.5		
9/15/2016					1.7			1.4
9/19/2016							1.1	
9/22/2016			1			1.4		
9/23/2016	1.8	1.8						
11/2/2016					1.8			
11/3/2016							1.2	1.6
11/9/2016	2	1.6						
11/10/2016			1.2			1.6		
1/17/2017							1	
1/18/2017					1.7			1.5
1/30/2017	1.5							
1/31/2017		1.3	1.2			1.6		
2/21/2017				4 (D)				
3/24/2017							1.2	1.4
3/27/2017				2.6 (D)				
3/28/2017					1.3			
3/30/2017	1.8	1.6				1.4		
4/3/2017			0.99					
5/24/2017							1.5	
6/6/2017								2.8
6/7/2017					1.2			
6/8/2017				2.1 (D)				
6/9/2017	1.6		0.87					
6/12/2017		1.6				1.4		
7/17/2017				1.9 (D)				
7/27/2017				3 (D)				
8/9/2017				2.5 (D)				
9/25/2017								1.8
9/26/2017					1.7		2.4	
9/29/2017				2.7 (D)				
10/2/2017	1.6	0.94	1					
10/4/2017						1.5		
12/28/2017							3.9 (Y)	
3/14/2018					1.4		2.4	3
3/16/2018	1.7		1.6	2.6				
3/19/2018		1.9				1.5		
9/12/2018					1.6		1	1.4

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/14/2018		0.98	0.92	1.9				
9/17/2018	1.55 (D)					1.5		
3/13/2019							2.2	
3/14/2019				2.8				2.6
3/15/2019					1.7			
3/19/2019			2					
3/20/2019	<1.4	<0.86				<1.5		
9/9/2019					1.2		0.83 (X)	
9/10/2019				2.3				1.1
9/12/2019	1.3	0.815 (JD)						
9/13/2019			0.94 (J)			1.5		
3/6/2020								1.3
3/9/2020				1.5	1.2		1.5	
3/11/2020	1.4	2	0.6 (J)			1.4		
9/10/2020					1.2			1.2
9/11/2020							0.77 (J)	
9/15/2020	1.3	1.2	0.75 (J)					
9/16/2020				1.7				
3/10/2021							0.97 (J)	
3/11/2021								1.5
3/12/2021					1.2			
3/16/2021	1.3		0.73 (J)	1.3				
3/17/2021		1.4						
3/29/2021						1.5		
8/4/2021					1.1		0.82 (J)	1.2
8/6/2021				1.3				
8/9/2021	1.3	1.5	1.1			1.4		
1/31/2022					1		0.71 (J)	1
2/1/2022	1.2	1.4	0.77 (J)					
2/2/2022				1.5		1.9		
8/10/2022					0.93 (J)			
8/11/2022								1.3
8/12/2022							<1	
8/16/2022	0.99 (J)	1.1	0.82 (J)	1.6		2.5		
2/13/2023					1.3		1.1	1.6
2/14/2023				1.6				
2/16/2023	1.2	1.6	1.9					
2/17/2023						6.3		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/10/2016								2.4266
3/11/2016		2.4984	1.2562	1.9467				
3/15/2016	6.1465							
3/28/2016						1.14	0.9204	
5/13/2016	3.08		1.32	2.14				
5/16/2016		2.22						
5/17/2016								2.01
5/23/2016						1.19		
5/25/2016							1.04	
7/19/2016			1.3	3.1				
7/21/2016	3.7							
7/22/2016		2.6						
7/27/2016								2.3
8/1/2016						1.2	0.85	
9/16/2016			1.2	3.5				
9/19/2016		2.5						
9/20/2016								2.2
9/21/2016	2.4							
9/26/2016						1.1	0.87	
11/2/2016			1.4	4.7				
11/3/2016	3.4	3						
11/4/2016								3
11/10/2016						1.3		
11/11/2016							0.99	
1/17/2017	1.9	2.9						
1/18/2017			1.2	4.9				
1/23/2017								2.5
1/30/2017						1.2	0.95	
2/22/2017					3.7 (D)			
3/27/2017	2.4	3						
3/28/2017			1.4	4.1				2.2
4/3/2017							0.88	
4/7/2017					2.5 (D)	1.2		
6/6/2017	4.5		1.4	3.6				
6/7/2017		3						
6/8/2017								2.3
6/12/2017						1.1	0.83	
6/14/2017					2.6 (D)			
7/12/2017					2.8 (D)			
7/20/2017					2.3 (D)			
7/28/2017					2 (D)			
8/9/2017					1.8 (D)			
8/24/2017					2.9 (D)			
9/22/2017			1.3	3.9				
9/25/2017	2.5							
9/26/2017		3.1						
9/29/2017								2.5
10/2/2017						1.2	0.94	
10/3/2017					2.8 (D)			
3/14/2018	4 (J)	3.2	1.3					
3/15/2018				2.8				2.6
3/16/2018						1.4	<1	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/21/2018					2.9			
9/12/2018	2.1		1.3	3.1				
9/13/2018								2.8
9/14/2018		2.3						
9/17/2018						1.1		
9/18/2018					3.1		1	
3/13/2019			1.6	2.9				
3/14/2019	2.9	3.6						
3/15/2019								3.3
3/19/2019						<1.2	<1	
3/21/2019					3.6 (D)			
9/10/2019	1.7	2						
9/11/2019			1.3	3.1				3.3
9/12/2019					2.1 (D)		0.74 (J)	
9/13/2019						1		
3/6/2020		2.7						
3/9/2020	1.3		1.2	2.2				3.4
3/11/2020						0.91 (J)	0.73 (J)	
3/12/2020					2.3			
9/10/2020	1.4	2						
9/11/2020			1.3					
9/14/2020				3.3				4
9/15/2020							0.7 (J)	
9/16/2020						0.97 (J)		
9/17/2020					2.4			
3/10/2021	1.6							
3/11/2021		2.5	1.3	2.7				4.5
3/16/2021					2.7			
3/17/2021						1 (J)	0.81 (J)	
8/4/2021	1.3	2.3						5
8/5/2021				1.9				
8/6/2021			1.3					
8/9/2021						1 (J)	0.78 (J)	
8/10/2021					2.8			
1/31/2022	1	2	1.1	1.7				4.8
2/1/2022						0.91 (J)		
2/2/2022							0.7 (J)	
2/3/2022					2.6			
4/28/2022								5
8/10/2022		1.8		1.7				
8/11/2022	1.4		1.4					
8/15/2022								5.4
8/16/2022						0.69 (J)		
8/17/2022					2.6		<1	
10/21/2022								5.9 (R)
2/13/2023	1.5	2.4		1.8				
2/14/2023			1.3					6
2/16/2023						0.91 (J)	0.71 (J)	
2/17/2023					3			
3/16/2023								5.4 (R)

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005		
10/23/2007	<0.0005							
10/24/2007		<0.0005	<0.0005					
11/2/2007						<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005		
1/30/2008	<0.0005							
1/31/2008		<0.0005	<0.0005			<0.0005		
3/10/2008	<0.0005		<0.0005					
3/11/2008		<0.0005				<0.0005		
5/6/2008		0.000175						
5/13/2008	<0.0005		<0.0005					
5/14/2008						<0.0005		
12/4/2008		<0.0005	<0.0005					
12/5/2008	<0.0005					<0.0005		
4/15/2009	<0.0005					<0.0005		
4/21/2009		<0.0005	<0.0005					
10/7/2009	<0.0005	<0.0005						
10/8/2009			<0.0005			<0.0005		
4/21/2010			<0.0005					
4/26/2010		<0.0005						
4/28/2010						<0.0005		
5/3/2010	<0.0005							
9/28/2010			<0.0005					
10/4/2010		<0.0005						
10/6/2010						<0.0005		
10/12/2010	<0.0005							
4/12/2011			<0.0005					
4/13/2011		<0.0005						
4/21/2011						<0.0005		
4/27/2011	<0.0005							
10/4/2011			<0.0005					
10/5/2011		<0.0005						
10/13/2011						<0.0005		
10/17/2011	<0.0005							
4/3/2012			<0.0005					
4/11/2012		<0.0005						
5/1/2012						<0.0005		
5/2/2012	<0.0005							
10/8/2012	<0.0005							
10/9/2012		<0.0005	<0.0005			<0.0005		
4/11/2013			<0.0005			<0.0005		
4/12/2013	<0.0005							
4/15/2013		<0.0005						
10/15/2013		<0.0005						
10/16/2013	<0.0005		<0.0005			<0.0005		
4/10/2014			<0.0005					
4/11/2014	<0.0005							
4/22/2014		<0.0005						
4/23/2014						<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005					
10/4/2014						<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/31/2015						<0.0005		
10/12/2015						<0.0005		
10/13/2015	<0.0005	<0.0005	<0.0005					
3/14/2016					<0.0005			
3/15/2016							<0.0005	<0.0005
3/22/2016	<0.0005							
3/23/2016		<0.0005	<0.0005			<0.0005		
5/11/2016					<0.0005		<0.0005	
5/12/2016								<0.0005
5/16/2016				<0.0005 (D)				
5/19/2016	<0.0005		<0.0005					
5/20/2016		<0.0005						
5/23/2016						<0.0005		
7/19/2016					<0.0005			
7/20/2016								<0.0005
7/21/2016							<0.0005	
7/27/2016				<0.0005 (D)				
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005		
9/15/2016					<0.0005		<0.0005	<0.0005
9/22/2016			<0.0005			<0.0005		
9/23/2016	<0.0005	<0.0005						
11/2/2016					<0.0005			
11/3/2016							<0.0005	<0.0005
11/9/2016	<0.0005	<0.0005						
11/10/2016			<0.0005			<0.0005		
1/17/2017							<0.0005	
1/18/2017					<0.0005			<0.0005
1/30/2017	<0.0005							
1/31/2017		<0.0005	<0.0005			<0.0005		
2/21/2017				<0.0005				
3/24/2017							<0.0005	<0.0005
3/27/2017				<0.0005 (D)				
3/28/2017					<0.0005			
3/30/2017	<0.0005	<0.0005				<0.0005		
4/3/2017			<0.0005					
5/24/2017							<0.0005	
6/6/2017								<0.0005
6/7/2017					<0.0005			
6/8/2017				<0.0005 (D)				
6/9/2017	<0.0005		<0.0005					
6/12/2017		<0.0005				<0.0005		
7/17/2017				<0.0005 (D)				
7/27/2017				<0.0005				
8/9/2017				<0.0005				
9/25/2017								<0.0005
9/26/2017					<0.0005		<0.0005	
9/29/2017				<0.0005 (D)				
10/2/2017	<0.0005	<0.0005	<0.0005					
10/4/2017						<0.0005		
3/14/2018					<0.0005		<0.0005	<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005				
3/19/2018		<0.0005				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/12/2018					<0.0005		3.8E-05 (J)	<0.0005
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)				
9/17/2018	<0.0005 (D)					<0.0005		
3/13/2019							<0.0005	
3/14/2019				<0.0005				<0.0005
3/15/2019					<0.0005			
3/19/2019			<0.0005					
3/20/2019	<0.0005	<0.0005				<0.0005		
9/9/2019					<0.0005		<0.0005	
9/10/2019								<0.0005 (D)
9/12/2019	<0.0005	<0.0005 (D)						
9/13/2019			<0.0005			<0.0005		
3/6/2020								<0.0005
3/9/2020				<0.0005	<0.0005		<0.0005	
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005		
9/10/2020					<0.0005			<0.0005
9/11/2020							<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005					
9/16/2020				<0.0005				
3/10/2021							<0.0005	
3/11/2021								<0.0005
3/12/2021					<0.0005			
3/16/2021	<0.0005		<0.0005	<0.0005				
3/17/2021		<0.0005						
3/29/2021						<0.0005		
8/4/2021					0.00012 (J)		9.4E-05 (J)	9E-05 (J)
8/6/2021				<0.0005				
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005		
1/31/2022					<0.0005		<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005					
2/2/2022				<0.0005		<0.0005		
8/10/2022					<0.0005			
8/11/2022								<0.0005
8/12/2022							<0.0005	
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005		
2/13/2023					<0.0005		<0.0005	0.00017 (J)
2/14/2023				<0.0005				
2/16/2023	0.00017 (J)	0.00013 (J)	<0.0005					
2/17/2023						0.00013 (J)		

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
12/12/2008						<0.0005	<0.0005	
4/23/2009						<0.0005	<0.0005	
10/6/2009						<0.0005	<0.0005	
4/27/2010						<0.0005		
5/3/2010							<0.0005	
9/30/2010						<0.0005		
10/11/2010							<0.0005	
4/14/2011						<0.0005		
4/27/2011							<0.0005	
10/5/2011						<0.0005		
10/19/2011							<0.0005	
4/11/2012						<0.0005		
5/1/2012							<0.0005	
10/2/2012						<0.0005	<0.0005	
4/9/2013						<0.0005		
4/10/2013							<0.0005	
10/15/2013						<0.0005		
10/16/2013							<0.0005	
4/10/2014						<0.0005		
4/22/2014							<0.0005	
10/1/2014						<0.0005	<0.0005	
3/30/2015						2.02E-05 (J)	<0.0005	
10/11/2015						<0.0005	<0.0005	
3/10/2016								<0.0005
3/11/2016		<0.0005	<0.0005	<0.0005				
3/15/2016	<0.0005							
3/28/2016						<0.0005	<0.0005	
5/13/2016	<0.0005		<0.0005	<0.0005				
5/16/2016		<0.0005						
5/17/2016								<0.0005
5/23/2016						<0.0005		
5/25/2016							<0.0005	
7/19/2016			<0.0005	<0.0005				
7/21/2016	<0.0005							
7/22/2016		<0.0005						
7/27/2016								<0.0005
8/1/2016						<0.0005	<0.0005	
9/16/2016			<0.0005	<0.0005				
9/19/2016		<0.0005						
9/20/2016								<0.0005
9/21/2016	<0.0005							
9/26/2016						<0.0005	<0.0005	
11/2/2016			<0.0005	<0.0005				
11/3/2016	<0.0005	<0.0005						
11/4/2016								<0.0005
11/10/2016						<0.0005		
11/11/2016							<0.0005	
1/17/2017	<0.0005	<0.0005						
1/18/2017			<0.0005	<0.0005				
1/23/2017								<0.0005
1/30/2017						<0.0005	<0.0005	
2/22/2017					<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/27/2017	<0.0005	<0.0005						
3/28/2017			<0.0005	<0.0005				<0.0005
4/3/2017							<0.0005	
4/7/2017					<0.0005	<0.0005		
6/6/2017	<0.0005		<0.0005	<0.0005				
6/7/2017		<0.0005						
6/8/2017								<0.0005
6/12/2017						<0.0005	<0.0005	
6/14/2017					0.000286 (JD)			
7/12/2017					<0.0005 (D)			
7/20/2017					<0.0005 (D)			
7/28/2017					<0.0005			
8/9/2017					<0.0005			
8/24/2017					<0.0005			
9/22/2017			<0.0005	<0.0005				
9/25/2017	<0.0005							
9/26/2017		<0.0005						
9/29/2017								<0.0005
10/2/2017						<0.0005	<0.0005	
10/3/2017					<0.0005 (D)			
3/14/2018	<0.0005	<0.0005	<0.0005					
3/15/2018				<0.0005				<0.0005
3/16/2018						<0.0005	<0.0005	
3/21/2018					<0.0005			
9/12/2018	<0.0005		<0.0005	3.9E-05 (J)				
9/13/2018								6.2E-05 (J)
9/14/2018		3.8E-05 (J)						
9/17/2018						<0.0005		
9/18/2018					<0.0005		<0.0005	
3/13/2019			<0.0005	<0.0005				
3/14/2019	<0.0005	<0.0005						
3/15/2019								<0.0005
3/19/2019						<0.0005	<0.0005	
3/21/2019					<0.0005 (D)			
9/10/2019	<0.0005	<0.0005						
9/11/2019			<0.0005	<0.0005				<0.0005 (D)
9/12/2019					<0.0005 (D)		<0.0005	
9/13/2019						<0.0005		
3/6/2020		<0.0005						
3/9/2020	<0.0005		<0.0005	<0.0005				<0.0005
3/11/2020						<0.0005	<0.0005	
3/12/2020					<0.0005			
9/10/2020	<0.0005	<0.0005						
9/11/2020			<0.0005					
9/14/2020				<0.0005				0.00015 (J)
9/15/2020							<0.0005	
9/16/2020						<0.0005		
9/17/2020					<0.0005			
3/10/2021	<0.0005							
3/11/2021		<0.0005	<0.0005	<0.0005				0.0002 (J)
3/16/2021					<0.0005			
3/17/2021						<0.0005	<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
8/4/2021	9.4E-05 (J)	8E-05 (J)						0.0005
8/5/2021				9.6E-05 (J)				
8/6/2021			<0.0005					
8/9/2021						<0.0005	<0.0005	
8/10/2021					<0.0005			
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005				0.00039
2/1/2022						<0.0005		
2/2/2022							<0.0005	
2/3/2022					<0.0005			
4/28/2022								0.0004
8/10/2022		<0.0005		<0.0005				
8/11/2022	<0.0005		<0.0005					
8/15/2022								0.00038
8/16/2022						<0.0005		
8/17/2022					<0.0005		<0.0005	
2/13/2023	0.00013 (J)	0.00014 (J)		<0.0005				
2/14/2023			<0.0005					0.00064
2/16/2023						<0.0005	<0.0005	
2/17/2023					<0.0005			
3/16/2023								0.00045 (R)

Time Series

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:16 AM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					6.91			
3/15/2016							7.58	6.74
3/22/2016	7.65							
3/23/2016		6.7	7.45			5.96		
5/11/2016					6.51		7.24	
5/12/2016								6.41
5/16/2016				7.61 (D)				
5/19/2016	7.6		7.5					
5/20/2016		6.36						
5/23/2016						5.73		
7/19/2016					6.12			
7/20/2016								6.59
7/21/2016							7.53	
7/27/2016				7.51 (D)				
7/29/2016	7.58	6.75	7.59			5.51		
9/15/2016					5.96		7	
9/19/2016							7.19	
9/22/2016			7.44			5.45		
9/23/2016	7.57	6.62						
11/2/2016					5.78			
11/3/2016							7.13	6.45
11/9/2016	7.45	6.42						
11/10/2016			7.55			5.51		
1/17/2017							7.51	
1/18/2017					6.13			6.34
1/30/2017	7.64							
1/31/2017		5.66	7.56			5.42		
2/21/2017				7.76 (D)				
3/24/2017							7.55	6.42
3/27/2017				7.7 (D)				
3/28/2017					6.59			
3/30/2017	7.51	6.33				5.43		
4/3/2017			7.46					
5/24/2017							7.6	
6/6/2017								6.82
6/7/2017					6.72			
6/8/2017				7.69 (D)				
6/9/2017	7.6		7.24					
6/12/2017		6.6				5.47		
7/17/2017				7.57 (D)				
7/26/2017				7.63				
7/27/2017				7.63				
8/8/2017				7.73				
8/9/2017				7.73				
9/25/2017								6.63
9/26/2017					7.05		7.66	
9/29/2017				7.7 (D)				
10/2/2017	7.55	5.61	7.35					
10/4/2017						5.23		
12/28/2017					6.79 (Y)		7.34 (Y)	
3/14/2018					7.42		7.56	7.08
3/16/2018	7.58		7.31	7.49				

Time Series

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/19/2018		6.55				5.4		
9/12/2018					6.86		7.12	6.54
9/14/2018		5.81	7.55	7.32				
9/17/2018	7.53 (D)					5.22		
3/13/2019							7.12	
3/14/2019				7.46				6.58
3/15/2019					6.78			
3/19/2019			7.2					
3/20/2019	7.64	5.71				5.22		
9/9/2019					6.49		7.07	
9/10/2019				7.48				5.66
9/12/2019	7.36	5.45 (D)						
9/13/2019			7.29			5.07		
3/6/2020								6.82
3/9/2020				7.68	5.9		7.5	
3/11/2020	7.51	6.56	7.09			5.31		
9/10/2020					5.53			6.4
9/11/2020							6.98	
9/15/2020	7.43	6.38	7.45					
9/16/2020				7.68				
3/10/2021							7.3	
3/11/2021								6.8
3/12/2021					6.39			
3/16/2021	7.57		7.51	7.85				
3/17/2021		6.58						
3/29/2021						8.04		
8/4/2021					6.21		6.79	6.34
8/6/2021				7.09				
8/9/2021	7.44	6.47	6.63			7.85		
1/31/2022					6.41		6.85	6.02
2/1/2022	7.52	6.3	6.62					
2/2/2022				6.89		7.94		
8/10/2022					6.07			
8/11/2022								6.29
8/12/2022							6.83	
8/16/2022	7.36	6.63	7.11	7.45		7.74		
2/13/2023					6.35		6.94	6.25
2/14/2023				7.48				
2/16/2023	7.39	6.56	7.02					
2/17/2023						7.71		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					106			
3/15/2016							107	110
3/22/2016	150							
3/23/2016		259	174			<25		
5/11/2016					58		80	
5/12/2016								49
5/16/2016				114 (D)				
5/19/2016	150		93					
5/20/2016		122						
5/23/2016						<25		
7/19/2016					46			
7/20/2016								72
7/21/2016							76	
7/27/2016				107 (D)				
7/29/2016	146	156	68			17 (J)		
9/15/2016					41			18 (J)
9/19/2016							108	
9/22/2016			91			33		
9/23/2016	163	150						
11/2/2016					37			
11/3/2016							90	70
11/9/2016	147	87						
11/10/2016			96			41		
1/17/2017							128	
1/18/2017					29			63
1/30/2017	127							
1/31/2017		63	206			58		
2/21/2017				229 (D)				
3/24/2017							91	63
3/27/2017				239 (D)				
3/28/2017					40			
3/30/2017	137	112				<25		
4/3/2017			118					
5/24/2017							152	
6/6/2017								128
6/8/2017				179 (D)				
6/9/2017	164		87					
6/12/2017		216				20 (J)		
7/17/2017				180 (D)				
7/27/2017				190 (D)				
8/9/2017				153 (D)				
9/25/2017								109
9/26/2017					107		103	
9/29/2017				173 (D)				
10/2/2017	137	<25	73					
10/4/2017						<25		
3/14/2018					126		123	192
3/16/2018	140		130	150				
3/19/2018		295				<25		
9/12/2018					134		105	82
9/14/2018		30	103	165				
9/17/2018	162					32		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/13/2019							130	
3/14/2019				154				119
3/15/2019					107			
3/19/2019			208					
3/20/2019	175	49				30		
9/9/2019					93		108	
9/10/2019				181				36
9/12/2019	174	44						
9/13/2019			113			19		
3/6/2020								137
3/9/2020				173	58		131	
3/11/2020	172	309	170			24		
9/10/2020					16			35
9/11/2020							102	
9/15/2020	156	28	89					
9/16/2020				156				
3/10/2021							60	
3/11/2021								101
3/12/2021					55			
3/16/2021	155		102	142				
3/17/2021		211						
3/29/2021						76		
8/4/2021					60		66	77
8/6/2021				133				
8/9/2021	150	207	127			95		
1/31/2022					61		81	63
2/1/2022	143	202	114					
2/2/2022				143		104		
8/10/2022					50			
8/11/2022								73
8/12/2022							91	
8/16/2022	159	182	123	125		85		
2/13/2023					105 (J)		259 (J)	111 (J)
2/14/2023				149 (J)				
2/16/2023	152 (J)	267 (J)	197 (J)					
2/17/2023						117 (J)		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13
3/11/2016		139	69	144				
3/15/2016	78							
3/28/2016						<25	46	
4/4/2016								156
5/13/2016	178		88	142				
5/16/2016		112						
5/23/2016						32		
5/25/2016							57	
5/31/2016								192
7/19/2016			56	135				
7/21/2016	168							
7/22/2016		136						
8/1/2016						<25	<25	
8/4/2016								269
9/16/2016			31	144				
9/19/2016		121						
9/21/2016	123							
9/26/2016						45	60	
9/29/2016								288
11/2/2016			48	152				
11/3/2016	157	132						
11/10/2016						38		
11/11/2016							13 (J)	
11/28/2016								224
1/17/2017	170	150						
1/18/2017			44	125				
1/30/2017						<25	<25	
2/9/2017								386
2/22/2017					329 (D)			
3/27/2017	158	148						
3/28/2017			<35	109				
4/3/2017							100	
4/7/2017					295 (D)	18 (J)		
4/12/2017								254
6/6/2017	212		36	154				
6/7/2017		181						
6/12/2017						15 (J)	51	
6/14/2017					237 (D)			
6/16/2017								309
7/12/2017					400 (D)			
7/20/2017					203 (D)			
7/28/2017					262 (D)			
8/9/2017					195 (D)			
8/24/2017					236 (D)			
9/22/2017			41	157				
9/25/2017	145							
9/26/2017		113						
10/2/2017						17 (J)	32	
10/3/2017					224 (D)			
10/9/2017								269
3/14/2018	210	134	<35					
3/15/2018				117				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13
3/16/2018						<25	<25	
3/21/2018					237			211
9/12/2018	159		<35	151				
9/14/2018		139						
9/17/2018						38		
9/18/2018					227		15 (J)	
9/19/2018								222
3/13/2019			31	152				
3/14/2019	157	157						
3/19/2019						34	48	
3/21/2019					367 (D)			
3/23/2019								135
9/10/2019	113	105						
9/11/2019			21	151				
9/12/2019					200 (D)		46	
9/13/2019						19		
9/18/2019								200
3/6/2020		143						
3/9/2020	249		51	174				
3/11/2020						17	24	
3/12/2020					247			
3/13/2020								143
9/10/2020	111	120						
9/11/2020			31					
9/14/2020				146				
9/15/2020							12	
9/16/2020						20		
9/17/2020					223			
9/22/2020								176
3/10/2021	148							
3/11/2021		109	14	98				
3/16/2021					196			
3/17/2021						<25	31	
3/18/2021								82
8/4/2021	176	141						
8/5/2021				126				
8/6/2021			33					
8/9/2021						14	<25	
8/10/2021					238			
8/11/2021								131
1/31/2022	184	132	25	128				
2/1/2022						21		
2/2/2022							15	
2/3/2022					243			
2/17/2022								119
8/10/2022		134		145				
8/11/2022	170		28					
8/16/2022						<25		
8/17/2022					226		18 (J)	
8/18/2022								132
2/13/2023	163 (J)	226		126				
2/14/2023			60.9					

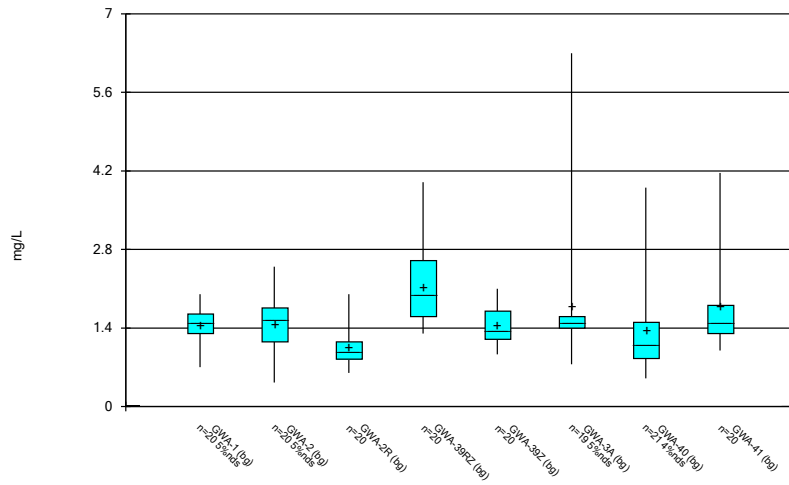
Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:16 AM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-13
2/16/2023						<25	<25	
2/17/2023					252 (J)			
2/22/2023								1020
4/11/2023								120 (R)

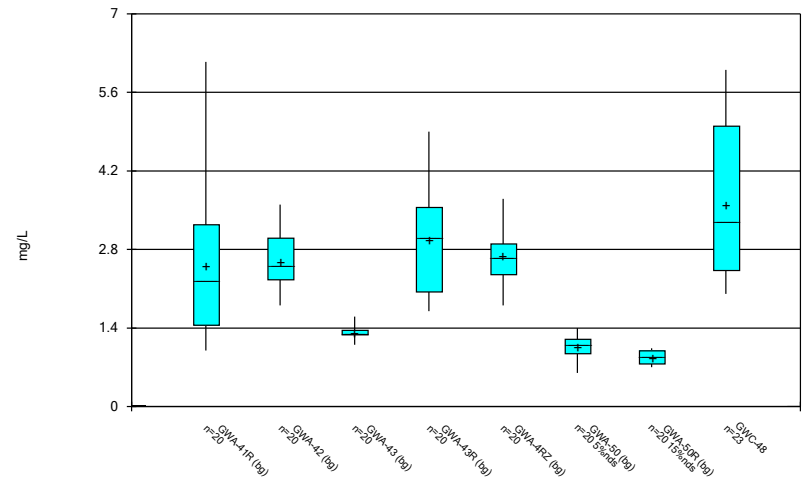
FIGURE N.

Box & Whiskers Plot



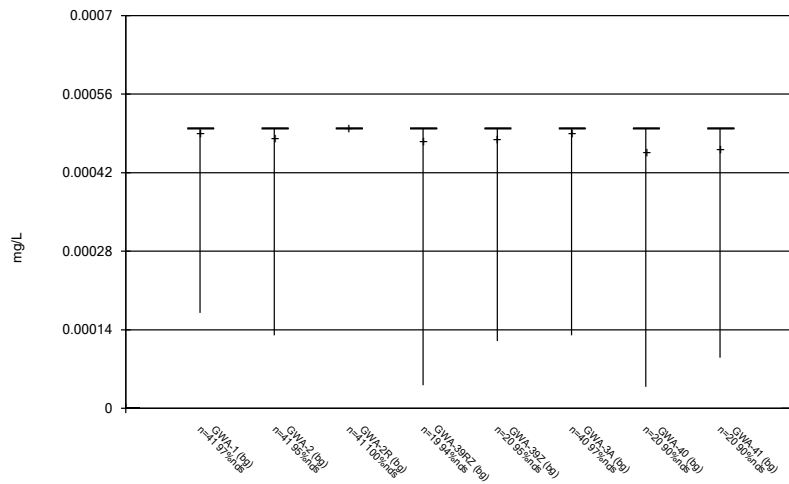
Constituent: Chloride, Total Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



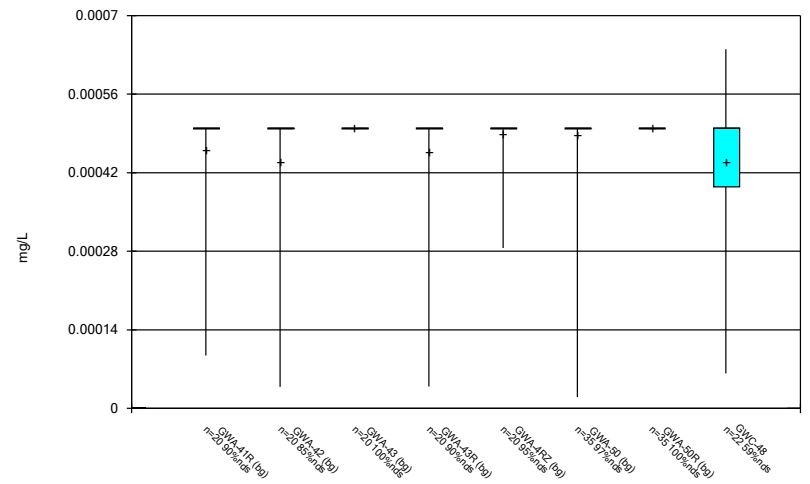
Constituent: Chloride, Total Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



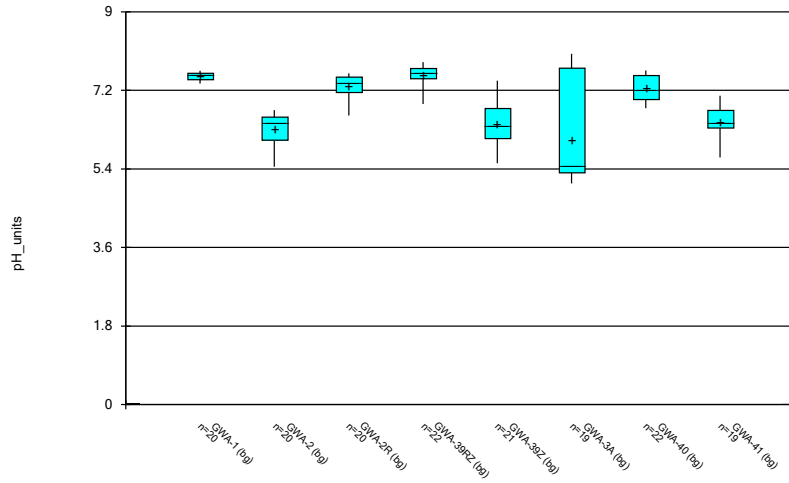
Constituent: Mercury Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



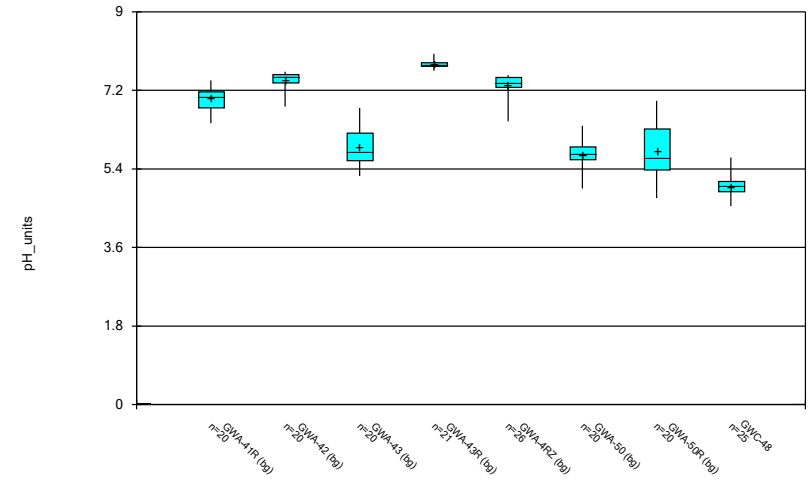
Constituent: Mercury Analysis Run 4/26/2023 10:17 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



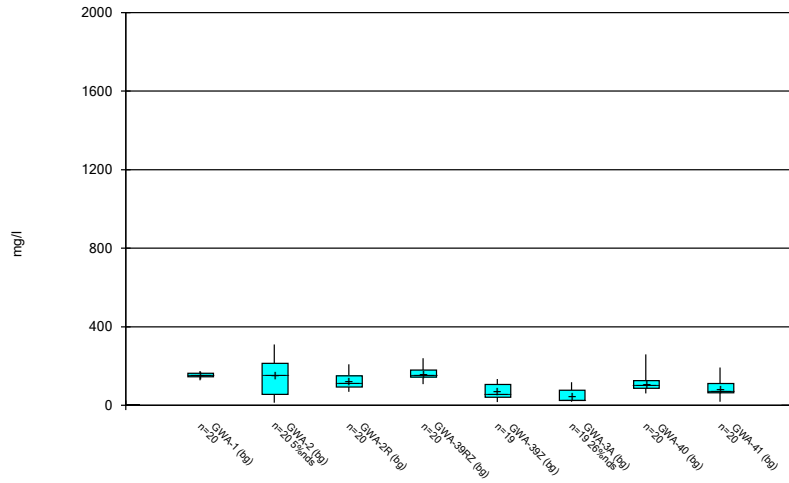
Constituent: pH Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



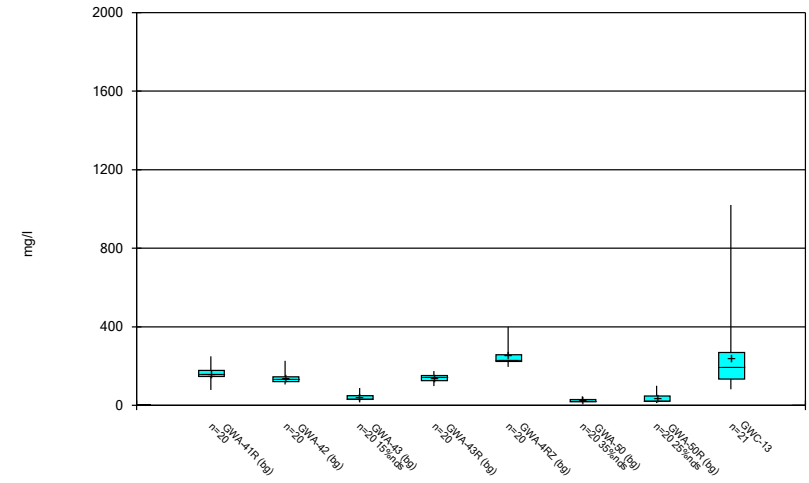
Constituent: pH Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:18 AM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE O.

Appendix III Intrawell Prediction Limits - 4/2023 Resample - All Results (No Significant)

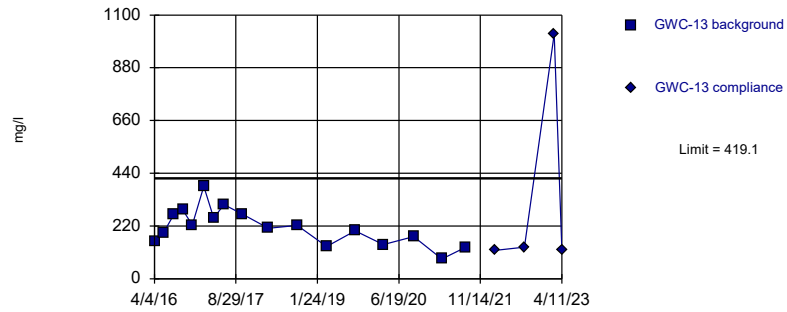
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	4/11/2023	120	No	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=214.5, Std. Dev.=76.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.982, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/26/2023 10:23 AM View: Appendix III Intrawell - Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 4/26/2023 10:25 AM View: Appendix III Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020	143	
9/22/2020	176	
3/18/2021	82	
8/11/2021	131	
2/17/2022		119
8/18/2022		132
2/22/2023		1020
4/11/2023		120 (R)

FIGURE P.

Appendix I Interwell Prediction Limits - 3/2023 Resample - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 11:47 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	3/16/2023	0.00045	No	412	n/a	n/a	95.39	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005					
10/23/2007	<0.0005								
10/24/2007		<0.0005		<0.0005					
11/2/2007			<0.0005						
11/18/2007	<0.0005	<0.0005	<0.0005	<0.0005					
1/30/2008	<0.0005								
1/31/2008		<0.0005	<0.0005	<0.0005					
3/10/2008	<0.0005	<0.0005							
3/11/2008			<0.0005	<0.0005					
5/6/2008				0.000175					
5/13/2008	<0.0005	<0.0005							
5/14/2008			<0.0005						
12/4/2008		<0.0005		<0.0005					
12/5/2008	<0.0005		<0.0005						
12/12/2008					<0.0005	<0.0005			
4/15/2009	<0.0005		<0.0005						
4/21/2009		<0.0005		<0.0005					
4/23/2009					<0.0005	<0.0005			
10/6/2009					<0.0005	<0.0005			
10/7/2009	<0.0005			<0.0005					
10/8/2009		<0.0005	<0.0005						
4/21/2010		<0.0005							
4/26/2010				<0.0005					
4/27/2010								<0.0005	
4/28/2010			<0.0005						
5/3/2010	<0.0005				<0.0005				
9/28/2010		<0.0005							
9/30/2010								<0.0005	
10/4/2010				<0.0005					
10/6/2010			<0.0005						
10/11/2010					<0.0005				
10/12/2010	<0.0005								
4/12/2011		<0.0005							
4/13/2011				<0.0005					
4/14/2011								<0.0005	
4/21/2011			<0.0005						
4/27/2011	<0.0005				<0.0005				
10/4/2011		<0.0005							
10/5/2011				<0.0005				<0.0005	
10/13/2011			<0.0005						
10/17/2011	<0.0005								
10/19/2011					<0.0005				
4/3/2012		<0.0005							
4/11/2012				<0.0005				<0.0005	
5/1/2012			<0.0005		<0.0005				
5/2/2012	<0.0005								
10/2/2012					<0.0005	<0.0005			
10/8/2012	<0.0005								
10/9/2012		<0.0005	<0.0005	<0.0005					
4/9/2013								<0.0005	
4/10/2013					<0.0005				
4/11/2013		<0.0005	<0.0005						

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	<0.0005								
4/15/2013				<0.0005					
10/15/2013				<0.0005		<0.0005			
10/16/2013	<0.0005	<0.0005	<0.0005		<0.0005				
4/10/2014		<0.0005				<0.0005			
4/11/2014	<0.0005								
4/22/2014				<0.0005	<0.0005				
4/23/2014			<0.0005						
9/30/2014	<0.0005	<0.0005		<0.0005					
10/1/2014					<0.0005	<0.0005			
10/4/2014			<0.0005						
3/30/2015	<0.0005	<0.0005		<0.0005	<0.0005	2.02E-05 (J)			
3/31/2015			<0.0005						
10/11/2015					<0.0005	<0.0005			
10/12/2015			<0.0005						
10/13/2015	<0.0005	<0.0005		<0.0005					
3/10/2016							<0.0005		
3/11/2016								<0.0005	<0.0005
3/14/2016									
3/15/2016									
3/22/2016	<0.0005								
3/23/2016		<0.0005	<0.0005	<0.0005					
3/28/2016					<0.0005	<0.0005			
5/11/2016									
5/12/2016									
5/13/2016								<0.0005	<0.0005
5/16/2016									
5/17/2016							<0.0005		
5/19/2016	<0.0005	<0.0005							
5/20/2016				<0.0005					
5/23/2016			<0.0005			<0.0005			
5/25/2016					<0.0005				
7/19/2016								<0.0005	<0.0005
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016							<0.0005		
7/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
8/1/2016					<0.0005	<0.0005			
9/15/2016									
9/16/2016								<0.0005	<0.0005
9/19/2016									
9/20/2016							<0.0005		
9/21/2016									
9/22/2016		<0.0005	<0.0005						
9/23/2016	<0.0005			<0.0005					
9/26/2016					<0.0005	<0.0005			
11/2/2016								<0.0005	<0.0005
11/3/2016									
11/4/2016							<0.0005		
11/9/2016	<0.0005			<0.0005					
11/10/2016		<0.0005	<0.0005			<0.0005			

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
11/11/2016					<0.0005				
1/17/2017									
1/18/2017								<0.0005	<0.0005
1/23/2017							<0.0005		
1/30/2017	<0.0005				<0.0005	<0.0005			
1/31/2017		<0.0005	<0.0005	<0.0005					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017							<0.0005	<0.0005	<0.0005
3/30/2017	<0.0005		<0.0005	<0.0005					
4/3/2017		<0.0005			<0.0005				
4/7/2017						<0.0005			
5/24/2017									
6/6/2017								<0.0005	<0.0005
6/7/2017									
6/8/2017							<0.0005		
6/9/2017	<0.0005	<0.0005							
6/12/2017			<0.0005	<0.0005	<0.0005	<0.0005			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								<0.0005	<0.0005
9/25/2017									
9/26/2017									
9/29/2017							<0.0005		
10/2/2017	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
10/3/2017									
10/4/2017			<0.0005						
3/14/2018									<0.0005
3/15/2018							<0.0005	<0.0005	
3/16/2018	<0.0005	<0.0005			<0.0005	<0.0005			
3/19/2018			<0.0005	<0.0005					
3/21/2018									
9/12/2018								3.9E-05 (J)	<0.0005
9/13/2018							6.2E-05 (J)		
9/14/2018		<0.0005		<0.0005					
9/17/2018	<0.0005 (D)		<0.0005			<0.0005			
9/18/2018					<0.0005				
3/13/2019								<0.0005	<0.0005
3/14/2019									
3/15/2019							<0.0005		
3/19/2019		<0.0005			<0.0005	<0.0005			
3/20/2019	<0.0005		<0.0005	<0.0005					
3/21/2019									
9/9/2019									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
9/10/2019									
9/11/2019							<0.0005 (D)	<0.0005	<0.0005
9/12/2019	<0.0005			<0.0005 (D)	<0.0005				
9/13/2019		<0.0005	<0.0005			<0.0005			
3/6/2020									
3/9/2020							<0.0005	<0.0005	<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/12/2020									
9/10/2020									
9/11/2020									<0.0005
9/14/2020							0.00015 (J)	<0.0005	
9/15/2020	<0.0005	<0.0005		<0.0005	<0.0005				
9/16/2020						<0.0005			
9/17/2020									
3/10/2021									
3/11/2021							0.0002 (J)	<0.0005	<0.0005
3/12/2021									
3/16/2021	<0.0005	<0.0005							
3/17/2021				<0.0005	<0.0005	<0.0005			
3/29/2021			<0.0005						
8/4/2021							0.0005		
8/5/2021								9.6E-05 (J)	
8/6/2021									<0.0005
8/9/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/10/2021									
1/31/2022							0.00039	<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005		<0.0005		<0.0005			
2/2/2022			<0.0005		<0.0005				
2/3/2022									
4/28/2022							0.0004		
8/10/2022								<0.0005	
8/11/2022									<0.0005
8/12/2022									
8/15/2022							0.00038		
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005			
8/17/2022					<0.0005				
2/13/2023								<0.0005	
2/14/2023							0.00064		<0.0005
2/16/2023	0.00017 (J)	<0.0005		0.00013 (J)	<0.0005	<0.0005			
2/17/2023			0.00013 (J)						
3/16/2023							0.00045 (R)		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-42 (bg) GWA-39Z (bg) GWA-40 (bg) GWA-41 (bg) GWA-41R (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.0005						
3/14/2016		<0.0005					
3/15/2016			<0.0005	<0.0005	<0.0005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		<0.0005	<0.0005				
5/12/2016				<0.0005			
5/13/2016					<0.0005		
5/16/2016	<0.0005					<0.0005 (D)	
5/17/2016							
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016		<0.0005					
7/20/2016				<0.0005			
7/21/2016			<0.0005		<0.0005		
7/22/2016	<0.0005						
7/27/2016						<0.0005 (D)	
7/29/2016							
8/1/2016							
9/15/2016		<0.0005	<0.0005	<0.0005			
9/16/2016							
9/19/2016	<0.0005						
9/20/2016							
9/21/2016					<0.0005		
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016		<0.0005					
11/3/2016	<0.0005		<0.0005	<0.0005	<0.0005		
11/4/2016							
11/9/2016							
11/10/2016							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
11/11/2016							
1/17/2017	<0.0005		<0.0005		<0.0005		
1/18/2017		<0.0005		<0.0005			
1/23/2017							
1/30/2017							
1/31/2017							
2/21/2017						<0.0005	
2/22/2017							<0.0005
3/24/2017			<0.0005	<0.0005			
3/27/2017	<0.0005				<0.0005	<0.0005 (D)	
3/28/2017		<0.0005					
3/30/2017							
4/3/2017							
4/7/2017							<0.0005
5/24/2017			<0.0005				
6/6/2017				<0.0005	<0.0005		
6/7/2017	<0.0005	<0.0005					
6/8/2017						<0.0005 (D)	
6/9/2017							
6/12/2017							
6/14/2017							0.000286 (JD)
7/12/2017							<0.0005 (D)
7/17/2017						<0.0005 (D)	
7/20/2017							<0.0005 (D)
7/27/2017						<0.0005	
7/28/2017							<0.0005
8/9/2017						<0.0005	<0.0005
8/24/2017							<0.0005
9/22/2017							
9/25/2017				<0.0005	<0.0005		
9/26/2017	<0.0005	<0.0005	<0.0005				
9/29/2017						<0.0005 (D)	
10/2/2017							
10/3/2017							<0.0005 (D)
10/4/2017							
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
3/15/2018							
3/16/2018						<0.0005	
3/19/2018							
3/21/2018							<0.0005
9/12/2018		<0.0005	3.8E-05 (J)	<0.0005	<0.0005		
9/13/2018							
9/14/2018	3.8E-05 (J)					4.1E-05 (J)	
9/17/2018							
9/18/2018							<0.0005
3/13/2019			<0.0005				
3/14/2019	<0.0005			<0.0005	<0.0005	<0.0005	
3/15/2019		<0.0005					
3/19/2019							
3/20/2019							
3/21/2019							<0.0005 (D)
9/9/2019		<0.0005	<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/13/2023 11:47 AM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
9/10/2019	<0.0005			<0.0005 (D)	<0.0005		
9/11/2019							
9/12/2019							<0.0005 (D)
9/13/2019							
3/6/2020	<0.0005			<0.0005			
3/9/2020		<0.0005	<0.0005		<0.0005	<0.0005	
3/11/2020							
3/12/2020							<0.0005
9/10/2020	<0.0005	<0.0005		<0.0005	<0.0005		
9/11/2020			<0.0005				
9/14/2020							
9/15/2020							
9/16/2020						<0.0005	
9/17/2020							<0.0005
3/10/2021			<0.0005		<0.0005		
3/11/2021	<0.0005			<0.0005			
3/12/2021		<0.0005					
3/16/2021						<0.0005	<0.0005
3/17/2021							
3/29/2021							
8/4/2021	8E-05 (J)	0.00012 (J)	9.4E-05 (J)	9E-05 (J)	9.4E-05 (J)		
8/5/2021							
8/6/2021						<0.0005	
8/9/2021							
8/10/2021							<0.0005
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							
2/2/2022						<0.0005	
2/3/2022							<0.0005
4/28/2022							
8/10/2022	<0.0005	<0.0005					
8/11/2022				<0.0005	<0.0005		
8/12/2022			<0.0005				
8/15/2022							
8/16/2022						<0.0005	
8/17/2022							<0.0005
2/13/2023	0.00014 (J)	<0.0005	<0.0005	0.00017 (J)	0.00013 (J)		
2/14/2023						<0.0005	
2/16/2023							
2/17/2023							<0.0005
3/16/2023							

FIGURE Q.

Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

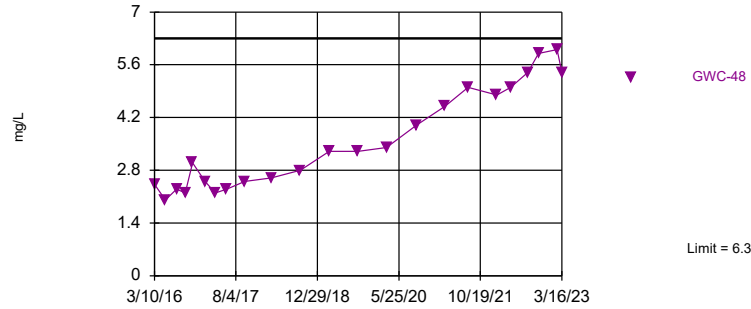
Appendix III Interwell Prediction Limits - 3/2023 & 4/2023 Resample - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/26/2023, 10:29 AM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride, Total (mg/L)	GWC-48	6.3	n/a	3/16/2023	5.4	No	300	n/a	n/a	2.667	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.73	4/11/2023	6.69	No	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.73	3/16/2023	4.55	Yes	310	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

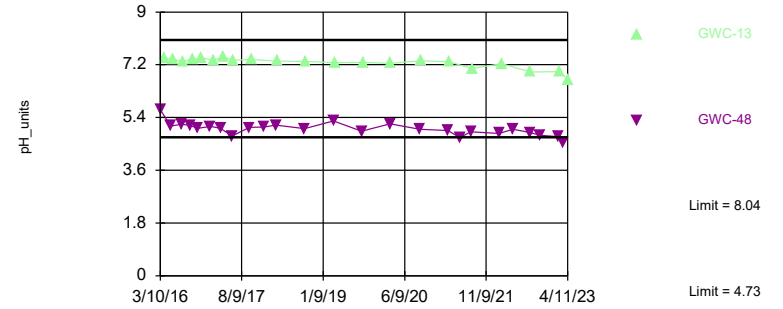


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 300 background values. 2.667% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Chloride, Total Analysis Run 4/26/2023 10:27 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-48

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 310 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 2 points to limit. Assumes 24 future values.

Constituent: pH Analysis Run 4/26/2023 10:27 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-1 (bg)
3/10/2016	2.4266								
3/11/2016		1.9467	2.4984	1.2562					
3/14/2016					1.795				
3/15/2016						6.1465	1.1671	4.1666	
3/22/2016									1.5101
3/23/2016									
3/28/2016									
5/11/2016					2.04		0.8763		
5/12/2016								1.78	
5/13/2016		2.14		1.32		3.08			
5/16/2016			2.22						
5/17/2016	2.01								
5/19/2016									1.5
5/20/2016									
5/23/2016									
5/25/2016									
7/19/2016		3.1		1.3	2.1				
7/20/2016								1.8	
7/21/2016						3.7	1.4		
7/22/2016			2.6						
7/27/2016	2.3								
7/29/2016									1.7
8/1/2016									
9/15/2016					1.7			1.4	
9/16/2016		3.5		1.2					
9/19/2016			2.5				1.1		
9/20/2016	2.2								
9/21/2016						2.4			
9/22/2016									
9/23/2016									1.8
9/26/2016									
11/2/2016		4.7		1.4	1.8				
11/3/2016			3			3.4	1.2	1.6	
11/4/2016	3								
11/9/2016									2
11/10/2016									
11/11/2016									
1/17/2017			2.9			1.9	1		
1/18/2017		4.9		1.2	1.7			1.5	
1/23/2017	2.5								
1/30/2017									1.5
1/31/2017									
2/21/2017									
2/22/2017									
3/24/2017							1.2	1.4	
3/27/2017			3			2.4			
3/28/2017	2.2	4.1		1.4	1.3				
3/30/2017									1.8
4/3/2017									
4/7/2017									
5/24/2017							1.5		
6/6/2017		3.6		1.4		4.5		2.8	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-1 (bg)
6/7/2017			3		1.2				
6/8/2017	2.3								
6/9/2017									1.6
6/12/2017									
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017		3.9		1.3					
9/25/2017						2.5		1.8	
9/26/2017			3.1		1.7		2.4		
9/29/2017	2.5								
10/2/2017									1.6
10/3/2017									
10/4/2017									
12/28/2017							3.9 (Y)		
3/14/2018			3.2	1.3	1.4	4 (J)	2.4	3	
3/15/2018	2.6	2.8							
3/16/2018									1.7
3/19/2018									
3/21/2018									
9/12/2018		3.1		1.3	1.6	2.1	1	1.4	
9/13/2018	2.8								
9/14/2018			2.3						
9/17/2018									1.55 (D)
9/18/2018									
3/13/2019		2.9		1.6			2.2		
3/14/2019			3.6			2.9		2.6	
3/15/2019	3.3				1.7				
3/19/2019									
3/20/2019									<1
3/21/2019									
9/9/2019					1.2		0.83 (X)		
9/10/2019			2			1.7		1.1	
9/11/2019	3.3	3.1		1.3					
9/12/2019									1.3
9/13/2019									
3/6/2020			2.7					1.3	
3/9/2020	3.4	2.2		1.2	1.2	1.3	1.5		
3/11/2020									1.4
3/12/2020									
9/10/2020			2		1.2	1.4		1.2	
9/11/2020				1.3			0.77 (J)		
9/14/2020	4	3.3							
9/15/2020									1.3
9/16/2020									
9/17/2020									
3/10/2021						1.6	0.97 (J)		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-1 (bg)
3/11/2021	4.5	2.7	2.5	1.3				1.5	
3/12/2021					1.2				
3/16/2021									1.3
3/17/2021									
3/29/2021									
8/4/2021	5		2.3		1.1	1.3	0.82 (J)	1.2	
8/5/2021		1.9							
8/6/2021				1.3					
8/9/2021									1.3
8/10/2021									
1/31/2022	4.8	1.7	2	1.1	1	1	0.71 (J)	1	
2/1/2022									1.2
2/2/2022									
2/3/2022									
4/28/2022	5								
8/10/2022		1.7	1.8		0.93 (J)				
8/11/2022				1.4		1.4		1.3	
8/12/2022							<1		
8/15/2022	5.4								
8/16/2022									0.99 (J)
8/17/2022									
10/21/2022	5.9 (R)								
2/13/2023		1.8	2.4		1.3	1.5	1.1	1.6	
2/14/2023	6			1.3					
2/16/2023									1.2
2/17/2023									
3/16/2023	5.4 (R)								

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2016							
3/11/2016							
3/14/2016							
3/15/2016							
3/22/2016							
3/23/2016	0.9079	1.6092	2.4904				
3/28/2016				1.14	0.9204		
5/11/2016							
5/12/2016							
5/13/2016							
5/16/2016						1.74 (D)	
5/17/2016							
5/19/2016	0.9136						
5/20/2016			1.71				
5/23/2016		1.52		1.19			
5/25/2016					1.04		
7/19/2016							
7/20/2016							
7/21/2016							
7/22/2016							
7/27/2016						2.1 (D)	
7/29/2016	1.1	1.5	2				
8/1/2016				1.2	0.85		
9/15/2016							
9/16/2016							
9/19/2016							
9/20/2016							
9/21/2016							
9/22/2016	1	1.4					
9/23/2016			1.8				
9/26/2016				1.1	0.87		
11/2/2016							
11/3/2016							
11/4/2016							
11/9/2016			1.6				
11/10/2016	1.2	1.6		1.3			
11/11/2016					0.99		
1/17/2017							
1/18/2017							
1/23/2017							
1/30/2017				1.2	0.95		
1/31/2017	1.2	1.6	1.3				
2/21/2017						4 (D)	
2/22/2017							3.7 (D)
3/24/2017							
3/27/2017						2.6 (D)	
3/28/2017							
3/30/2017		1.4	1.6				
4/3/2017	0.99				0.88		
4/7/2017				1.2			2.5 (D)
5/24/2017							
6/6/2017							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
6/7/2017							
6/8/2017						2.1 (D)	
6/9/2017	0.87						
6/12/2017		1.4	1.6	1.1	0.83		
6/14/2017							2.6 (D)
7/12/2017							2.8 (D)
7/17/2017						1.9 (D)	
7/20/2017							2.3 (D)
7/27/2017						3 (D)	
7/28/2017							2 (D)
8/9/2017						2.5 (D)	1.8 (D)
8/24/2017							2.9 (D)
9/22/2017							
9/25/2017							
9/26/2017							
9/29/2017						2.7 (D)	
10/2/2017	1		0.94	1.2	0.94		
10/3/2017							2.8 (D)
10/4/2017		1.5					
12/28/2017							
3/14/2018							
3/15/2018							
3/16/2018	1.6			1.4	<1	2.6	
3/19/2018		1.5	1.9				
3/21/2018							2.9
9/12/2018							
9/13/2018							
9/14/2018	0.92		0.98			1.9	
9/17/2018		1.5		1.1			
9/18/2018					1		3.1
3/13/2019							
3/14/2019						2.8	
3/15/2019							
3/19/2019	2			<1	<1		
3/20/2019		<1	<1				
3/21/2019							3.6 (D)
9/9/2019							
9/10/2019						2.3	
9/11/2019							
9/12/2019			0.815 (JD)		0.74 (J)		2.1 (D)
9/13/2019	0.94 (J)	1.5		1			
3/6/2020							
3/9/2020						1.5	
3/11/2020	0.6 (J)	1.4	2	0.91 (J)	0.73 (J)		
3/12/2020							2.3
9/10/2020							
9/11/2020							
9/14/2020							
9/15/2020	0.75 (J)		1.2		0.7 (J)		
9/16/2020				0.97 (J)		1.7	
9/17/2020							2.4
3/10/2021							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
3/11/2021							
3/12/2021							
3/16/2021	0.73 (J)					1.3	2.7
3/17/2021			1.4	1 (J)	0.81 (J)		
3/29/2021		1.5					
8/4/2021							
8/5/2021							
8/6/2021						1.3	
8/9/2021	1.1	1.4	1.5	1 (J)	0.78 (J)		
8/10/2021							2.8
1/31/2022							
2/1/2022	0.77 (J)		1.4	0.91 (J)			
2/2/2022		1.9			0.7 (J)	1.5	
2/3/2022							2.6
4/28/2022							
8/10/2022							
8/11/2022							
8/12/2022							
8/15/2022							
8/16/2022	0.82 (J)	2.5	1.1	0.69 (J)		1.6	
8/17/2022					<1		2.6
10/21/2022							
2/13/2023							
2/14/2023						1.6	
2/16/2023	1.9		1.6	0.91 (J)	0.71 (J)		
2/17/2023		6.3					3
3/16/2023							

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-1 (bg)
3/10/2016	5.66								
3/11/2016		7.89	6.43	7.37					
3/14/2016					6.91				
3/15/2016						7.58	6.74	7.15	
3/22/2016									7.65
3/23/2016									
3/28/2016									
4/4/2016									
5/11/2016					6.51	7.24			
5/12/2016							6.41		
5/13/2016		7.86	6.8					7.29	
5/16/2016				7.55					
5/17/2016	5.11								
5/19/2016									7.6
5/20/2016									
5/23/2016									
5/25/2016									
5/31/2016									
7/19/2016		7.83	6.42		6.12				
7/20/2016							6.59		
7/21/2016						7.53		7.43	
7/22/2016				7.51					
7/27/2016	5.17								
7/29/2016									7.58
8/1/2016									
8/4/2016									
9/15/2016					5.96	7			
9/16/2016		7.75	6.19						
9/19/2016				7.52		7.19			
9/20/2016	5.12								
9/21/2016								7.05	
9/22/2016									
9/23/2016									7.57
9/26/2016									
9/29/2016									
11/2/2016		7.77	6.36		5.78				
11/3/2016				7.56		7.13	6.45	7.4	
11/4/2016	5.03								
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/28/2016									
1/17/2017				7.59		7.51		7.06	
1/18/2017		7.65	6.16		6.13		6.34		
1/23/2017	5.1								
1/30/2017									7.64
1/31/2017									
2/9/2017									
2/21/2017									
2/22/2017									
3/24/2017						7.55	6.42		
3/27/2017				7.63				7.13	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWC-48

GWA-43R (bg)

GWA-43 (bg)

GWA-42 (bg)

GWA-39Z (bg)

GWA-40 (bg)

GWA-41 (bg)

GWA-41R (bg)

GWA-1 (bg)

4/11/2023

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
3/10/2016								
3/11/2016								
3/14/2016								
3/15/2016								
3/22/2016								
3/23/2016	5.96	6.7	7.45					
3/28/2016				6.45	6.22			
4/4/2016						7.44		
5/11/2016								
5/12/2016								
5/13/2016								
5/16/2016							7.61 (D)	
5/17/2016								
5/19/2016			7.5					
5/20/2016		6.36						
5/23/2016	5.73				5.86			
5/25/2016				6.96				
5/31/2016						7.37		
7/19/2016								
7/20/2016								
7/21/2016								
7/22/2016								
7/27/2016							7.51 (D)	
7/29/2016	5.51	6.75	7.59					
8/1/2016				5.64	6.39			
8/4/2016						7.32		
9/15/2016								
9/16/2016								
9/19/2016								
9/20/2016								
9/21/2016								
9/22/2016	5.45		7.44					
9/23/2016		6.62						
9/26/2016				6.26	5.74			
9/29/2016						7.38		
11/2/2016								
11/3/2016								
11/4/2016								
11/9/2016		6.42						
11/10/2016	5.51		7.55		5.78			
11/11/2016				5.62				
11/28/2016						7.43		
1/17/2017								
1/18/2017								
1/23/2017								
1/30/2017				5.49	5.88			
1/31/2017	5.42	5.66	7.56					
2/9/2017						7.36		
2/21/2017							7.76 (D)	
2/22/2017								7.38 (D)
3/24/2017								
3/27/2017							7.7 (D)	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
3/28/2017								
3/30/2017	5.43	6.33						
4/3/2017			7.46	6.32				
4/7/2017					5.94			7.35 (D)
4/12/2017						7.46		
5/24/2017								
6/6/2017								
6/7/2017								
6/8/2017							7.69 (D)	
6/9/2017			7.24					
6/12/2017	5.47	6.6		6.48	5.81			
6/14/2017								7.3 (D)
6/16/2017						7.36		
7/11/2017								7.39
7/12/2017								7.39 (D)
7/17/2017							7.57 (D)	
7/19/2017								7.44
7/20/2017								7.44 (D)
7/26/2017							7.63	
7/27/2017							7.63	7.5
7/28/2017								7.5
8/8/2017							7.73	7.52
8/9/2017							7.73	7.52
8/23/2017								7.5
8/24/2017								7.5
9/22/2017								
9/25/2017								
9/26/2017								
9/29/2017							7.7 (D)	
10/2/2017		5.61	7.35	6.41	5.93			
10/3/2017								7.51 (D)
10/4/2017	5.23							
10/9/2017						7.38		
12/28/2017								7.32 (Y)
3/14/2018								
3/15/2018								
3/16/2018			7.31	5.46	5.64		7.49	
3/19/2018	5.4	6.55						
3/21/2018						7.33		7.3
9/12/2018								
9/13/2018								
9/14/2018		5.81	7.55				7.32	
9/17/2018	5.22				5.82			
9/18/2018				5.35				7.26
9/19/2018						7.31		
3/13/2019								
3/14/2019							7.46	
3/15/2019								
3/19/2019			7.2	6.01	5.93			
3/20/2019	5.22	5.71						
3/21/2019								7.28 (D)
3/23/2019						7.27		

Prediction Limit

Constituent: pH (pH_units) Analysis Run 4/26/2023 10:29 AM View: Appendix III Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-13	GWA-39RZ (bg)	GWA-4RZ (bg)
4/11/2023						6.69 (R)		

FIGURE R.

Intrawell Prediction Limits - Chloride GWC-48 Resample - All/Significant Results

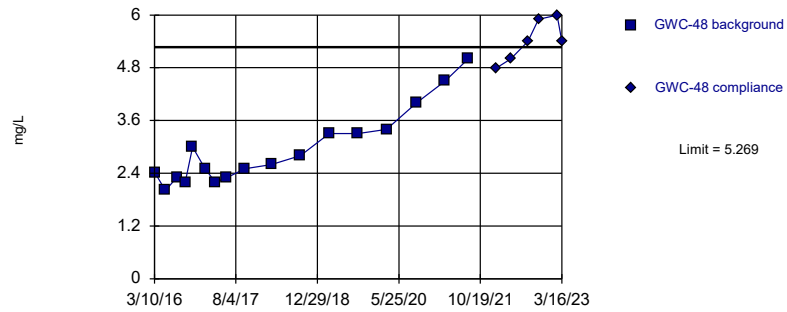
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 4/13/2023, 12:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.269	n/a	3/16/2023	5.4	Yes	17	2.961	0.86	0	None	No	0.0002894	Param Intra 1 of 2

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=2.961, Std. Dev.=0.86, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.871, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

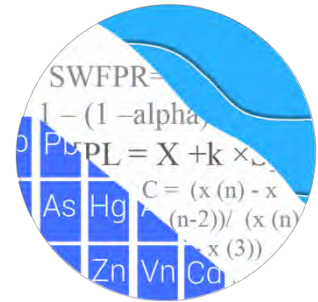
Constituent: Chloride, Total Analysis Run 4/13/2023 12:01 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 4/13/2023 12:02 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5
8/15/2022		5.4
10/21/2022		5.9 (R)
2/14/2023		6
3/16/2023		5.4 (R)

GROUNDWATER STATS CONSULTING



August 31, 2023

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 3 & 4
February 2023 Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the February 2023 sample event for Georgia Power Company's Plant Bowen Landfill Cells 3 & 4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The current monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-36A, GWA-36RA, GWA-37, GWA-38, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56
- **Downgradient:** GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, and GWC-25R

Note that upgradient well GWA-36RA was installed as a replacement well for upgradient well GWA-36R and was first sampled in July 2021. As requested, all historical data from well GWA-36R were combined with data from replacement well GWA-36RA.

Prior to the February 2023 sample event, the following upgradient wells were abandoned and are no longer sampled:

- GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56

Additionally, the well casing for upgradient well GWA-36 was reportedly damaged before the August 2022 sample event and the well has since been abandoned. The historical data from these abandoned upgradient wells still provide context for the groundwater quality upgradient of the facility and are, therefore, used in constructing statistical limits. Upgradient well GWA-36A was installed as a replacement for upgradient well GWA-36 and is plotted on time series and box plots. Well GWA-36A has sufficient samples (minimum of 2), and data from this well will be used along with neighboring upgradient well data to construct interwell prediction limits for Appendix III parameters. Intrawell prediction limits will be constructed for this well for Appendix III parameters when a minimum of 8 samples is available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The constituents listed below are evaluated in this report. The terms “parameters” and “constituents” are interchangeable.

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia Appendix I EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix I well/constituent pairs with 100% non-detects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contains varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. A single reporting limit substitution is used across all wells in the time series plots for a given parameter since the wells are plotted as a group.

Reporting limit changes may occur depending on laboratory capabilities. In the case of beryllium, a change in laboratories resulted in a decrease in the reporting limit. The historic reporting limit of 0.003 mg/L was substituted in place of the most recent reporting limit of 0.0005 mg/L, as requested by Stantec, to be consistent with previous statistical limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening report and demonstrated that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (chloride, pH, sulfate, and TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride)
- # Constituents: 7
- # Downgradient wells: 11

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of statistically significant increases (SSIs) that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that

an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening Georgia EPD Constituents – Conducted in August 2019

Outliers Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of Tukey's outlier test as well as a discussion of potential outliers and flagged values were included with the background screening report.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine

whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant decreasing trends were noted, but adjustments were required only for barium in well GWA-53, copper in well GWA-37, and nickel in well GWC-16R. The magnitudes of all other trends were low relative to the average concentrations at each respective well. However, the decreasing trend for zinc at GWC-16R may require adjustment in the future, if it persists, in order to obtain a more conservative prediction limit. Statistically significant increasing trends were also noted but adjustments to eliminate the trends were required only for barium and zinc in upgradient well GWA-36 because the magnitudes of trends identified for all other well/constituent pairs were low relative to the average concentrations. Truncation of earlier data is based on the assumption that the increasing trend is not the result of the facility. Further discussion of this assumption is included with the use of intrawell methods. A summary of the background date ranges used for well/constituent pairs follows this letter.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistically significant differences among upgradient well data for several of the constituents, suggesting intrawell methods would be the most appropriate statistical method for these constituents. For constituents where variation is not identified, interwell analyses would typically be recommended. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level concentrations, and no records required any adjustments due to statistically significant increasing trends in downgradient well data, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs.

Summary of Background Update Georgia EPD Appendix I Constituents – April 2022

Outlier Analysis

Prior to updating background data, all Appendix I data were evaluated for the purpose of updating background data sets. Tukey's outlier test and visual screening were used to evaluate data for all wells and constituent through January 2022. All previously flagged outliers were confirmed and, although Tukey's test noted potential outliers in the newer set of measurements, only the highest concentrations of chromium and lead were flagged in upgradient well GWA-37 as all other measurements were similar to remaining concentrations within a given well.

Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. The Appendix I outliers are included in the outlier summary following this letter (Figure C).

Mann-Whitney

For all Appendix I constituents, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2018 to the new compliance samples at each well through August 2021. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. The following statistically significant results were identified:

Increasing

- Antimony: GWC-16R
- Barium: GWA-56 (upgradient)

Decreasing:

- Antimony: GWA-37 and GWA-53R (both upgradient), and GWC-18R
- Arsenic: GWC-16R and GWC-22R
- Barium: GWA-37 and GWA-55R (both upgradient), and GWC-18
- Beryllium: GWA-53 (upgradient)
- Cobalt: GWA-38 (upgradient) and GWC-22R
- Lead: GWA-53R (upgradient)
- Nickel: GWA-38 (upgradient) and GWC-16R

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data sets are not updated to include the newer data unless it can be reasonably justified that the change

in concentrations reflects an occurring shift unrelated to practices at the site. In the case of antimony at downgradient well GWC-16R and barium in upgradient well GWA-56, while the more recent medians were slightly higher than the background medians, recent concentrations were similar to those reported historically. Additionally, well GWA-56 reflects groundwater quality upgradient of the facility.

For the cases identified by the Mann-Whitney with statistically significant lower medians in more recent data compared to the historical medians, the more recent concentrations were also similar to those reported historically or resulted from more recent trace measurements compared to historical non-detect measurements.

Therefore, all records were updated through July/August 2021. Additionally, the previously truncated records, which continue to use the more recent portion of data, were updated with newer data through July/August 2021. The Mann-Whitney test results were included with the background update. All records for Appendix I constituents will be re-evaluated during the next background update.

Summary of Background Update CCR Appendix III Constituents – Conducted in April 2022

Outlier Analysis

Background data sets were last updated in March 2020 and a summary of the findings was submitted at that time. All Appendix III data were re-evaluated during the April 2022 analysis for the purpose of updating background data sets through August 2021.

Tukey's test and visual screening was used to screen data through August 2021 at all wells for chloride, pH, sulfate and TDS which are evaluated using intrawell prediction limits, and at pooled upgradient wells through January 2022 for boron, calcium, and fluoride which are evaluated using interwell prediction limits.

All previously identified outliers were confirmed and, although Tukey's test noted several new potential outliers, only the highest measurements for sulfate in downgradient wells GWC-17R and GWC-21R were flagged to construct statistical limits that are conservative (i.e., lower) from a regulatory perspective.

All remaining values identified by Tukey's test appeared to be representative of natural variation in groundwater quality. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the

accompanying data pages. The Appendix III outliers are included in the outlier summary following this letter (Figure C).

Mann-Whitney

For Appendix III constituents requiring intrawell prediction limits (chloride, pH, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2019 to the new compliance samples at each well through August 2021. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data.

The results of the Mann-Whitney test showed statistically significant differences for the following well/constituent pairs:

Increasing:

- None

Decreasing:

- Chloride: GWA-51RZ, GWA-53, GWA-53R (all upgradient), and GWC-16R, GWC-17R, GWC-22R, and GWC-25R
- pH: GWC-22R
- Sulfate: GWA-53, GWA-53R, GWA-54 (all upgradient), and GWC-18R, and GWC-22R
- TDS: GWC-17R

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. The cases identified with statistically significant Mann-Whitney results, however, were updated because while the newer data had lower medians, the reported concentrations were similar to those reported historically.

Therefore, all records for chloride, pH, sulfate, and TDS were updated through July/August 2021 for construction of intrawell prediction limits. Data sets will be re-evaluated during the next background update.

Trend Tests

For boron, calcium, and fluoride, which are evaluated using interwell prediction limits, the Sen's Slope/Mann-Kendall trend test was used to evaluate data in upgradient wells to determine whether concentrations are statistically significantly increasing, decreasing or stable over time. Statistically significant trends were noted in upgradient wells for the following:

Increasing

- Calcium: GWA-51RZ and GWA-55
- Fluoride: GWA-36RA and GWA-55

Decreasing

- Calcium: GWA-37

The increasing trends for fluoride in wells GWA-36RA and GWA-55 are an artifact of laboratory censoring at a higher level than detected values early in the record. For calcium at upgradient wells GWA-51RZ and GWA-55, the reported concentrations are similar to those in background and both wells exhibit similar patterns and concentrations which represents groundwater quality upgradient of the site. Therefore, no adjustments were required for these records.

The statistically significant decreasing trend noted for calcium in well GWA-37 was of short duration and relatively low in magnitude with concentrations similar to those in neighboring upgradient wells. Therefore, no adjustment was required for this record.

All well/constituent pairs were updated using all available data from upgradient wells through January 2022. Interwell prediction limits pool upgradient well data to establish background limits for boron, calcium, and fluoride and will be used to evaluate future semi-annual compliance samples at each downgradient well.

Evaluation of Georgia EPD Appendix I Constituents – February 2023

Intrawell limits constructed from screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through July/August 2021, except for the cases mentioned above, within each well with detections (Figure D). As mentioned above, upgradient wells GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56 were abandoned and not sampled during this sample event.

As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. Regarding beryllium, prediction limits were set at or near the reporting limit of 0.003 mg/L. No statistical exceedances resulted as compliance data were either reported trace values (i.e., estimated measurements less than the reporting limit) or non-detects.

For some well/constituent pairs containing <15% non-detects, such as chromium at downgradient well GWC-18, copper at upgradient well GWA-37, nickel at upgradient well GWA-37 and downgradient well GWC-16R, and zinc at upgradient well GWA-36RA and downgradient well GWC-16R, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

The February 2023 data from each well were compared to these intrawell background limits. No statistical analyses were included for well/constituent pairs with 100% non-detects and a list of these well/constituent pairs follows this report.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance

is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary of the Georgia EPD Appendix I prediction limits follows this report. No statistical exceedances were identified.

Two-Step Analysis

When exceedances occur in downgradient wells, the two-step analysis procedure is used and interwell prediction limits are then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances. Since no exceedances were identified, no further action was necessary.

Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. As mentioned above, since no exceedances were noted, no trend tests were required.

Evaluation of Appendix III Parameters – February 2023

Intrawell Prediction Limits

For chloride, pH, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through July/August 2021 (Figure E). The February 2023 sample from each well was compared to its respective background limit to determine whether exceedances over background are present. Apparent intrawell prediction limit exceedances were identified for the following well/constituent pairs:

- Chloride: GWA-38 (upgradient)
- pH (lower limit): GWA-36RA (upgradient), GWC-18R, GWC-19R, and GWC-20R
- Sulfate: GWA-36RA (upgradient), GWC-21R, and GWC-25R
- TDS: GWA-36RA (upgradient), GWC-16R, GWC-18, GWC-22R, and GWC-23R

For some well/constituent pairs such as TDS at upgradient well GWA-38, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation. Additionally, reporting limit changes from 10 mg/L to 25 mg/L for TDS at upgradient well GWA-37 and from resulted in a slight increase in the limit from 34.32 mg/L to 34.34 mg/L. No significant changes occurred.

Two-Step Analysis

Following the two-step analysis as described above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances among downgradient wells (Figure F). Exceedances were noted for the following well/constituent pairs:

- TDS: GWC-23R

Interwell Prediction Limits

For boron, calcium, and fluoride, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all pooled upgradient well data through February 2023 (Figure G). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. As mentioned above, abandoned wells GWA-36, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56 were not sampled, but historic data were used to construct statistical limits.

The February 2023 sample from each downgradient well was compared to the background limits to determine whether exceedances over background are present. The following interwell prediction limits exceedances were noted:

- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limit for both intrawell and interwell methods were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents (Figure H). Complete graphical results of the trend tests

follow this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Calcium: GWA-51RZ, GWA-55, GWA-55R (all upgradient), GWC-16R and GWC-23R
- Sulfate: GWA-51RZ (upgradient), GWC-21R, and GWC-23R
- TDS: GWA-55, GWA-55R (both upgradient), and GWC-23R

Decreasing

- Calcium: GWA-37 (upgradient)
- pH: GWA-36, GWA-36RA, GWA-37, and GWA-54 (all upgradient)
- Sulfate: GWA-36, GWA-53, GWA-53R, and GWA-54 (all upgradient)

Summary

Based on the results of the Appendix I and III constituents evaluated using intrawell prediction limits, interwell prediction limits were constructed to further evaluate apparent intrawell exceedances according to the Two-Step Approach. The following interwell prediction limit exceedances were identified for the February 2023 samples and resamples for the Appendix III constituents:

Appendix I

- None

Appendix III

- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R
- TDS: GWC-23R

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 3 & 4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Date Ranges

Date: 3/24/2023 3:25 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Barium (mg/L)

GWA-36 background:3/17/2015-8/6/2021

GWA-53 background:6/24/2015-7/29/2021

Copper (mg/L)

GWA-37 background:3/17/2015-7/28/2021

Nickel (mg/L)

GWC-16R background:3/3/2015-7/30/2021

Zinc (mg/L)

GWA-36 background:3/17/2015-8/6/2021

100% Non-Detects: Appendix I

Analysis Run 3/22/2023 5:15 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Antimony (mg/L)

GWA-38, GWC-19R, GWC-22R

Beryllium (mg/L)

GWC-16R, GWC-17R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Cadmium (mg/L)

GWC-16R, GWC-17R, GWC-18R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Cobalt (mg/L)

GWC-17R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Lead (mg/L)

GWC-20R

Nickel (mg/L)

GWC-17R, GWC-18R, GWC-20R

Selenium (mg/L)

GWA-36RA, GWA-37, GWA-38, GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-24R, GWC-25R

Silver (mg/L)

GWA-36RA, GWA-37, GWC-18, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Thallium (mg/L)

GWA-37, GWA-38, GWC-17R, GWC-18R, GWC-19R, GWC-24R, GWC-25R

Vanadium (mg/L)

GWC-25R

Appendix I Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36RA	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.004519	n/a	2/8/2023	0.0013J	No	26	0.00223	0.0009357	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-16R	0.02603	n/a	2/10/2023	0.02	No	26	0.07942	0.03348	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.008799	n/a	2/9/2023	0.0064	No	26	0.06001	0.01382	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.003ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	2/9/2023	0.003ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	25	n/a	n/a	56	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0053	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.0071	n/a	2/9/2023	0.0025J	No	25	n/a	n/a	52	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.003J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.006	n/a	2/10/2023	0.0032J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36RA	0.03814	n/a	2/8/2023	0.038	No	26	0.0232	0.00611	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.01361	n/a	2/8/2023	0.0039J	No	26	0.007654	0.002436	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.0171	n/a	2/8/2023	0.013	No	25	0.1121	0.007602	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.07407	n/a	2/10/2023	0.053	No	26	0.04775	0.01076	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02164	n/a	2/10/2023	0.018	No	25	0.01957	0.0008404	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04773	n/a	2/9/2023	0.016	No	25	0.02719	0.008349	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.01679	n/a	2/9/2023	0.015	No	23	4.1e-8	1.5e-8	4.348	None	x^4	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01836	n/a	2/9/2023	0.015	No	25	0.01594	0.0009874	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03538	n/a	2/10/2023	0.031	No	26	0.02974	0.002305	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.04026	n/a	2/9/2023	0.031	No	26	0.02498	0.006248	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-22R	0.06902	n/a	2/9/2023	0.04	No	26	0.03979	0.01195	3.846	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	2/10/2023	0.038	No	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03243	n/a	2/9/2023	0.018	No	25	0.02258	0.004006	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.018	n/a	2/9/2023	0.016	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36RA	0.0032	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	42.31	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.00015J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36RA	0.0006434	n/a	2/8/2023	0.0005ND	No	26	-8.6	0.5115	30.77	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-37	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.0012J	No	26	n/a	n/a	19.23	n/a	n/a	0.002667	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results (No Significant) ^{Page 2}

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.0011J	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.00595	n/a	2/9/2023	0.0015J	No	24	0.002869	0.001242	12.5	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.008	n/a	2/9/2023	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	2/9/2023	0.0017J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.003071	n/a	2/8/2023	0.001J	No	22	0.001593	0.0005858	0	None	No	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	23.08	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.00043J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.0231	n/a	2/8/2023	0.011	No	16	0.01075	0.004559	6.25	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.004119	n/a	2/10/2023	0.0012J	No	21	0.04187	0.008771	19.05	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWC-17R	0.0124	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0047	n/a	2/8/2023	0.001ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.0016	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36RA	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results (No Significant) ^{Page 3}

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-21R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02736	n/a	2/8/2023	0.012	No	21	0.01298	0.005654	4.762	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-38	0.01241	n/a	2/8/2023	0.00091J	No	21	-6.322	0.7598	23.81	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-16R	0.02679	n/a	2/10/2023	0.005	No	17	0.01134	0.005781	5.882	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.001104	n/a	2/10/2023	0.001ND	No	26	0.01531	0.007327	26.92	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	2/9/2023	0.00029J	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	2/10/2023	0.003J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36RA	0.2229	n/a	2/8/2023	0.0086J	No	20	0.2283	0.09508	5	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01868	n/a	2/8/2023	0.02ND	No	21	0.08422	0.02062	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.02	n/a	2/8/2023	0.02ND	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.1436	n/a	2/10/2023	0.017J	No	21	0.2147	0.06456	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	42.86	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	2/10/2023	0.02ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.045	n/a	2/9/2023	0.012J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36RA	3.641	n/a	2/8/2023	3.1	No	17	2.93	0.2972	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.427	n/a	2/8/2023	1.1	No	17	0.977	0.1882	5.882	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.97	n/a	2/10/2023	1.8	No	17	1.716	0.5242	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	8.196	n/a	2/10/2023	4.7	No	17	5.841	0.9845	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.662	n/a	2/9/2023	2.5	No	17	1.472	0.06659	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	2/9/2023	2.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	2.953	n/a	2/9/2023	2.7	No	17	2.441	0.214	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.542	n/a	2/10/2023	2	No	17	1.768	0.3233	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.542	n/a	2/9/2023	4.5	No	17	4.188	0.5658	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.295	n/a	2/9/2023	2.7	No	17	2.728	0.2371	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-23R	2.864	n/a	2/10/2023	2	No	17	1.939	0.3865	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.25	n/a	2/9/2023	2.5	No	17	5.819	1.983	5.882	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.132	n/a	2/9/2023	2.6	No	17	2.594	0.225	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	2/8/2023	5.3	No	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	2/8/2023	5.13	No	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	2/10/2023	7.02	No	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	2/10/2023	7.12	No	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.389	5.993	2/9/2023	6.68	No	17	2135	353.4	0	None	x^4	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	2/9/2023	7.13	No	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	2/9/2023	7.05	No	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	2/10/2023	7.01	No	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	7.983	6.832	2/9/2023	7.44	No	17	7.408	0.2406	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.983	7.191	2/9/2023	7.51	No	17	7.587	0.1654	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.121	n/a	2/8/2023	0.75J	No	17	0.6744	0.1865	29.41	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.638	n/a	2/8/2023	0.9J	No	17	1.136	0.6276	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	14.24	n/a	2/10/2023	12.1	No	17	7.264	2.917	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	8.894	n/a	2/10/2023	7.6	No	16	6.593	0.9504	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.57	n/a	2/9/2023	2.3	No	17	1.96	0.2549	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.835	n/a	2/9/2023	2.4	No	16	2.259	0.2378	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	2/9/2023	4	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.892	n/a	2/10/2023	1.8	No	17	1.893	0.7053	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.913	n/a	2/9/2023	2	No	16	1.998	0.3782	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	124	n/a	2/10/2023	86.7	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-24R	11.3	n/a	2/9/2023	2.9	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	34.34	n/a	2/8/2023	25ND	No	15	17.84	6.664	33.33	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	107.8	n/a	2/8/2023	31	No	17	5.762	1.933	29.41	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	390.6	n/a	2/10/2023	302	No	17	318.3	30.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	183.1	n/a	2/9/2023	171	No	17	140.2	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	216.8	n/a	2/9/2023	171	No	17	166.3	21.11	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.5	n/a	2/10/2023	226J	No	17	191.6	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	383.4	n/a	2/9/2023	317	No	17	85308	25795	0	None	x^2	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	2/9/2023	147	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	196.3	n/a	2/9/2023	169	No	17	24995	5655	0	None	x^2	0.0006839	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-18R	8.34	4.69	2/9/2023	7.46	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-19R	8.34	4.69	2/9/2023	7.38	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-20R	8.34	4.69	2/10/2023	7.34	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21R	132.5	n/a	2/9/2023	16.8	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	132.5	n/a	2/9/2023	2.3	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	410	n/a	2/10/2023	369	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	410	n/a	2/9/2023	175	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	410	n/a	2/9/2023	328	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	2/10/2023	0.02J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	2/9/2023	0.012J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	54.8	n/a	2/9/2023	26.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18R	54.8	n/a	2/9/2023	31.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19R	54.8	n/a	2/9/2023	33.7	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20R	54.8	n/a	2/10/2023	38.4	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22R	54.8	n/a	2/9/2023	37	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24R	54.8	n/a	2/9/2023	32.8	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25R	54.8	n/a	2/9/2023	35.6	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	2/10/2023	0.22	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	2/10/2023	0.057J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	2/9/2023	0.072J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	2/10/2023	0.054J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	2/9/2023	0.064J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	2/9/2023	0.052J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	2/10/2023	0.078J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	2/9/2023	0.053J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

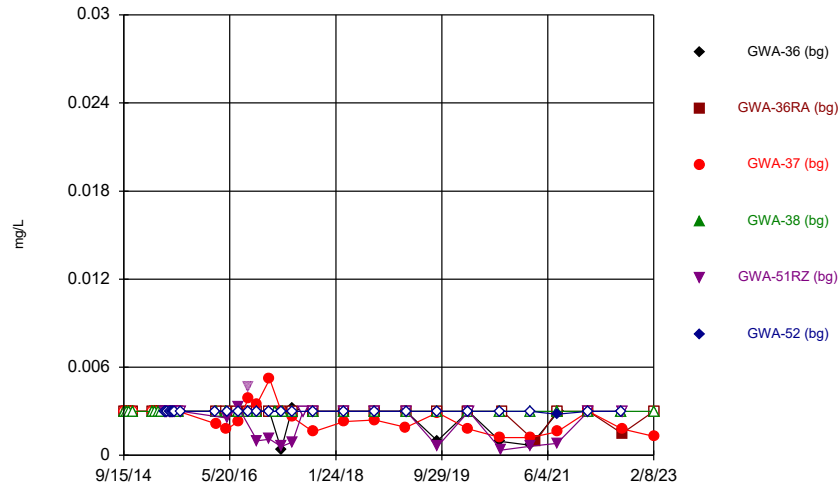
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.299	-55	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36RA (bg)	1.227	57	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.05892	-24	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.3552	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	0.2237	38	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.4349	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2535	-50	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	0.6697	25	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.6242	49	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.452	81	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-38 (bg)	-0.07368	-66	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-51RZ (bg)	-0.01096	-9	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-52 (bg)	-0.02658	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53 (bg)	-0.02035	-69	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53R (bg)	-0.02694	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55 (bg)	-0.05556	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55R (bg)	-0.07241	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-56 (bg)	-0.03349	-38	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-18R	-0.01884	-58	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-19R	-0.002892	-18	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-20R	0.01457	25	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36RA (bg)	1.049	78	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	0.01014	27	81	No	20	35	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.1645	-74	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	0.4686	24	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	2.654	49	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.646	62	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	-5.801	-45	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-5.809	-41	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36RA (bg)	7.978	57	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	-4	-68	No	18	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	-1.591	-64	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	0.9489	9	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	1.996	24	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	3.456	36	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	0.8352	15	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	-1.665	-24	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	-2.005	-7	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-16R	7.776	75	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-18	4.699	39	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-22R	2.066	40	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

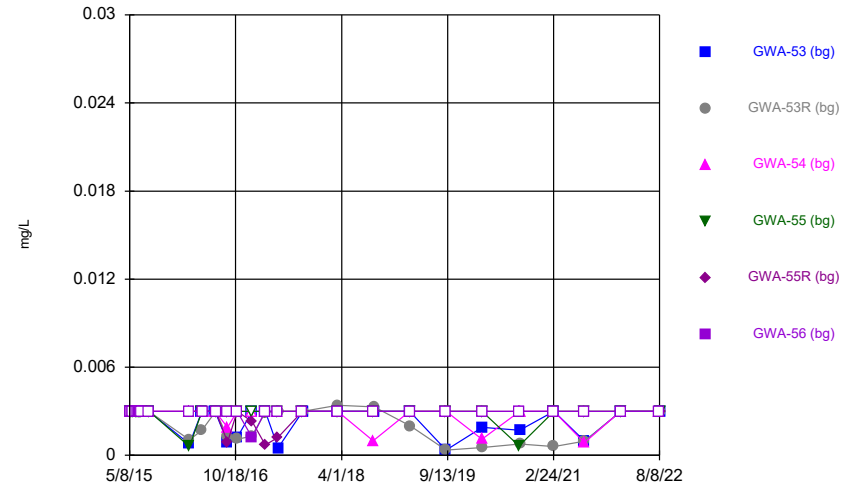
FIGURE A.

Time Series



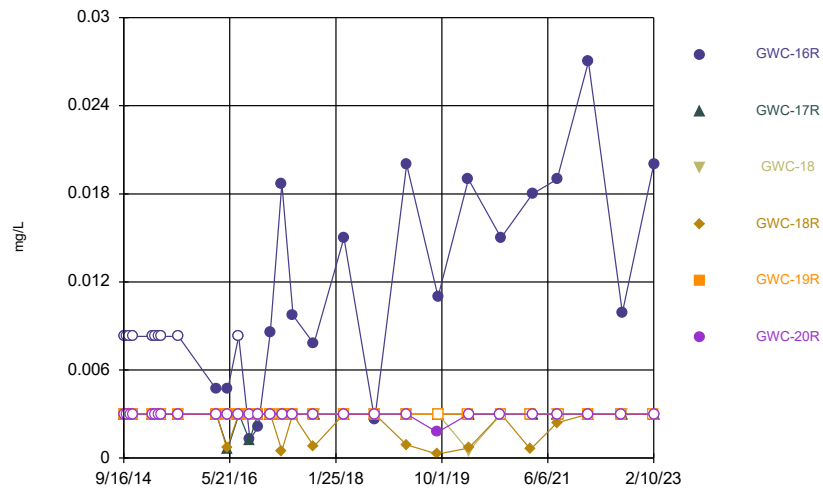
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



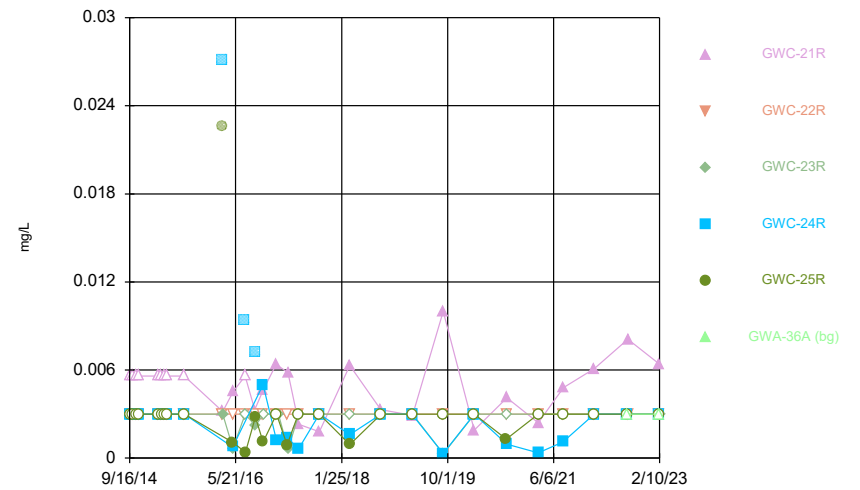
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Time Series



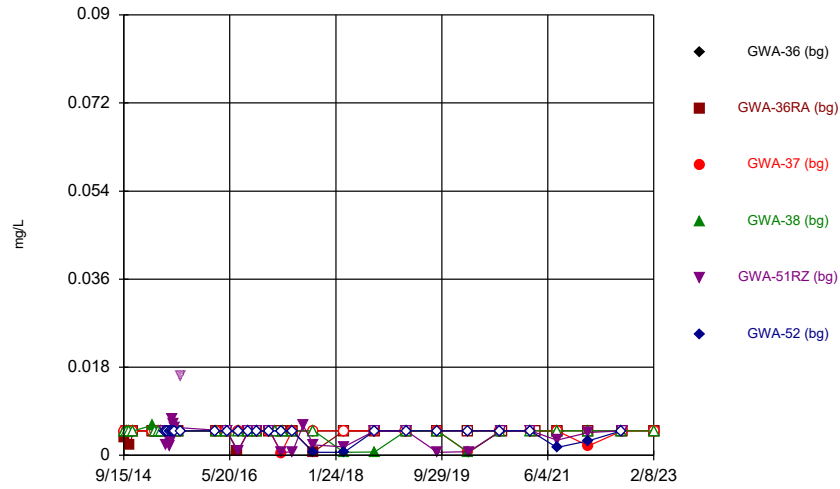
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Time Series



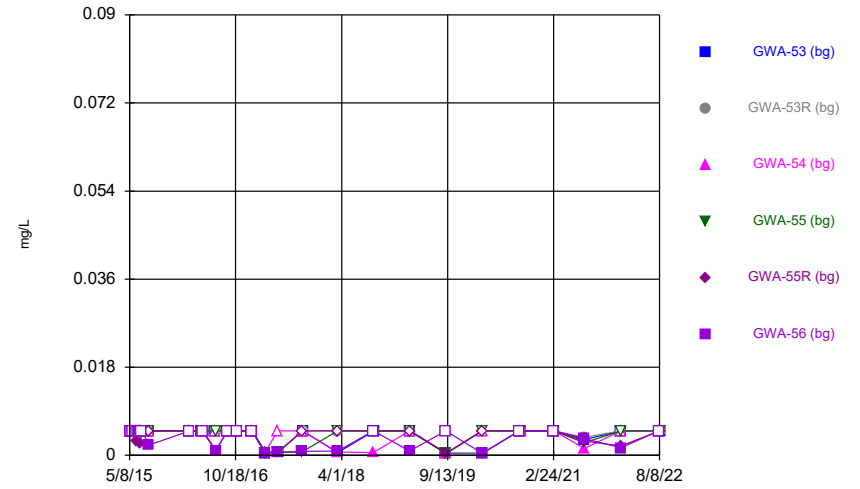
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



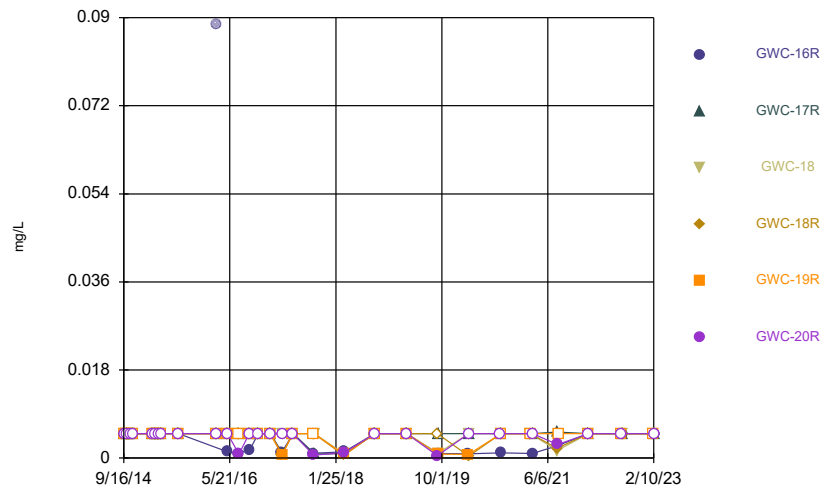
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



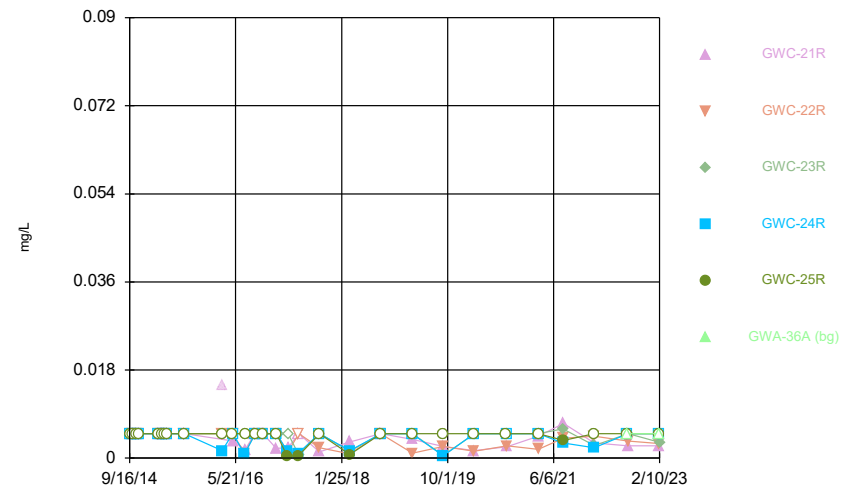
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



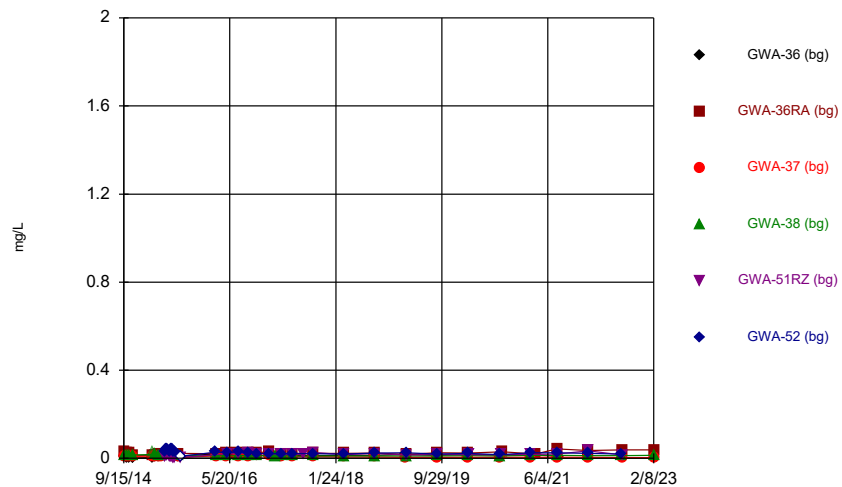
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



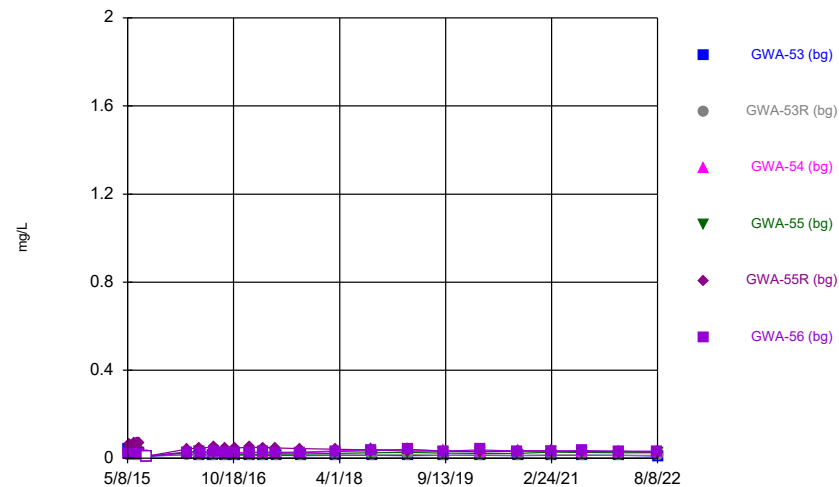
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



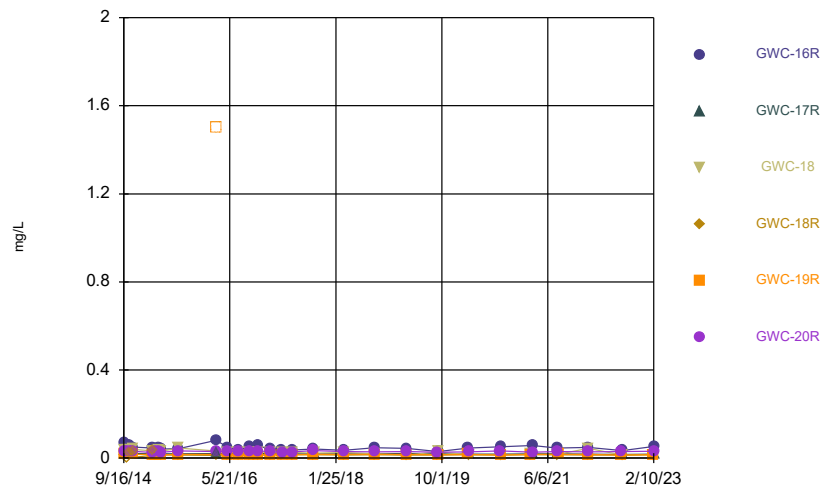
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Time Series



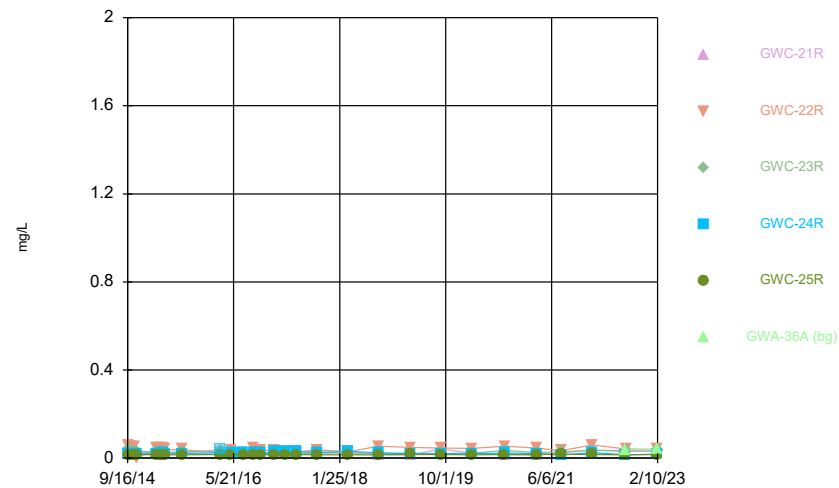
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



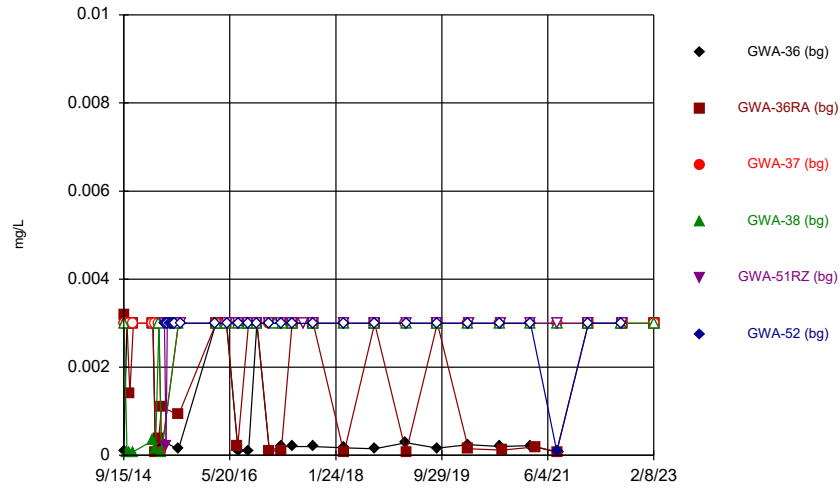
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Time Series



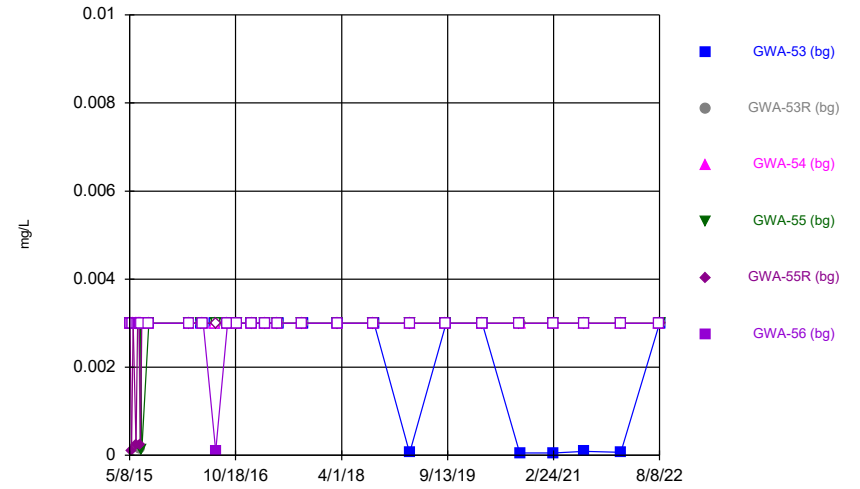
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



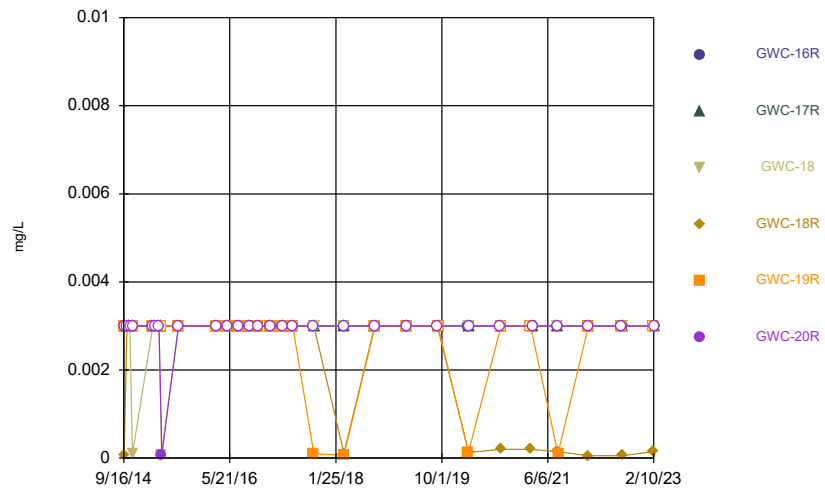
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



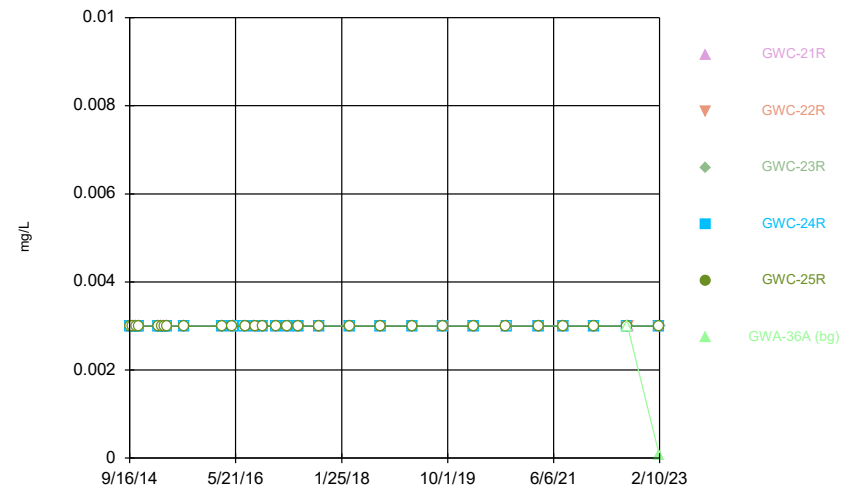
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



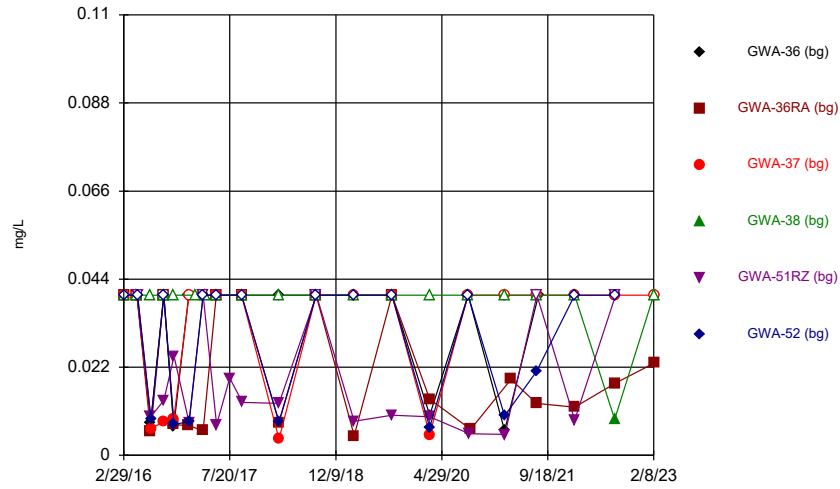
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



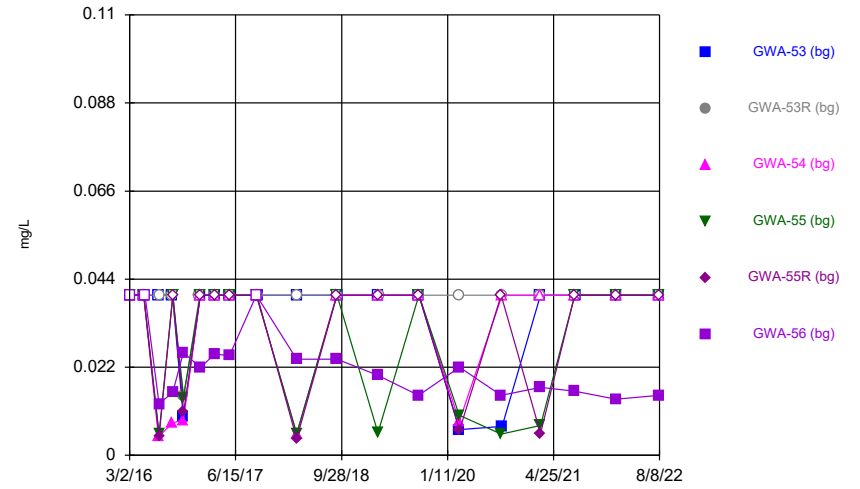
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



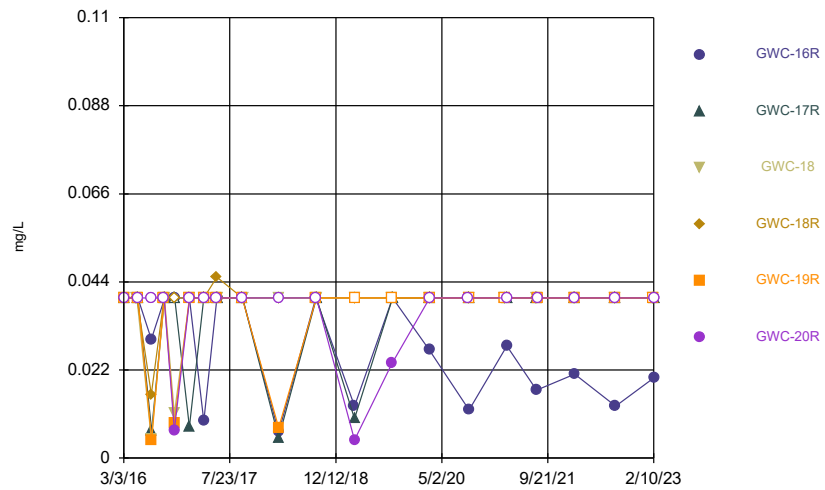
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



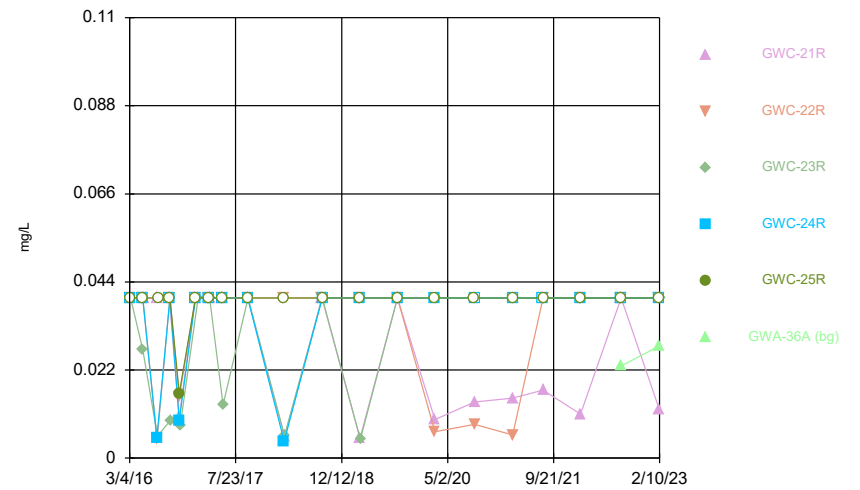
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



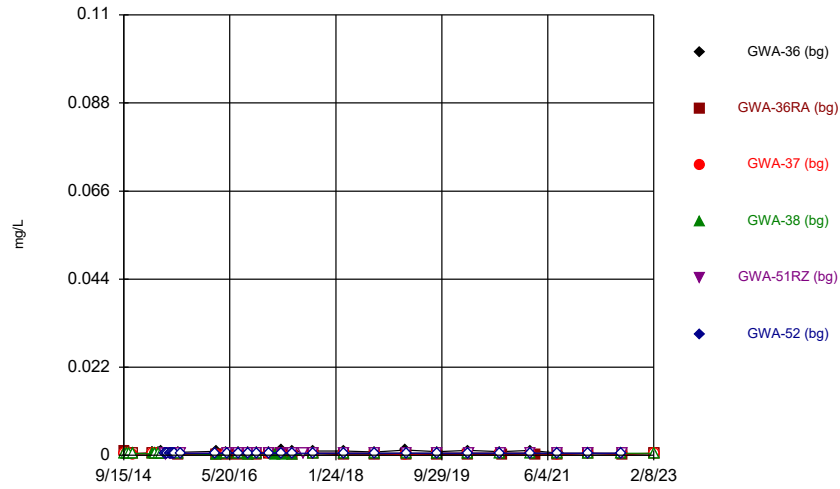
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



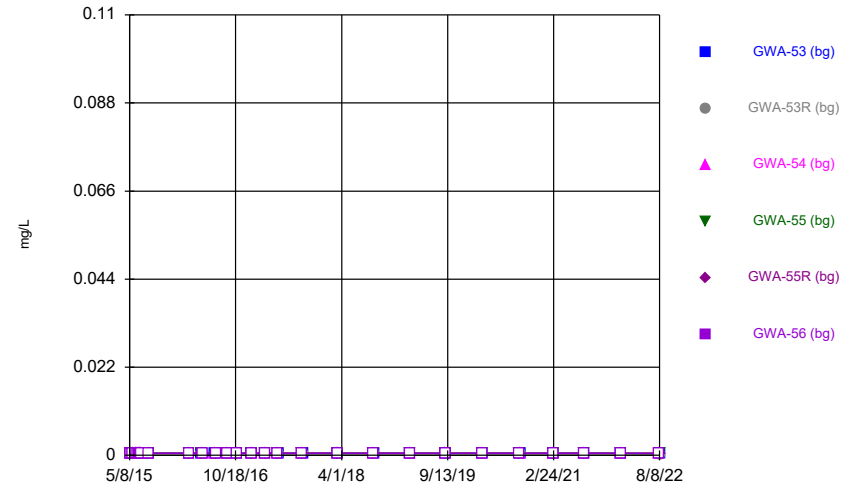
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



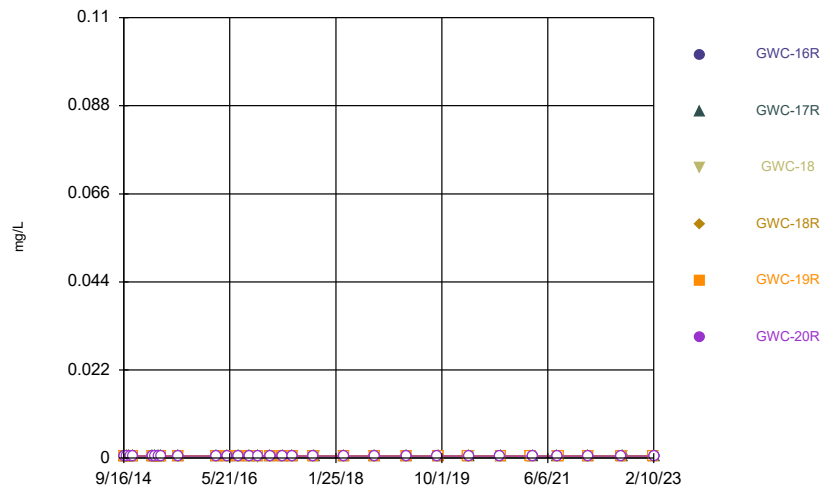
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



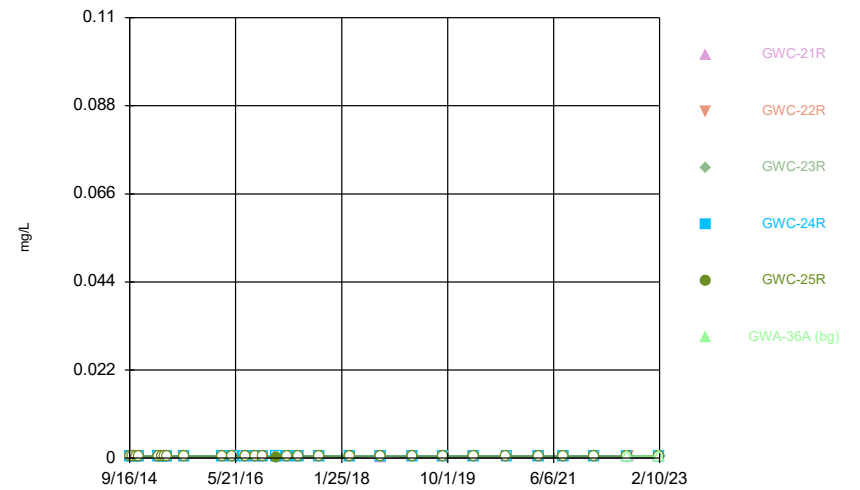
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



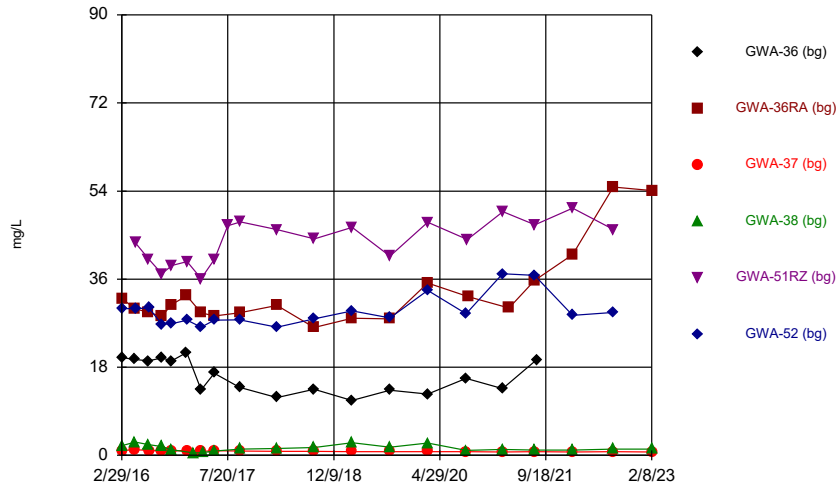
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



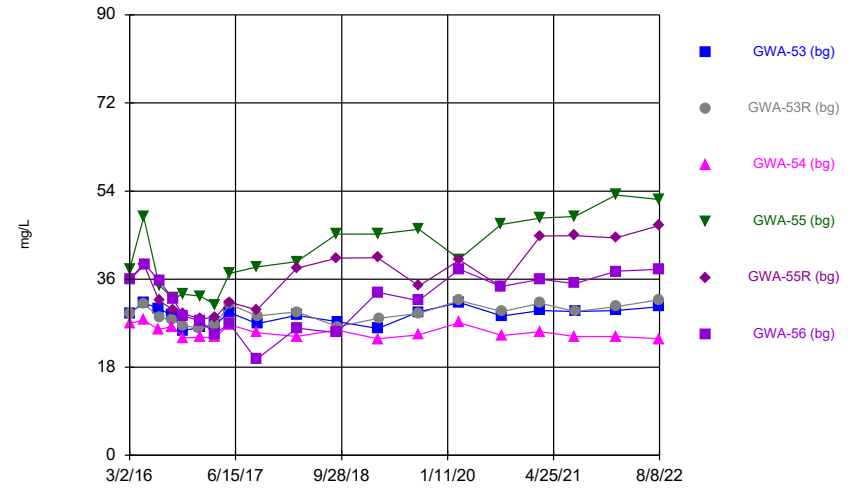
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



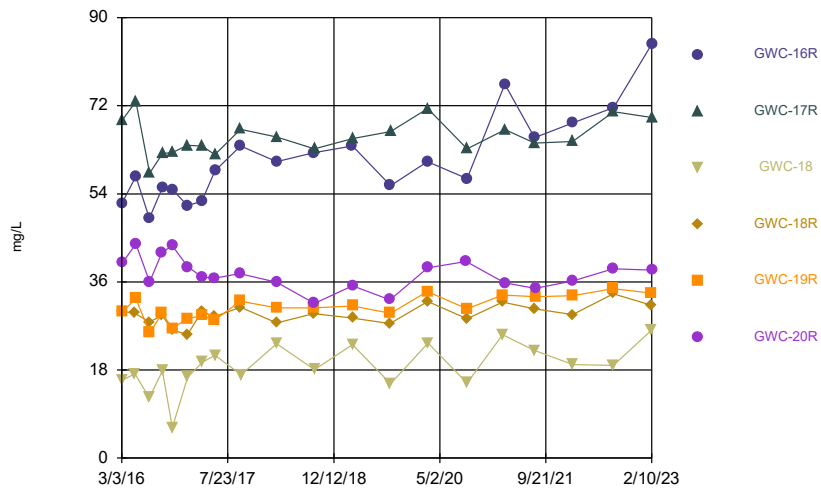
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



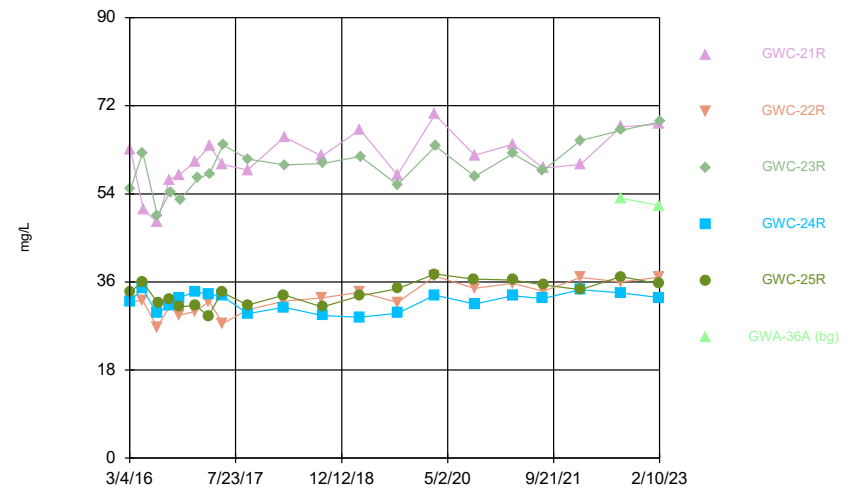
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



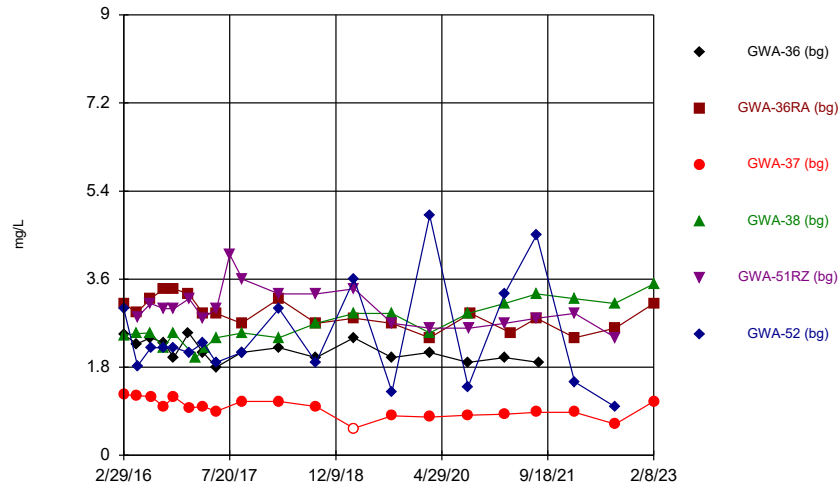
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



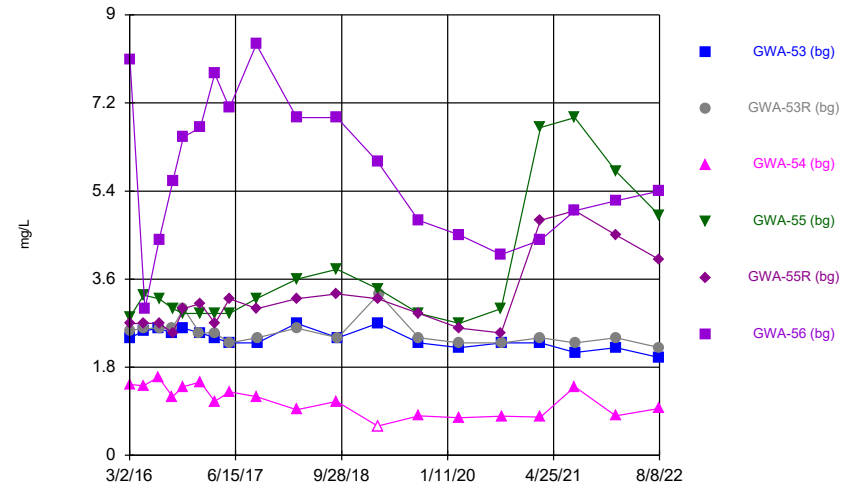
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



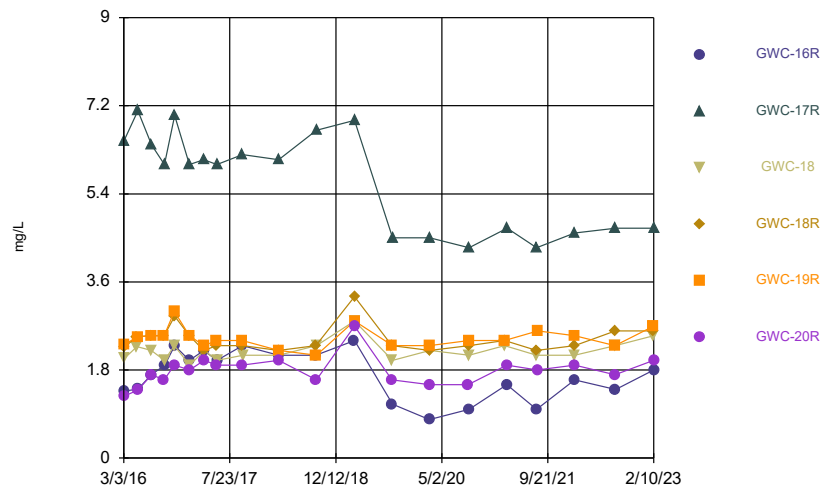
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



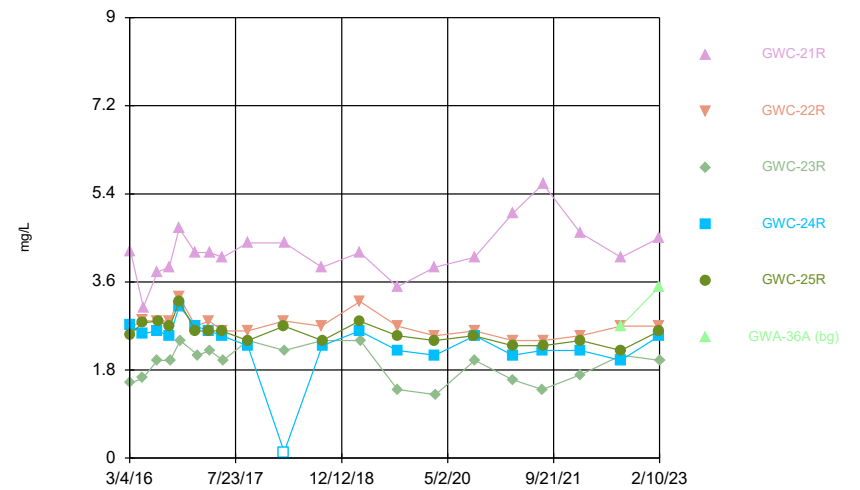
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Time Series



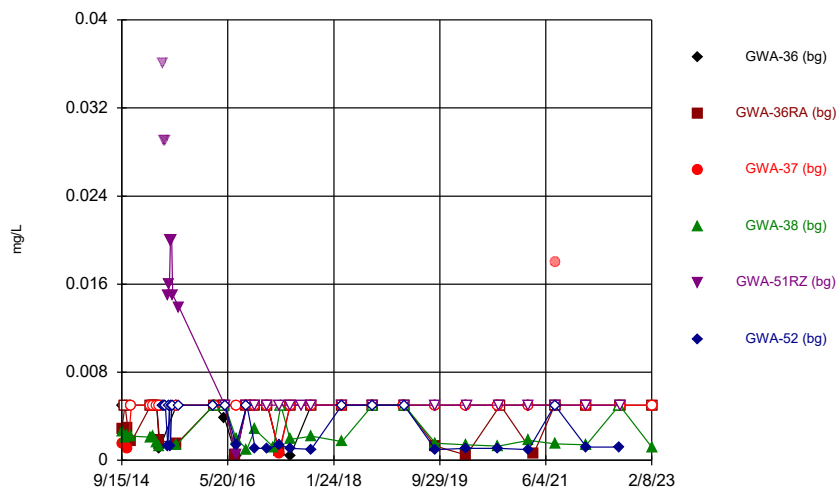
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Time Series



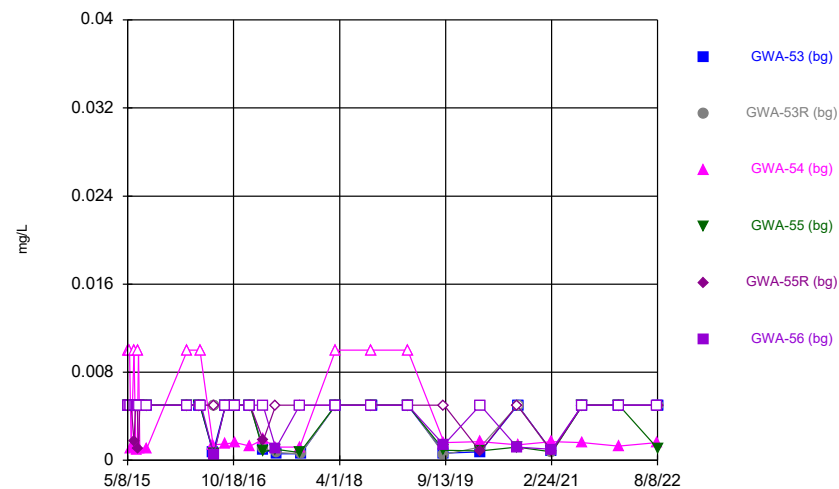
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



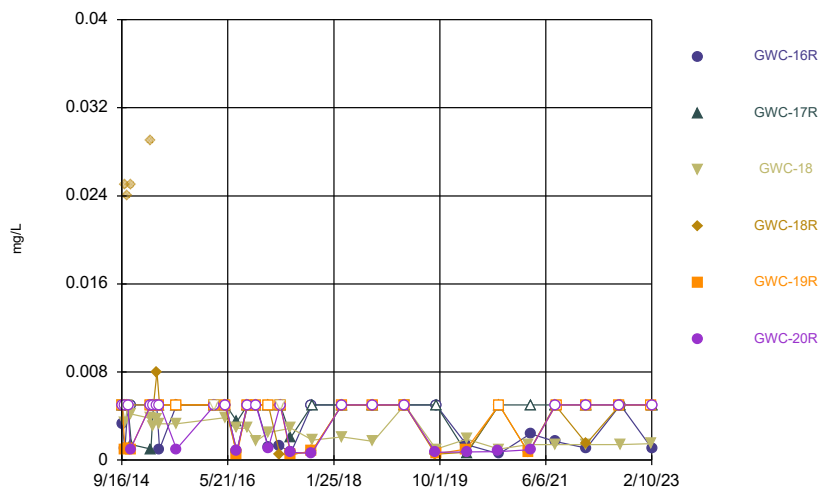
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



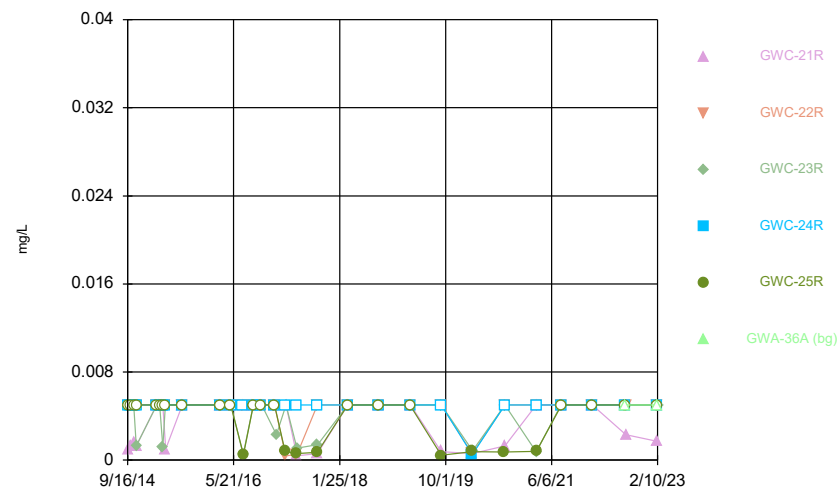
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



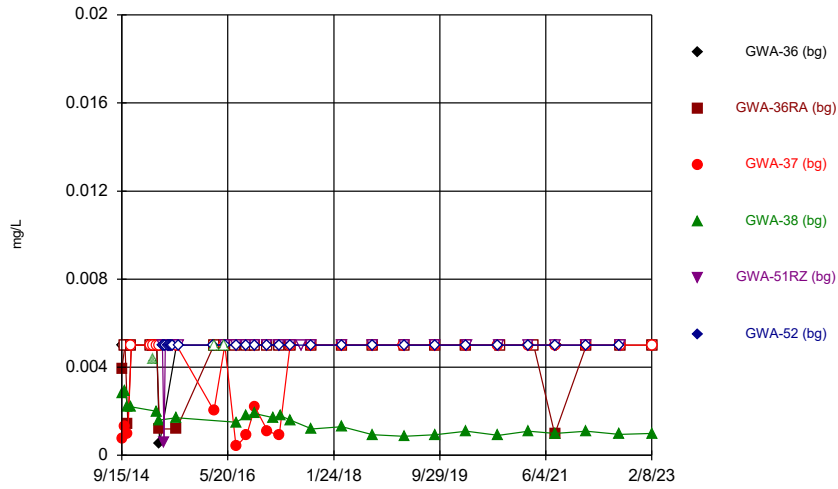
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Time Series



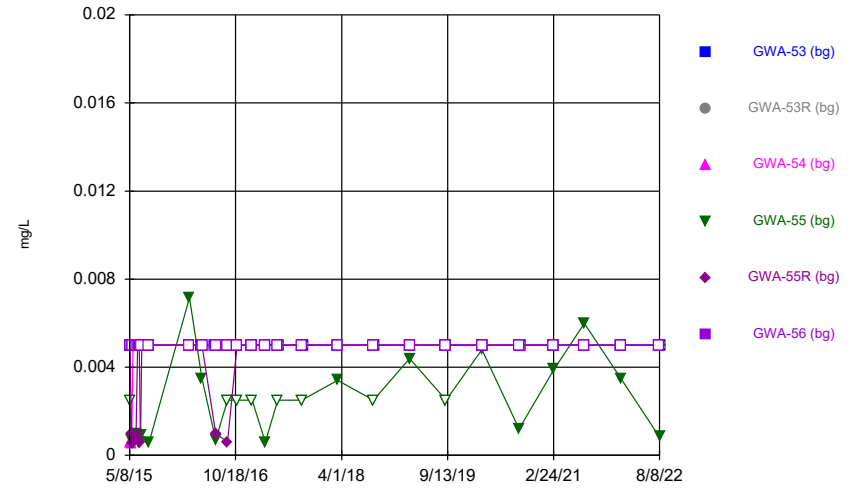
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



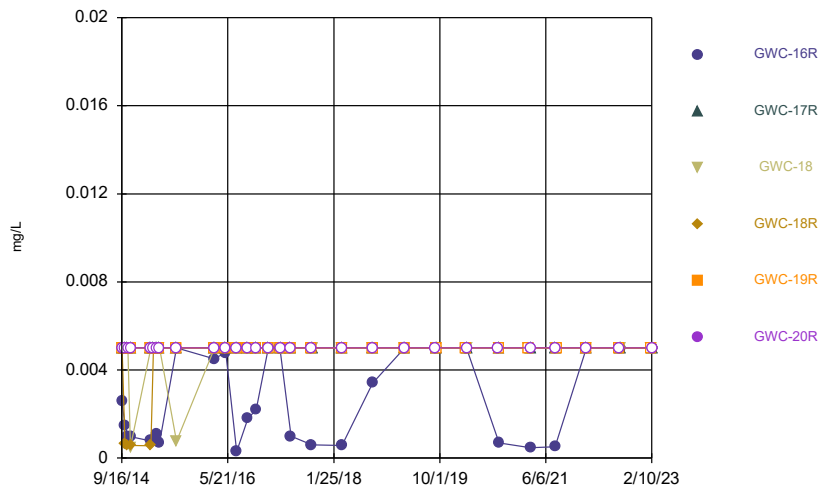
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



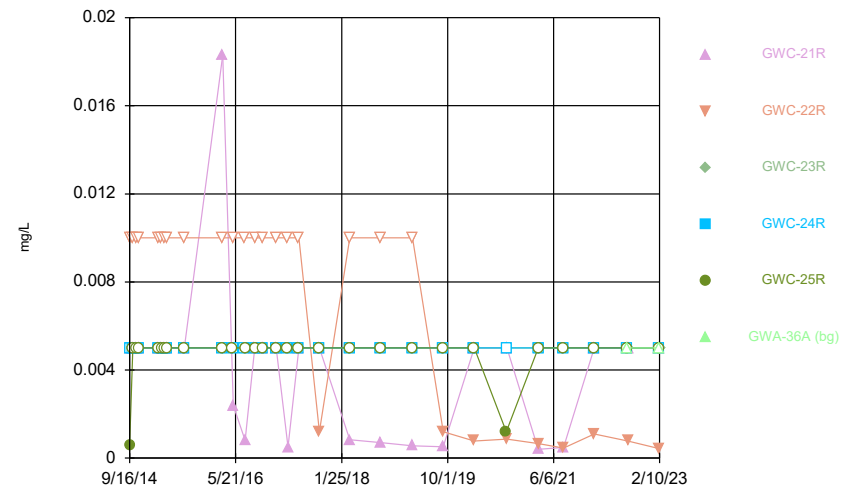
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



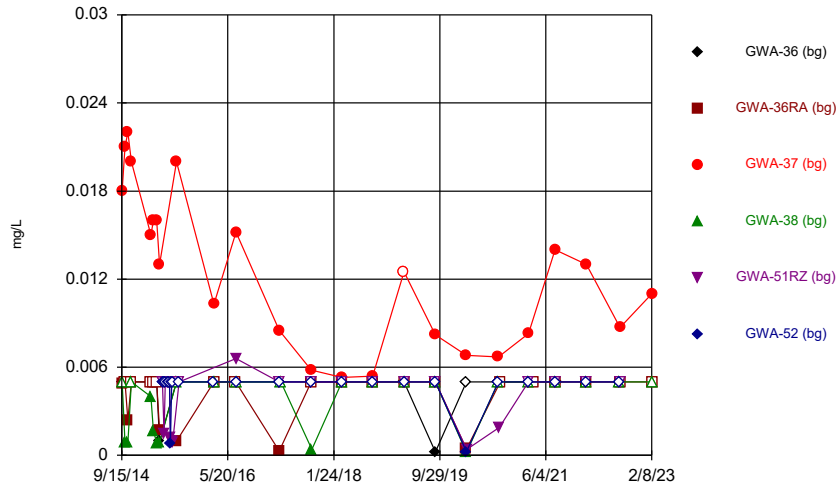
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



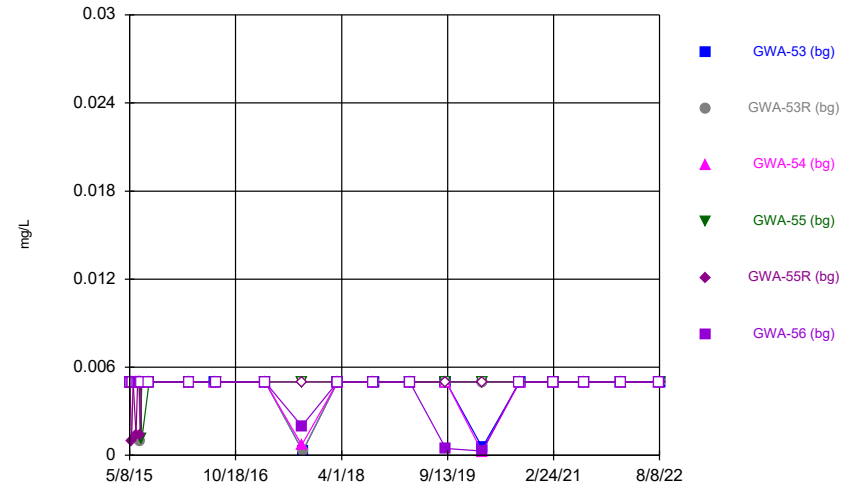
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



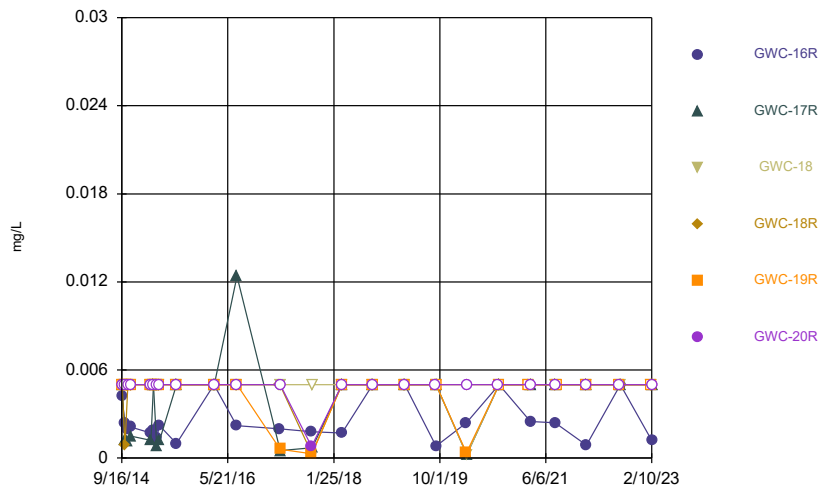
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



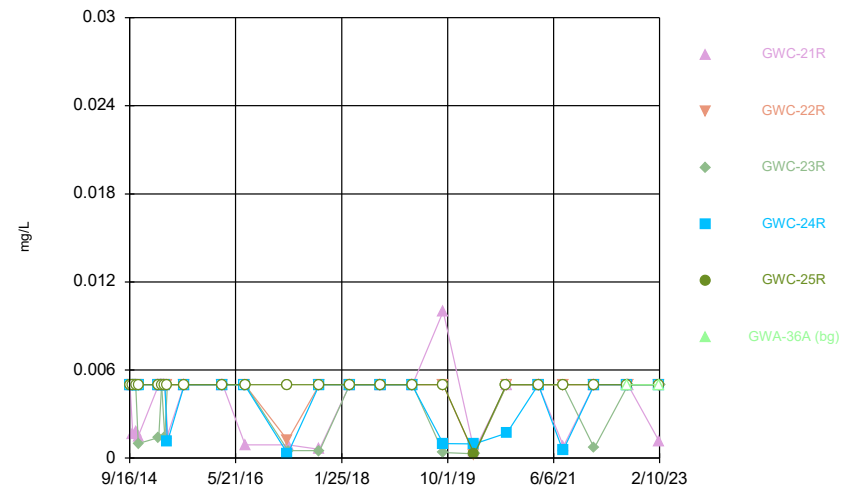
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



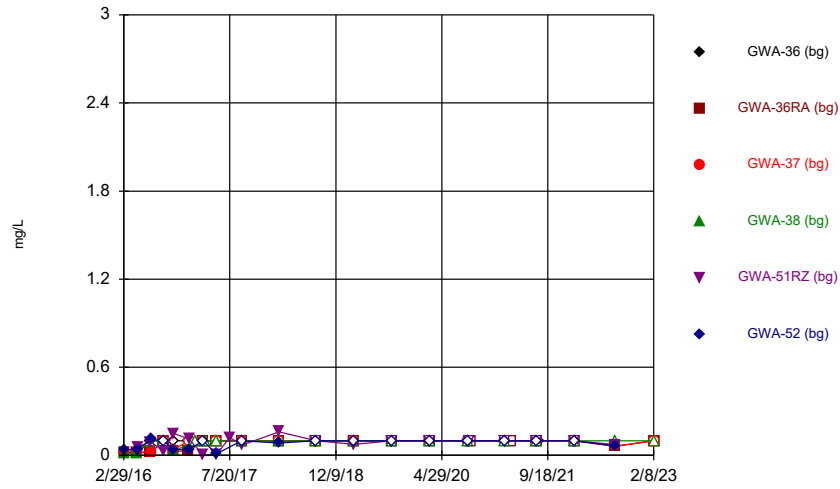
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



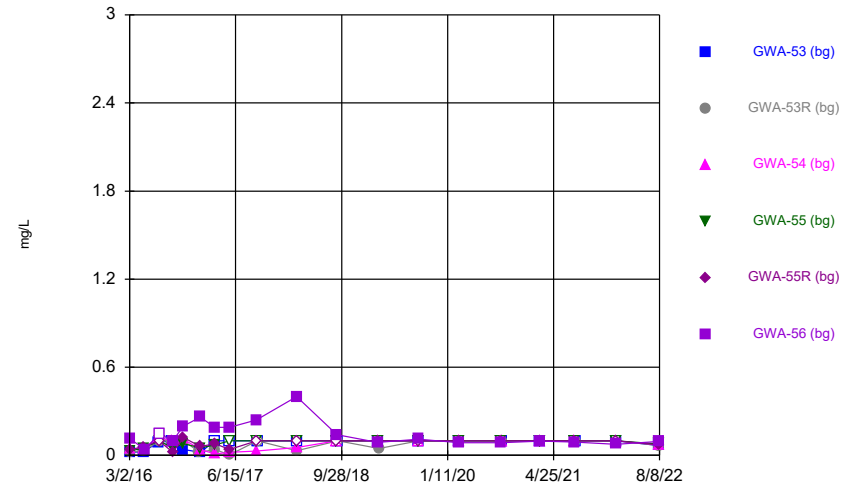
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



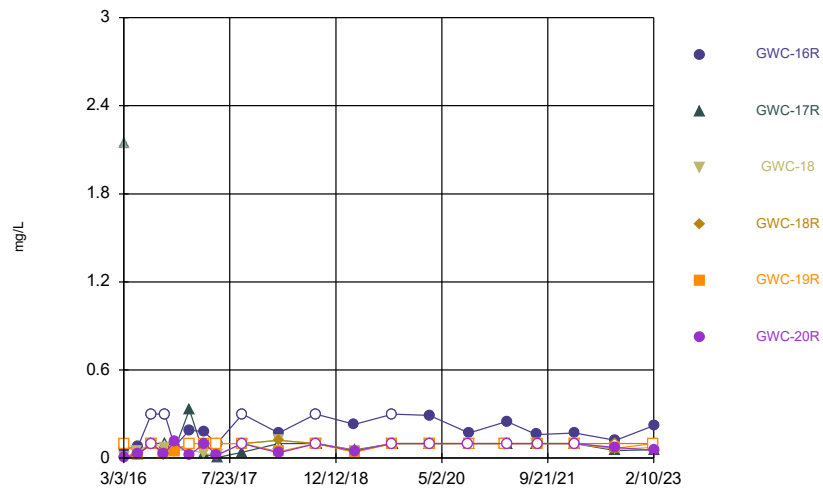
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



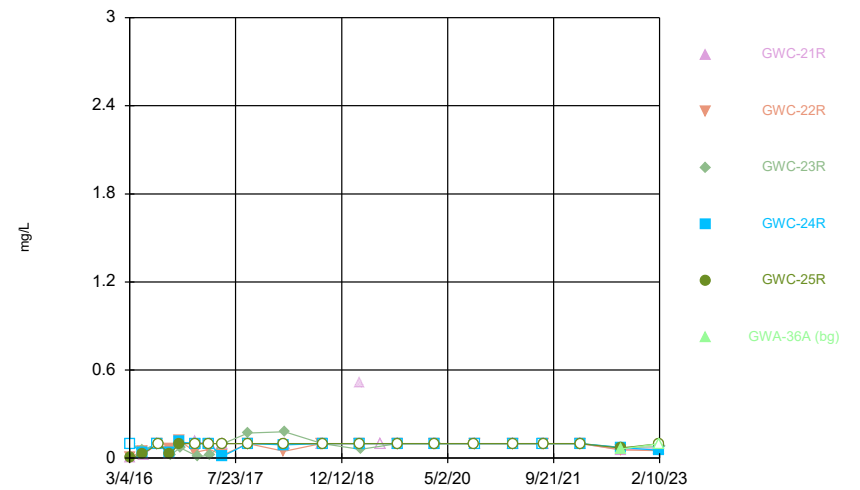
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



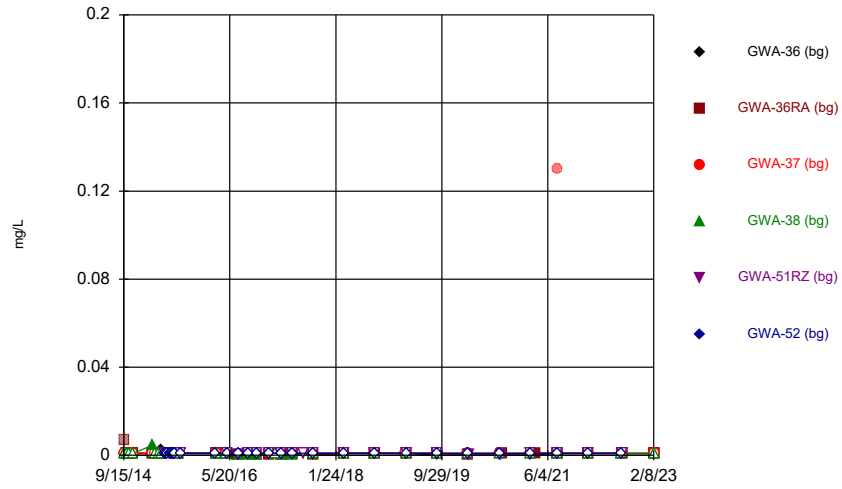
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Time Series



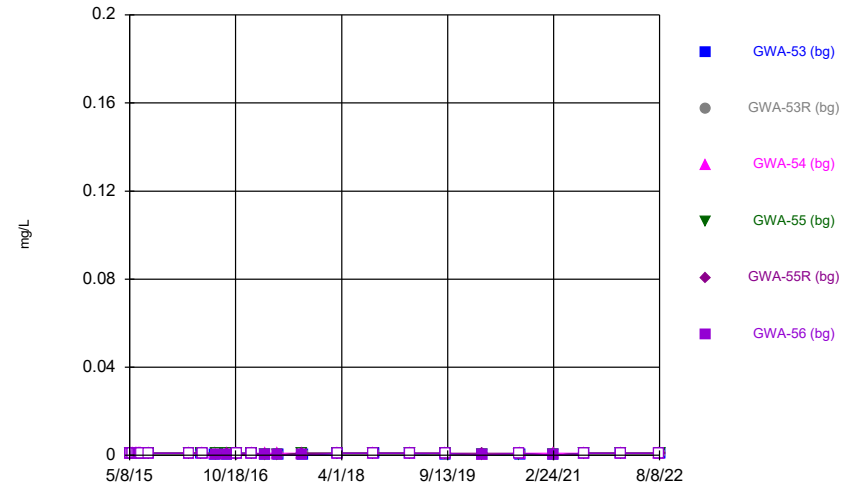
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Time Series



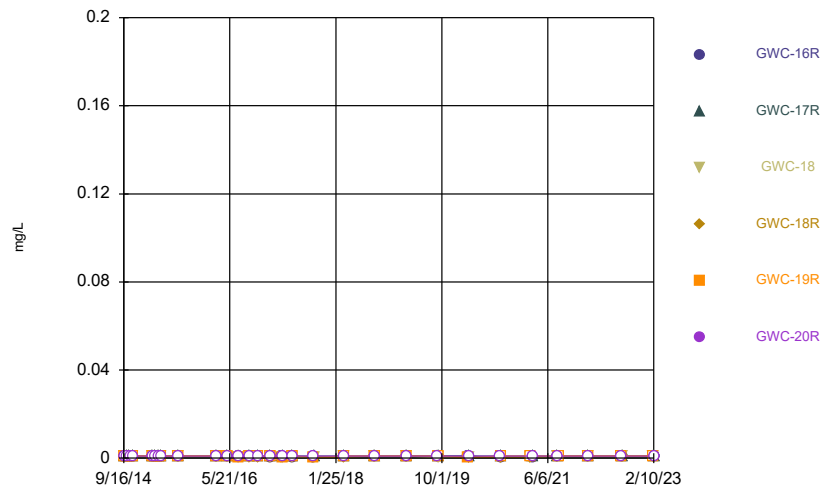
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



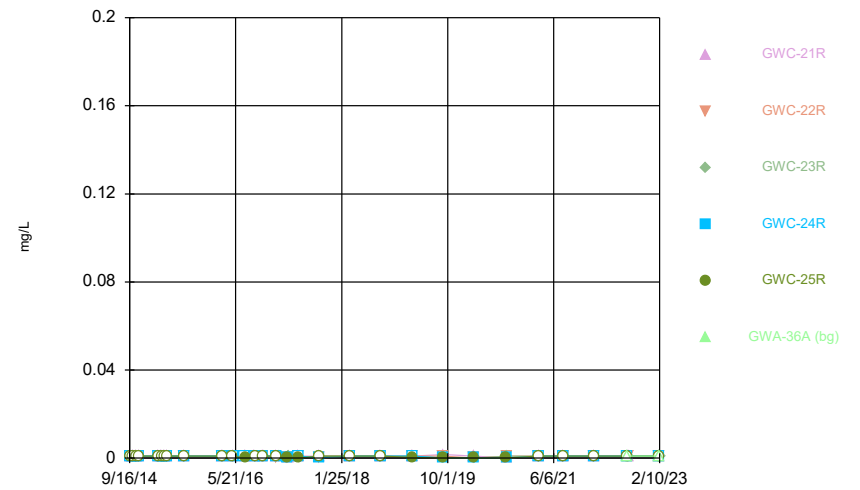
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



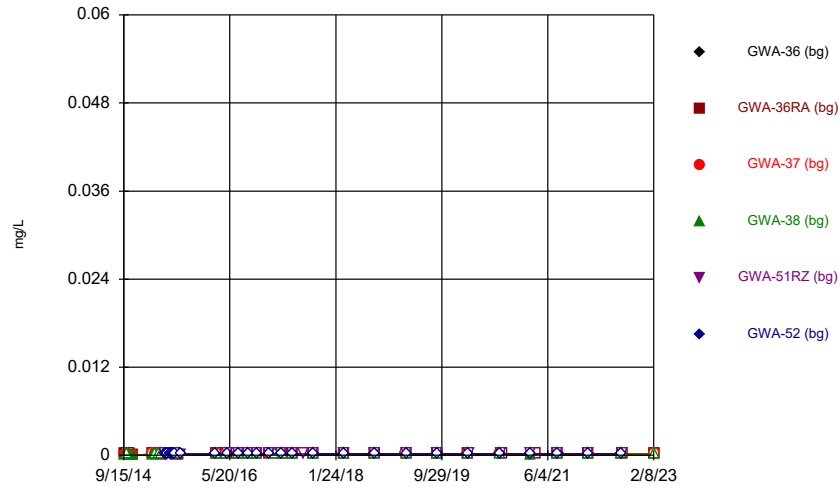
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



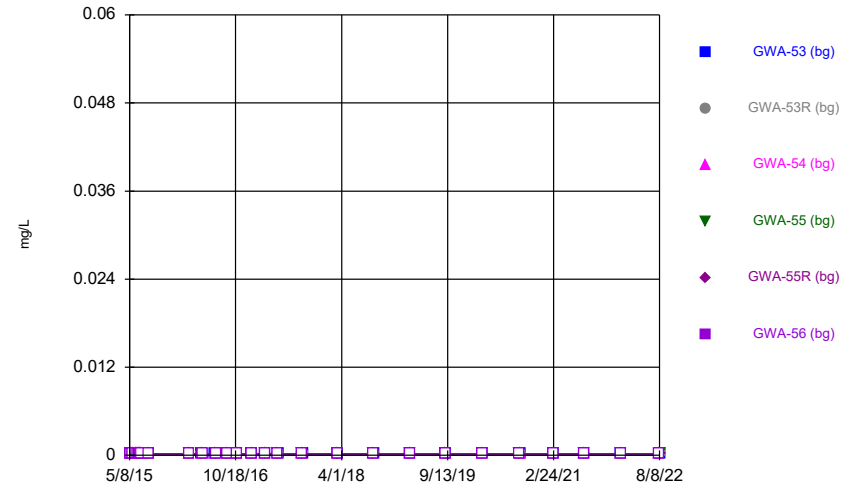
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



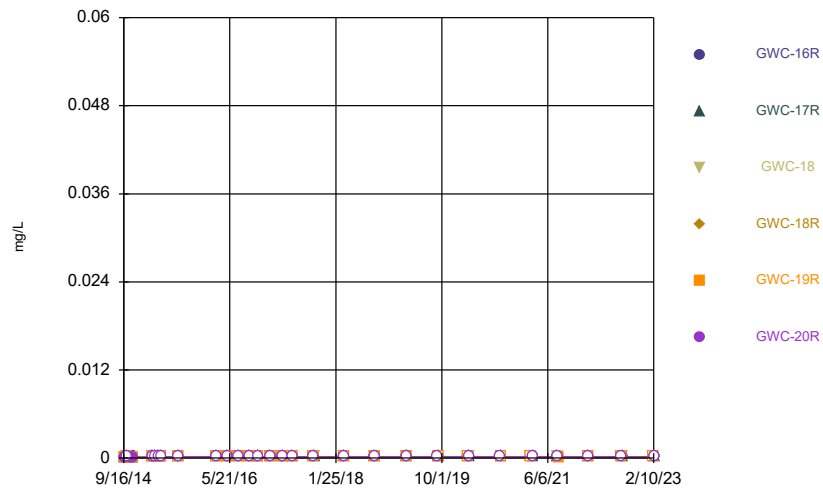
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



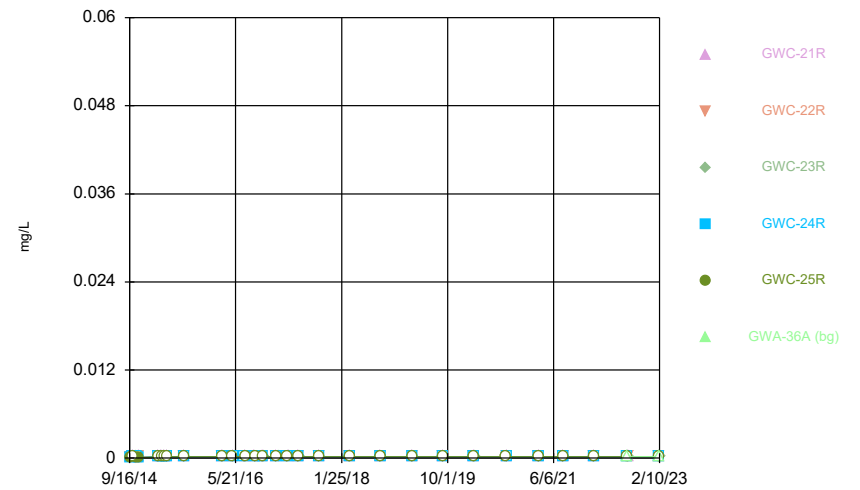
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



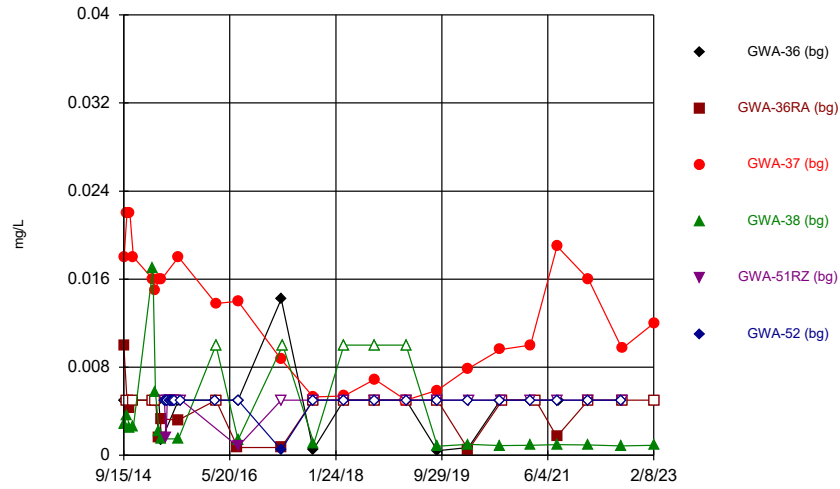
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Time Series



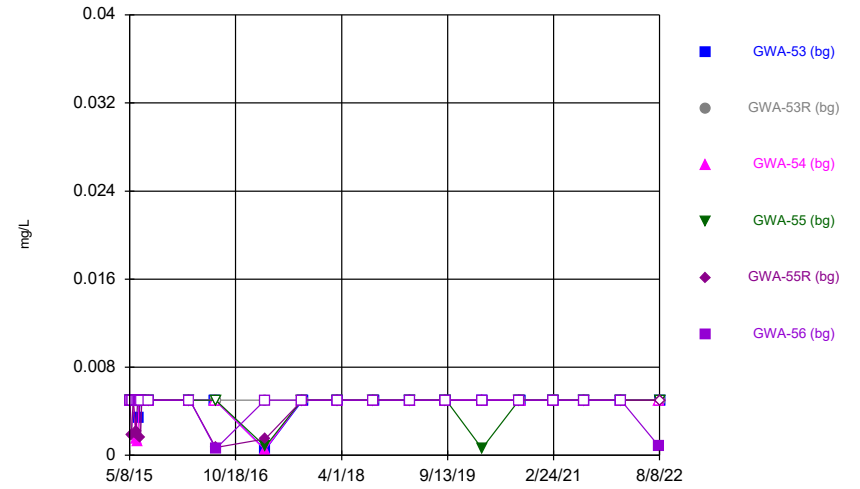
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



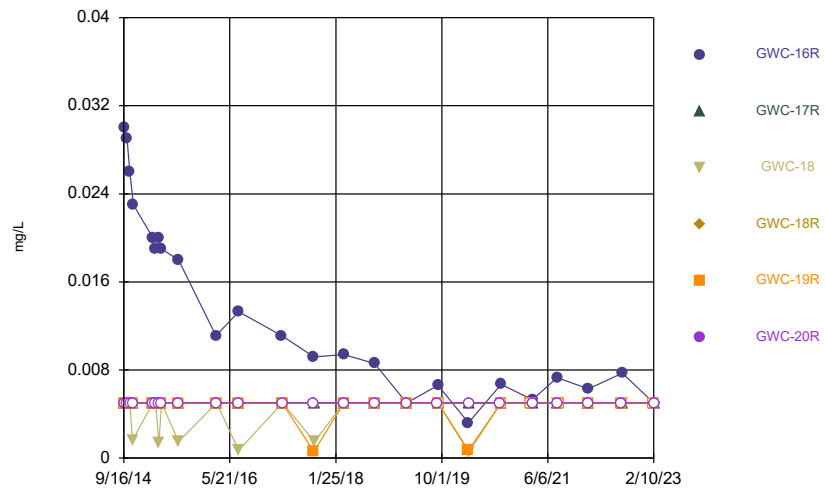
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



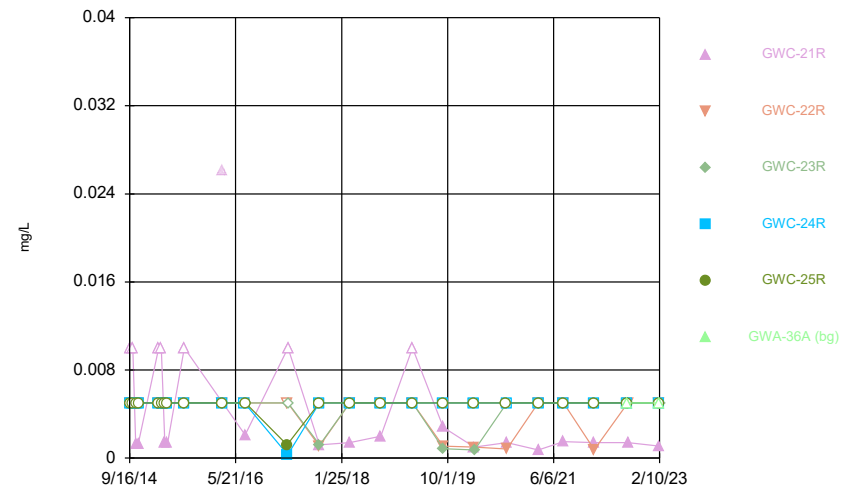
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



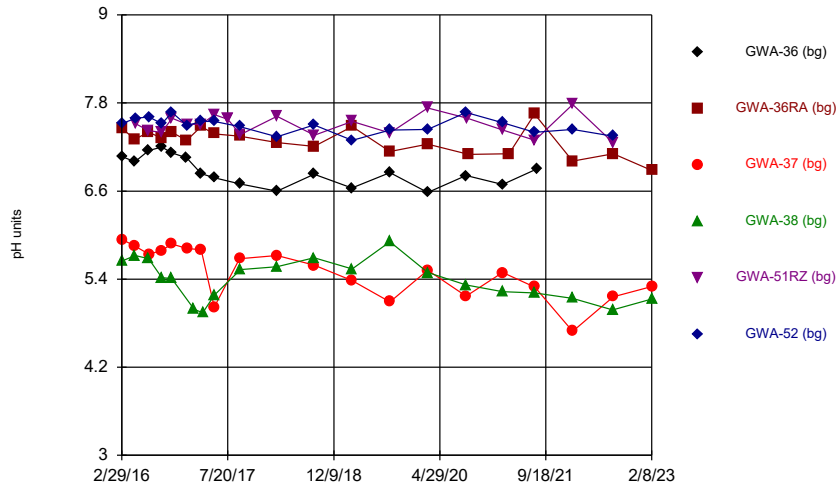
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Time Series



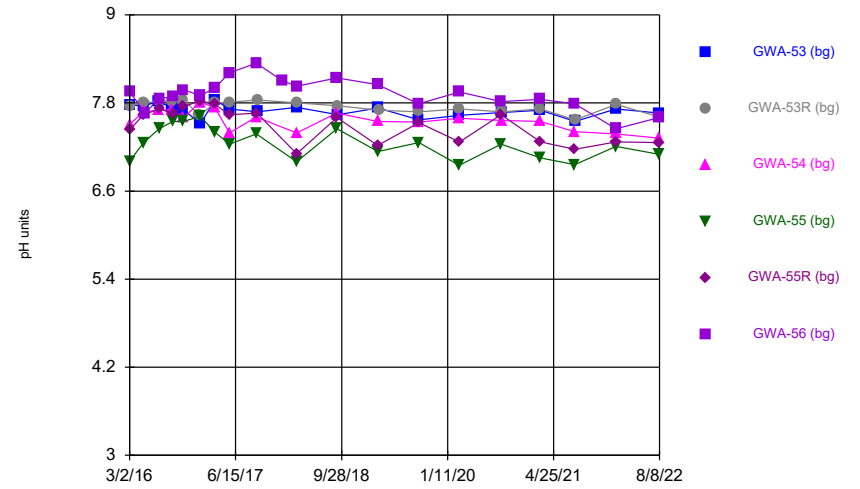
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



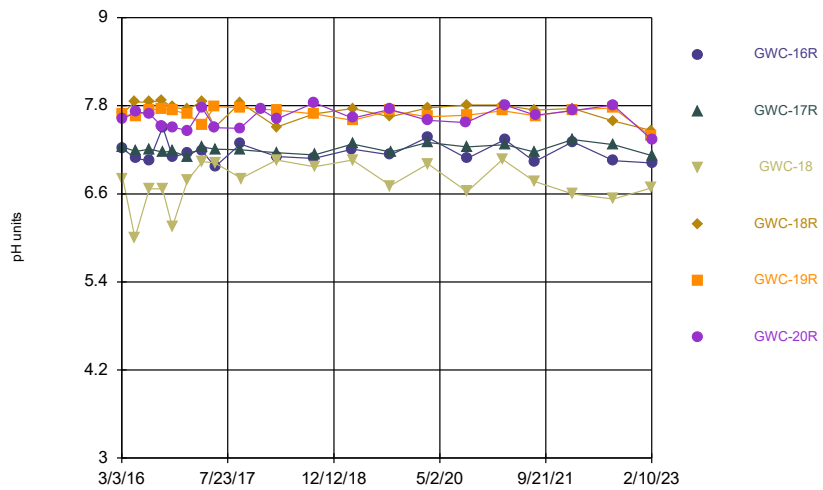
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



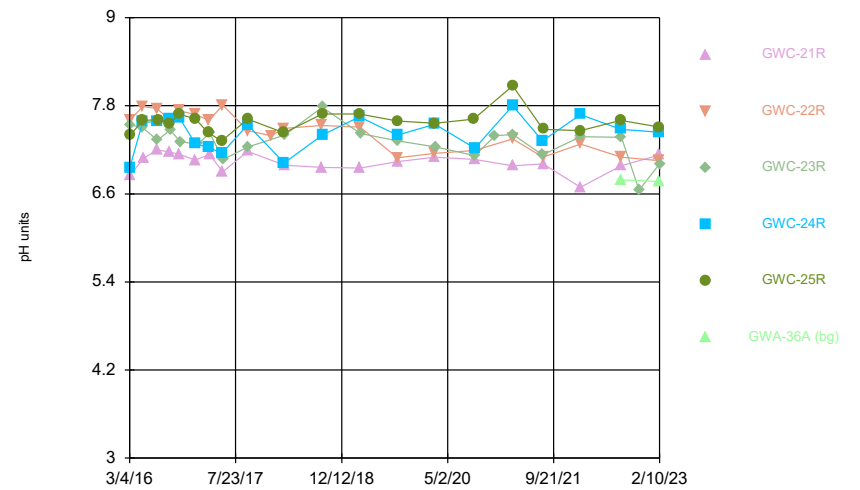
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



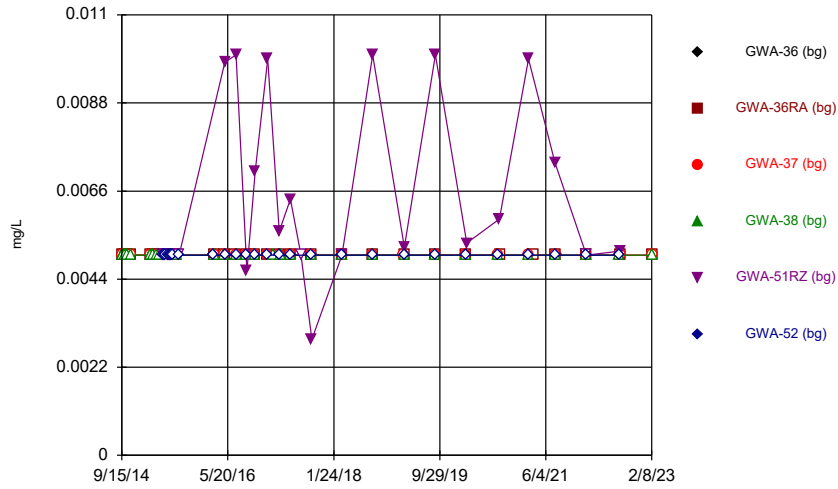
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



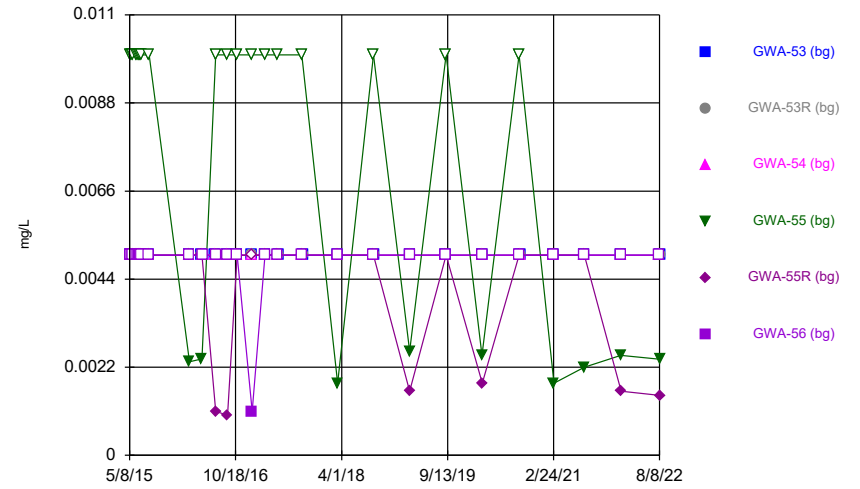
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



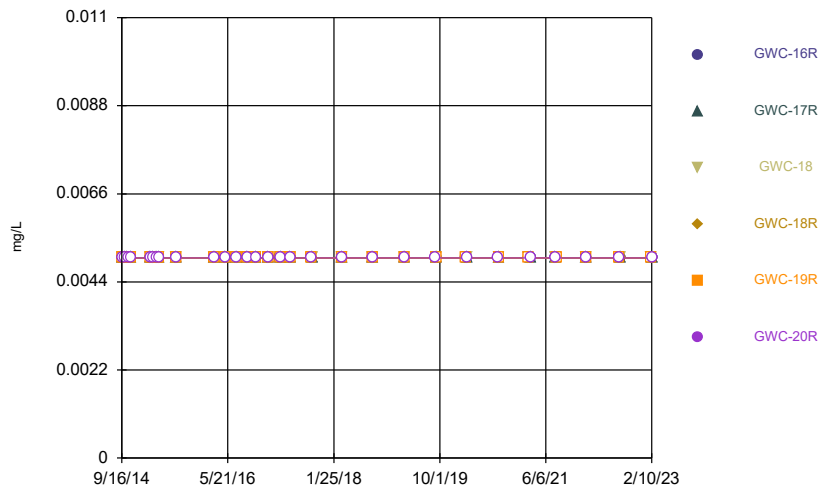
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Time Series



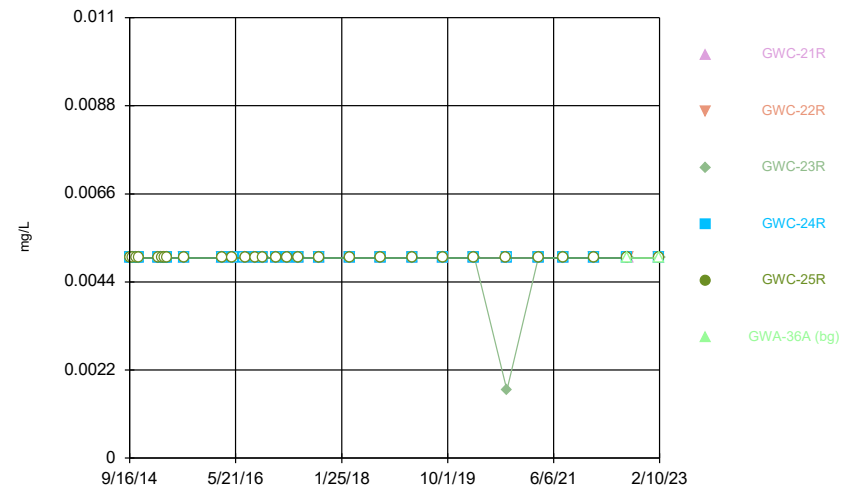
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Time Series



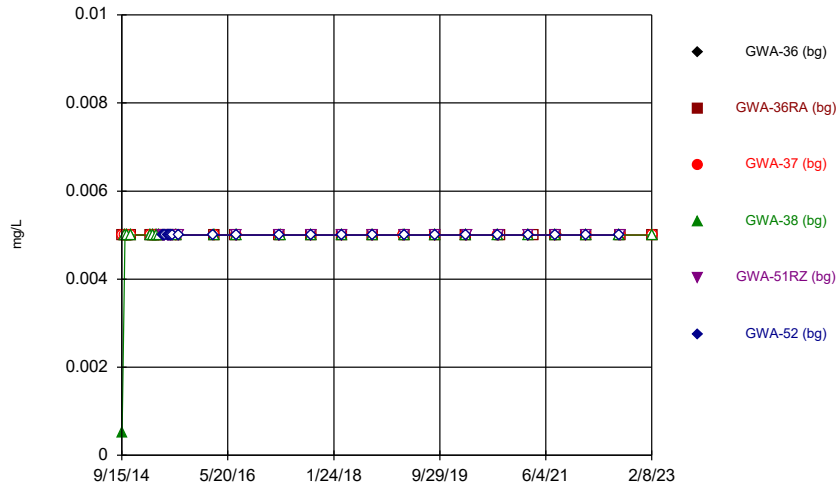
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Time Series



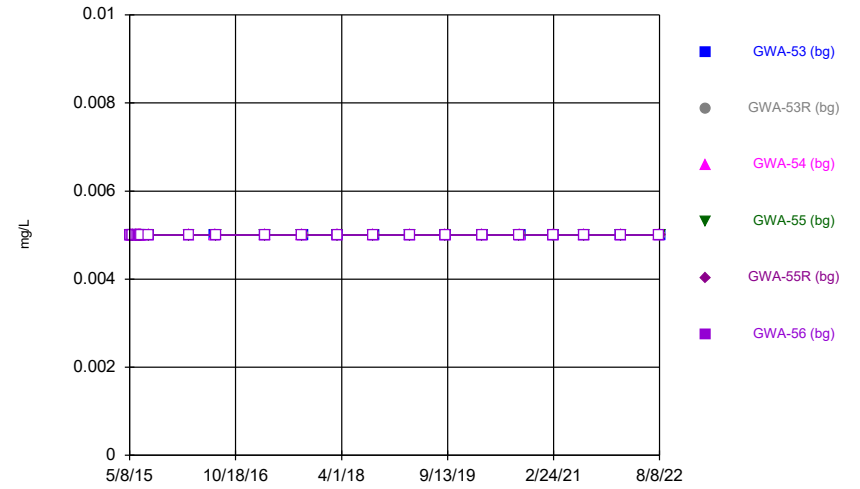
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



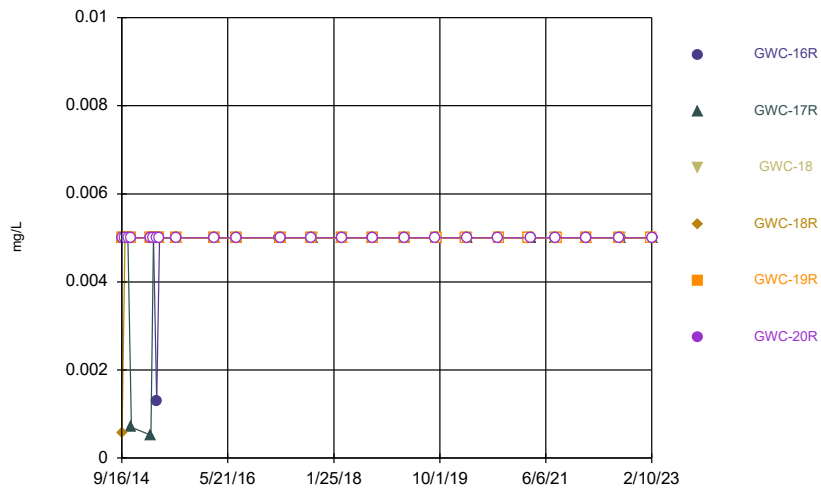
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Time Series



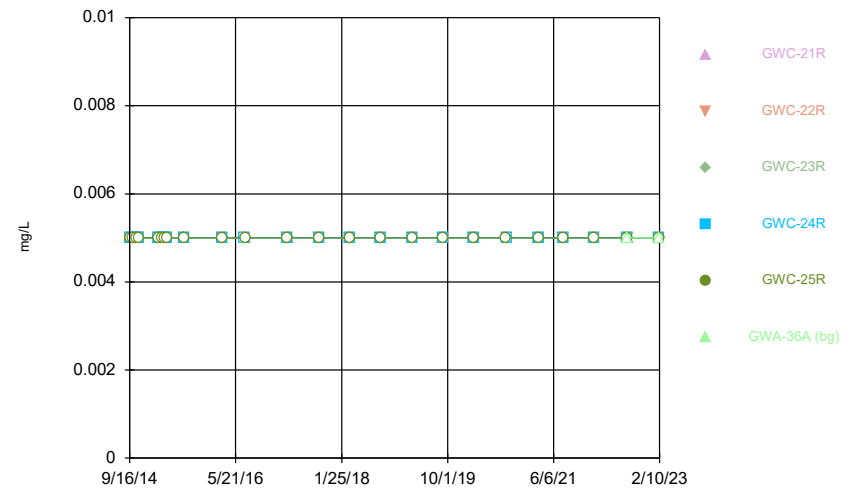
Constituent: Silver Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



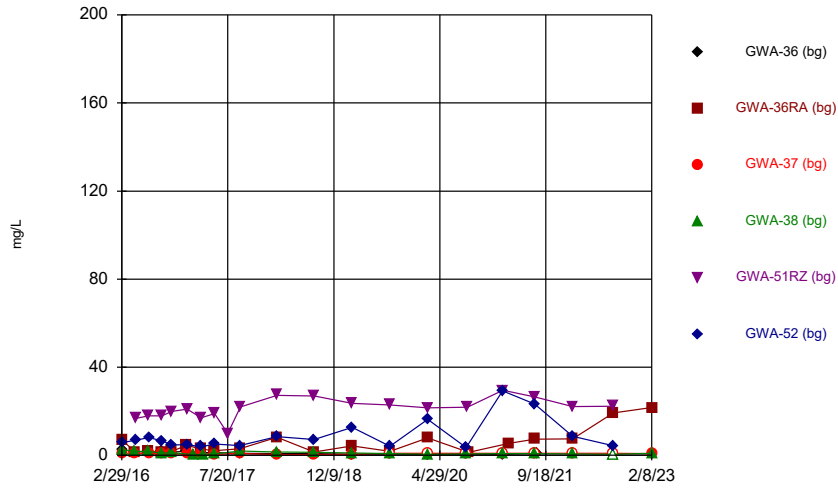
Constituent: Silver Analysis Run 3/22/2023 3:02 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



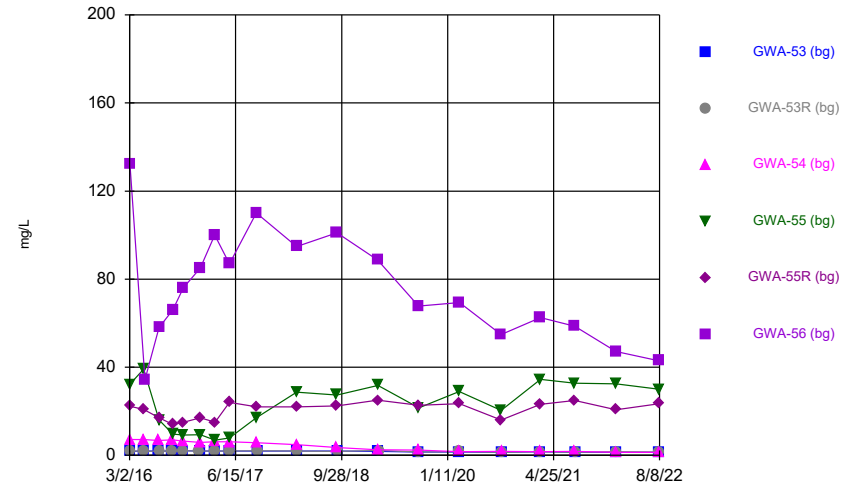
Constituent: Silver Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



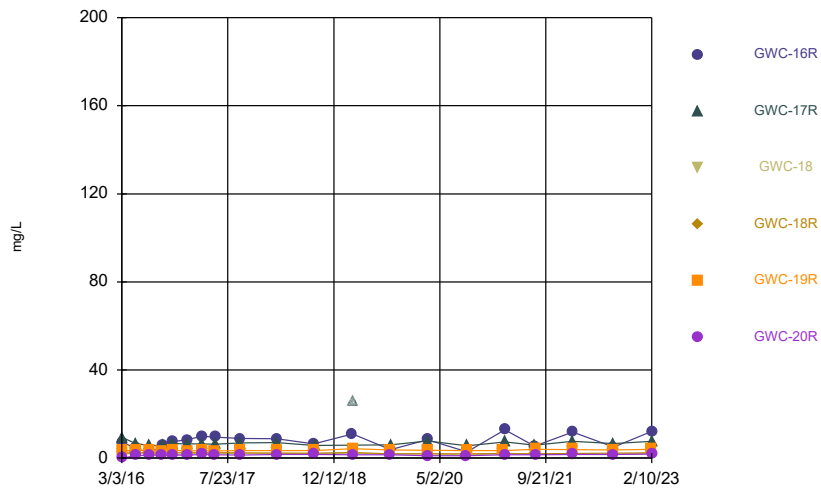
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



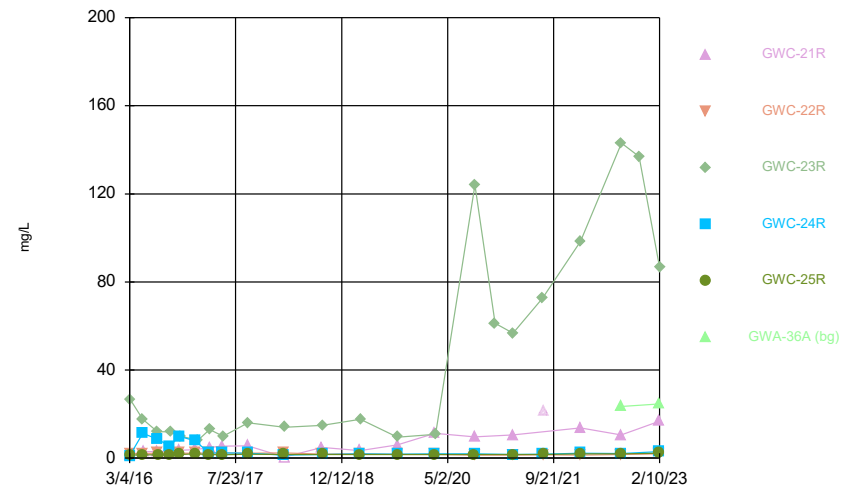
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



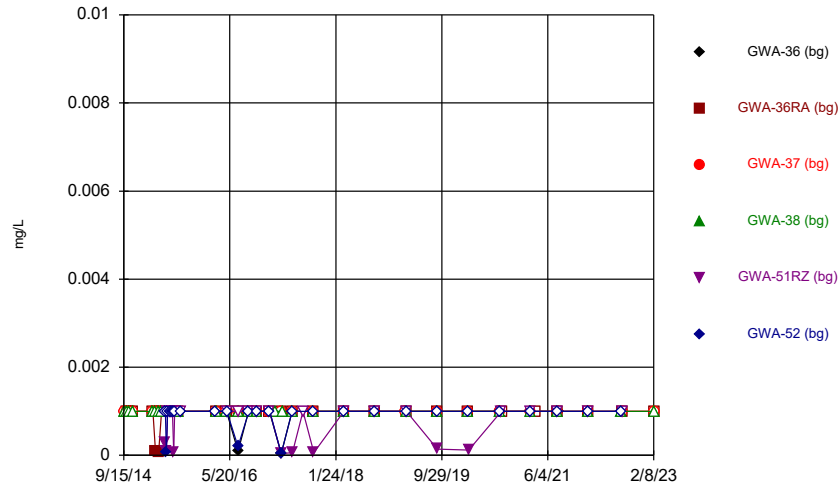
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



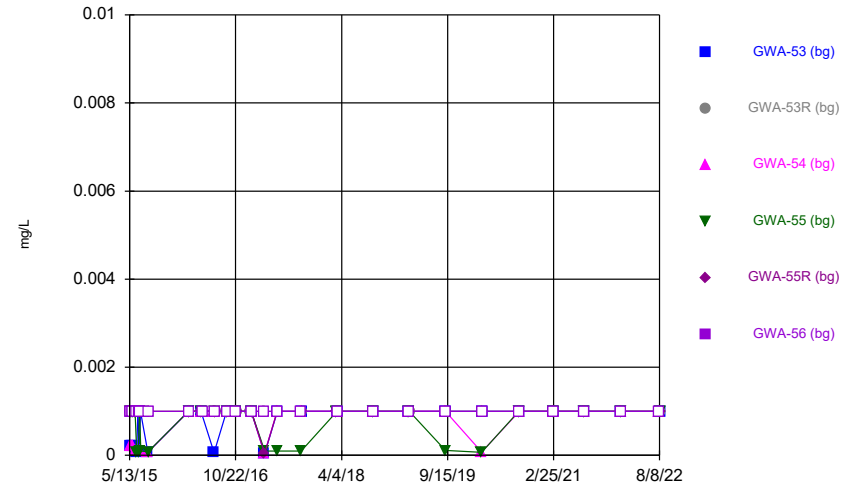
Constituent: Sulfate Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



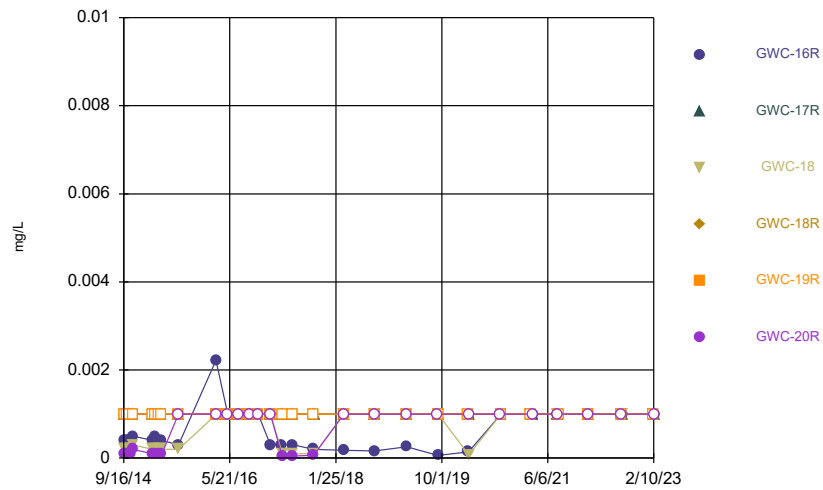
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



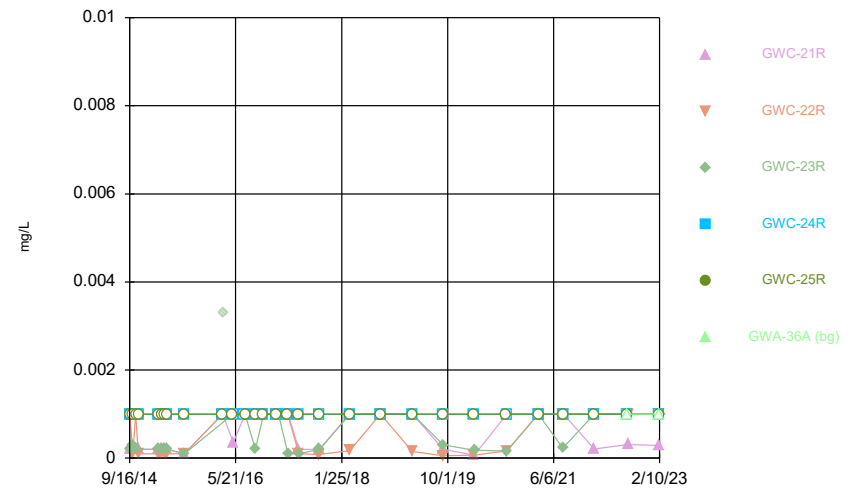
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



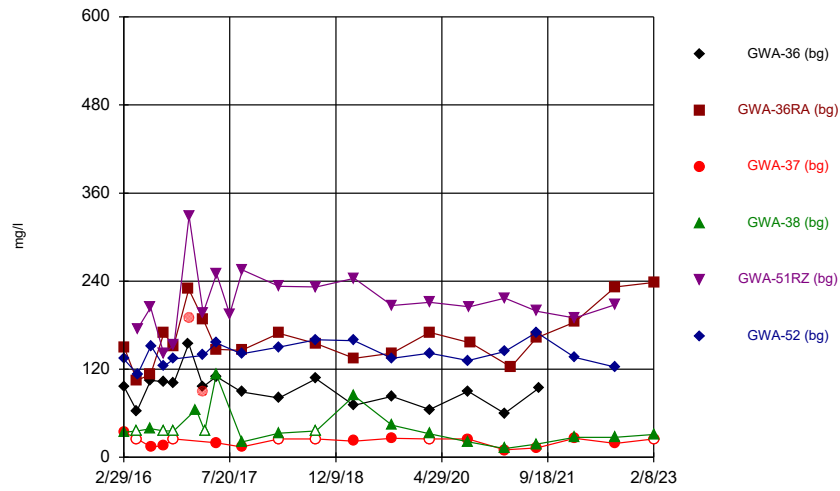
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



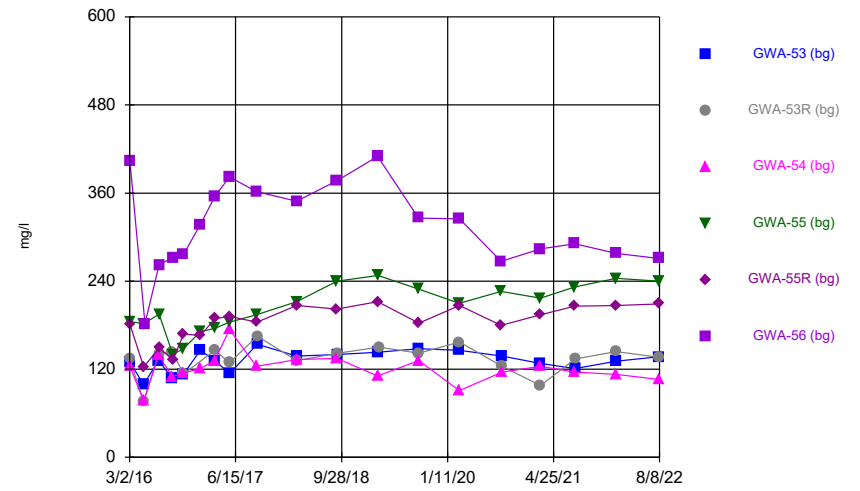
Constituent: Thallium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



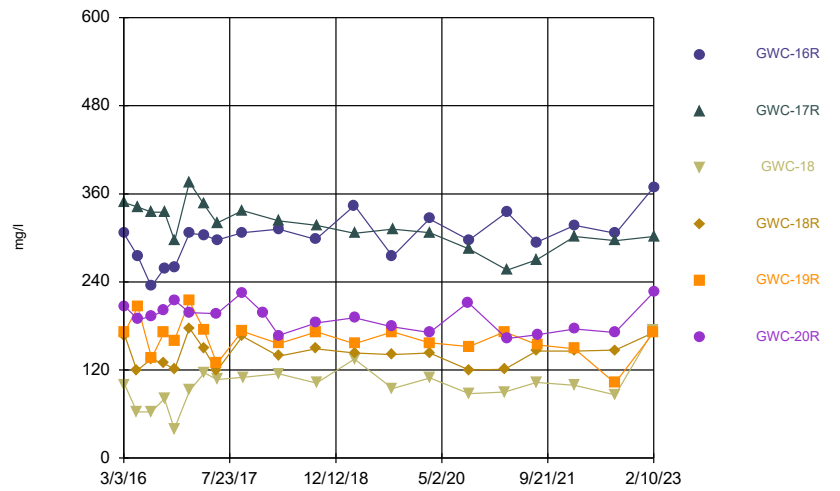
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



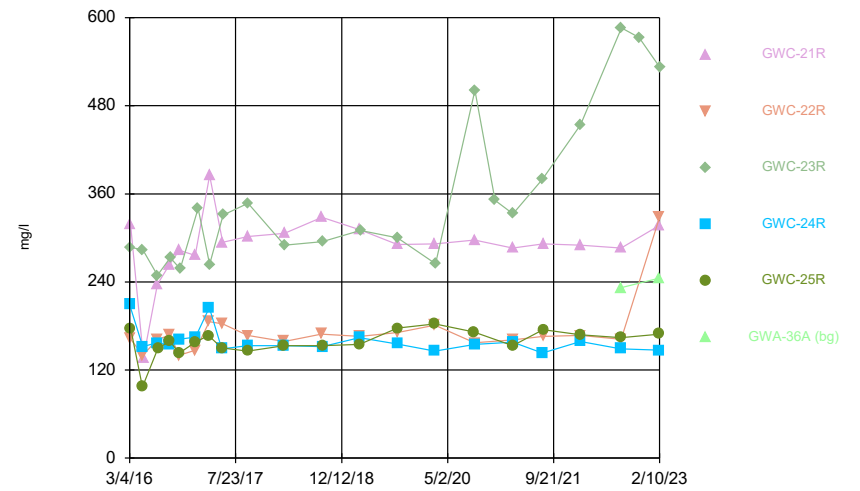
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



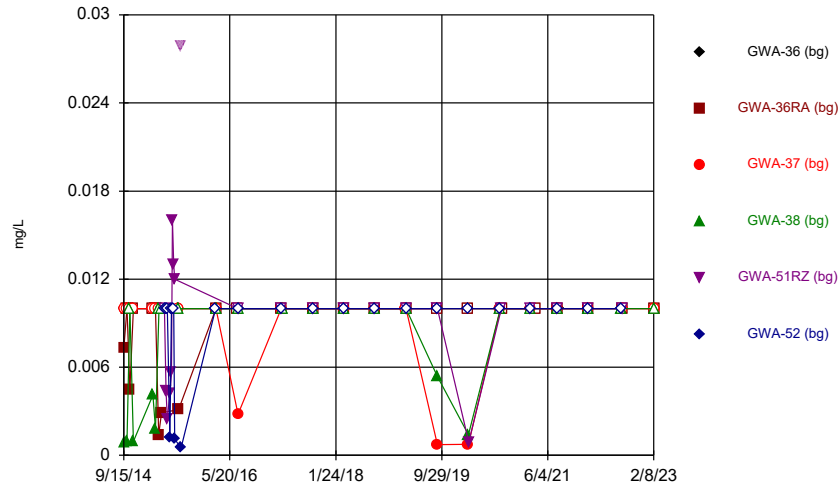
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



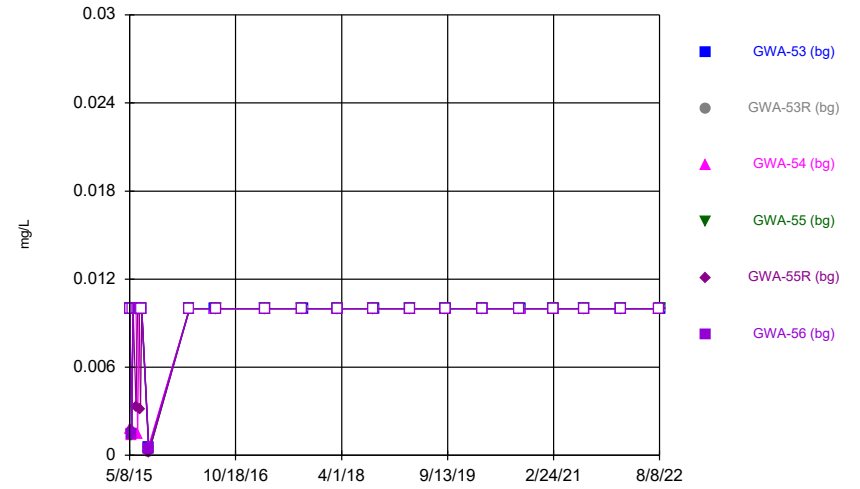
Constituent: Total Dissolved Solids Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



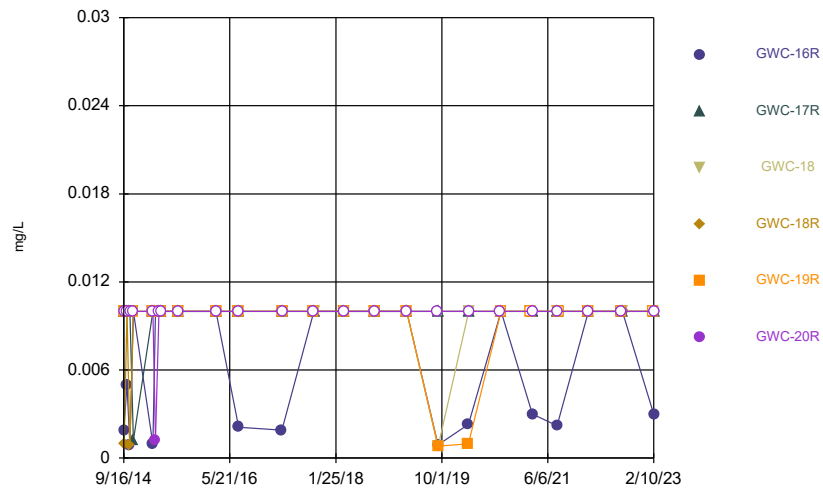
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



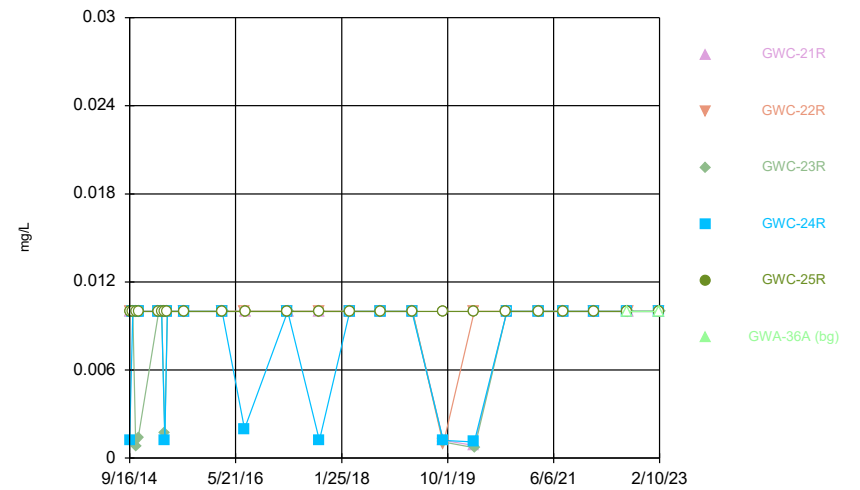
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



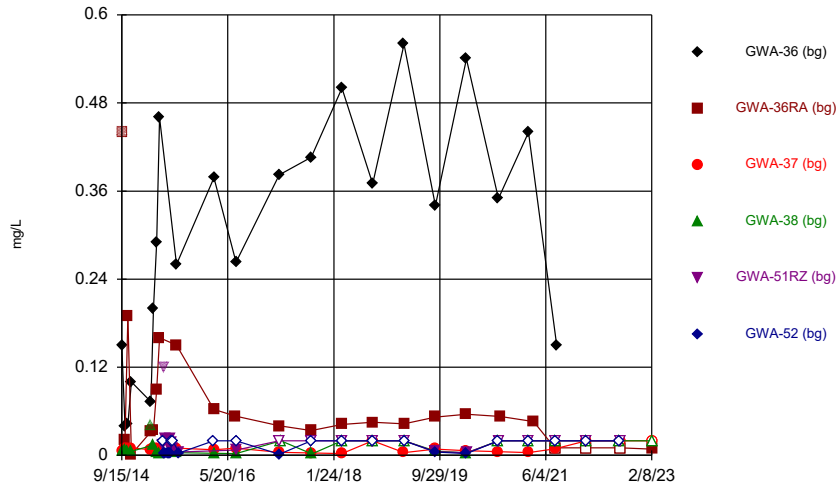
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



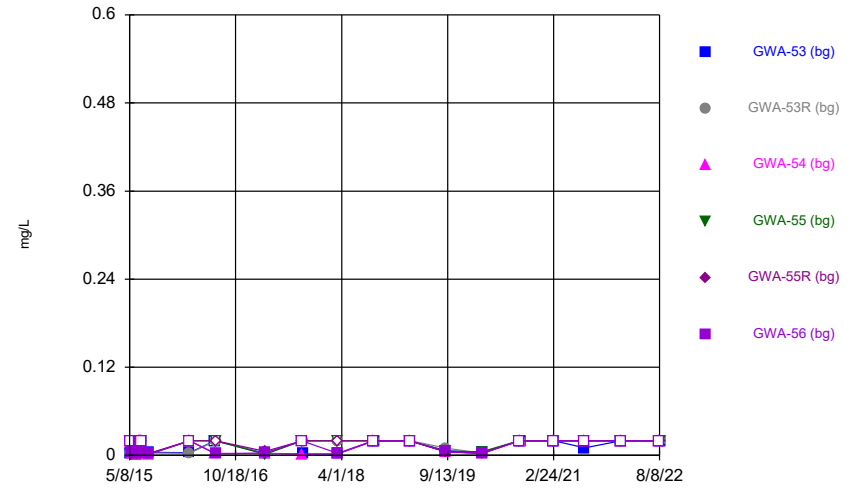
Constituent: Vanadium Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



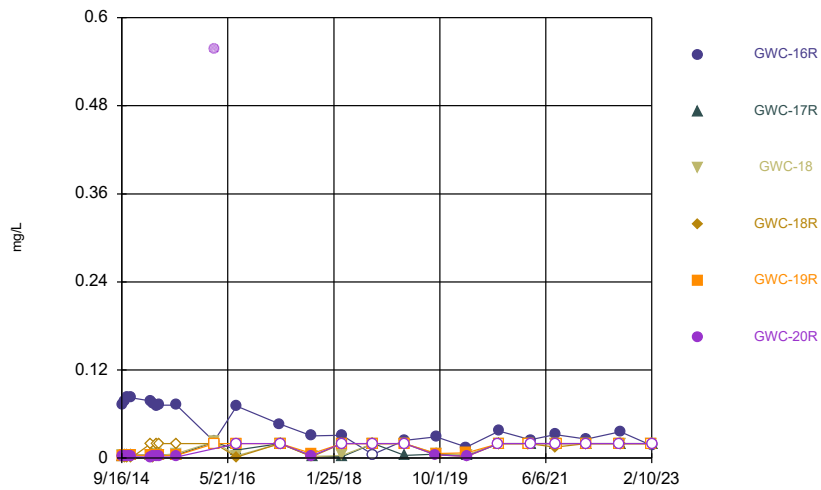
Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



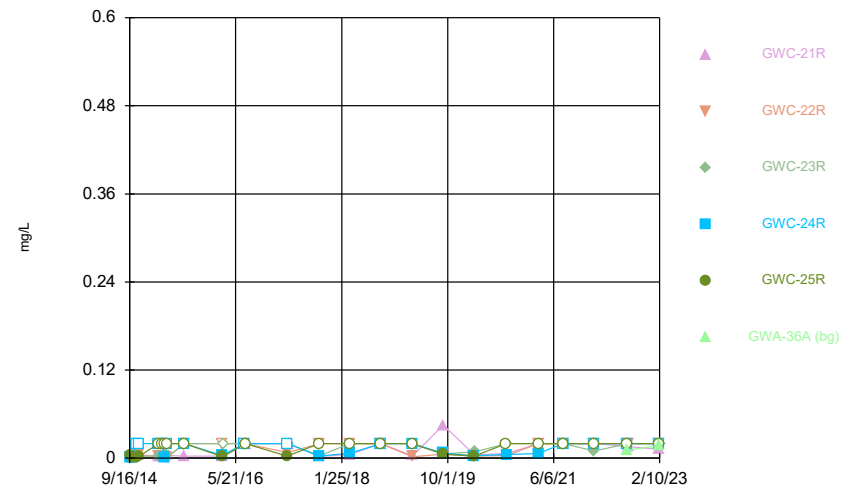
Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 3/22/2023 3:03 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.003	<0.003				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	<0.003		
10/20/2014	<0.003	<0.003	<0.003	<0.003		
11/10/2014	<0.003	<0.003	<0.003	<0.003		
3/2/2015	<0.003	<0.003	<0.003	<0.003		
3/17/2015	<0.003	<0.003	<0.003	<0.003		
4/5/2015	<0.003	<0.003	<0.003			
4/6/2015				<0.003		
4/21/2015	<0.003	<0.003				
4/22/2015			<0.003	<0.003		
5/8/2015					<0.003	<0.003
5/17/2015					<0.003	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	<0.003	<0.003	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	0.00214 (J)			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			0.00178 (J)	<0.003		
5/4/2016					0.00254 (J)	<0.003
7/6/2016		<0.003				
7/7/2016	<0.003			<0.003	0.0033 (D)	
7/8/2016			0.0023 (J)			<0.003
9/7/2016	<0.003	<0.003	0.0039			
9/8/2016				<0.003	0.0046 (o)	<0.003
10/25/2016	<0.003	<0.003	0.0035	<0.003		
10/26/2016					0.001 (J)	<0.003
1/5/2017	<0.003	<0.003				
1/6/2017			0.0052		0.0011 (J)	<0.003
2/9/2017				<0.003		
3/14/2017		<0.003	0.003			
3/15/2017	0.0004 (J)				0.0006 (J)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	0.0026 (J)			
5/17/2017	0.0032			<0.003		<0.003
5/18/2017					0.0009 (J)	
7/19/2017					<0.003	
9/15/2017	<0.003	<0.003	0.0016 (J)			<0.003
9/19/2017				<0.003	<0.003	
3/12/2018	<0.003	<0.003	0.0023 (J)			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	<0.003	<0.003	0.0024 (J)	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	<0.003		0.0019 (J)			
3/7/2019		<0.003		<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.001 (J)	<0.003	0.0029 (J)	<0.003	0.0006 (J)	<0.003
3/2/2020	<0.003	<0.003	0.0018 (J)	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.00094 (J)		0.0012 (J)	<0.003		<0.003
9/9/2020					0.00035 (J)	
9/14/2020		<0.003				
2/24/2021	0.00068 (J)		0.0012 (J)	<0.003		<0.003
2/25/2021					0.00061 (J)	
3/26/2021		0.00092 (J)				
7/27/2021		<0.003				0.0028 (J)
7/28/2021			0.0016 (J)	<0.003	0.00082 (J)	
8/6/2021	<0.003					
1/25/2022				<0.003		<0.003
1/26/2022		<0.003	<0.003		<0.003	
8/5/2022				<0.003		<0.003
8/8/2022		0.0015 (J)	0.0018 (J)			
8/9/2022					<0.003	
2/8/2023		<0.003	0.0013 (J)	<0.003		

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	<0.003	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	<0.003	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	<0.003				
7/1/2015			<0.003	<0.003	<0.003	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	<0.003	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003			
8/13/2015				<0.003	<0.003	<0.003
3/2/2016	0.000782 (J)	0.00106 (J)	<0.003	0.000608 (J)		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	0.00171 (J)		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	<0.003
9/7/2016		0.0013 (J)				
9/8/2016	0.0009 (J)		0.0019 (J)			
9/9/2016				<0.003	0.0009 (J)	<0.003
10/26/2016	0.0012 (J)		<0.003	<0.003		<0.003
10/27/2016		0.0011 (J)			<0.003	
1/6/2017		0.0013 (J)				
1/9/2017	<0.003		<0.003	<0.003	0.0023 (J)	0.0012 (J)
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	0.0029 (J)		<0.003	0.0007 (J)	
5/18/2017			<0.003	<0.003	0.0012 (J)	<0.003
5/19/2017	0.0005 (J)	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	0.0034	<0.003			<0.003
9/6/2018			0.001 (J)			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	0.0033				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	<0.003			<0.003		
3/12/2019		0.002 (J)				
9/4/2019						<0.003
9/5/2019	0.00035 (J)	0.00035 (J)	<0.003	<0.003	<0.003	
3/3/2020			0.0011 (J)	<0.003		
3/4/2020	0.0019 (J)	0.00053 (J)			<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.00065 (J)	<0.003	<0.003
9/8/2020	0.0017 (J)	0.00078 (J)	<0.003			
2/25/2021			<0.003	<0.003	<0.003	<0.003
2/26/2021	<0.003	0.0006 (J)				
7/27/2021			0.00086 (J)			
7/28/2021				<0.003	<0.003	<0.003
7/29/2021	0.00096 (J)	0.00096 (J)				
1/25/2022			<0.003			
1/26/2022	<0.003	<0.003		<0.003		<0.003
1/27/2022					<0.003	
8/5/2022			<0.003			<0.003
8/8/2022	<0.003	<0.003		<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0083					
9/17/2014		<0.003	<0.003	<0.003	<0.003	
9/18/2014						<0.003
10/4/2014	<0.0083	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.0083	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			<0.003		<0.003	<0.003
11/11/2014	<0.0083	<0.003		<0.003		
3/3/2015	<0.0083	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.0083	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.0083	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.0083	<0.003	<0.003	<0.003		
4/24/2015					<0.003	<0.003
7/29/2015	<0.0083	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	0.00472 (D)					
3/4/2016		<0.003				
3/7/2016			0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	0.000672 (J)		
5/9/2016					<0.003	<0.003
5/10/2016	0.0047	0.000641 (J)				
7/13/2016	<0.0083		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		0.0012 (J)				
9/15/2016	0.0013 (J)					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	0.0021 (J)					
1/11/2017	0.0086	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	0.0187			0.0005 (J)		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	0.0097	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					<0.003	
9/21/2017	0.0078			0.0008 (J)		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	0.015	<0.003	<0.003	<0.003	<0.003	<0.003
9/7/2018	0.0026 (J)			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.02					
3/12/2019		<0.003	<0.003	0.00091 (J)	<0.003	<0.003
9/6/2019				0.00028 (J)		0.001755 (JD)
9/9/2019	0.011		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	0.019				<0.003	
3/5/2020		<0.003		0.00068 (J)		<0.003
3/6/2020			0.00049 (J)			
9/4/2020						<0.003
9/9/2020	0.015	<0.003	<0.003	<0.003	<0.003	
2/26/2021			<0.003	0.00059 (J)	<0.003	
3/9/2021	0.018					<0.003
3/10/2021		<0.003				
7/29/2021			<0.003	0.0024 (J)		
7/30/2021	0.019	<0.003				
8/2/2021						<0.003
8/5/2021					<0.003	
1/27/2022				<0.003	<0.003	<0.003
1/28/2022	0.027	<0.003	<0.003			
8/9/2022					<0.003	<0.003
8/10/2022			<0.003	<0.003		
8/11/2022	0.0099	<0.003				
2/9/2023			<0.003	<0.003	<0.003	
2/10/2023	0.02	<0.003				<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.003	<0.003	
9/18/2014	<0.0056	<0.003	<0.003			
10/4/2014				<0.003	<0.003	
10/5/2014	<0.0056	<0.003	<0.003			
10/22/2014	<0.0056	<0.003	<0.003			
10/23/2014				<0.003	<0.003	
11/5/2014	<0.0056	<0.003	<0.003			
11/10/2014				<0.003	<0.003	
3/4/2015	<0.0056	<0.003	<0.003	<0.003	<0.003	
3/19/2015	<0.0056	<0.003				
3/20/2015			<0.003	<0.003	<0.003	
4/8/2015	<0.0056	<0.003	<0.003	<0.003		
4/9/2015					<0.003	
4/23/2015			<0.003	<0.003	<0.003	
4/24/2015	<0.0056	<0.003				
7/30/2015	<0.0056	<0.003	<0.003	<0.003	<0.003	
3/4/2016				0.0271 (Jo)		
3/7/2016		<0.003				
3/8/2016	0.00318				0.0226 (o)	
3/9/2016			0.003			
5/4/2016					0.00107 (J)	
5/5/2016		<0.003		0.000761 (J)		
5/6/2016			0.000666 (J)			
5/9/2016	0.00454					
7/12/2016				0.0094 (o)		
7/14/2016		<0.003				
7/15/2016	<0.0056		<0.003			
7/18/2016					0.0004 (J)	
9/9/2016	0.0033					
9/12/2016		<0.003				
9/13/2016				0.0072 (o)	0.0028 (J)	
9/14/2016			0.0022 (J)			
10/27/2016	0.0046	<0.003		0.005	0.0011 (J)	
11/1/2016			<0.003			
1/12/2017	0.0064					
1/13/2017		<0.003		0.0012 (J)	<0.003	
1/25/2017			<0.003			
3/16/2017					0.0009 (J)	
3/20/2017		<0.003		0.0014 (J)		
3/21/2017	0.0058					
3/22/2017			0.0006 (J)			
5/19/2017				0.0006 (J)	<0.003	
5/23/2017	0.0023 (J)	<0.003				
5/24/2017			<0.003			
9/19/2017	0.0018 (J)	<0.003		<0.003	<0.003	
9/21/2017			<0.003			
3/13/2018		<0.003		0.0016 (J)	0.00093 (J)	
3/14/2018	0.0063		<0.003			
9/7/2018		<0.003				
9/10/2018	0.0033					
9/11/2018			<0.003	<0.003	<0.003	
3/8/2019				<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.0029 (J)	<0.003				
3/12/2019			<0.003			
9/5/2019		<0.003		0.00031 (JD)	<0.003	
9/6/2019	0.01		0.00029 (J)			
3/3/2020	0.0019 (J)	<0.003		<0.003	<0.003	
3/5/2020			<0.003			
9/4/2020					0.0013 (J)	
9/8/2020	0.0041	<0.003				
9/9/2020			<0.003	0.00094 (J)		
3/9/2021	0.0024 (J)	<0.003		0.00035 (J)	<0.003	
3/10/2021			<0.003			
7/29/2021				0.0011 (J)		
7/30/2021			<0.003			
8/2/2021	0.0048	<0.003			<0.003	
1/27/2022		<0.003			<0.003	
1/28/2022	0.0061		<0.003	<0.003		
8/8/2022						<0.003
8/9/2022				<0.003	<0.003	
8/10/2022	0.0081	<0.003				
8/11/2022			<0.003			
2/8/2023						<0.003
2/9/2023	0.0064	<0.003		<0.003	<0.003	
2/10/2023			<0.003			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0036 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	0.0022 (J)	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0062		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					0.0021 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					0.002 (J)	<0.005
6/18/2015					0.0028 (J)	<0.005
6/24/2015					0.0074	<0.005
6/30/2015					0.0065	<0.005
7/6/2015					0.0057	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					0.0162 (o)	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005	<0.005
7/6/2016		0.0008 (J)				
7/7/2016	<0.005			<0.005	0.0009 (J)	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	<0.005	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					<0.005	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	0.0005 (J)			
3/15/2017	<0.005				0.0006 (J)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0007 (J)	
7/19/2017					0.0061	
9/15/2017	<0.005	0.0007 (J)	<0.005			0.0006 (J)
9/19/2017				<0.005	0.0021 (J)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.00061 (J)	0.0017 (J)	0.00063 (J)
9/6/2018	<0.005	<0.005	<0.005	0.00071 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005	0.00061 (J)	<0.005
3/2/2020	<0.005	<0.005	0.00053 (J)	0.00059 (J)		<0.005
3/3/2020					0.00073 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				0.0016 (J)
7/28/2021			<0.005	<0.005	0.0031 (J)	
8/6/2021	<0.005					
1/25/2022				<0.005		0.003 (J)
1/26/2022		<0.005	0.0019 (J)		0.0047 (J)	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0028 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0024 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	0.0021 (J)
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.001 (J)	0.001 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			0.0006 (J)			0.0005 (J)
3/16/2017	0.0005 (J)	0.0005 (J)		0.0005 (J)	0.0007 (J)	
5/18/2017			<0.005	0.0006 (J)	0.0006 (J)	0.0006 (J)
5/19/2017	0.0007 (J)	0.0007 (J)				
9/15/2017			<0.005	0.0007 (J)		0.0008 (J)
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	0.00058 (J)	<0.005	0.00066 (J)			0.00088 (J)
9/6/2018			0.00057 (J)			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	0.00085 (J)
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	0.00039 (J)	0.00046 (J)	0.00038 (J)	0.00044 (J)	0.00042 (J)	
3/3/2020			<0.005	<0.005		
3/4/2020	0.00044 (J)	0.00043 (J)			<0.005	0.0004 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			0.0014 (J)			
7/28/2021				0.0026 (J)	0.0029 (J)	0.0034 (J)
7/29/2021	0.0032 (J)	0.0037 (J)				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		0.0015 (J)
1/27/2022					0.0019 (J)	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.08869 (oD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00128 (J)	<0.005				
7/13/2016	0.001 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0017 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	0.0012 (J)			0.0006 (J)		
3/21/2017		0.0009 (J)			0.0007 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						0.0006 (J)
9/20/2017					<0.005	
9/21/2017	0.001 (J)			<0.005		
9/22/2017		0.0008 (J)				
9/25/2017			<0.005			
3/14/2018	0.0013 (J)	0.00092 (J)	0.00091 (J)	0.00057 (J)	0.00076 (J)	0.0011 (J)
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		0.00047 (JD)
9/9/2019	0.00094 (J)		0.00099 (J)		0.00082 (J)	
9/10/2019		<0.005				
3/4/2020	0.00088 (J)				0.00072 (J)	
3/5/2020		<0.005		0.00042 (J)		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.0011 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.00094 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			0.0015 (J)	0.002 (J)		
7/30/2021	0.0025 (J)	0.0053				
8/2/2021						0.0028 (J)
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				0.0015 (J)		
3/7/2016		<0.005				
3/8/2016	0.0148 (o)				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	0.00347 (J)					
7/12/2016				0.0009 (J)		
7/14/2016		0.001 (J)				
7/15/2016	0.0017 (J)		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	0.002 (J)					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					0.0004 (J)	
3/20/2017		0.0012 (J)		0.0013 (J)		
3/21/2017	0.0021 (J)					
3/22/2017			<0.005			
5/19/2017				0.001 (J)	0.0005 (J)	
5/23/2017	<0.005	<0.005				
5/24/2017			0.0006 (J)			
9/19/2017	0.0013 (J)	0.0021 (J)		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		0.00087 (J)		0.0015 (J)	0.00073 (J)	
3/14/2018	0.0033 (J)		0.0014 (J)			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.0038 (J)	0.00099 (J)				
3/12/2019			<0.005			
9/5/2019		0.0024 (J)		0.0005 (JD)	<0.005	
9/6/2019	0.0024 (J)		0.00054 (J)			
3/3/2020	0.0015 (J)	0.0014 (J)		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	0.0023 (J)	0.0025 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.0045 (J)	0.0018 (J)		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				0.0031 (J)		
7/30/2021			0.006			
8/2/2021	0.0071	0.0041 (J)			0.0036 (J)	
1/27/2022		0.0045 (J)			<0.005	
1/28/2022	0.0031 (J)		0.0026 (J)	0.0021 (J)		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0025 (J)	0.0035 (J)				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0025 (J)	0.003 (J)		<0.005	<0.005	
2/10/2023			0.0032 (J)			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.0069	0.031				
9/16/2014			0.0071	0.014		
10/3/2014	0.0045	0.024	0.0087	0.016		
10/20/2014	0.0044	0.024	0.0085	0.014		
11/10/2014	<0.0013	0.014	0.008	0.015		
3/2/2015	0.0045	0.013	0.0063	0.03 (o)		
3/17/2015	0.0078	0.013	0.0066	0.018		
4/5/2015	0.01	0.022	0.0068			
4/6/2015				0.014		
4/21/2015	0.013	0.018				
4/22/2015			0.0094	0.012		
5/8/2015					0.0094	0.033
5/17/2015					0.014	0.04
5/25/2015					0.012	0.039
6/8/2015					0.0094	0.031
6/18/2015					0.0075	0.039
6/24/2015					0.0056	0.042
6/30/2015					0.0047	0.033
7/6/2015					0.0047	0.031
7/28/2015	0.011	0.022	0.0057	0.012		
8/12/2015					0.00383 (J)	<-0.02
2/29/2016						0.028
3/1/2016	0.0189	0.021	0.0101			
3/2/2016				0.0123		
5/2/2016	0.0133	0.0225				
5/3/2016			0.0104	0.0114		
5/4/2016					0.0207	0.0273
7/6/2016		0.0249				
7/7/2016	0.013			0.012	0.0207	
7/8/2016			0.0095 (J)			0.0284
9/7/2016	0.0116	0.0251	0.0095 (J)			
9/8/2016				0.0131	0.0278	0.0242
10/25/2016	0.0129	0.0274	0.0121	0.0122		
10/26/2016					0.0204	0.021
1/5/2017	0.013	0.028				
1/6/2017			0.014		0.0221	0.0219
2/9/2017				0.0104		
3/14/2017		0.02	0.009 (J)			
3/15/2017	0.0121				0.0172	0.0202
3/23/2017				0.0128		
5/16/2017		0.0221	0.0084 (J)			
5/17/2017	0.0123			0.0113		0.0219
5/18/2017					0.0181	
7/19/2017					0.018	
9/15/2017	0.0127	0.0231	0.0078 (J)			0.0209
9/19/2017				0.0114	0.0271	
3/12/2018	0.014	0.023	0.006 (J)			
3/13/2018				0.011	0.017	0.02
9/6/2018	0.013	0.024	0.0058 (J)	0.011		0.024
9/7/2018					0.022	
3/6/2019	0.018		0.0052 (J)			
3/7/2019		0.018		0.011		0.025

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.015	
9/4/2019	0.014	0.026	0.005 (J)	0.0115 (D)	0.018	0.02
3/2/2020	0.019	0.024	0.005 (J)	0.012		0.023
3/3/2020					0.017	
9/3/2020	0.014		0.0045 (J)	0.011		0.017
9/9/2020					0.017	
9/14/2020		0.03				
2/24/2021	0.016		0.0044 (J)	0.013		0.025
2/25/2021					0.018	
3/26/2021		0.02				
7/27/2021		0.043				0.026
7/28/2021			0.0052	0.013	0.019	
8/6/2021	0.01					
1/25/2022				0.012		0.023
1/26/2022		0.035	0.0046 (J)		0.034	
8/5/2022				0.012		0.019
8/8/2022		0.038	0.0035 (J)			
8/9/2022					0.015	
2/8/2023		0.038	0.0039 (J)	0.013		

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.014				
5/9/2015	0.044		0.054	0.022	0.042	0.018
5/17/2015		0.015				
5/18/2015	0.04		0.058	0.031	0.063	
5/19/2015						0.02
5/25/2015	0.036	0.014	0.051			
5/26/2015				0.028	0.057	0.02
6/8/2015	0.028	0.014				
6/9/2015			0.034	0.031	0.07	0.02
6/17/2015	0.026		0.032	0.029	0.065	0.019
6/18/2015		0.013				
6/24/2015	0.021	0.014				
6/25/2015			0.032	0.024	0.068	0.019
6/30/2015	0.018	0.014				
7/1/2015			0.029	0.026	0.069	0.018
7/6/2015	0.018	0.013				
7/7/2015			0.029	0.027	0.071	0.019
8/12/2015	<0.02	0.015 (J)	<0.02	<0.02	<0.02	<0.02
3/2/2016	0.017	0.015	0.0297	0.0276		
3/3/2016					0.0424	0.0259
5/3/2016	0.016	0.0144		0.0291	0.0477	
5/4/2016			0.0299			
5/9/2016						0.0236
7/8/2016	0.0156		0.0294			
7/11/2016		0.0145		0.0225	0.0506	0.0295
9/7/2016		0.014				
9/8/2016	0.0144		0.0275			
9/9/2016				0.018	0.0478	0.0259
10/26/2016	0.0128		0.0263	0.0177		0.0231
10/27/2016		0.0142			0.0472	
1/6/2017		0.0139				
1/9/2017	0.0134		0.0263	0.0183	0.0507	0.0273
3/15/2017			0.0262			0.0286
3/16/2017	0.0129	0.0145		0.0175	0.0497	
5/18/2017			0.0276	0.0203	0.0466	0.0253
5/19/2017	0.0141	0.0161				
9/15/2017			0.0281	0.0197		0.0247
9/18/2017					0.0436	
9/19/2017	0.0127	0.0153				
3/12/2018				0.023	0.041	
3/13/2018	0.013	0.015	0.034			0.031
9/6/2018			0.04			
9/7/2018				0.025	0.039	0.034
9/11/2018	0.013	0.015				
3/7/2019			0.039		0.033	0.042
3/8/2019	0.012			0.027		
3/12/2019		0.016				
9/4/2019						0.033
9/5/2019	0.013	0.014	0.034	0.024	0.032	
3/3/2020			0.031	0.023		
3/4/2020	0.013	0.015			0.029	0.039
9/4/2020				0.022	0.032	0.033

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	0.012	0.013	0.035			
2/25/2021			0.034	0.028	0.034	0.032
2/26/2021	0.013	0.015				
7/27/2021			0.028			
7/28/2021				0.027	0.03	0.035
7/29/2021	0.013	0.015				
1/25/2022			0.031			
1/26/2022	0.013	0.014		0.026		0.032
1/27/2022					0.032	
8/5/2022			0.03			0.033
8/8/2022	0.011	0.013		0.026	0.027	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.069					
9/17/2014		0.019	0.035	0.015	0.018	
9/18/2014						0.031
10/4/2014	0.057	0.02	0.038	<0.0013	0.017	
10/5/2014						0.032
10/21/2014	0.056	0.02	0.034	0.027 (o)	0.017	
10/22/2014						0.03
11/5/2014			0.04		0.017	0.031
11/11/2014	0.05	0.021		0.028 (o)		
3/3/2015	0.045	0.02	0.033	0.034 (o)	0.016	
3/4/2015						0.026
3/18/2015	0.044	0.019	0.031	0.014		
3/19/2015					0.015	0.028
4/6/2015	0.045	0.02				
4/7/2015			0.038	0.017	0.017	0.031
4/23/2015	0.041	0.019	0.031	0.013		
4/24/2015					0.015	0.027
7/29/2015	0.043	0.02	0.045	0.013	0.016	
7/30/2015						0.032
3/3/2016	0.0806					
3/4/2016		0.0262 (Jo)				
3/7/2016			<3 (o)	0.0129	<3 (o)	
3/8/2016						0.0298
5/5/2016			0.0278	0.0149		
5/9/2016					0.0162	0.0304
5/10/2016	0.0495	0.0204				
7/13/2016	0.0374		0.0255	0.0132		
7/14/2016		0.0198			0.0142	0.0307
9/12/2016				0.0142	0.0154	0.0331
9/13/2016			0.0251			
9/14/2016		0.0183				
9/15/2016	0.0542					
10/31/2016			0.0277		0.015	0.0321
11/1/2016		0.0209		0.0127		
11/2/2016	0.0561					
1/11/2017	0.0401	0.0194		0.0146	0.0148	
1/12/2017			0.0258			0.0291
3/20/2017	0.0383			0.0147		
3/21/2017		0.0201			0.0159	
3/22/2017						0.025
3/23/2017			0.0254			
5/22/2017				0.0146	0.0155	0.0276
5/23/2017	0.0376	0.0199	0.0247			
9/19/2017						0.034
9/20/2017					0.0164	
9/21/2017	0.0418			0.0152		
9/22/2017		0.0195				
9/25/2017			0.0228			
3/14/2018	0.036	0.02	0.025	0.014	0.016	0.03
9/7/2018	0.047			0.015		
9/10/2018					0.016	0.028
9/11/2018		0.019	0.019			

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.044					
3/12/2019		0.021	0.014	0.014	0.016	0.03
9/6/2019				0.014		0.0275 (D)
9/9/2019	0.03		0.028		0.015	
9/10/2019		0.019				
3/4/2020	0.045				0.017	
3/5/2020		0.018		0.015		0.028
3/6/2020			0.015			
9/4/2020						0.033
9/9/2020	0.051	0.018	0.016	0.014	0.014	
2/26/2021			0.017	0.015	0.016	
3/9/2021	0.058					0.027
3/10/2021		0.019				
7/29/2021			0.016	0.015		
7/30/2021	0.045	0.019				
8/2/2021						0.03
8/5/2021					0.017	
1/27/2022				0.014	0.016	0.028
1/28/2022	0.049	0.018	0.044			
8/9/2022					0.014	0.029
8/10/2022			0.013	0.014		
8/11/2022	0.034	0.017				
2/9/2023			0.016	0.015	0.015	
2/10/2023	0.053	0.018				0.031

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.019	0.015	
9/18/2014	0.023	0.057	0.042			
10/4/2014				0.019	0.015	
10/5/2014	0.025	0.052	0.038			
10/22/2014	0.025	0.052	0.029			
10/23/2014				0.019	0.015	
11/5/2014	0.025	<0.0013	0.031			
11/10/2014				0.019	0.015	
3/4/2015	0.024	0.046	0.03	0.021	0.016	
3/19/2015	0.024	0.045				
3/20/2015			0.027	0.02	0.015	
4/8/2015	0.027	0.045	0.032	0.023		
4/9/2015					0.016	
4/23/2015			0.026	0.02	0.015	
4/24/2015	0.025	0.039				
7/30/2015	0.025	0.039	0.029	0.021	0.015	
3/4/2016				0.0422 (o)		
3/7/2016		0.026				
3/8/2016	0.0377				0.0161	
3/9/2016			0.0284 (J)			
5/4/2016					0.0167	
5/5/2016		0.0374		0.0249		
5/6/2016			0.0233			
5/9/2016	0.0347					
7/12/2016				0.0246		
7/14/2016		0.0271				
7/15/2016	0.0259		0.0208			
7/18/2016					0.0162	
9/9/2016	0.0242					
9/12/2016		0.045				
9/13/2016				0.0236	0.0161	
9/14/2016			0.0198			
10/27/2016	0.0227	0.0359		0.0229	0.016	
11/1/2016			0.0207			
1/12/2017	0.0253					
1/13/2017		0.0338		0.0292	0.015	
1/25/2017			0.0195			
3/16/2017					0.0163	
3/20/2017		0.033		0.029		
3/21/2017	0.0292					
3/22/2017			0.0211			
5/19/2017				0.0295	0.0164	
5/23/2017	0.0282	0.0287				
5/24/2017			0.0217			
9/19/2017	0.0276	0.0389		0.0248	0.0147	
9/21/2017			0.0226			
3/13/2018		0.028		0.031	0.015	
3/14/2018	0.024		0.024			
9/7/2018		0.055				
9/10/2018	0.016					
9/11/2018			0.023	0.024	0.015	
3/8/2019				0.02	0.017	

Time Series

Constituent: Barium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.015	0.048				
3/12/2019			0.022			
9/5/2019		0.045		0.021 (D)	0.016	
9/6/2019	0.041		0.021			
3/3/2020	0.022	0.044		0.02	0.015	
3/5/2020			0.022			
9/4/2020					0.016	
9/8/2020	0.015	0.054				
9/9/2020			0.036	0.024		
3/9/2021	0.014	0.045		0.021	0.016	
3/10/2021			0.026			
7/29/2021				0.014		
7/30/2021			0.028			
8/2/2021	0.024	0.034			0.018	
1/27/2022		0.06			0.017	
1/28/2022	0.037		0.036	0.025		
8/8/2022						0.037
8/9/2022				0.015	0.015	
8/10/2022	0.03	0.042				
8/11/2022			0.034			
2/8/2023						0.041
2/9/2023	0.031	0.04		0.018	0.016	
2/10/2023			0.038			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00011 (J)	0.0032				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	8.3E-05 (J)		
10/20/2014	<0.003	0.0014	<0.003	7.8E-05 (J)		
11/10/2014	<0.003	<0.003	<0.003	8E-05 (J)		
3/2/2015	<0.003	<0.003	<0.003	0.00034 (J)		
3/17/2015	0.0001 (J)	8.3E-05 (J)	<0.003	0.00014 (J)		
4/5/2015	0.00012 (J)	0.00038 (J)	<0.003			
4/6/2015				<0.003		
4/21/2015	0.00033 (J)	0.0011 (J)				
4/22/2015			8.3E-05 (J)	7.8E-05 (J)		
5/8/2015					<0.003	<0.003
5/17/2015					0.00022 (J)	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	0.00014 (J)	0.00092 (J)	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	<0.003			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			<0.003	<0.003		
5/4/2016					<0.003	<0.003
7/6/2016		0.0002 (J)				
7/7/2016	0.0001 (J)			<0.003	<0.003	
7/8/2016			<0.003			<0.003
9/7/2016	0.0001 (J)	<0.003	<0.003			
9/8/2016				<0.003	<0.003	<0.003
10/25/2016	<0.003	<0.003	<0.003	<0.003		
10/26/2016					<0.003	<0.003
1/5/2017	0.0001 (J)	0.0001 (J)				
1/6/2017			<0.003		<0.003	<0.003
2/9/2017				<0.003		
3/14/2017		0.0001 (J)	<0.003			
3/15/2017	0.0002 (J)				<0.003	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	<0.003			
5/17/2017	0.0002 (J)			<0.003		<0.003
5/18/2017				<0.003		
7/19/2017				<0.003		
9/15/2017	0.0002 (J)	<0.003	<0.003			<0.003
9/19/2017				<0.003	<0.003	
3/12/2018	0.00017 (J)	5.6E-05 (J)	<0.003			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	0.00015 (J)	<0.003	<0.003	<0.003		<0.003
9/7/2018				<0.003		
3/6/2019	0.00029 (J)		<0.003			
3/7/2019		6.8E-05 (J)		<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.00016 (J)	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2020	0.00024 (J)	0.00015 (J)	<0.003	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.0002 (J)		<0.003	<0.003		<0.003
9/9/2020					<0.003	
9/14/2020		0.00012 (J)				
2/24/2021	0.00022 (J)		<0.003	<0.003		<0.003
2/25/2021					<0.003	
3/26/2021		0.00019 (J)				
7/27/2021		8.1E-05 (J)				9.7E-05 (J)
7/28/2021			<0.003	<0.003	<0.003	
8/6/2021	6.3E-05 (J)					
1/25/2022				<0.003		<0.003
1/26/2022		<0.003	<0.003		<0.003	
8/5/2022				<0.003		<0.003
8/8/2022		<0.003	<0.003			
8/9/2022					<0.003	
2/8/2023		<0.003	<0.003	<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	0.00011 (J)	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	0.00025 (J)	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	0.00014 (J)				
7/1/2015			<0.003	<0.003	0.00024 (J)	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	0.00012 (J)	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2016	<0.003	<0.003	<0.003	<0.003		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	<0.003		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	0.0001 (J)
9/7/2016		<0.003				
9/8/2016	<0.003		<0.003			
9/9/2016				<0.003	<0.003	<0.003
10/26/2016	<0.003		<0.003	<0.003		<0.003
10/27/2016		<0.003			<0.003	
1/6/2017		<0.003				
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	<0.003		<0.003	<0.003	
5/18/2017			<0.003	<0.003	<0.003	<0.003
5/19/2017	<0.003	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	<0.003	<0.003			<0.003
9/6/2018			<0.003			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	<0.003				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	5.7E-05 (J)			<0.003		
3/12/2019		<0.003				
9/4/2019						<0.003
9/5/2019	<0.003	<0.003	<0.003	<0.003	<0.003	
3/3/2020			<0.003	<0.003		
3/4/2020	<0.003	<0.003			<0.003	<0.003
9/4/2020				<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	5.5E-05 (J)	<0.003	<0.003			
2/25/2021			<0.003	<0.003	<0.003	<0.003
2/26/2021	5.1E-05 (J)	<0.003				
7/27/2021			<0.003			
7/28/2021				<0.003	<0.003	<0.003
7/29/2021	9E-05 (J)	<0.003				
1/25/2022			<0.003			
1/26/2022	7E-05 (J)	<0.003		<0.003		<0.003
1/27/2022					<0.003	
8/5/2022			<0.003			<0.003
8/8/2022	<0.003	<0.003		<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	7.8E-05 (J)	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			9E-05 (J)		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	7.8E-05 (J)	<0.003		
4/24/2015					<0.003	8.3E-05 (J)
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	<0.003					
3/4/2016		<0.003				
3/7/2016			<0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	<0.003		
5/9/2016					<0.003	<0.003
5/10/2016	<0.003	<0.003				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		<0.003				
9/15/2016	<0.003					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	<0.003					
1/11/2017	<0.003	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	<0.003			<0.003		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	<0.003	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					0.0001 (J)	
9/21/2017	<0.003			<0.003		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	<0.003	<0.003	<0.003	0.00011 (J)	6.5E-05 (J)	<0.003
9/7/2018	<0.003			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.003					
3/12/2019		<0.003	<0.003	<0.003	<0.003	<0.003
9/6/2019				<0.003		<0.003
9/9/2019	<0.003		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	<0.003				0.00013 (J)	
3/5/2020		<0.003		0.00013 (J)		<0.003
3/6/2020			<0.003			
9/4/2020						<0.003
9/9/2020	<0.003	<0.003	<0.003	0.0002 (J)	<0.003	
2/26/2021			<0.003	0.0002 (J)	<0.003	
3/9/2021	<0.003					<0.003
3/10/2021		<0.003				
7/29/2021			<0.003	0.00015 (J)		
7/30/2021	<0.003	<0.003				
8/2/2021						<0.003
8/5/2021					9.9E-05 (J)	
1/27/2022				5.5E-05 (J)	<0.003	<0.003
1/28/2022	<0.003	<0.003	<0.003			
8/9/2022					<0.003	<0.003
8/10/2022			<0.003	5.6E-05 (J)		
8/11/2022	<0.003	<0.003				
2/9/2023			<0.003	0.00015 (J)	<0.003	
2/10/2023	<0.003	<0.003				<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.003	<0.003	
9/18/2014	<0.003	<0.003	<0.003			
10/4/2014				<0.003	<0.003	
10/5/2014	<0.003	<0.003	<0.003			
10/22/2014	<0.003	<0.003	<0.003			
10/23/2014				<0.003	<0.003	
11/5/2014	<0.003	<0.003	<0.003			
11/10/2014				<0.003	<0.003	
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/19/2015	<0.003	<0.003				
3/20/2015			<0.003	<0.003	<0.003	
4/8/2015	<0.003	<0.003	<0.003	<0.003		
4/9/2015					<0.003	
4/23/2015			<0.003	<0.003	<0.003	
4/24/2015	<0.003	<0.003				
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2016				<0.003		
3/7/2016		<0.003				
3/8/2016	<0.003				<0.003	
3/9/2016			<0.003			
5/4/2016					<0.003	
5/5/2016		<0.003		<0.003		
5/6/2016			<0.003			
5/9/2016	<0.003					
7/12/2016				<0.003		
7/14/2016		<0.003				
7/15/2016	<0.003		<0.003			
7/18/2016					<0.003	
9/9/2016	<0.003					
9/12/2016		<0.003				
9/13/2016				<0.003	<0.003	
9/14/2016			<0.003			
10/27/2016	<0.003	<0.003		<0.003	<0.003	
11/1/2016			<0.003			
1/12/2017	<0.003					
1/13/2017		<0.003		<0.003	<0.003	
1/25/2017			<0.003			
3/16/2017					<0.003	
3/20/2017		<0.003		<0.003		
3/21/2017	<0.003					
3/22/2017			<0.003			
5/19/2017				<0.003	<0.003	
5/23/2017	<0.003	<0.003				
5/24/2017			<0.003			
9/19/2017	<0.003	<0.003		<0.003	<0.003	
9/21/2017			<0.003			
3/13/2018		<0.003		<0.003	<0.003	
3/14/2018	<0.003		<0.003			
9/7/2018		<0.003				
9/10/2018	<0.003					
9/11/2018			<0.003	<0.003	<0.003	
3/8/2019				<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.003	<0.003				
3/12/2019			<0.003			
9/5/2019		<0.003		<0.003	<0.003	
9/6/2019	<0.003		<0.003			
3/3/2020	<0.003	<0.003		<0.003	<0.003	
3/5/2020			<0.003			
9/4/2020					<0.003	
9/8/2020	<0.003	<0.003				
9/9/2020			<0.003	<0.003		
3/9/2021	<0.003	<0.003		<0.003	<0.003	
3/10/2021			<0.003			
7/29/2021				<0.003		
7/30/2021			<0.003			
8/2/2021	<0.003	<0.003			<0.003	
1/27/2022		<0.003			<0.003	
1/28/2022	<0.003		<0.003	<0.003		
8/8/2022						<0.003
8/9/2022				<0.003	<0.003	
8/10/2022	<0.003	<0.003				
8/11/2022			<0.003			
2/8/2023						7.7E-05 (J)
2/9/2023	<0.003	<0.003		<0.003	<0.003	
2/10/2023			<0.003			

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						<0.04
3/1/2016	<0.04	<0.04	<0.04			
3/2/2016				<0.04		
5/2/2016	<0.04	<0.04				
5/3/2016			<0.04	<0.04		
5/4/2016					<0.04	<0.04
7/6/2016		0.0059 (J)				
7/7/2016	0.0081 (J)			<0.04	0.0096 (J)	
7/8/2016			0.0067 (J)			0.009 (J)
9/7/2016	<0.04	<0.04	0.0084 (J)			
9/8/2016				<0.04	0.0137 (J)	<0.04
10/25/2016	0.0071 (J)	0.0077 (J)	0.0089 (J)	<0.04		
10/26/2016					0.0247 (J)	0.0077 (J)
1/5/2017	<0.04	0.0074 (J)				
1/6/2017			<0.04		0.0082 (J)	0.0084 (J)
2/9/2017				<0.04		
3/14/2017		0.0062 (J)	<0.04			
3/15/2017	<0.04				<0.04	<0.04
3/23/2017				<0.04		
5/16/2017		<0.04	<0.04			
5/17/2017	<0.04			<0.04		<0.04
5/18/2017					0.0076 (J)	
7/19/2017					0.0193 (J)	
9/15/2017	<0.04	<0.04	<0.04			<0.04
9/19/2017				<0.04	0.0132 (J)	
3/12/2018	<0.04	0.0082 (J)	0.004 (J)			
3/13/2018				<0.04	0.013 (J)	0.0084 (J)
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04
9/7/2018					<0.04	
3/6/2019	<0.04		<0.04			
3/7/2019		0.0049 (J)		<0.04		<0.04
3/8/2019					0.0085 (J)	
9/4/2019	<0.04	<0.04	<0.04	<0.04	0.01 (J)	<0.04
3/2/2020	0.01 (J)	0.014 (J)	0.0052 (J)	<0.04		0.007 (J)
3/3/2020					0.0096 (J)	
9/3/2020	<0.04		<0.04	<0.04		<0.04
9/9/2020					0.0054 (J)	
9/14/2020		0.0065 (J)				
2/24/2021	0.0062 (J)		<0.04	<0.04		0.0099 (J)
2/25/2021					0.0052 (J)	
3/26/2021		0.019 (J)				
7/27/2021		0.013 (J)				0.021 (J)
7/28/2021			<0.04	<0.04	<0.04	
8/6/2021	<0.04					
1/25/2022				<0.04		<0.04
1/26/2022		0.012 (J)	<0.04		0.0088 (J)	
8/5/2022				0.009 (J)		<0.04
8/8/2022		0.018 (J)	<0.04			
8/9/2022					<0.04	
2/8/2023		0.023 (J)	<0.04	<0.04		

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	<0.04	<0.04	<0.04	<0.04		
3/3/2016					<0.04	<0.04
5/3/2016	<0.04	<0.04		<0.04	<0.04	
5/4/2016			<0.04			
5/9/2016						<0.04
7/8/2016	<0.04		0.0046 (J)			
7/11/2016		<0.04		0.0054 (J)	0.0047 (J)	0.0128 (J)
9/7/2016		<0.04				
9/8/2016	<0.04		0.0081 (J)			
9/9/2016				<0.04	<0.04	0.0158 (J)
10/26/2016	0.0095 (J)		0.0088 (J)	0.0144 (J)		0.0257 (J)
10/27/2016		0.0148 (J)			0.0108 (J)	
1/6/2017		<0.04				
1/9/2017	<0.04		<0.04	<0.04	<0.04	0.0219 (J)
3/15/2017			<0.04			0.0253 (J)
3/16/2017	<0.04	<0.04		<0.04	<0.04	
5/18/2017			<0.04	<0.04	<0.04	0.0249 (J)
5/19/2017	<0.04	<0.04				
9/15/2017			<0.04	<0.04		<0.04
9/18/2017					<0.04	
9/19/2017	<0.04	<0.04				
3/12/2018				0.0055 (J)	0.0041 (J)	
3/13/2018	<0.04	<0.04	0.0053 (J)			0.024 (J)
9/6/2018			<0.04			
9/7/2018				<0.04	<0.04	0.024 (J)
9/11/2018	<0.04	<0.04				
3/7/2019			<0.04		<0.04	0.02 (J)
3/8/2019	<0.04			0.0056 (J)		
3/12/2019		<0.04				
9/4/2019						0.015 (J)
9/5/2019	<0.04	<0.04	<0.04	<0.04	<0.04	
3/3/2020			0.0084 (J)	0.01 (J)		
3/4/2020	0.0064 (J)	<0.04			0.0063 (J)	0.022 (J)
9/4/2020				0.0053 (J)	<0.04	0.015 (J)
9/8/2020	0.0072 (J)	<0.04	<0.04			
2/25/2021			<0.04	0.0075 (J)	0.0055 (J)	0.017 (J)
2/26/2021	<0.04	<0.04				
7/27/2021			<0.04			
7/28/2021				<0.04	<0.04	0.016 (J)
7/29/2021	<0.04	<0.04				
1/25/2022			<0.04			
1/26/2022	<0.04	<0.04		<0.04		0.014 (J)
1/27/2022					<0.04	
8/5/2022			<0.04			0.015 (J)
8/8/2022	<0.04	<0.04		<0.04	<0.04	

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	<0.04					
3/4/2016		<0.04				
3/7/2016			<0.04	<0.04	<0.04	
3/8/2016						<0.04
5/5/2016			<0.04	<0.04		
5/9/2016					<0.04	<0.04
5/10/2016	<0.04	<0.04				
7/13/2016	0.0297 (J)		0.0047 (J)	0.0159 (J)		
7/14/2016		0.0069 (J)			0.0045 (J)	<0.04
9/12/2016				<0.04	<0.04	<0.04
9/13/2016			<0.04			
9/14/2016		<0.04				
9/15/2016	<0.04					
10/31/2016			0.0111 (J)		0.0086 (J)	0.007 (J)
11/1/2016		<0.04		<0.04		
11/2/2016	<0.04					
1/11/2017	<0.04	0.0078 (J)		<0.04	<0.04	
1/12/2017			<0.04			<0.04
3/20/2017	0.0092 (J)			<0.04		
3/21/2017		<0.04			<0.04	
3/22/2017						<0.04
3/23/2017			<0.04			
5/22/2017				0.0452	<0.04	<0.04
5/23/2017	<0.04	<0.04	<0.04			
9/19/2017						<0.04
9/20/2017					<0.04	
9/21/2017	<0.04			<0.04		
9/22/2017		<0.04				
9/25/2017			<0.04			
3/14/2018	0.0065 (J)	0.0051 (J)	<0.04	<0.04	0.0076 (J)	<0.04
9/7/2018	<0.04			<0.04		
9/10/2018					<0.04	<0.04
9/11/2018		<0.04	<0.04			
3/11/2019	0.013 (J)					
3/12/2019		0.0099 (J)	<0.04	<0.04	<0.04	0.0045 (J)
9/6/2019				<0.04		0.02365 (JD)
9/9/2019	<0.04		<0.04		<0.04	
9/10/2019		<0.04				
3/4/2020	0.027 (J)				<0.04	
3/5/2020		<0.04		<0.04		<0.04
3/6/2020			<0.04			
9/4/2020						<0.04
9/9/2020	0.012 (J)	<0.04	<0.04	<0.04	<0.04	
2/26/2021			<0.04	<0.04	<0.04	
3/9/2021	0.028 (J)					<0.04
3/10/2021		<0.04				
7/29/2021			<0.04	<0.04		
7/30/2021	0.017 (J)	<0.04				
8/2/2021						<0.04
8/5/2021					<0.04	
1/27/2022				<0.04	<0.04	<0.04
1/28/2022	0.021 (J)	<0.04	<0.04			

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					<0.04	<0.04
8/10/2022			<0.04	<0.04		
8/11/2022	0.013 (J)	<0.04				
2/9/2023			<0.04	<0.04	<0.04	
2/10/2023	0.02 (J)	<0.04				<0.04

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				<0.04		
3/7/2016		<0.04				
3/8/2016	<0.04				<0.04	
3/9/2016			<0.04			
5/4/2016					<0.04	
5/5/2016		<0.04		<0.04		
5/6/2016			0.0271 (J)			
5/9/2016	<0.04					
7/12/2016				0.005 (J)		
7/14/2016		0.0047 (J)				
7/15/2016	<0.04		0.0055 (J)			
7/18/2016					<0.04	
9/9/2016	<0.04					
9/12/2016		<0.04				
9/13/2016				<0.04	<0.04	
9/14/2016			0.0094 (J)			
10/27/2016	0.0103 (J)	0.0153 (J)		0.0093 (J)	0.0162 (J)	
11/1/2016			0.008 (J)			
1/12/2017	<0.04					
1/13/2017		<0.04		<0.04	<0.04	
1/25/2017			<0.04			
3/16/2017					<0.04	
3/20/2017		<0.04		<0.04		
3/21/2017	<0.04					
3/22/2017			<0.04			
5/19/2017				<0.04	<0.04	
5/23/2017	<0.04	<0.04				
5/24/2017			0.0133 (J)			
9/19/2017	<0.04	<0.04		<0.04	<0.04	
9/21/2017			<0.04			
3/13/2018		<0.04		0.0042 (J)	<0.04	
3/14/2018	0.0053 (J)		0.0056 (J)			
9/7/2018		<0.04				
9/10/2018	<0.04					
9/11/2018			<0.04	<0.04	<0.04	
3/8/2019				<0.04	<0.04	
3/11/2019	0.005 (J)	<0.04				
3/12/2019			0.0047 (J)			
9/5/2019		<0.04		<0.04	<0.04	
9/6/2019	<0.04		<0.04			
3/3/2020	0.0096 (J)	0.0066 (J)		<0.04	<0.04	
3/5/2020			<0.04			
9/4/2020					<0.04	
9/8/2020	0.014 (J)	0.0084 (J)				
9/9/2020			<0.04	<0.04		
3/9/2021	0.015 (J)	0.0058 (J)		<0.04	<0.04	
3/10/2021			<0.04			
7/29/2021				<0.04		
7/30/2021			<0.04			
8/2/2021	0.017 (J)	<0.04			<0.04	
1/27/2022		<0.04			<0.04	
1/28/2022	0.011 (J)		<0.04	<0.04		

Time Series

Constituent: Boron (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						0.023 (J)
8/9/2022				<0.04	<0.04	
8/10/2022	<0.04	<0.04				
8/11/2022			<0.04			
2/8/2023						0.028 (J)
2/9/2023	0.012 (J)	<0.04		<0.04	<0.04	
2/10/2023			<0.04			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00035 (J)	0.001 (J)				
9/16/2014			<0.0005	<0.0005		
10/3/2014	<0.0013	<0.0005	<0.0005	<0.0005		
10/20/2014	<0.0013	0.00036 (J)	<0.0005	<0.0005		
11/10/2014	0.00033 (J)	<0.0005	0.00026 (J)	<0.0005		
3/2/2015	<0.0013	<0.0005	<0.0005	0.00035 (J)		
3/17/2015	0.00057 (J)	<0.0005	<0.0005	<0.0005		
4/5/2015	0.00068 (J)	<0.0005	<0.0005			
4/6/2015				<0.0005		
4/21/2015	0.0011 (J)	0.00044 (J)				
4/22/2015			<0.0005	<0.0005		
5/8/2015					<0.0005	<0.0005
5/17/2015					0.00029 (J)	<0.0005
5/25/2015					<0.0005	<0.0005
6/8/2015					<0.0005	<0.0005
6/18/2015					<0.0005	<0.0005
6/24/2015					<0.0005	<0.0005
6/30/2015					<0.0005	<0.0005
7/6/2015					<0.0005	<0.0005
7/28/2015	0.00073 (J)	0.00027 (J)	<0.0005	<0.0005		
8/12/2015					<0.0005	<0.0005
2/29/2016						<0.0005
3/1/2016	0.00103	0.000207 (J)	0.000103 (J)			
3/2/2016				0.000109 (J)		
5/2/2016	0.000846 (J)	0.000154 (J)				
5/3/2016			<0.0005	<0.0005		
5/4/2016					<0.0005	<0.0005
7/6/2016		0.0002 (J)				
7/7/2016	0.0007 (J)			<0.0005	<0.0005	
7/8/2016			<0.0005			<0.0005
9/7/2016	0.0007 (J)	0.0002 (J)	<0.0005			
9/8/2016				0.0001 (J)	<0.0005	<0.0005
10/25/2016	0.0007 (J)	0.0002 (J)	<0.0005	<0.0005		
10/26/2016					<0.0005	<0.0005
1/5/2017	0.0008 (J)	<0.0005				
1/6/2017			<0.0005		<0.0005	<0.0005
2/9/2017				0.0001 (J)		
3/14/2017		<0.0005	<0.0005			
3/15/2017	0.0013				0.00055 (JD)	<0.0005
3/23/2017				0.0001 (J)		
5/16/2017		0.0001 (J)	<0.0005			
5/17/2017	0.001			0.0001 (J)		<0.0005
5/18/2017					<0.0005 (D)	
7/19/2017					<0.0005 (D)	
9/15/2017	0.0011	<0.0005	<0.0005			<0.0005
9/19/2017				<0.0005	<0.0005 (D)	
3/12/2018	0.0011	0.00013 (J)	<0.0005			
3/13/2018				<0.0005	<0.0005	<0.0005
9/6/2018	0.00086 (J)	0.00011 (J)	<0.0005	<0.0005		<0.0005
9/7/2018					<0.0005	
3/6/2019	0.0013		9.3E-05 (J)			
3/7/2019		0.00017 (J)		<0.0005		<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0005	
9/4/2019	0.00088 (J)	0.00016 (J)	<0.0005	<0.0005	<0.0005	<0.0005
3/2/2020	0.0012 (J)	0.00018 (J)	<0.0005	<0.0005		<0.0005
3/3/2020					<0.0005	
9/3/2020	0.00089 (J)		<0.0005	<0.0005		<0.0005
9/9/2020					<0.0005	
9/14/2020		0.00016 (J)				
2/24/2021	0.0012		<0.0005	<0.0005		<0.0005
2/25/2021					<0.0005	
3/26/2021		0.00015 (J)				
7/27/2021		0.00014 (J)				<0.0005
7/28/2021			0.00025 (J)	<0.0005	<0.0005	
8/6/2021	0.00055					
1/25/2022				<0.0005		<0.0005
1/26/2022		<0.0005	<0.0005		<0.0005	
8/5/2022				<0.0005		<0.0005
8/8/2022		0.00016 (J)	0.00032 (J)			
8/9/2022					<0.0005	
2/8/2023		<0.0005	<0.0005	<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0005				
5/9/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
5/17/2015		<0.0005				
5/18/2015	<0.0005		<0.0005	<0.0005	<0.0005	
5/19/2015						<0.0005
5/25/2015	<0.0005	<0.0005	<0.0005			
5/26/2015				<0.0005	<0.0005	<0.0005
6/8/2015	<0.0005	<0.0005				
6/9/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/17/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
6/18/2015		<0.0005				
6/24/2015	<0.0005	<0.0005				
6/25/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/30/2015	<0.0005	<0.0005				
7/1/2015			<0.0005	<0.0005	<0.0005	<0.0005
7/6/2015	<0.0005	<0.0005				
7/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
8/12/2015	<0.0005	<0.0005	<0.0005			
8/13/2015				<0.0005	<0.0005	<0.0005
3/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/3/2016	<0.0005	<0.0005		<0.0005	<0.0005	
5/4/2016			<0.0005			
5/9/2016						<0.0005
7/8/2016	<0.0005		<0.0005			
7/11/2016		<0.0005		<0.0005	<0.0005	<0.0005
9/7/2016		<0.0005				
9/8/2016	<0.0005		<0.0005			
9/9/2016				<0.0005	<0.0005	<0.0005
10/26/2016	<0.0005		<0.0005	<0.0005		<0.0005
10/27/2016		<0.0005			<0.0005	
1/6/2017		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/15/2017			<0.0005			<0.0005
3/16/2017	<0.0005	<0.0005		<0.0005	<0.0005	
5/18/2017			<0.0005	<0.0005	<0.0005	<0.0005
5/19/2017	<0.0005	<0.0005				
9/15/2017			<0.0005	<0.0005		<0.0005
9/18/2017					<0.0005	
9/19/2017	<0.0005	<0.0005				
3/12/2018				<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005	<0.0005			<0.0005
9/6/2018			<0.0005			
9/7/2018				<0.0005	<0.0005	<0.0005
9/11/2018	<0.0005	<0.0005				
3/7/2019			<0.0005		<0.0005	<0.0005
3/8/2019	<0.0005			<0.0005		
3/12/2019		<0.0005				
9/4/2019						<0.0005
9/5/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/3/2020			<0.0005	<0.0005		
3/4/2020	<0.0005	<0.0005			<0.0005	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0005	<0.0005	<0.0005
9/8/2020	<0.0005	<0.0005	<0.0005			
2/25/2021			<0.0005	<0.0005	<0.0005	<0.0005
2/26/2021	<0.0005	<0.0005				
7/27/2021			<0.0005			
7/28/2021				<0.0005	<0.0005	<0.0005
7/29/2021	<0.0005	<0.0005				
1/25/2022			<0.0005			
1/26/2022	<0.0005	<0.0005		<0.0005		<0.0005
1/27/2022					<0.0005	
8/5/2022			<0.0005			<0.0005
8/8/2022	0.0004 (J)	0.00022 (J)		<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0005					
9/17/2014		<0.0005	<0.0005	<0.0005	<0.0005	
9/18/2014						<0.0005
10/4/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/5/2014						<0.0005
10/21/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/22/2014						<0.0005
11/5/2014			<0.0005		<0.0005	<0.0005
11/11/2014	<0.0005	<0.0005		<0.0005		
3/3/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2015						<0.0005
3/18/2015	<0.0005	<0.0005	<0.0005	<0.0005		
3/19/2015					<0.0005	<0.0005
4/6/2015	<0.0005	<0.0005				
4/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
4/23/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/24/2015					<0.0005	<0.0005
7/29/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
7/30/2015						<0.0005
3/3/2016	<0.0005					
3/4/2016		<0.0005				
3/7/2016			<0.0005	<0.0005	<0.0005	
3/8/2016						<0.0005
5/5/2016			<0.0005	<0.0005		
5/9/2016					<0.0005	<0.0005
5/10/2016	<0.0005	<0.0005				
7/13/2016	<0.0005		<0.0005	<0.0005		
7/14/2016		<0.0005			<0.0005	<0.0005
9/12/2016				<0.0005	<0.0005	<0.0005
9/13/2016			<0.0005			
9/14/2016		<0.0005				
9/15/2016	<0.0005					
10/31/2016			8E-05 (J)		<0.0005	<0.0005
11/1/2016		<0.0005		<0.0005		
11/2/2016	<0.0005					
1/11/2017	<0.0005	<0.0005		<0.0005	<0.0005	
1/12/2017			<0.0005			<0.0005
3/20/2017	<0.0005			<0.0005		
3/21/2017		<0.0005			<0.0005	
3/22/2017						<0.0005
3/23/2017			<0.0005			
5/22/2017				<0.0005	<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005	<0.0005			
9/19/2017						<0.0005
9/20/2017					<0.0005	
9/21/2017	<0.0005			<0.0005		
9/22/2017		<0.0005				
9/25/2017			<0.0005			
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/7/2018	<0.0005			<0.0005		
9/10/2018					<0.0005	<0.0005
9/11/2018		<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0005					
3/12/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/6/2019				<0.0005		<0.0005
9/9/2019	<0.0005		<0.0005		<0.0005	
9/10/2019		<0.0005				
3/4/2020	<0.0005				<0.0005	
3/5/2020		<0.0005		<0.0005		<0.0005
3/6/2020			<0.0005			
9/4/2020						<0.0005
9/9/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/26/2021			<0.0005	<0.0005	<0.0005	
3/9/2021	<0.0005					<0.0005
3/10/2021		<0.0005				
7/29/2021			<0.0005	<0.0005		
7/30/2021	<0.0005	<0.0005				
8/2/2021						<0.0005
8/5/2021					<0.0005	
1/27/2022				<0.0005	<0.0005	<0.0005
1/28/2022	<0.0005	<0.0005	<0.0005			
8/9/2022					<0.0005	<0.0005
8/10/2022			<0.0005	<0.0005		
8/11/2022	<0.0005	<0.0005				
2/9/2023			<0.0005	<0.0005	<0.0005	
2/10/2023	<0.0005	<0.0005				<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.0005	<0.0005	
9/18/2014	<0.0005	<0.0005	<0.0005			
10/4/2014				<0.0005	<0.0005	
10/5/2014	<0.0005	<0.0005	<0.0005			
10/22/2014	<0.0005	<0.0005	<0.0005			
10/23/2014				<0.0005	<0.0005	
11/5/2014	<0.0005	<0.0005	<0.0005			
11/10/2014				<0.0005	<0.0005	
3/4/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/19/2015	<0.0005	<0.0005				
3/20/2015			<0.0005	<0.0005	<0.0005	
4/8/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/9/2015					<0.0005	
4/23/2015			<0.0005	<0.0005	<0.0005	
4/24/2015	<0.0005	<0.0005				
7/30/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2016				<0.0005		
3/7/2016		<0.0005				
3/8/2016	<0.0005				<0.0005	
3/9/2016			<0.0005			
5/4/2016					<0.0005	
5/5/2016		<0.0005		<0.0005		
5/6/2016			<0.0005			
5/9/2016	<0.0005					
7/12/2016				<0.0005		
7/14/2016		<0.0005				
7/15/2016	<0.0005		<0.0005			
7/18/2016					<0.0005	
9/9/2016	<0.0005					
9/12/2016		<0.0005				
9/13/2016				<0.0005	<0.0005	
9/14/2016			<0.0005			
10/27/2016	<0.0005	<0.0005		<0.0005	<0.0005	
11/1/2016			<0.0005			
1/12/2017	<0.0005					
1/13/2017		8E-05 (J)		<0.0005	0.0001 (J)	
1/25/2017			<0.0005			
3/16/2017					<0.0005	
3/20/2017		<0.0005		<0.0005		
3/21/2017	<0.0005					
3/22/2017			<0.0005			
5/19/2017				<0.0005	<0.0005	
5/23/2017	<0.0005	<0.0005				
5/24/2017			<0.0005			
9/19/2017	<0.0005	<0.0005		<0.0005	<0.0005	
9/21/2017			<0.0005			
3/13/2018		<0.0005		<0.0005	<0.0005	
3/14/2018	<0.0005		<0.0005			
9/7/2018		<0.0005				
9/10/2018	0.00021 (J)					
9/11/2018			<0.0005	<0.0005	<0.0005	
3/8/2019				<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.0005	<0.0005				
3/12/2019			<0.0005			
9/5/2019		<0.0005		<0.0005	<0.0005	
9/6/2019	<0.0005		<0.0005			
3/3/2020	<0.0005	<0.0005		<0.0005	<0.0005	
3/5/2020			<0.0005			
9/4/2020					<0.0005	
9/8/2020	<0.0005	<0.0005				
9/9/2020			<0.0005	<0.0005		
3/9/2021	<0.0005	<0.0005		<0.0005	<0.0005	
3/10/2021			<0.0005			
7/29/2021				<0.0005		
7/30/2021			<0.0005			
8/2/2021	<0.0005	<0.0005			<0.0005	
1/27/2022		<0.0005			<0.0005	
1/28/2022	<0.0005		<0.0005	<0.0005		
8/8/2022						<0.0005
8/9/2022				<0.0005	<0.0005	
8/10/2022	<0.0005	<0.0005				
8/11/2022			<0.0005			
2/8/2023						<0.0005
2/9/2023	<0.0005	<0.0005		<0.0005	<0.0005	
2/10/2023			<0.0005			

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						30
3/1/2016	20	32	0.98			
3/2/2016				2		
5/2/2016	19.6	30				
5/3/2016			1.12	2.68		
5/4/2016					43.4	30
7/6/2016		29.2				
7/7/2016	19.3			2.21	40.1	
7/8/2016			1			30.1
9/7/2016	19.9	28.4	0.858			
9/8/2016				1.8	37.1	26.8
10/25/2016	19.3	30.8	0.859	1.15		
10/26/2016					38.8	26.9
1/5/2017	21	32.6				
1/6/2017			1		39.6	27.6
2/9/2017				0.495 (J)		
3/14/2017		29.1	0.844			
3/15/2017	13.4				36.1	26.2
3/23/2017				0.543		
5/16/2017		28.5	0.922			
5/17/2017	16.8			0.889		27.6
5/18/2017					40.1	
7/19/2017					46.9	
9/15/2017	13.9	29.1	0.85			27.7
9/19/2017				1.28	47.7	
3/12/2018	11.8 (J)	30.6	0.81			
3/13/2018				1.4	46.1	26.2
9/6/2018	13.5 (J)	26.1	0.79	1.6		27.9
9/7/2018					44.2	
3/6/2019	11.2 (J)		0.78			
3/7/2019		28		2.6		29.5
3/8/2019					46.6	
9/4/2019	13.3	27.9	0.76	1.65 (D)	40.7	28.1
3/2/2020	12.5	35.2	0.77 (J)	2.5		33.7
3/3/2020					47.6	
9/3/2020	15.7		0.73 (J)	1		28.9
9/9/2020					44.1	
9/14/2020		32.4				
2/24/2021	13.6		0.71 (J)	1.2		37.1
2/25/2021					49.8	
3/26/2021		30.1				
7/27/2021		35.7				36.8
7/28/2021			0.75 (J)	1.1	47.1	
8/6/2021	19.5					
1/25/2022				1.1		28.6
1/26/2022		41	0.7 (J)		50.5	
8/5/2022				1.3		29.2
8/8/2022		54.8	0.74 (J)			
8/9/2022					46.1	
2/8/2023		54.1	0.7 (J)	1.3		

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	29	29	27	38		
3/3/2016					36	36
5/3/2016	31.2	31		48.7	39.1	
5/4/2016			27.6			
5/9/2016						39
7/8/2016	30		25.7			
7/11/2016		28.2		34.8	31.6	35.7
9/7/2016		27.6				
9/8/2016	28.6		26.3			
9/9/2016				32.1	29.8	32
10/26/2016	25.5		24	32.9		28.5
10/27/2016		26.5			28.9	
1/6/2017		26				
1/9/2017	26.1		24.1	32.5	27.9	27.5
3/15/2017			24.1			24.8
3/16/2017	26.7	26.6		30.8	28.2	
5/18/2017			26.7	37.2	31.3	26.9
5/19/2017	29.2	30.9				
9/15/2017			25.1	38.5		19.6
9/18/2017					29.7	
9/19/2017	26.9	28.5				
3/12/2018				39.6	38.2	
3/13/2018	28.6	29.3	24.3 (J)			26
9/6/2018			25.6			
9/7/2018				45.2	40.3	25.1
9/11/2018	27.3	26.3				
3/7/2019			23.8 (J)		40.4	33.3
3/8/2019	25.9			45.2		
3/12/2019		28				
9/4/2019						31.6
9/5/2019	29.3	29	24.6	46.2	34.6	
3/3/2020			27.1	40.1		
3/4/2020	31.2	31.6			39.9	38
9/4/2020				47.2	34.4	34.5
9/8/2020	28.5	29.4	24.5			
2/25/2021			25.3	48.5	44.8	36
2/26/2021	29.6	31.1				
7/27/2021			24.3			
7/28/2021				48.8	44.9	35.1
7/29/2021	29.4	29.4				
1/25/2022			24.3			
1/26/2022	29.6	30.4		53.2		37.6
1/27/2022					44.4	
8/5/2022			23.8			38
8/8/2022	30.4	31.8		52.3	47	

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	52					
3/4/2016		69				
3/7/2016			16	30	30	
3/8/2016						40
5/5/2016			17.2	29.6		
5/9/2016					32.6	43.8
5/10/2016	57.6	72.9				
7/13/2016	49		12.3	27.8		
7/14/2016		58.2			25.6	36
9/12/2016				29.1	29.6	42.1
9/13/2016			17.8			
9/14/2016		62.2				
9/15/2016	55.4					
10/31/2016			6.22		26.5	43.4
11/1/2016		62.5		26.2		
11/2/2016	54.8					
1/11/2017	51.6	63.9		25.2	28.5	
1/12/2017			16.6			39.1
3/20/2017	52.5			29.9		
3/21/2017		63.8			29.1	
3/22/2017						37
3/23/2017			19.6			
5/22/2017				28.9	28.2	36.8
5/23/2017	58.7	62	21			
9/19/2017						37.7
9/20/2017					32.1	
9/21/2017	63.8			30.8		
9/22/2017		67.2				
9/25/2017			17			
3/14/2018	60.6	65.6	23.4 (J)	27.6	30.7	35.9
9/7/2018	62.4			29.5		
9/10/2018					30.7	31.6
9/11/2018		63.2	18.1 (J)			
3/11/2019	63.8					
3/12/2019		65.3	23.2 (J)	28.6	31.1	35.2
9/6/2019				27.5		32.35 (D)
9/9/2019	55.7		15.2		29.6	
9/10/2019		66.7				
3/4/2020	60.6				34	
3/5/2020		71.4		32		38.9
3/6/2020			23.5			
9/4/2020						40.2
9/9/2020	57.1	63.2	15.3	28.5	30.5	
2/26/2021			25.2	31.9	33.3	
3/9/2021	76.4					35.8
3/10/2021		67.1				
7/29/2021			22	30.5		
7/30/2021	65.5	64.4				
8/2/2021						34.7
8/5/2021					33	
1/27/2022				29.3	33.2	36.2
1/28/2022	68.5	64.7	19.1			

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					34.6	38.7
8/10/2022			18.9	33.6		
8/11/2022	71.6	70.8				
2/9/2023			26.2	31.2	33.7	
2/10/2023	84.6	69.6				38.4

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				32		
3/7/2016		32				
3/8/2016	63				34	
3/9/2016			55			
5/4/2016					36	
5/5/2016		32.2		34.6		
5/6/2016			62.4			
5/9/2016	50.8					
7/12/2016				29.6		
7/14/2016		26.8				
7/15/2016	48.2		49.5			
7/18/2016					31.7	
9/9/2016	56.9					
9/12/2016		31.1				
9/13/2016				31.1	32.5	
9/14/2016			54.4			
10/27/2016	57.9	29.2		32.8	30.9	
11/1/2016			52.8			
1/12/2017	60.5					
1/13/2017		30		34	31.2	
1/25/2017			57.2			
3/16/2017					29	
3/20/2017		32		33.4		
3/21/2017	63.7					
3/22/2017			58.1			
5/19/2017				33.2	33.9	
5/23/2017	60	27.5				
5/24/2017			64			
9/19/2017	58.9	30.3		29.5	31.3	
9/21/2017			61.1			
3/13/2018		32.1		30.8	33.3	
3/14/2018	65.6		59.9			
9/7/2018		32.7				
9/10/2018	61.7					
9/11/2018			60.2	29.1	30.9	
3/8/2019				28.8	33.1	
3/11/2019	67.1	33.9				
3/12/2019			61.6			
9/5/2019		31.8		29.6 (D)	34.6	
9/6/2019	57.8		55.9			
3/3/2020	70.2	37.2		33.3	37.6	
3/5/2020			63.7			
9/4/2020					36.6	
9/8/2020	61.9	34.7				
9/9/2020			57.6	31.5		
3/9/2021	64.1	35.7		33.2	36.4	
3/10/2021			62.2			
7/29/2021				32.6		
7/30/2021			58.7			
8/2/2021	59.3	34.1			35.4	
1/27/2022		36.9			34.4	
1/28/2022	60		64.9	34.4		

Time Series

Constituent: Calcium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						53.1
8/9/2022				33.8	37.1	
8/10/2022	67.7	36				
8/11/2022			67			
2/8/2023						51.6
2/9/2023	68.2	37		32.8	35.6	
2/10/2023			68.7			

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						2.9988
3/1/2016	2.4587	3.096	1.2389			
3/2/2016				2.4559		
5/2/2016	2.28	2.92				
5/3/2016			1.22	2.49		
5/4/2016					2.83	1.83
7/6/2016		3.2				
7/7/2016	2.4			2.5	3.1	
7/8/2016			1.2			2.2
9/7/2016	2.3	3.4	1			
9/8/2016				2.2	3	2.2
10/25/2016	2	3.4	1.2	2.5		
10/26/2016					3	2.2
1/5/2017	2.5 (J)	3.3				
1/6/2017			0.97		3.2	2.1
2/9/2017				2		
3/14/2017		2.9	1			
3/15/2017	2.1				2.8	2.3
3/23/2017				2.2		
5/16/2017		2.9	0.9			
5/17/2017	1.8			2.4		1.9
5/18/2017					3	
7/19/2017					4.1	
9/15/2017	2.1	2.7	1.1			2.1
9/19/2017				2.5	3.6	
3/12/2018	2.2	3.2	1.1			
3/13/2018				2.4	3.3	3
9/6/2018	2	2.7	1	2.7		1.9
9/7/2018					3.3	
3/6/2019	2.4		<1.1			
3/7/2019		2.8		2.9		3.6
3/8/2019					3.4	
9/4/2019	2	2.7	0.81 (J)	2.9	2.7	1.3
3/2/2020	2.1	2.4	0.78 (J)	2.5		4.9
3/3/2020					2.6	
9/3/2020	1.9		0.82 (J)	2.9		1.4
9/9/2020					2.6	
9/14/2020		2.9				
2/24/2021	2		0.84 (J)	3.1		3.3
2/25/2021					2.7	
3/26/2021		2.5				
7/27/2021		2.8				4.5
7/28/2021			0.88 (J)	3.3	2.8	
8/6/2021	1.9					
1/25/2022				3.2		1.5
1/26/2022		2.4	0.88 (J)		2.9	
8/5/2022				3.1		1
8/8/2022		2.6	0.64 (J)			
8/9/2022					2.4	
2/8/2023		3.1	1.1	3.5		

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	2.3976	2.556	1.4496	2.815		
3/3/2016					2.6912	8.0925
5/3/2016	2.54	2.59		3.27	2.7	
5/4/2016			1.42			
5/9/2016						2.99
7/8/2016	2.6		1.6			
7/11/2016		2.6		3.2	2.7	4.4
9/7/2016		2.6				
9/8/2016	2.5		1.2			
9/9/2016				3	2.5	5.6
10/26/2016	2.6		1.4	2.9		6.5
10/27/2016		3			3	
1/6/2017		2.5				
1/9/2017	2.5		1.5	2.9	3.1	6.7
3/15/2017			1.1			7.8
3/16/2017	2.4	2.5		2.9	2.7	
5/18/2017			1.3	2.9	3.2	7.1
5/19/2017	2.3	2.3				
9/15/2017			1.2	3.2		8.4
9/18/2017					3	
9/19/2017	2.3	2.4				
3/12/2018				3.6	3.2	
3/13/2018	2.7	2.6	0.93			6.9
9/6/2018			1.1			
9/7/2018				3.8	3.3	6.9
9/11/2018	2.4	2.4				
3/7/2019			<1.2		3.2	6
3/8/2019	2.7			3.4		
3/12/2019		3.3				
9/4/2019						4.8
9/5/2019	2.3	2.4	0.81 (J)	2.9	2.9	
3/3/2020			0.77 (J)	2.7		
3/4/2020	2.2	2.3			2.6	4.5
9/4/2020				3	2.5	4.1
9/8/2020	2.3	2.3	0.8 (J)			
2/25/2021			0.78 (J)	6.7	4.8	4.4
2/26/2021	2.3	2.4				
7/27/2021			1.4			
7/28/2021				6.9	5	5
7/29/2021	2.1	2.3				
1/25/2022			0.81 (J)			
1/26/2022	2.2	2.4		5.8		5.2
1/27/2022					4.5	
8/5/2022			0.96 (J)			5.4
8/8/2022	2	2.2		4.9	4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	1.3707 (D)					
3/4/2016		6.4905				
3/7/2016			2.0446	2.2698	2.3254	
3/8/2016						1.2699
5/5/2016			2.28	2.48		
5/9/2016					2.48	1.39
5/10/2016	1.41	7.1				
7/13/2016	1.7		2.2	2.5		
7/14/2016		6.4			2.5	1.7
9/12/2016				2.5	2.5	1.6
9/13/2016			2			
9/14/2016		6				
9/15/2016	1.9					
10/31/2016			2.3		3	1.9
11/1/2016		7		2.9		
11/2/2016	2.3					
1/11/2017	2	6		2.5	2.5	
1/12/2017			1.9			1.8
3/20/2017	2.2			2.2		
3/21/2017		6.1			2.3	
3/22/2017						2
3/23/2017			2.2			
5/22/2017				2.3	2.4	1.9
5/23/2017	2	6	2			
9/19/2017						1.9
9/20/2017					2.4	
9/21/2017	2.3			2.3		
9/22/2017		6.2				
9/25/2017			2.1			
3/14/2018	2.1	6.1	2.1	2.2	2.2	2
9/7/2018	2.1			2.3		
9/10/2018					2.1	1.6
9/11/2018		6.7	2.3			
3/11/2019	2.4					
3/12/2019		6.9	2.8	3.3	2.8	2.7
9/6/2019				2.3		1.6
9/9/2019	1.1		2		2.3	
9/10/2019		4.5				
3/4/2020	0.79 (J)				2.3	
3/5/2020		4.5		2.2		1.5
3/6/2020			2.2			
9/4/2020						1.5
9/9/2020	1 (J)	4.3	2.1	2.3	2.4	
2/26/2021			2.3	2.4	2.4	
3/9/2021	1.5					1.9
3/10/2021		4.7				
7/29/2021			2.1	2.2		
7/30/2021	1	4.3				
8/2/2021						1.8
8/5/2021					2.6	
1/27/2022				2.3	2.5	1.9
1/28/2022	1.6	4.6	2.1			

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					2.3	1.7
8/10/2022			2.3	2.6		
8/11/2022	1.4	4.7				
2/9/2023			2.5	2.6	2.7	
2/10/2023	1.8	4.7				2

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				2.7291		
3/7/2016		2.6729				
3/8/2016	4.2184				2.5307	
3/9/2016			1.5349			
5/4/2016					2.76	
5/5/2016		2.81		2.54		
5/6/2016			1.63			
5/9/2016	3.08					
7/12/2016				2.6		
7/14/2016		2.8				
7/15/2016	3.8		2			
7/18/2016					2.8	
9/9/2016	3.9					
9/12/2016		2.8				
9/13/2016				2.5	2.7	
9/14/2016			2			
10/27/2016	4.7	3.3		3.1	3.2	
11/1/2016			2.4			
1/12/2017	4.2					
1/13/2017		2.7		2.7	2.6	
1/25/2017			2.1			
3/16/2017					2.6	
3/20/2017		2.8		2.6		
3/21/2017	4.2					
3/22/2017			2.2			
5/19/2017				2.5	2.6	
5/23/2017	4.1	2.6				
5/24/2017			2			
9/19/2017	4.4	2.6		2.3	2.4	
9/21/2017			2.4			
3/13/2018		2.8		<0.25	2.7	
3/14/2018	4.4		2.2			
9/7/2018		2.7				
9/10/2018	3.9					
9/11/2018			2.4	2.3	2.4	
3/8/2019				2.6	2.8	
3/11/2019	4.2	3.2				
3/12/2019			2.4			
9/5/2019		2.7		2.2	2.5	
9/6/2019	3.5		1.4			
3/3/2020	3.9	2.5		2.1	2.4	
3/5/2020			1.3			
9/4/2020					2.5	
9/8/2020	4.1	2.6				
9/9/2020			2	2.5		
3/9/2021	5	2.4		2.1	2.3	
3/10/2021			1.6			
7/29/2021				2.2		
7/30/2021			1.4			
8/2/2021	5.6	2.4			2.3	
1/27/2022		2.5			2.4	
1/28/2022	4.6		1.7	2.2		

Time Series

Constituent: Chloride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						2.7
8/9/2022				2	2.2	
8/10/2022	4.1	2.7				
8/11/2022			2.1			
2/8/2023						3.5
2/9/2023	4.5	2.7		2.5	2.6	
2/10/2023			2			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0028				
9/16/2014			0.0015	0.0026		
10/3/2014	<0.005	<0.005	0.0015	0.0021		
10/20/2014	<0.005	0.0029	0.0011 (J)	0.0023		
11/10/2014	<0.005	0.0017	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005	0.0021		
3/17/2015	<0.005	<0.005	<0.005	0.0022		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.0016		
4/21/2015	0.0011 (J)	0.0018				
4/22/2015			<0.005	0.0013		
5/8/2015					0.036 (o)	<0.005
5/17/2015					0.029 (o)	<0.005
5/25/2015					0.029 (o)	<0.005
6/8/2015					0.015	0.0013
6/18/2015					0.016	<0.005
6/24/2015					0.02	0.0013
6/30/2015					0.02	<0.005
7/6/2015					0.015	<0.005
7/28/2015	<0.005	0.0015	<0.005	0.0014		
8/12/2015					0.0139	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	0.00385 (J)	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005	<0.005
7/6/2016		0.0005 (J)				
7/7/2016	0.0004 (J)			0.002 (J)	0.0005 (J)	
7/8/2016			<0.005			0.0014 (J)
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				0.001 (J)	<0.005	<0.005
10/25/2016	<0.005	<0.005	<0.005	0.0028 (J)		
10/26/2016					<0.005	0.0011 (J)
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005	0.0011 (J)
2/9/2017				0.0012 (J)		
3/14/2017		0.0008 (J)	0.0006 (J)			
3/15/2017	0.0007 (J)				<0.005	0.0014 (J)
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	0.0004 (J)			0.0019 (J)		0.0011 (J)
5/18/2017				<0.005		
7/19/2017				<0.005		
9/15/2017	<0.005	<0.005	<0.005			0.001 (J)
9/19/2017				0.0022 (J)	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0017 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	0.0013 (J)	<0.005	0.00155 (JD)	<0.005	0.00096 (J)
3/2/2020	<0.005	0.00047 (J)	<0.005	0.0014 (J)		0.0011 (J)
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.0013 (J)		0.0011 (J)
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	0.0018 (J)		0.00097 (J)
2/25/2021					<0.005	
3/26/2021		0.0006 (J)				
7/27/2021		<0.005				<0.005
7/28/2021			0.018 (o)	0.0015 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.0014 (J)		0.0012 (J)
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		0.0012 (J)
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	0.0012 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.01	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.01	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	0.0011 (J)			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.01	<0.005	0.0017	<0.005
6/17/2015	<0.005		0.0014	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			0.001 (J)	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.01	<0.005	0.0011 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			0.0011 (J)	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	0.0011 (J)			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.01	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.01			
5/9/2016						<0.005
7/8/2016	0.0007 (J)		0.0014 (J)			
7/11/2016		<0.005		0.0006 (J)	<0.005	0.0005 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		0.0015 (J)			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		0.0016 (J)	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		0.0013 (J)	<0.005	<0.005	<0.005
3/15/2017			0.0019 (J)			<0.005
3/16/2017	0.001 (J)	0.0011 (J)		0.0008 (J)	0.0018 (J)	
5/18/2017			0.0012 (J)	0.001 (J)	<0.005	0.0011 (J)
5/19/2017	0.0006 (J)	0.0007 (J)				
9/15/2017			0.0012 (J)	0.0007 (J)		<0.005
9/18/2017					<0.005	
9/19/2017	0.0006 (J)	0.0006 (J)				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.01			<0.005
9/6/2018			<0.01			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.01		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						0.0014 (J)
9/5/2019	0.00065 (J)	0.00055 (J)	0.0016 (J)	0.00092 (J)	<0.005	
3/3/2020			0.0017 (J)	0.00085 (J)		
3/4/2020	0.00076 (J)	0.0012 (J)			0.00079 (J)	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	0.0012 (J)
9/8/2020	<0.005	<0.005	0.0014 (J)			
2/25/2021			0.0017 (J)	0.00078 (J)	0.00083 (J)	0.001 (J)
2/26/2021	0.0008 (J)	0.00071 (J)				
7/27/2021			0.0016 (J)			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			0.0013 (J)			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			0.0016 (J)			<0.005
8/8/2022	<0.005	<0.005		0.0011 (J)	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0033					
9/17/2014		<0.005	<0.01	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0011 (J)	<0.005	0.0034	0.025 (o)	0.001 (J)	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.01	0.024 (o)	0.0011 (J)	
10/22/2014						<0.005
11/5/2014			0.0042		0.001 (J)	0.001 (J)
11/11/2014	<0.005	0.0014		0.025 (o)		
3/3/2015	<0.005	0.001 (J)	0.0038	0.029 (o)	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	0.0031	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			0.0037	0.008	<0.005	<0.005
4/23/2015	0.001 (J)	<0.005	0.0033	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.0033	<0.005	<0.005	
7/30/2015						0.001 (J)
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.01 (o)	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			0.00385 (J)	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	0.0008 (J)		0.0029 (J)	0.0006 (J)		
7/14/2016		0.0035 (J)			0.0005 (J)	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			0.0029 (J)			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			0.0017 (J)		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	0.0012 (J)	<0.005		<0.005	<0.005	
1/12/2017			0.0025 (J)			0.0011 (J)
3/20/2017	0.0013 (J)			0.0005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.01 (o)			
5/22/2017				0.0005	0.0005 (J)	0.0007 (J)
5/23/2017	0.0007 (J)	0.0021 (J)	0.0029 (J)			
9/19/2017						0.0006 (J)
9/20/2017					0.0008 (J)	
9/21/2017	<0.005			0.0008		
9/22/2017		<0.005				
9/25/2017			0.0018 (J)			
3/14/2018	<0.005	<0.005	0.0021 (J)	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	0.0017 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.01	<0.005	<0.005	<0.005
9/6/2019				0.00053 (J)		0.00071 (JD)
9/9/2019	<0.005		0.001 (J)		0.00056 (J)	
9/10/2019		<0.005				
3/4/2020	0.0014 (J)				0.001 (J)	
3/5/2020		0.00063 (J)		0.0007 (J)		0.00075 (J)
3/6/2020			0.0019 (J)			
9/4/2020						0.00078 (J)
9/9/2020	0.00056 (J)	<0.005	0.001 (J)	<0.005	<0.005	
2/26/2021			0.0014 (J)	0.00069 (J)	0.00067 (J)	
3/9/2021	0.0024 (J)					0.00094 (J)
3/10/2021		<0.005				
7/29/2021			0.0014 (J)	<0.005		
7/30/2021	0.0017 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				0.0015 (J)	<0.005	<0.005
1/28/2022	0.0011 (J)	<0.005	0.0014 (J)			
8/9/2022					<0.005	<0.005
8/10/2022			0.0014 (J)	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			0.0015 (J)	<0.005	<0.005	
2/10/2023	0.0011 (J)	<0.005				<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	0.001 (J)	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	0.0013	<0.005	<0.005			
10/22/2014	0.0016	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0013	<0.005	0.0013			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	0.0012 (J)	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	0.001 (J)	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	<0.005					
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		0.0005 (J)			
7/18/2016					0.0005 (J)	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			0.0023 (J)			
3/16/2017					0.0008 (J)	
3/20/2017		0.0004 (J)		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
5/19/2017				<0.005	0.0006 (J)	
5/23/2017	0.0004 (J)	0.0005 (J)				
5/24/2017			0.0011 (J)			
9/19/2017	0.0006 (J)	<0.005		<0.005	0.0007 (J)	
9/21/2017			0.0014 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	0.00044 (J)	
9/6/2019	0.00078 (J)		<0.005			
3/3/2020	0.00058 (J)	0.00057 (J)		0.00052 (J)	0.00078 (J)	
3/5/2020			0.00086 (J)			
9/4/2020					0.00073 (J)	
9/8/2020	0.0013 (J)	<0.005				
9/9/2020			<0.005	<0.005		
3/9/2021	<0.005	<0.005		<0.005	0.00079 (J)	
3/10/2021			0.00073 (J)			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0023 (J)	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0017 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0039				
9/16/2014			0.00077 (J)	0.0028		
10/3/2014	<0.005	<0.005	0.0013	0.0029		
10/20/2014	<0.005	0.0014	0.001 (J)	0.0022		
11/10/2014	<0.005	<0.005	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005			
3/17/2015	<0.005	<0.005	<0.005	0.0044 (o)		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.002		
4/21/2015	0.00055 (J)	0.0012 (J)				
4/22/2015			<0.005	0.0016		
5/8/2015					<0.005	<0.005
5/17/2015					0.00059 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0012 (J)	<0.005	0.0017		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.00202 (J)			
3/2/2016				<0.01 (o)		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.01 (o)		
5/4/2016					<0.005	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			0.0015 (J)	<0.005	
7/8/2016			0.0004 (J)			<0.005
9/7/2016	<0.005	<0.005	0.0009 (J)			
9/8/2016				0.0018 (J)	<0.005	<0.005
10/25/2016	<0.005	<0.005	0.0022 (J)	0.0019 (J)		
10/26/2016					<0.005	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			0.0011 (J)		<0.005	<0.005
2/9/2017				0.0017 (J)		
3/14/2017		<0.005	0.0009 (J)			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				0.0018 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			0.0016 (J)		<0.005
5/18/2017					<0.005	
7/19/2017					<0.005	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				0.0012 (J)	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0013 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	0.00094 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		0.00087 (J)		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	0.000935 (JD)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	0.0011 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.00091 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	0.0011 (J)		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		0.00096 (J)				<0.005
7/28/2021			<0.005	0.001 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.0011 (J)		<0.005
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				0.00095 (J)		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	0.001 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		0.00057 (J)	<0.0025	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		0.00055 (J)	0.00071 (J)	0.001 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				0.00067 (J)	0.00052 (J)	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	0.001 (J)	0.00087 (J)	<0.005
6/17/2015	<0.005		<0.005	0.00093 (J)	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	0.00059 (J)	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	0.00059 (J)	0.0006 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.00091 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				0.0006 (J)	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00715 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00349 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		0.0007 (J)	0.001 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.0025	0.0006 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.0025		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.0025	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		0.0006 (J)	<0.005	
5/18/2017			<0.005	<0.0025	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.0025		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0034 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.0025	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			0.0044 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.0025	<0.005	
3/3/2020			<0.005	0.0048 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	0.0039 (J)	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				0.006	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		0.0035 (J)		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		0.00084 (J)	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0026					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0015	<0.005	<0.005	0.00063 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.00099 (J)	<0.005	<0.005	0.00058 (J)	<0.005	
10/22/2014						<0.005
11/5/2014			0.0005 (J)		<0.005	<0.005
11/11/2014	0.00097 (J)	<0.005		0.00058 (J)		
3/3/2015	0.00078 (J)	<0.005	<0.005	0.00056 (J)	<0.005	
3/4/2015						<0.005
3/18/2015	0.00081 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0011 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0007 (J)	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.00076 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.00451 (JD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00478 (J)	<0.005				
7/13/2016	0.0003 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0018 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	0.0022 (J)					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	0.001 (J)	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	0.0006 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	0.00058 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0034 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.00069 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.00047 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		
7/30/2021	0.00052 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	0.0006 (J)	
9/18/2014	<0.005	<0.01	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.01	<0.005			
10/22/2014	<0.005	<0.01	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.01	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.01	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.01				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.01	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.01				
7/30/2015	<0.005	<0.01	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.01				
3/8/2016	0.0183 (J)				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.01		<0.005		
5/6/2016			<0.005			
5/9/2016	0.00239 (J)					
7/12/2016				<0.005		
7/14/2016		<0.01				
7/15/2016	0.0008 (J)		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.01				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.01		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.01		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					<0.005	
3/20/2017		<0.01		<0.005		
3/21/2017	0.0005 (J)					
3/22/2017			<0.005			
5/19/2017				<0.005	<0.005	
5/23/2017	<0.005	<0.01				
5/24/2017			<0.005			
9/19/2017	<0.005	0.0012 (J)		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.01		<0.005	<0.005	
3/14/2018	0.00083 (J)		<0.005			
9/7/2018		<0.01				
9/10/2018	0.00071 (J)					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.00056 (J)	<0.01				
3/12/2019			<0.005			
9/5/2019		0.0012 (J)		<0.005	<0.005	
9/6/2019	0.00051 (J)		<0.005			
3/3/2020	<0.005	0.00078 (J)		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					0.0012 (J)	
9/8/2020	<0.005	0.00087 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.0004 (J)	0.00066 (J)		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	0.00048 (J)	0.00045 (J)			<0.005	
1/27/2022		0.0011 (J)			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	0.00078 (J)				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	0.00043 (J)		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0049 (J)				
9/16/2014			0.018	<0.005		
10/3/2014	<0.005	<0.005	0.021	0.00089 (J)		
10/20/2014	<0.005	0.0024 (J)	0.022	0.00087 (J)		
11/10/2014	<0.005	<0.005	0.02	<0.005		
3/2/2015	<0.005	<0.005	0.015	0.004 (J)		
3/17/2015	<0.005	<0.005	0.016	0.0016 (J)		
4/5/2015	<0.005	<0.005	0.016			
4/6/2015				0.00083 (J)		
4/21/2015	0.00095 (J)	0.0017 (J)				
4/22/2015			0.013	0.00085 (J)		
5/8/2015					<0.005	<0.005
5/17/2015					0.0015 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					0.0012 (J)	0.00082 (J)
6/30/2015					0.00096 (J)	<0.005
7/6/2015					0.00091 (J)	<0.005
7/28/2015	<0.005	0.00097 (J)	0.02	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.0103 (J)			
3/2/2016				<0.005		
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	0.0066 (J)	
7/8/2016			0.0152 (J)			<0.005
3/14/2017		0.0003 (J)	0.0085 (J)			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				<0.005		
9/15/2017	<0.005	<0.005	0.0058 (J)			<0.005
9/19/2017				0.0004 (J)	<0.005	
3/12/2018	<0.005	<0.005	0.0053 (J)			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	0.0054 (J)	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.025			
3/7/2019		<0.005		<0.005		<0.005
3/8/2019					<0.005	
9/4/2019	0.00023 (J)	<0.005	0.0082 (J)	<0.005	<0.005	<0.005
3/2/2020	<0.005	0.00043 (J)	0.0068 (J)	0.00019 (J)		0.00024 (J)
3/3/2020					0.00041 (J)	
9/3/2020	<0.005		0.0067 (J)	<0.005		<0.005
9/9/2020					0.0019 (J)	
9/14/2020		<0.005				
2/24/2021	<0.005		0.0083	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			0.014	<0.005	<0.005	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	0.013		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	0.0087			
8/9/2022					<0.005	
2/8/2023		<0.005	0.011	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	0.00093 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0014 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	0.00093 (J)				
7/1/2015			<0.005	<0.005	0.0014 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.0011 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.005	<0.005	
9/15/2017			0.0007 (J)	<0.005		0.002 (J)
9/18/2017					<0.005	
9/19/2017	0.0003 (J)	0.0003 (J)				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						0.00047 (J)
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			0.00025 (J)	<0.005		
3/4/2020	0.00053 (J)	<0.005			<0.005	0.0003 (J)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0042 (J)					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0024 (J)	0.0012 (J)	<0.005	0.00086 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.002 (J)	0.0011 (J)	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	0.0021 (J)	0.0015 (J)		<0.005		
3/3/2015	0.0017 (J)	0.0012 (J)	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	0.0019 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0014 (J)	0.00083 (J)				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0022 (J)	0.0012 (J)	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	0.00098 (J)	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	0.0022 (J)		<0.005	<0.005		
7/14/2016		0.0124 (J)			<0.005	<0.005
3/20/2017	0.002 (J)			<0.005		
3/21/2017		0.0005 (J)			0.0006 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						0.0008 (J)
9/20/2017					0.0003 (J)	
9/21/2017	0.0018 (J)			0.0003 (J)		
9/22/2017		0.0007 (J)				
9/25/2017			<0.005			
3/14/2018	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	0.00082 (J)		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	0.0024 (J)				0.00036 (J)	
3/5/2020		0.00023 (J)		<0.005		<0.005
3/6/2020			0.00023 (J)			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.0025 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0024 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	0.00088 (J)	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	0.0012 (J)	<0.005				<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	0.0016 (J)	<0.005	<0.005			
10/22/2014	0.0018 (J)	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0015 (J)	<0.005	0.001 (J)			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	0.0014 (J)	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	0.0014 (J)	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	0.0011 (J)	<0.005	
4/24/2015	0.0016 (J)	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	0.0009 (J)		<0.005			
7/18/2016					<0.005	
3/16/2017					<0.005	
3/20/2017		0.0012 (J)		0.0003 (J)		
3/21/2017	0.0009 (J)					
3/22/2017			0.0005 (J)			
9/19/2017	0.0006 (J)	<0.005		<0.005	<0.005	
9/21/2017			0.0005 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		0.001 (JD)	<0.005	
9/6/2019	0.01 (J)		0.00037 (J)			
3/3/2020	0.00049 (J)	0.00022 (J)		0.00097 (J)	0.00027 (J)	
3/5/2020			0.0003 (J)			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			<0.005	0.0017 (J)		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				0.00051 (J)		
7/30/2021			<0.005			
8/2/2021	0.00081 (J)	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		0.00068 (J)	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0011 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						0.0375 (J)
3/1/2016	0.0153 (J)	0.0172 (J)	0.0215 (J)			
3/2/2016				0.0121 (J)		
5/2/2016	0.018 (J)	0.018 (J)				
5/3/2016			0.023 (J)	0.013 (J)		
5/4/2016					0.057 (JD)	0.04 (J)
7/6/2016		0.02 (J)				
7/7/2016	<0.1			<0.1	0.09 (JD)	
7/8/2016			0.02 (J)			0.11 (J)
9/7/2016	<0.1	<0.1	<0.1			
9/8/2016				<0.1	0.03 (JD)	<0.1
10/25/2016	<0.1	0.03 (J)	0.04 (J)	0.03 (J)		
10/26/2016					0.15 (JD)	0.04 (J)
1/5/2017	<0.1	0.03 (J)				
1/6/2017			<0.1		0.11 (JD)	0.04 (J)
2/9/2017				<0.1		
3/14/2017		<0.1	<0.1			
3/15/2017	<0.1				0.004 (JD)	<0.1
3/23/2017				<0.1		
5/16/2017		<0.1	<0.1			
5/17/2017	<0.1			<0.1		0.01 (J)
5/18/2017					0.007 (JD)	
7/19/2017					0.12 (JD)	
9/15/2017	<0.1	<0.1	<0.1			<0.1
9/19/2017				<0.1	0.07 (JD)	
3/12/2018	<0.1	<0.1	<0.1			
3/13/2018				<0.1	0.16 (J)	0.084 (J)
9/6/2018	<0.1	<0.1	<0.1	<0.1		<0.1
9/7/2018					<0.1	
3/6/2019	<0.1		<0.1			
3/7/2019		<0.1		<0.1		<0.1
3/8/2019					0.075 (J)	
9/4/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/2/2020	<0.1	<0.1	<0.1	<0.1		<0.1
3/3/2020					<0.1	
9/3/2020	<0.1		<0.1	<0.1		<0.1
9/9/2020					<0.1	
9/14/2020		<0.1				
2/24/2021	<0.1		<0.1	<0.1		<0.1
2/25/2021					<0.1	
3/26/2021		<0.1				
7/27/2021		<0.1				<0.1
7/28/2021			<0.1	<0.1	<0.1	
8/6/2021	<0.1					
1/25/2022				<0.1		<0.1
1/26/2022		<0.1	<0.1		<0.1	
8/5/2022				<0.1		0.065 (J)
8/8/2022		0.062 (J)	0.061 (J)			
8/9/2022					0.072 (J)	
2/8/2023		<0.1	<0.1	<0.1		

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	0.0202 (J)	0.0238 (J)	0.0427 (J)	0.0293 (J)		
3/3/2016					0.0392 (J)	0.1143 (J)
5/3/2016	0.025 (J)	0.027 (J)		0.049 (J)	0.058 (J)	
5/4/2016			0.048 (J)			
5/9/2016						0.0383 (J)
7/8/2016	0.09 (J)		0.12 (J)			
7/11/2016		<0.1		<0.1	<0.1	<0.3
9/7/2016		<0.1				
9/8/2016	<0.1		<0.1			
9/9/2016				0.05 (J)	0.02 (J)	0.1 (J)
10/26/2016	0.04 (J)		0.11 (J)	0.08 (J)		0.2 (J)
10/27/2016		0.1 (J)			0.12 (J)	
1/6/2017		0.02 (J)				
1/9/2017	0.02 (J)		0.04 (J)	0.05 (J)	0.06 (J)	0.26 (J)
3/15/2017			0.009 (J)			0.19 (J)
3/16/2017	<0.1	0.04 (J)		0.07 (J)	0.08 (J)	
5/18/2017			0.02 (J)	<0.1	0.04 (J)	0.19 (J)
5/19/2017	<0.1	0.004 (J)				
9/15/2017			0.03 (J)	<0.1		0.24 (J)
9/18/2017				<0.1		
9/19/2017	<0.1	<0.1				
3/12/2018				<0.1	<0.1	
3/13/2018	<0.1	0.032 (J)	0.054 (J)			0.4
9/6/2018			<0.1			
9/7/2018				<0.1	<0.1	0.14 (J)
9/11/2018	<0.1	<0.1				
3/7/2019			<0.1		<0.1	0.089 (J)
3/8/2019	<0.1			<0.1		
3/12/2019		0.046 (J)				
9/4/2019						0.11 (J)
9/5/2019	<0.1	<0.1	<0.1	<0.1	<0.1	
3/3/2020			<0.1	<0.1		
3/4/2020	<0.1	<0.1			<0.1	0.086 (J)
9/4/2020				<0.1	<0.1	0.086 (J)
9/8/2020	<0.1	<0.1	<0.1			
2/25/2021			<0.1	<0.1	<0.1	0.097 (J)
2/26/2021	<0.1	<0.1				
7/27/2021			<0.1			
7/28/2021				<0.1	<0.1	0.091 (J)
7/29/2021	<0.1	<0.1				
1/25/2022			<0.1			
1/26/2022	<0.1	<0.1		<0.1		0.076 (J)
1/27/2022					<0.1	
8/5/2022			0.073 (J)			0.094 (J)
8/8/2022	0.067 (J)	0.066 (J)		0.078 (J)	0.07 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	0.06259 (JD)					
3/4/2016		2.1421 (O)				
3/7/2016			0.00623 (J)	0.00232 (J)	<0.1	
3/8/2016						0.00425 (J)
5/5/2016			0.045 (J)	0.025 (J)		
5/9/2016					0.0246 (J)	0.0259 (J)
5/10/2016	0.0767 (J)	0.0258 (J)				
7/13/2016	<0.3		<0.1	<0.1		
7/14/2016		<0.1			<0.1	<0.1
9/12/2016				0.02 (J)	0.03 (J)	0.03 (J)
9/13/2016			0.07 (J)			
9/14/2016		<0.1				
9/15/2016	<0.3					
10/31/2016			0.05 (J)		0.05 (J)	0.11 (J)
11/1/2016		0.06 (J)		0.05 (J)		
11/2/2016	0.08 (J)					
1/11/2017	0.19 (J)	0.33		<0.1	<0.1	
1/12/2017			0.06 (J)			0.02 (J)
3/20/2017	0.18 (J)			<0.1		
3/21/2017		0.03 (J)			<0.1	
3/22/2017						0.1 (J)
3/23/2017			0.03 (J)			
5/22/2017				<0.1	<0.1	0.02 (J)
5/23/2017	0.1 (J)	0.004 (J)	0.02 (J)			
9/19/2017						<0.1
9/20/2017					<0.1	
9/21/2017	<0.3			<0.1		
9/22/2017		0.04 (J)				
9/25/2017			0.1 (J)			
3/14/2018	0.17 (J)	<0.1	0.12 (J)	0.12 (J)	0.045 (J)	0.035 (J)
9/7/2018	<0.3			<0.1		
9/10/2018					<0.1	<0.1
9/11/2018		<0.1	<0.1			
3/11/2019	0.23 (J)					
3/12/2019		0.056 (J)	0.05 (J)	0.042 (J)	0.04 (J)	0.048 (J)
9/6/2019				<0.1		<0.1
9/9/2019	<0.3		<0.1		<0.1	
9/10/2019		<0.1				
3/4/2020	0.29 (J)				<0.1	
3/5/2020		<0.1		<0.1		<0.1
3/6/2020			<0.1			
9/4/2020						<0.1
9/9/2020	0.17 (J)	<0.1	<0.1	<0.1	<0.1	
2/26/2021			<0.1	<0.1	<0.1	
3/9/2021	0.25					<0.1
3/10/2021		<0.1				
7/29/2021			<0.1	<0.1		
7/30/2021	0.16	<0.1				
8/2/2021						<0.1
8/5/2021					<0.1	
1/27/2022				<0.1	<0.1	<0.1
1/28/2022	0.17	<0.1	<0.1			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					0.067 (J)	0.072 (J)
8/10/2022			0.06 (J)	<0.1		
8/11/2022	0.12	0.051 (J)				
2/9/2023			0.072 (J)	<0.1	<0.1	
2/10/2023	0.22	0.057 (J)				0.054 (J)

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				<0.1		
3/7/2016		0.00526 (J)				
3/8/2016	0.00287 (J)				0.00246 (J)	
3/9/2016			<0.1			
5/4/2016					0.027 (J)	
5/5/2016		0.049 (J)		0.039 (J)		
5/6/2016			0.056 (J)			
5/9/2016	0.0222 (J)					
7/12/2016				<0.1		
7/14/2016		<0.1				
7/15/2016	<0.1		<0.1			
7/18/2016					<0.1	
9/9/2016	0.03 (J)					
9/12/2016		0.06 (J)				
9/13/2016				0.04 (J)	0.03 (J)	
9/14/2016			0.02 (J)			
10/27/2016	0.1 (J)	0.12 (J)		0.11 (J)	0.1 (J)	
11/1/2016			0.07 (J)			
1/12/2017	0.11 (J)					
1/13/2017		0.04 (J)		<0.1	<0.1	
1/25/2017			0.01 (J)			
3/16/2017					<0.1	
3/20/2017		0.06 (J)		<0.1		
3/21/2017	<0.1					
3/22/2017			0.02 (J)			
5/19/2017				0.01 (J)	<0.1	
5/23/2017	<0.1	0.02 (J)				
5/24/2017			<0.1			
9/19/2017	<0.1	<0.1		<0.1	<0.1	
9/21/2017			0.17 (J)			
3/13/2018		0.046 (J)		0.091 (J)	<0.1	
3/14/2018	<0.1		0.18 (J)			
9/7/2018		<0.1				
9/10/2018	<0.1					
9/11/2018			<0.1	<0.1	<0.1	
3/8/2019				<0.1	<0.1	
3/11/2019	0.51 (o)	<0.1				
3/12/2019			0.06 (J)			
6/18/2019	<0.1					
9/5/2019		<0.1		<0.1	<0.1	
9/6/2019	<0.1		<0.1			
3/3/2020	<0.1	<0.1		<0.1	<0.1	
3/5/2020			<0.1			
9/4/2020					<0.1	
9/8/2020	<0.1	<0.1				
9/9/2020			<0.1	<0.1		
3/9/2021	<0.1	<0.1		<0.1	<0.1	
3/10/2021			<0.1			
7/29/2021				<0.1		
7/30/2021			<0.1			
8/2/2021	<0.1	<0.1			<0.1	
1/27/2022		<0.1			<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/28/2022	<0.1		<0.1	<0.1		
8/8/2022						0.063 (J)
8/9/2022				0.072 (J)	0.068 (J)	
8/10/2022	0.057 (J)	0.055 (J)				
8/11/2022			0.073 (J)			
2/8/2023						<0.1
2/9/2023	0.064 (J)	0.052 (J)		0.053 (J)	<0.1	
2/10/2023			0.078 (J)			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001	0.0069 (Jo)				
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001	<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	0.0047 (J)		
3/17/2015	<0.001	<0.001	<0.001	<0.001		
4/5/2015	<0.001	<0.001	<0.001			
4/6/2015				<0.001		
4/21/2015	0.0025 (J)	<0.001				
4/22/2015			<0.001	<0.001		
5/8/2015					<0.001	<0.001
5/17/2015					<0.001	<0.001
5/25/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					<0.001	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001	<0.001
7/6/2016		0.0004 (J)				
7/7/2016	0.0001 (J)			0.0001 (J)	0.0002 (J)	
7/8/2016			0.0001 (J)			<0.001
9/7/2016	0.0001 (J)	<0.001	0.0001 (J)			
9/8/2016				0.0001 (J)	<0.001	<0.001
10/25/2016	<0.001	0.0001 (J)	<0.001	0.0002 (J)		
10/26/2016					<0.001	<0.001
1/5/2017	0.0001 (J)	0.0002 (J)				
1/6/2017			<0.001		<0.001	<0.001
2/9/2017				<0.001		
3/14/2017		0.0003 (J)	0.0001 (J)			
3/15/2017	0.0002 (J)				<0.001	<0.001
3/23/2017				0.0001 (J)		
5/16/2017		<0.001	<0.001			
5/17/2017	8E-05 (J)			0.0001 (J)		<0.001
5/18/2017					<0.001	
7/19/2017					<0.001	
9/15/2017	0.0003 (J)	8E-05 (J)	<0.001			<0.001
9/19/2017				<0.001	<0.001	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			
3/7/2019		<0.001		<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.001	
9/4/2019	7.6E-05 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/2/2020	5.2E-05 (J)	0.00031 (J)	<0.001	<0.001		<0.001
3/3/2020					5.1E-05 (J)	
9/3/2020	0.00012 (J)		<0.001	<0.001		<0.001
9/9/2020					8.9E-05 (J)	
9/14/2020		0.00065 (J)				
2/24/2021	6.2E-05 (J)		<0.001	<0.001		<0.001
2/25/2021					<0.001	
3/26/2021		0.00095 (J)				
7/27/2021		<0.001				<0.001
7/28/2021			0.13 (o)	<0.001	<0.001	
8/6/2021	<0.001					
1/25/2022				<0.001		<0.001
1/26/2022		<0.001	<0.001		<0.001	
8/5/2022				<0.001		<0.001
8/8/2022		<0.001	<0.001			
8/9/2022					<0.001	
2/8/2023		<0.001	<0.001	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.001				
5/9/2015	<0.001		<0.001	<0.001	<0.001	<0.001
5/17/2015		<0.001				
5/18/2015	<0.001		<0.001	<0.001	<0.001	
5/19/2015						<0.001
5/25/2015	<0.001	<0.001	<0.001			
5/26/2015				<0.001	<0.001	<0.001
6/8/2015	<0.001	<0.001				
6/9/2015			<0.001	<0.001	<0.001	<0.001
6/17/2015	<0.001		<0.001	<0.001	<0.001	<0.001
6/18/2015		<0.001				
6/24/2015	<0.001	<0.001				
6/25/2015			<0.001	<0.001	<0.001	<0.001
6/30/2015	<0.001	<0.001				
7/1/2015			<0.001	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			<0.001	<0.001	<0.001	<0.001
8/12/2015	<0.001	<0.001	<0.001			
8/13/2015				<0.001	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	0.0002 (J)		<0.001			
7/11/2016		<0.001		<0.001	0.0001 (J)	0.0003 (J)
9/7/2016		<0.001				
9/8/2016	0.0002 (J)		<0.001			
9/9/2016				<0.001	<0.001	0.0001 (J)
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			0.0001 (J)	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			<0.001			0.0001 (J)
3/16/2017	0.0001 (J)	5E-05 (J)		7E-05 (J)	0.0001 (J)	
5/18/2017			<0.001	0.0001 (J)	7E-05 (J)	0.0001 (J)
5/19/2017	9E-05 (J)	0.0001 (J)				
9/15/2017			<0.001	<0.001		0.0001 (J)
9/18/2017					<0.001	
9/19/2017	0.0001 (J)	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	8E-05 (J)	8.3E-05 (J)	<0.001	<0.001	<0.001	
3/3/2020			4.8E-05 (J)	4.8E-05 (J)		
3/4/2020	0.00016 (J)	6.6E-05 (J)			<0.001	5E-05 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0001 (J)	<0.001	<0.001
9/8/2020	0.00012 (J)	0.0006 (J)	<0.001			
2/25/2021			<0.001	9E-05 (J)	3.8E-05 (J)	4.5E-05 (J)
2/26/2021	0.00012 (J)	6.4E-05 (J)				
7/27/2021			<0.001			
7/28/2021				<0.001	<0.001	<0.001
7/29/2021	<0.001	<0.001				
1/25/2022			<0.001			
1/26/2022	<0.001	<0.001		<0.001		<0.001
1/27/2022					<0.001	
8/5/2022			<0.001			<0.001
8/8/2022	<0.001	<0.001		<0.001	<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.001					
9/17/2014		<0.001	<0.001	<0.001	<0.001	
9/18/2014						<0.001
10/4/2014	<0.001	<0.001	<0.001	<0.001	<0.001	
10/5/2014						<0.001
10/21/2014	<0.001	<0.001	<0.001	<0.001	<0.001	
10/22/2014						<0.001
11/5/2014			<0.001		<0.001	<0.001
11/11/2014	<0.001	<0.001		<0.001		
3/3/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2015						<0.001
3/18/2015	<0.001	<0.001	<0.001	<0.001		
3/19/2015					<0.001	<0.001
4/6/2015	<0.001	<0.001				
4/7/2015			<0.001	<0.001	<0.001	<0.001
4/23/2015	<0.001	<0.001	<0.001	<0.001		
4/24/2015					<0.001	<0.001
7/29/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	<0.001					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		0.0001 (J)	<0.001		
7/14/2016		0.0006 (J)			9E-05 (J)	<0.001
9/12/2016				0.0002 (J)	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		0.0001 (J)		
11/2/2016	<0.001					
1/11/2017	0.0001 (J)	<0.001		<0.001	<0.001	
1/12/2017			0.0002 (J)			<0.001
3/20/2017	<0.001			7E-05 (J)		
3/21/2017		<0.001			7E-05 (J)	
3/22/2017						<0.001
3/23/2017			0.0002 (J)			
5/22/2017				<0.001	<0.001	<0.001
5/23/2017	8E-05 (J)	<0.001	0.0002 (J)			
9/19/2017						<0.001
9/20/2017					0.0004 (J)	
9/21/2017	9E-05 (J)			0.0003 (J)		
9/22/2017		<0.001				
9/25/2017			8E-05 (J)			
3/14/2018	<0.001	<0.001	<0.001	0.00035 (J)	<0.001	<0.001
9/7/2018	<0.001			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.001					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001
9/9/2019	<0.001		5E-05 (J)		<0.001	
9/10/2019		<0.001				
3/4/2020	<0.001				0.0003 (J)	
3/5/2020		<0.001		0.00032 (J)		<0.001
3/6/2020			0.00013 (J)			
9/4/2020						<0.001
9/9/2020	0.00017 (J)	<0.001	6E-05 (J)	0.00025 (J)	<0.001	
2/26/2021			9.4E-05 (J)	0.00025 (J)	<0.001	
3/9/2021	0.00011 (J)					<0.001
3/10/2021		<0.001				
7/29/2021			<0.001	<0.001		
7/30/2021	<0.001	<0.001				
8/2/2021						<0.001
8/5/2021					<0.001	
1/27/2022				<0.001	<0.001	<0.001
1/28/2022	<0.001	<0.001	<0.001			
8/9/2022					<0.001	<0.001
8/10/2022			<0.001	<0.001		
8/11/2022	<0.001	<0.001				
2/9/2023			<0.001	<0.001	<0.001	
2/10/2023	<0.001	<0.001				<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.001	<0.001	
9/18/2014	<0.001	<0.001	<0.001			
10/4/2014				<0.001	<0.001	
10/5/2014	<0.001	<0.001	<0.001			
10/22/2014	<0.001	<0.001	<0.001			
10/23/2014				<0.001	<0.001	
11/5/2014	<0.001	<0.001	<0.001			
11/10/2014				<0.001	<0.001	
3/4/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/19/2015	<0.001	<0.001				
3/20/2015			<0.001	<0.001	<0.001	
4/8/2015	<0.001	<0.001	<0.001	<0.001		
4/9/2015					<0.001	
4/23/2015			<0.001	<0.001	<0.001	
4/24/2015	<0.001	<0.001				
7/30/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2016				<0.001		
3/7/2016		<0.001				
3/8/2016	<0.001				<0.001	
3/9/2016			<0.001			
5/4/2016					<0.001	
5/5/2016		<0.001		<0.001		
5/6/2016			<0.001			
5/9/2016	<0.001					
7/12/2016				<0.001		
7/14/2016		<0.001				
7/15/2016	<0.001		<0.001			
7/18/2016					0.0001 (J)	
9/9/2016	<0.001					
9/12/2016		<0.001				
9/13/2016				<0.001	<0.001	
9/14/2016			<0.001			
10/27/2016	<0.001	<0.001		<0.001	<0.001	
11/1/2016			<0.001			
1/12/2017	<0.001					
1/13/2017		0.0001 (J)		<0.001	<0.001	
1/25/2017			<0.001			
3/16/2017					0.0003 (J)	
3/20/2017		7E-05 (J)		0.0001 (J)		
3/21/2017	6E-05 (J)					
3/22/2017			<0.001			
5/19/2017				<0.001	0.0001 (J)	
5/23/2017	<0.001	<0.001				
5/24/2017			0.0001 (J)			
9/19/2017	<0.001	0.0001 (J)		0.0002 (J)	<0.001	
9/21/2017			<0.001			
3/13/2018		<0.001		<0.001	<0.001	
3/14/2018	<0.001		<0.001			
9/7/2018		<0.001				
9/10/2018	<0.001					
9/11/2018			<0.001	<0.001	<0.001	
3/8/2019				<0.001	0.00035 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.001	<0.001				
3/12/2019			<0.001			
9/5/2019		<0.001		9.05E-05 (JD)	6E-05 (J)	
9/6/2019	0.0016 (J)		6.8E-05 (J)			
3/3/2020	<0.001	5.9E-05 (J)		5.7E-05 (J)	5.9E-05 (J)	
3/5/2020			5.2E-05 (J)			
9/4/2020					0.00012 (J)	
9/8/2020	6.7E-05 (J)	<0.001				
9/9/2020			<0.001	0.0001 (J)		
3/9/2021	<0.001	<0.001		<0.001	<0.001	
3/10/2021			<0.001			
7/29/2021				<0.001		
7/30/2021			<0.001			
8/2/2021	<0.001	<0.001			<0.001	
1/27/2022		<0.001			<0.001	
1/28/2022	<0.001		<0.001	<0.001		
8/8/2022						<0.001
8/9/2022				<0.001	<0.001	
8/10/2022	<0.001	<0.001				
8/11/2022			<0.001			
2/8/2023						<0.001
2/9/2023	<0.001	<0.001		<0.001	<0.001	
2/10/2023			<0.001			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.0002	0.000172 (J)				
9/16/2014			4.23E-05 (J)	2.75E-05 (J)		
10/3/2014	<0.0002	<0.0002	<0.0002	<0.0002		
10/20/2014	<0.0002	<0.0002	3.87E-05 (J)	4.07E-05 (J)		
11/10/2014	5.8E-05 (J)	3.84E-05 (J)	3.34E-05 (J)	6.86E-05 (J)		
3/2/2015	2.04E-05 (J)	<0.0002	<0.0002	3.07E-05 (J)		
3/17/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/5/2015	<0.0002	<0.0002	<0.0002			
4/6/2015				<0.0002		
4/21/2015	<0.0002	2.39E-05 (J)				
4/22/2015			<0.0002	<0.0002		
5/8/2015					<0.0002	<0.0002
5/17/2015					0.000101 (J)	<0.0002
5/25/2015					4.88E-05 (J)	<0.0002
6/8/2015					<0.0002	<0.0002
6/18/2015					4.1E-05 (J)	<0.0002
6/24/2015					8.41E-05 (J)	<0.0002
6/30/2015					<0.0002	<0.0002
7/6/2015					<0.0002	<0.0002
7/28/2015	2.13E-05 (J)	5.2E-05 (J)	<0.0002	<0.0002		
8/12/2015					4.91E-05 (J)	<0.0002
2/29/2016						<0.0002
3/1/2016	<0.0002	<0.0002	<0.0002			
3/2/2016				<0.0002		
5/2/2016	<0.0002	<0.0002				
5/3/2016			<0.0002	<0.0002		
5/4/2016					<0.0002	<0.0002
7/6/2016		<0.0002				
7/7/2016	<0.0002			<0.0002	<0.0002	
7/8/2016			<0.0002			<0.0002
9/7/2016	<0.0002	<0.0002	<0.0002			
9/8/2016				<0.0002	<0.0002	<0.0002
10/25/2016	<0.0002	<0.0002	<0.0002	<0.0002		
10/26/2016					<0.0002	<0.0002
1/5/2017	<0.0002	<0.0002				
1/6/2017			<0.0002		<0.0002	<0.0002
2/9/2017				<0.0002		
3/14/2017		<0.0002	<0.0002			
3/15/2017	<0.0002				<0.0002	<0.0002
3/23/2017				<0.0002		
5/16/2017		<0.0002	<0.0002			
5/17/2017	<0.0002			<0.0002		<0.0002
5/18/2017					<0.0002	
7/19/2017					<0.0002	
9/15/2017	<0.0002	<0.0002	<0.0002			<0.0002
9/19/2017				<0.0002	<0.0002	
3/12/2018	<0.0002	<0.0002	<0.0002			
3/13/2018				<0.0002	<0.0002	<0.0002
9/6/2018	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
9/7/2018					<0.0002	
3/6/2019	<0.0002		<0.0002			
3/7/2019		<0.0002		<0.0002		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0002	
9/4/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/2/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
3/3/2020					<0.0002	
9/3/2020	<0.0002		<0.0002	<0.0002		<0.0002
9/9/2020					<0.0002	
9/14/2020		<0.0002				
2/24/2021	<0.0002		9.1E-05 (J)	0.00013 (J)		<0.0002
2/25/2021					<0.0002	
3/26/2021		<0.0002				
7/27/2021		<0.0002				<0.0002
7/28/2021			<0.0002	<0.0002	<0.0002	
8/6/2021	0.00021					
1/25/2022				<0.0002		<0.0002
1/26/2022		<0.0002	<0.0002		<0.0002	
8/5/2022				<0.0002		<0.0002
8/8/2022		<0.0002	<0.0002			
8/9/2022					<0.0002	
2/8/2023		<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0002				
5/9/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
5/17/2015		<0.0002				
5/18/2015	<0.0002		<0.0002	<0.0002	<0.0002	
5/19/2015						<0.0002
5/25/2015	<0.0002	<0.0002	<0.0002			
5/26/2015				<0.0002	<0.0002	<0.0002
6/8/2015	<0.0002	<0.0002				
6/9/2015			<0.0002	<0.0002	<0.0002	<0.0002
6/17/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/18/2015		<0.0002				
6/24/2015	<0.0002	<0.0002				
6/25/2015			<0.0002	<0.0002	<0.0002	<0.0002
6/30/2015	<0.0002	<0.0002				
7/1/2015			<0.0002	<0.0002	<0.0002	<0.0002
7/6/2015	<0.0002	<0.0002				
7/7/2015			<0.0002	<0.0002	<0.0002	<0.0002
8/12/2015	<0.0002	<0.0002	<0.0002			
8/13/2015				<0.0002	<0.0002	<0.0002
3/2/2016	<0.0002	<0.0002	<0.0002	<0.0002		
3/3/2016					<0.0002	<0.0002
5/3/2016	<0.0002	<0.0002		<0.0002	<0.0002	
5/4/2016			<0.0002			
5/9/2016						<0.0002
7/8/2016	<0.0002		<0.0002			
7/11/2016		<0.0002		<0.0002	<0.0002	<0.0002
9/7/2016		<0.0002				
9/8/2016	<0.0002		<0.0002			
9/9/2016				<0.0002	<0.0002	<0.0002
10/26/2016	<0.0002		<0.0002	<0.0002		<0.0002
10/27/2016		<0.0002			<0.0002	
1/6/2017		<0.0002				
1/9/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/15/2017			<0.0002			<0.0002
3/16/2017	<0.0002	<0.0002		<0.0002	<0.0002	
5/18/2017			<0.0002	<0.0002	<0.0002	<0.0002
5/19/2017	<0.0002	<0.0002				
9/15/2017			<0.0002	<0.0002		<0.0002
9/18/2017					<0.0002	
9/19/2017	<0.0002	<0.0002				
3/12/2018				<0.0002	<0.0002	
3/13/2018	<0.0002	<0.0002	<0.0002			<0.0002
9/6/2018			<0.0002			
9/7/2018				<0.0002	<0.0002	<0.0002
9/11/2018	<0.0002	<0.0002				
3/7/2019			<0.0002		<0.0002	<0.0002
3/8/2019	<0.0002			<0.0002		
3/12/2019		<0.0002				
9/4/2019						<0.0002
9/5/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/3/2020			<0.0002	<0.0002		
3/4/2020	<0.0002	<0.0002			<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0002	<0.0002	<0.0002
9/8/2020	<0.0002	<0.0002	<0.0002			
2/25/2021			<0.0002	<0.0002	<0.0002	<0.0002
2/26/2021	<0.0002	<0.0002				
7/27/2021			<0.0002			
7/28/2021				<0.0002	<0.0002	<0.0002
7/29/2021	<0.0002	<0.0002				
1/25/2022			<0.0002			
1/26/2022	<0.0002	<0.0002		<0.0002		<0.0002
1/27/2022					<0.0002	
8/5/2022			<0.0002			<0.0002
8/8/2022	<0.0002	<0.0002		<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	2.69E-05 (J)					
9/17/2014		2.97E-05 (J)	4.24E-05 (J)	3.5E-05 (J)	4.15E-05 (J)	
9/18/2014						5.34E-05 (J)
10/4/2014	<0.0002	<0.0002	2.5E-05 (J)	<0.0002	<0.0002	
10/5/2014						<0.0002
10/21/2014	3.18E-05 (J)	5.02E-05 (J)	6.4E-05 (J)	5.35E-05 (J)	5.89E-05 (J)	
10/22/2014						4.88E-05 (J)
11/5/2014			7.02E-05 (J)		7.28E-05 (J)	2.85E-05 (J)
11/11/2014	<0.0002	3.66E-05 (J)		4.64E-05 (J)		
3/3/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2015						<0.0002
3/18/2015	<0.0002	<0.0002	<0.0002	<0.0002		
3/19/2015					<0.0002	<0.0002
4/6/2015	<0.0002	<0.0002				
4/7/2015			<0.0002	<0.0002	<0.0002	<0.0002
4/23/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/24/2015					<0.0002	<0.0002
7/29/2015	<0.0002	<0.0002	3.14E-05 (J)	<0.0002	<0.0002	
7/30/2015						<0.0002
3/3/2016	<0.0002					
3/4/2016		<0.0002				
3/7/2016			<0.0002	<0.0002	<0.0002	
3/8/2016						<0.0002
5/5/2016			<0.0002	<0.0002		
5/9/2016					<0.0002	<0.0002
5/10/2016	<0.0002	<0.0002				
7/13/2016	<0.0002		<0.0002	<0.0002		
7/14/2016		<0.0002			<0.0002	<0.0002
9/12/2016				<0.0002	<0.0002	<0.0002
9/13/2016			<0.0002			
9/14/2016		<0.0002				
9/15/2016	<0.0002					
10/31/2016			<0.0002		<0.0002	<0.0002
11/1/2016		<0.0002		<0.0002		
11/2/2016	<0.0002					
1/11/2017	<0.0002	<0.0002		<0.0002	<0.0002	
1/12/2017			<0.0002			<0.0002
3/20/2017	<0.0002			<0.0002		
3/21/2017		<0.0002			<0.0002	
3/22/2017						<0.0002
3/23/2017			<0.0002			
5/22/2017				<0.0002	<0.0002	<0.0002
5/23/2017	<0.0002	<0.0002	<0.0002			
9/19/2017						<0.0002
9/20/2017					<0.0002	
9/21/2017	<0.0002			<0.0002		
9/22/2017		<0.0002				
9/25/2017			<0.0002			
3/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/7/2018	<0.0002			<0.0002		
9/10/2018					<0.0002	<0.0002
9/11/2018		<0.0002	<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0002					
3/12/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/6/2019				<0.0002		<0.0002
9/9/2019	<0.0002		<0.0002		<0.0002	
9/10/2019		<0.0002				
3/4/2020	<0.0002				<0.0002	
3/5/2020		<0.0002		<0.0002		<0.0002
3/6/2020			<0.0002			
9/4/2020						<0.0002
9/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/26/2021			<0.0002	<0.0002	<0.0002	
3/9/2021	<0.0002					<0.0002
3/10/2021		<0.0002				
7/29/2021			<0.0002	<0.0002		
7/30/2021	<0.0002	<0.0002				
8/2/2021						<0.0002
8/5/2021					9.4E-05 (J)	
1/27/2022				<0.0002	<0.0002	<0.0002
1/28/2022	<0.0002	<0.0002	<0.0002			
8/9/2022					<0.0002	<0.0002
8/10/2022			<0.0002	<0.0002		
8/11/2022	<0.0002	<0.0002				
2/9/2023			<0.0002	<0.0002	<0.0002	
2/10/2023	<0.0002	<0.0002				<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				2.81E-05 (J)	3.13E-05 (J)	
9/18/2014	<0.0002	2.54E-05 (J)	2.82E-05 (J)			
10/4/2014				<0.0002	<0.0002	
10/5/2014	<0.0002	<0.0002	<0.0002			
10/22/2014	2.57E-05 (J)	2.83E-05 (J)	<0.0002			
10/23/2014				<0.0002	4.6E-05 (J)	
11/5/2014	<0.0002	0.0002	4.83E-05 (J)			
11/10/2014				5.15E-05 (J)	2.5E-05 (J)	
3/4/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/19/2015	<0.0002	<0.0002				
3/20/2015			<0.0002	<0.0002	<0.0002	
4/8/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/9/2015					<0.0002	
4/23/2015			<0.0002	<0.0002	<0.0002	
4/24/2015	<0.0002	<0.0002				
7/30/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2016				<0.0002		
3/7/2016		<0.0002				
3/8/2016	<0.0002				<0.0002	
3/9/2016			<0.0002			
5/4/2016					<0.0002	
5/5/2016		<0.0002		<0.0002		
5/6/2016			<0.0002			
5/9/2016	<0.0002					
7/12/2016				<0.0002		
7/14/2016		<0.0002				
7/15/2016	<0.0002		<0.0002			
7/18/2016					<0.0002	
9/9/2016	<0.0002					
9/12/2016		<0.0002				
9/13/2016				<0.0002	<0.0002	
9/14/2016			<0.0002			
10/27/2016	<0.0002	<0.0002		<0.0002	<0.0002	
11/1/2016			<0.0002			
1/12/2017	<0.0002					
1/13/2017		<0.0002		<0.0002	<0.0002	
1/25/2017			<0.0002			
3/16/2017					<0.0002	
3/20/2017		<0.0002		<0.0002		
3/21/2017	<0.0002					
3/22/2017			<0.0002			
5/19/2017				<0.0002	<0.0002	
5/23/2017	<0.0002	<0.0002				
5/24/2017			<0.0002			
9/19/2017	<0.0002	<0.0002		<0.0002	<0.0002	
9/21/2017			<0.0002			
3/13/2018		<0.0002		<0.0002	<0.0002	
3/14/2018	<0.0002		<0.0002			
9/7/2018		<0.0002				
9/10/2018	<0.0002					
9/11/2018			<0.0002	<0.0002	<0.0002	
3/8/2019				<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.0002	<0.0002				
3/12/2019			<0.0002			
9/5/2019		<0.0002		<0.0002	<0.0002	
9/6/2019	<0.0002		<0.0002			
3/3/2020	<0.0002	<0.0002		<0.0002	<0.0002	
3/5/2020			<0.0002			
9/4/2020					<0.0002	
9/8/2020	<0.0002	<0.0002				
9/9/2020			<0.0002	<0.0002		
3/9/2021	<0.0002	<0.0002		<0.0002	<0.0002	
3/10/2021			<0.0002			
7/29/2021				<0.0002		
7/30/2021			<0.0002			
8/2/2021	<0.0002	<0.0002			<0.0002	
1/27/2022		<0.0002			<0.0002	
1/28/2022	<0.0002		<0.0002	<0.0002		
8/8/2022						<0.0002
8/9/2022				<0.0002	<0.0002	
8/10/2022	<0.0002	<0.0002				
8/11/2022			<0.0002			
2/8/2023						<0.0002
2/9/2023	<0.0002	<0.0002		<0.0002	<0.0002	
2/10/2023			<0.0002			

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.01				
9/16/2014			0.018	0.0028		
10/3/2014	<0.005	<0.005	0.022	0.0036		
10/20/2014	<0.005	0.0043	0.022	0.0025		
11/10/2014	<0.005	<0.005	0.018	0.0026		
3/2/2015	<0.005	<0.005	0.016	0.017		
3/17/2015	<0.005	<0.005	0.015	0.0057		
4/5/2015	<0.005	0.0016 (J)	0.016			
4/6/2015				0.0022 (J)		
4/21/2015	0.0014 (J)	0.0033				
4/22/2015			0.016	0.0015 (J)		
5/8/2015					<0.005	<0.005
5/17/2015					0.0016 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0032	0.018	0.0015 (J)		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.0138			
3/2/2016				<0.01		
7/6/2016		0.0007 (J)				
7/7/2016	<0.005			0.0014 (J)	0.0008 (J)	
7/8/2016			0.014			<0.005
3/14/2017		0.0007 (J)	0.0087 (J)			
3/15/2017	0.0142				<0.005	0.0005 (J)
3/23/2017				<0.01		
9/15/2017	0.0005 (J)	<0.005	0.0053 (J)			<0.005
9/19/2017				0.0011 (J)	<0.005	
3/12/2018	<0.005	<0.005	0.0054 (J)			
3/13/2018				<0.01	<0.005	<0.005
9/6/2018	<0.005	<0.005	0.0069 (J)	<0.01		<0.005
9/7/2018				<0.005		
3/6/2019	<0.005		<0.01			
3/7/2019		<0.005		<0.01		<0.005
3/8/2019					<0.005	
9/4/2019	0.00041 (J)	<0.005	0.0059 (J)	0.000825 (JD)	<0.005	<0.005
3/2/2020	0.00071 (J)	0.00051 (J)	0.0079 (J)	0.001 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		0.0096 (J)	0.00089 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		0.01	0.00091 (J)		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		0.0017 (J)				<0.005
7/28/2021			0.019	0.00096 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.00093 (J)		<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	0.016		<0.005	
8/5/2022				0.00085 (J)		<0.005
8/8/2022		<0.005	0.0097			
8/9/2022					<0.005	
2/8/2023		<0.005	0.012	0.00091 (J)		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	0.0018 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			0.0015 (J)	<0.005	0.0022 (J)	<0.005
6/17/2015	<0.005		0.0013 (J)	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	0.0034	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0016 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.0007 (J)	0.0006 (J)
3/15/2017			0.0005 (J)			<0.005
3/16/2017	0.0005 (J)	<0.005		0.0008 (J)	0.0015 (J)	
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	0.00061 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			0.00082 (J)
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.03					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.029	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	0.026	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			0.0016 (J)		<0.005	<0.005
11/11/2014	0.023	<0.005		<0.005		
3/3/2015	0.02	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	0.019	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.02	<0.005				
4/7/2015			0.0014 (J)	<0.005	<0.005	<0.005
4/23/2015	0.019	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	0.018	<0.005	0.0015 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.0111					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	0.0133		0.0007 (J)	<0.005		
7/14/2016		<0.005			<0.005	<0.005
3/20/2017	0.0111			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						<0.005
9/20/2017					0.0006 (J)	
9/21/2017	0.0092 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			0.0015 (J)			
3/14/2018	0.0094 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0086 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.01					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	0.0066 (J)		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	0.0032 (J)				0.00071 (J)	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			0.0005 (J)			
9/4/2020						<0.005
9/9/2020	0.0067 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.0053					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0073	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	0.0063	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	0.0077	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	0.005	<0.005				<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.01	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.01	<0.005	<0.005			
10/22/2014	0.0013 (J)	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0013 (J)	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.01	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.01	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	0.0014 (J)	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	0.0014 (J)	<0.005				
7/30/2015	<0.01	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	0.0261 (o)				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	0.0021 (J)		<0.005			
7/18/2016					<0.005	
3/16/2017					0.0012 (J)	
3/20/2017		<0.005		0.0003 (J)		
3/21/2017	<0.01					
3/22/2017			<0.005			
9/19/2017	0.0012 (J)	0.0011 (J)		<0.005	<0.005	
9/21/2017			0.0012 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	0.0014 (J)		<0.005			
9/7/2018		<0.005				
9/10/2018	0.002 (J)					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.01	<0.005				
3/12/2019			<0.005			
9/5/2019		0.0011 (J)		<0.005	<0.005	
9/6/2019	0.0028 (J)		0.00086 (J)			
3/3/2020	0.00099 (J)	0.001 (J)		<0.005	<0.005	
3/5/2020			0.00075 (J)			
9/4/2020					<0.005	
9/8/2020	0.0014 (J)	0.00083 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.00075 (J)	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	0.0015 (J)	<0.005			<0.005	
1/27/2022		0.00076 (J)			<0.005	
1/28/2022	0.0014 (J)		<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0014 (J)	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0011 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						7.52
3/1/2016	7.07	7.45	5.94			
3/2/2016				5.65		
5/2/2016	7	7.31				
5/3/2016			5.85	5.72		
5/4/2016					7.52	7.59
7/6/2016		7.4				
7/7/2016	7.15			5.68	7.42	
7/8/2016			5.74			7.61
9/7/2016	7.2	7.32	5.79			
9/8/2016				5.42	7.4	7.52
10/25/2016	7.12	7.4	5.88	5.41		
10/26/2016					7.59	7.67
1/5/2017	7.05	7.29				
1/6/2017			5.82		7.51	7.49
2/9/2017				4.99		
3/14/2017		7.48	5.8			
3/15/2017	6.84				7.51	7.55
3/23/2017				4.94		
5/16/2017		7.38	5.02			
5/17/2017	6.78			5.18		7.55
5/18/2017					7.64	
7/18/2017					7.58	
7/19/2017					7.58	
9/15/2017	6.7	7.35	5.68			7.48
9/19/2017				5.53	7.37	
3/12/2018	6.6	7.26	5.72			
3/13/2018				5.57	7.62	7.34
9/6/2018	6.83	7.21	5.59	5.69		7.5
9/7/2018					7.36	
3/6/2019	6.64		5.38			
3/7/2019		7.48		5.54		7.29
3/8/2019					7.55	
9/4/2019	6.85	7.14	5.09	5.91	7.39	7.43
3/2/2020	6.58	7.24	5.52	5.49		7.44
3/3/2020					7.73	
9/3/2020	6.81		5.17	5.32		7.67
9/9/2020					7.59	
9/14/2020		7.1				
2/24/2021	6.69		5.49	5.23		7.53
2/25/2021					7.43	
3/26/2021		7.11				
7/27/2021		7.65				7.4
7/28/2021			5.29	5.21	7.29	
8/6/2021	6.9					
1/25/2022				5.14		7.44
1/26/2022		7.01	4.69		7.78	
8/5/2022				4.98		7.35
8/8/2022		7.11	5.16			
8/9/2022					7.25	
2/8/2023		6.88	5.3	5.13		

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	7.77	7.76	7.51	7.01		
3/3/2016					7.44	7.95
5/3/2016	7.76	7.8		7.26	7.64	
5/4/2016			7.68			
5/9/2016						7.66
7/8/2016	7.82		7.7			
7/11/2016		7.82		7.45	7.72	7.86
9/7/2016		7.83				
9/8/2016	7.73		7.71			
9/9/2016				7.55	7.66	7.89
10/26/2016	7.71		7.6	7.55		7.98
10/27/2016		7.84			7.75	
1/6/2017		7.63				
1/9/2017	7.52		7.81	7.62	7.83	7.9
3/15/2017			7.74			8
3/16/2017	7.84	7.8		7.4	7.78	
5/18/2017			7.39	7.24	7.64	8.21
5/19/2017	7.72	7.81				
9/15/2017			7.61	7.38		8.34
9/18/2017					7.66	
9/19/2017	7.68	7.84				
1/9/2018						8.1 (Y)
3/12/2018				7	7.11	
3/13/2018	7.74	7.8	7.39			8.03
9/6/2018			7.66			
9/7/2018				7.45	7.6	8.14
9/11/2018	7.64	7.76				
3/7/2019			7.55		7.22	8.05
3/8/2019	7.73			7.14		
3/12/2019		7.7				
9/4/2019						7.79
9/5/2019	7.57	7.68	7.54	7.26	7.53	
3/3/2020			7.59	6.95		
3/4/2020	7.63	7.72			7.27	7.95
9/4/2020				7.24	7.64	7.82
9/8/2020	7.67	7.68	7.56			
2/25/2021			7.55	7.05	7.27	7.85
2/26/2021	7.7	7.72				
7/27/2021			7.41			
7/28/2021				6.96	7.17	7.79
7/29/2021	7.55	7.57				
1/25/2022			7.38			
1/26/2022	7.72	7.78		7.21		7.45
1/27/2022					7.27	
8/5/2022			7.32			7.6
8/8/2022	7.66	7.61		7.1	7.26	

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.22					
3/4/2016		7.24				
3/7/2016			6.81	7.7	7.68	
3/8/2016						7.62
5/5/2016			6	7.85		
5/9/2016					7.66	7.72
5/10/2016	7.08	7.18				
7/13/2016	7.05		6.67	7.85		
7/14/2016		7.21			7.74	7.69
9/12/2016				7.87	7.76	7.52
9/13/2016		7.17	6.67			
9/15/2016	7.51					
10/31/2016			6.15		7.74	7.51
11/1/2016		7.18		7.78		
11/2/2016	7.1					
1/11/2017	7.16	7.11		7.75	7.69	
1/12/2017			6.79			7.46
3/20/2017	7.19			7.86		
3/21/2017		7.24			7.54	
3/22/2017						7.77
3/23/2017			7.04			
5/22/2017				7.51	7.79	7.5
5/23/2017	6.97	7.21	7.02			
9/19/2017						7.49
9/20/2017					7.77	
9/21/2017	7.28			7.84		
9/22/2017		7.2				
9/25/2017			6.81			
12/29/2017						7.75 (Y)
3/14/2018	7.11	7.16	7.06	7.51	7.74	7.62
9/7/2018	7.08			7.69		
9/10/2018					7.69	7.84
9/11/2018		7.13	6.97			
3/11/2019	7.21					
3/12/2019		7.28	7.06	7.76	7.6	7.63
9/6/2019				7.65		7.75
9/9/2019	7.13		6.71		7.73	
9/10/2019		7.17				
3/4/2020	7.37				7.65	
3/5/2020		7.3		7.77		7.6
3/6/2020			7.01			
9/4/2020						7.57
9/9/2020	7.08	7.24	6.63	7.81	7.67	
2/26/2021			7.07	7.81	7.73	
3/9/2021	7.34					7.81
3/10/2021		7.27				
7/29/2021			6.77	7.74		
7/30/2021	7.04	7.17				
8/2/2021						7.67
8/5/2021					7.66	
1/27/2022				7.76	7.74	7.73
1/28/2022	7.31	7.34	6.6			

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					7.77	7.81
8/10/2022			6.53	7.59		
8/11/2022	7.05	7.27				
2/9/2023			6.68	7.46	7.38	
2/10/2023	7.02	7.12				7.34

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				6.95		
3/7/2016		7.61				
3/8/2016	6.86				7.4	
3/9/2016			7.54			
5/4/2016					7.6	
5/5/2016		7.79		7.58		
5/6/2016			7.5			
5/9/2016	7.08					
7/12/2016				7.58		
7/14/2016		7.76				
7/15/2016	7.2		7.33			
7/18/2016					7.61	
9/9/2016	7.17					
9/12/2016		7.6				
9/13/2016				7.62	7.56	
9/14/2016			7.47			
10/27/2016	7.14	7.73		7.64	7.69	
11/1/2016			7.31			
1/12/2017	7.06					
1/13/2017		7.68		7.28	7.62	
1/25/2017			7.28			
3/16/2017						7.43
3/20/2017		7.6		7.23		
3/21/2017	7.14					
3/22/2017			7.43			
5/19/2017				7.15	7.32	
5/23/2017	6.9	7.81				
5/24/2017			7.07			
9/19/2017	7.18	7.46		7.54	7.62	
9/21/2017			7.24			
1/9/2018		7.39 (Y)				
3/13/2018		7.49		7.02	7.43	
3/14/2018	6.99		7.4			
9/7/2018		7.53				
9/10/2018	6.96					
9/11/2018			7.78	7.4	7.69	
3/8/2019				7.65	7.69	
3/11/2019	6.95	7.51				
3/12/2019			7.42			
9/5/2019		7.09		7.4	7.59	
9/6/2019	7.04		7.32			
3/3/2020	7.1	7.15		7.55	7.56	
3/5/2020			7.24			
9/4/2020					7.62	
9/8/2020	7.07	7.19				
9/9/2020			7.12	7.22		
12/15/2020			7.39			
3/9/2021	6.98	7.35		7.8	8.07	
3/10/2021			7.41			
7/29/2021				7.32		
7/30/2021			7.13			
8/2/2021	7.01	7.1			7.48	

Time Series

Constituent: pH (pH units) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/27/2022		7.28			7.46	
1/28/2022	6.69		7.38	7.68		
8/8/2022						6.79
8/9/2022				7.48	7.6	
8/10/2022	6.98	7.1				
8/11/2022			7.37			
11/3/2022			6.65 (R)			
2/8/2023						6.77
2/9/2023	7.13	7.05		7.44	7.51	
2/10/2023			7.01			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	<0.005				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	<0.005		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					0.00982 (J)	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	0.01	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	0.0046 (J)	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					0.0071 (J)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		0.0099 (J)	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	<0.005			
3/15/2017	<0.005				0.0056 (J)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0064 (J)	
7/19/2017					<0.005	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				<0.005	0.0029 (J)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	0.005 (J)	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					0.01	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.0052 (J)	
9/4/2019	<0.005	<0.005	<0.005	<0.005	0.01	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/3/2020					0.0053 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					0.0059 (J)	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					0.0099	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			<0.005	<0.005	0.0073	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					0.0051	
2/8/2023		<0.005	<0.005	<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.01	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.01	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.01	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.01	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.01	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.01	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.01	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.01	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.01	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00234 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00241 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.01	0.0011 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.01	0.001 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.01		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.01	<0.005	0.0011 (J)
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.01	<0.005	
5/18/2017			<0.005	<0.01	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.01		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0018 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.01	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		0.0016 (J)	<0.005
3/8/2019	<0.005			0.0026 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.01	<0.005	
3/3/2020			<0.005	0.0025 (J)		
3/4/2020	<0.005	<0.005			0.0018 (J)	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.01	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	0.0018 (J)	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				0.0022 (J)	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		0.0025 (J)		<0.005
1/27/2022					0.0016 (J)	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		0.0024 (J)	0.0015 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		<0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	<0.005		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	<0.005			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	<0.005					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		
7/30/2021	<0.005	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	<0.005					
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					<0.005	
3/20/2017		<0.005		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
5/19/2017				<0.005	<0.005	
5/23/2017	<0.005	<0.005				
5/24/2017			<0.005			
9/19/2017	<0.005	<0.005		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	<0.005	
9/6/2019	<0.005		<0.005			
3/3/2020	<0.005	<0.005		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			0.0017 (J)	<0.005		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	<0.005				
9/16/2014			<0.005	0.00051 (J)		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	<0.005		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	<0.005	
7/8/2016			<0.005			<0.005
3/14/2017		<0.005	<0.005			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				<0.005		
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				<0.005	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005 (D)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			<0.005	<0.005	<0.005	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.005	<0.005	
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	<0.005		
3/4/2020	<0.005	<0.005			<0.005	<0.005
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	0.00058 (J)	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	0.0007 (J)		<0.005		
3/3/2015	<0.005	0.00052 (J)	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0013 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	<0.005		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	<0.005			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	<0.005					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	<0.005	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		<0.005			
7/18/2016					<0.005	
3/16/2017					<0.005	
3/20/2017		<0.005		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
9/19/2017	<0.005	<0.005		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	<0.005	
9/6/2019	<0.005		<0.005			
3/3/2020	<0.005	<0.005		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			<0.005	<0.005		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	<0.005		<0.005	<0.005	
2/10/2023			<0.005			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						5.7396
3/1/2016	2.5655	6.8929	0.9427 (J)			
3/2/2016				2.5669		
5/2/2016	1.64	1.6				
5/3/2016			0.87 (J)	1.83		
5/4/2016					16.8	6.87
7/6/2016		1.7				
7/7/2016	1.7			1.8	18	
7/8/2016			0.79 (J)			8.1
9/7/2016	1.8	1.5	0.85 (J)			
9/8/2016				0.97 (J)	18	6.6
10/25/2016	1.4	1.8	0.74 (J)	1.2		
10/26/2016					20	4.7
1/5/2017	1.9 (J)	4.6				
1/6/2017			0.64 (J)		21	4.8
2/9/2017				0.31 (J)		
3/14/2017		2.8	0.77 (J)			
3/15/2017	1.2				17	3.9
3/23/2017				0.54 (J)		
5/16/2017		2.1	0.48 (J)			
5/17/2017	1.2			0.66 (J)		5.2
5/18/2017					19	
7/19/2017					10	
9/15/2017	1	3	0.76 (J)			4.4
9/19/2017				2	22	
3/12/2018	0.77 (J)	8.2	0.42 (J)			
3/13/2018				1.5	27.3	8.5
9/6/2018	0.8 (J)	1.5	0.37 (J)	1.4		7.2
9/7/2018					26.9	
3/6/2019	0.45 (J)		0.46 (J)			
3/7/2019		4.3		1.1		12.7
3/8/2019					23.6	
9/4/2019	0.68 (J)	1.8	<1	0.83 (J)	22.9	4.2
3/2/2020	<1	7.9	<1	0.5 (J)		16.3
3/3/2020					21.5	
9/3/2020	0.65 (J)		<1	0.58 (J)		3.5
9/9/2020					21.8	
9/14/2020		1.3				
2/24/2021	0.51 (J)		<1	0.72 (J)		29.2
2/25/2021					29.5	
3/26/2021		5.4				
7/27/2021		7.4				23.3
7/28/2021			<1	0.81 (J)	26.5	
8/6/2021	0.94 (J)					
1/25/2022				0.58 (J)		8.6
1/26/2022		7.5	<1		22.2	
8/5/2022				<1		4.4
8/8/2022		19.2	<1			
8/9/2022					22.3	
2/8/2023		21.7	0.75 (J)	0.9 (J)		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	1.799	2.0407	7.1892	32.178		
3/3/2016					22.316	132.4615
5/3/2016	1.94	1.86		39.2	20.8	
5/4/2016			7.22			
5/9/2016						34.3
7/8/2016	2		6.7			
7/11/2016		2		16	17	58
9/7/2016		1.9				
9/8/2016	1.9		7			
9/9/2016				9.7	14	66
10/26/2016	2.1		6.4	9.2		76
10/27/2016		2.1			15	
1/6/2017		2				
1/9/2017	1.9		5.9	9.3	17	85
3/15/2017			6.2			100
3/16/2017	2	1.9		6.9	15	
5/18/2017			6.1	7.9	24	87
5/19/2017	2	1.9				
9/15/2017			5.8	17		110
9/18/2017					22	
9/19/2017	2	2.1				
3/12/2018				28.7	22	
3/13/2018	1.9	1.9	4.9			94.8
9/6/2018			3.5			
9/7/2018				27.4	22.4	101
9/11/2018	1.9	1.8				
3/7/2019			2.6		25	88.7
3/8/2019	1.8			31.8		
3/12/2019		2.2				
9/4/2019						67.8
9/5/2019	1.5	1.5	2.4	21.5	22.7	
3/3/2020			1.7	29		
3/4/2020	1.5	1.7			23.4	69.4
9/4/2020				20.4	16.1	54.9
9/8/2020	1.4	1.4	1.8			
2/25/2021			1.7	34.5	23.2	62.6
2/26/2021	1.6	1.6				
7/27/2021			1.8			
7/28/2021				32.8	24.9	58.6
7/29/2021	1.3	1.4				
1/25/2022			1.4			
1/26/2022	1.4	1.6		32.5		47.1
1/27/2022					20.7	
8/5/2022			1.4			42.9
8/8/2022	1.3	1.5		30	23.5	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.1809					
3/4/2016		9.3417				
3/7/2016			1.7468	2.3258	3.3556	
3/8/2016						0.0196 (J)
5/5/2016			2.27	2.42		
5/9/2016					3.62	1.15
5/10/2016	4.6	6.65				
7/13/2016	2.3		2.1	2.5		
7/14/2016		5.7			3.5	1.3
9/12/2016				2.3	3.3	1.3
9/13/2016			2.1			
9/14/2016		5.8				
9/15/2016	5.6					
10/31/2016			1.5		3.5	1.4
11/1/2016		6.6				
11/2/2016	7.5					
1/11/2017	8.3	6.5		2.5	3.2	
1/12/2017			1.9			1.4
3/20/2017	10			2.4		
3/21/2017		6.4			3.4	
3/22/2017						1.7
3/23/2017			2.1			
5/22/2017				2.5	3.3	1.5
5/23/2017	9.5	6.3	2			
9/19/2017						1.3
9/20/2017					3.4	
9/21/2017	8.9			2.4		
9/22/2017		6.9				
9/25/2017			2.1			
3/14/2018	8.8	7	2.2	2.2	3.4	1.6
9/7/2018	6.5			2.2		
9/10/2018					3.4	1.7
9/11/2018		5.8	2			
3/11/2019	11					
3/12/2019		25.9 (O)	2.3	2.6	4.3	1.5
9/6/2019				2		1.45 (D)
9/9/2019	3.8		1.8		3.7	
9/10/2019		6				
3/4/2020	8.4				3.6	
3/5/2020		7.7		1.9		1.1
3/6/2020			2			
9/4/2020						1.1
9/9/2020	2.8	5.6	1.4	1.9	3.4	
2/26/2021			2.1	2.1	3.4	
3/9/2021	12.9					1.5
3/10/2021		7.3				
7/29/2021			1.7	1.9		
7/30/2021	5.4	5.9				
8/2/2021						1.5
8/5/2021					4	
1/27/2022				2.1	3.9	1.7
1/28/2022	11.9	7.6	1.6			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					3.7	1.6
8/10/2022			1.7	2.3		
8/11/2022	5	6.6				
2/9/2023			2.3	2.4	4	
2/10/2023	12.1	7.6				1.8

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				1.0816		
3/7/2016		2.1008				
3/8/2016	1.3858				1.3157	
3/9/2016			26.4322			
5/4/2016					1.46	
5/5/2016		2.16		11.3		
5/6/2016			17.7			
5/9/2016	2.94					
7/12/2016				8.8		
7/14/2016		2.3				
7/15/2016	3		12			
7/18/2016					1.5	
9/9/2016	3.2					
9/13/2016				5.4	1.5	
9/14/2016			12			
10/27/2016	3.6	2.3		9.9	1.7	
11/1/2016			10			
1/12/2017	3.9					
1/13/2017		2.3		7.8	2	
1/25/2017			8.2			
3/16/2017					1.6	
3/20/2017		2.4		2.3		
3/21/2017	4.8					
3/22/2017			13			
5/19/2017				2.4	1.5	
5/23/2017	5.4	2.4				
5/24/2017			10			
9/19/2017	5.6	2.2		2.3	1.8	
9/21/2017			16			
3/13/2018		2.4		1.4	1.7	
3/14/2018	<1		14			
9/7/2018		1.8				
9/10/2018	4.8					
9/11/2018			14.9	1.7	1.7	
3/8/2019				1.9	1.6	
3/11/2019	3.4	2				
3/12/2019			17.7			
9/5/2019		1.7		1.8	1.6	
9/6/2019	6		9.5			
3/3/2020	11.3	1.7		2	1.6	
3/5/2020			10.8			
9/4/2020					1.6	
9/8/2020	9.6	1.3				
9/9/2020			124	1.9		
12/15/2020			61.2			
3/9/2021	10.5	1.4		1.6	1.6	
3/10/2021			56.8			
7/29/2021				1.8		
7/30/2021			72.6			
8/2/2021	21.5 (o)	1.5			1.7	
1/27/2022		1.3			2	
1/28/2022	13.7		98.4	2.3		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						23.4
8/9/2022				2.1	1.9	
8/10/2022	10.5	1.6				
8/11/2022			143			
11/3/2022			137 (R)			
2/8/2023						24.6
2/9/2023	16.8	2		2.9	2.3	
2/10/2023			86.7			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001					
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001			
10/6/2014				<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	<0.001		
3/17/2015	<0.001	0.0001 (J)	<0.001	<0.001		
4/5/2015	<0.001	7E-05 (J)	<0.001			
4/6/2015				<0.001		
4/21/2015	<0.001	<0.001				
4/22/2015			<0.001	<0.001		
5/13/2015					0.0003 (J)	<0.001
5/20/2015					9E-05 (J)	6E-05 (J)
5/27/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					6E-05 (J)	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001	<0.001
7/6/2016		<0.001				
7/7/2016	9E-05 (J)			<0.001	<0.001	
7/8/2016			<0.001			0.0002 (J)
9/7/2016	<0.001	<0.001	<0.001			
9/8/2016				<0.001	<0.001	<0.001
10/25/2016	<0.001	<0.001	<0.001	<0.001		
10/26/2016					<0.001	<0.001
1/5/2017	<0.001	<0.001				
1/6/2017			<0.001		<0.001	<0.001
2/9/2017				<0.001		
3/14/2017		<0.001	<0.001			
3/15/2017	4E-05 (J)				4E-05 (J)	4E-05 (J)
3/23/2017				<0.001		
5/16/2017		<0.001	<0.001			
5/17/2017	<0.001			<0.001		<0.001
5/18/2017					6E-05 (J)	
7/19/2017					<0.001	
9/15/2017	<0.001	<0.001	<0.001			<0.001
9/19/2017				<0.001	6E-05 (J)	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/7/2019		<0.001		<0.001		<0.001
3/8/2019					<0.001	
9/4/2019	<0.001	<0.001	<0.001	<0.001	0.00014 (J)	<0.001
3/2/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/3/2020					0.00012 (J)	
9/3/2020	<0.001		<0.001	<0.001		<0.001
9/9/2020					<0.001	
9/14/2020		<0.001				
2/24/2021	<0.001		<0.001	<0.001		<0.001
2/25/2021					<0.001	
3/26/2021		<0.001				
7/27/2021		<0.001				<0.001
7/28/2021			<0.001	<0.001	<0.001	
8/6/2021	<0.001					
1/25/2022				<0.001		<0.001
1/26/2022		<0.001	<0.001		<0.001	
8/5/2022				<0.001		<0.001
8/8/2022		<0.001	<0.001			
8/9/2022					<0.001	
2/8/2023		<0.001	<0.001	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/13/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/20/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/27/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
6/8/2015	9E-05 (J)	<0.001				
6/9/2015			0.0001 (J)	<0.001	<0.001	<0.001
6/17/2015	7E-05 (J)		0.0001 (J)	8E-05 (J)	<0.001	<0.001
6/24/2015	<0.001	<0.001			<0.001	
6/25/2015			0.0001 (J)	7E-05 (J)		<0.001
6/30/2015	9E-05 (J)	<0.001				
7/1/2015			0.0001 (J)	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			9E-05 (J)	0.0001 (J)	<0.001	<0.001
8/12/2015	7E-05 (J)	<0.001	7E-05 (J)			
8/13/2015				8E-05 (J)	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	6E-05 (J)		<0.001			
7/11/2016		<0.001		<0.001	<0.001	<0.001
9/7/2016		<0.001				
9/8/2016	<0.001		<0.001			
9/9/2016				<0.001	<0.001	<0.001
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			<0.001	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			4E-05 (J)			<0.001
3/16/2017	4E-05 (J)	<0.001		0.0001 (J)	5E-05 (J)	
5/18/2017			<0.001	0.0001 (J)	<0.001	<0.001
5/19/2017	<0.001	<0.001				
9/15/2017			<0.001	0.0001 (J)		<0.001
9/18/2017					<0.001	
9/19/2017	<0.001	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	<0.001	<0.001	<0.001	0.00011 (J)	<0.001	
3/3/2020			7.9E-05 (J)	6.5E-05 (J)		
3/4/2020	<0.001	<0.001			<0.001	<0.001
9/4/2020				<0.001	<0.001	<0.001
9/8/2020	<0.001	<0.001	<0.001			
2/25/2021			<0.001	<0.001	<0.001	<0.001
2/26/2021	<0.001	<0.001				
7/27/2021			<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
7/28/2021				<0.001	<0.001	<0.001
7/29/2021	<0.001	<0.001				
1/25/2022			<0.001			
1/26/2022	<0.001	<0.001		<0.001		<0.001
1/27/2022					<0.001	
8/5/2022			<0.001			<0.001
8/8/2022	<0.001	<0.001		<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0004 (J)					
9/17/2014		<0.001	0.0002 (J)	<0.001	<0.001	
9/18/2014						0.0001 (J)
10/4/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/5/2014						0.0001 (J)
10/21/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/22/2014						0.0001 (J)
11/5/2014			0.0003 (J)		<0.001	0.0002 (J)
11/11/2014	0.0005 (J)	<0.001		<0.001		
3/3/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
3/4/2015						0.0001 (J)
3/18/2015	0.0005 (J)	<0.001	0.0002 (J)	<0.001		
3/19/2015					<0.001	0.0001 (J)
4/6/2015	0.0004 (J)	<0.001				
4/7/2015			0.0002 (J)	<0.001	<0.001	0.0001 (J)
4/23/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001		
4/24/2015					<0.001	0.0001 (J)
7/29/2015	0.0003 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	0.002222 (JD)					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		<0.001	<0.001		
7/14/2016		<0.001			<0.001	<0.001
9/12/2016				<0.001	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		<0.001		
11/2/2016	<0.001					
1/11/2017	0.0003 (J)	<0.001		<0.001	<0.001	
1/12/2017			<0.001			<0.001
3/20/2017	0.0003 (J)			<0.001		
3/21/2017		<0.001			<0.001	
3/22/2017						4E-05 (J)
3/23/2017			0.0001 (J)			
5/22/2017				<0.001	<0.001	5E-05 (J)
5/23/2017	0.0003 (J)	<0.001	0.0001 (J)			
9/19/2017						6E-05 (J)
9/20/2017					<0.001	
9/21/2017	0.0002 (J)			<0.001		
9/22/2017		<0.001				
9/25/2017			0.0001 (J)			
3/14/2018	0.00018 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/7/2018	0.00016 (J)			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.00026 (J)					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001
9/9/2019	6E-05 (J)		<0.001		<0.001	
9/10/2019		<0.001				
3/4/2020	0.00014 (J)				<0.001	
3/5/2020		<0.001		<0.001		<0.001
3/6/2020			7.6E-05 (J)			
9/4/2020						<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
2/26/2021			<0.001	<0.001	<0.001	
3/9/2021	<0.001					<0.001
3/10/2021		<0.001				
7/29/2021			<0.001	<0.001		
7/30/2021	<0.001	<0.001				
8/2/2021						<0.001
8/5/2021					<0.001	
1/27/2022				<0.001	<0.001	<0.001
1/28/2022	<0.001	<0.001	<0.001			
8/9/2022					<0.001	<0.001
8/10/2022			<0.001	<0.001		
8/11/2022	<0.001	<0.001				
2/9/2023			<0.001	<0.001	<0.001	
2/10/2023	<0.001	<0.001				<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.001	<0.001	
9/18/2014	0.0002 (J)	<0.001	0.0002 (J)			
10/4/2014				<0.001	<0.001	
10/5/2014	0.0002 (J)	0.0001 (J)	0.0003 (J)			
10/22/2014	0.0002 (J)	<0.001	0.0002 (J)			
10/23/2014				<0.001	<0.001	
11/5/2014	0.0002 (J)	0.0001 (J)				
11/10/2014				<0.001	<0.001	
3/4/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	<0.001	
3/19/2015	0.0002 (J)	0.0001 (J)				
3/20/2015			0.0002 (J)	<0.001	<0.001	
4/8/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001		
4/9/2015					<0.001	
4/23/2015			0.0002 (J)	<0.001	<0.001	
4/24/2015	0.0002 (J)	0.0001 (J)				
7/30/2015	0.0001 (J)	0.0001 (J)	0.0001 (J)	<0.001	<0.001	
3/4/2016				<0.001		
3/7/2016		<0.001				
3/8/2016	<0.001				<0.001	
3/9/2016			0.0033 (Jo)			
5/4/2016					<0.001	
5/5/2016		<0.001		<0.001		
5/6/2016			<0.001			
5/9/2016	0.000353 (J)					
7/12/2016				<0.001		
7/14/2016		<0.001				
7/15/2016	<0.001		<0.001			
7/18/2016					<0.001	
9/9/2016	<0.001					
9/12/2016		<0.001				
9/13/2016				<0.001	<0.001	
9/14/2016			0.0002 (J)			
10/27/2016	<0.001	<0.001		<0.001	<0.001	
11/1/2016			<0.001			
1/12/2017	<0.001					
1/13/2017		<0.001		<0.001	<0.001	
1/25/2017			<0.001			
3/16/2017					<0.001	
3/20/2017		<0.001		<0.001		
3/21/2017	<0.001					
3/22/2017			0.0001 (J)			
5/19/2017				<0.001	<0.001	
5/23/2017	0.0002 (J)	0.0001 (J)				
5/24/2017			0.0001 (J)			
9/19/2017	0.0002 (J)	8E-05 (J)		<0.001	<0.001	
9/21/2017			0.0002 (J)			
3/13/2018		0.00017 (J)		<0.001	<0.001	
3/14/2018	<0.001		<0.001			
9/7/2018		<0.001				
9/10/2018	<0.001					
9/11/2018			<0.001	<0.001	<0.001	
3/8/2019				<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.001	0.00015 (J)				
3/12/2019			<0.001			
9/5/2019		5.5E-05 (J)		<0.001	<0.001	
9/6/2019	0.0002 (J)		0.0003 (J)			
3/3/2020	7.1E-05 (J)	7.2E-05 (J)		<0.001	<0.001	
3/5/2020			0.00018 (J)			
9/4/2020					<0.001	
9/8/2020	<0.001	0.00016 (J)				
9/9/2020			0.00016 (J)	<0.001		
3/9/2021	<0.001	<0.001		<0.001	<0.001	
3/10/2021			<0.001			
7/29/2021				<0.001		
7/30/2021			0.00023 (J)			
8/2/2021	<0.001	<0.001			<0.001	
1/27/2022		<0.001			<0.001	
1/28/2022	0.00021 (J)		<0.001	<0.001		
8/8/2022						<0.001
8/9/2022				<0.001	<0.001	
8/10/2022	0.00031 (J)	<0.001				
8/11/2022			<0.001			
2/8/2023						<0.001
2/9/2023	0.00029 (J)	<0.001		<0.001	<0.001	
2/10/2023			<0.001			

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						134
3/1/2016	96	150	34			
3/2/2016				34		
5/2/2016	63	105				
5/3/2016			<25	<36		
5/4/2016					175	113
7/6/2016		113				
7/7/2016	105			39	204	
7/8/2016			14 (J)			152
9/7/2016	103	169	16 (J)			
9/8/2016				<36	141	124
10/25/2016	101	152	<25	<36		
10/26/2016					153	134
1/5/2017	155	229				
1/6/2017			189 (O)		329	
2/9/2017				65		
3/14/2017		188	90 (o)			
3/15/2017	96				197	139
3/23/2017				<36		
5/16/2017		147	20 (J)			
5/17/2017	110			113		156
5/18/2017					250	
7/19/2017					195	
9/15/2017	89	146	14 (J)			141
9/19/2017				21 (J)	255	
3/12/2018	81	169	<25			
3/13/2018				33	233	150
9/6/2018	107	155	<25	<36		160
9/7/2018					232	
3/6/2019	71 (J)		22 (J)			
3/7/2019		135		84		159
3/8/2019					244	
9/4/2019	83	142	26	44	207	135
3/2/2020	65	170	<25	32		142
3/3/2020					211	
9/3/2020	90		25	21		132
9/9/2020					205	
9/14/2020		156				
2/24/2021	60		10	12		144
2/25/2021					217	
3/26/2021		123				
7/27/2021		163				170
7/28/2021			13	18	199	
8/6/2021	94					
1/25/2022				27		136
1/26/2022		184	26		190	
8/5/2022				27		123
8/8/2022		232	19			
8/9/2022					208	
2/8/2023		238	<25	31		

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	130	134	125	185		
3/3/2016					181	403
5/3/2016	99	76		182	123	
5/4/2016			77			
5/9/2016						182
7/8/2016	132		139			
7/11/2016		142		195	149	262
9/7/2016		143				
9/8/2016	108		110			
9/9/2016				140	133	272
10/26/2016	113		115	148		276
10/27/2016		114			168	
1/9/2017	146		121	171	166	317
3/15/2017			132			355
3/16/2017	132	146		176	189	
5/18/2017			174	184	192	382
5/19/2017	114	129				
9/15/2017			124	194		362
9/18/2017					184	
9/19/2017	154	165				
3/12/2018				212	207	
3/13/2018	138	132	133			349
9/6/2018			135			
9/7/2018				240	202	377
9/11/2018	140	142				
3/7/2019			111		212	410
3/8/2019	143			248		
3/12/2019		150 (J)				
9/4/2019						326
9/5/2019	148	142	132	229	183	
3/3/2020			91	210		
3/4/2020	146	157			207	325
9/4/2020				226	180	267
9/8/2020	138	124	116			
2/25/2021			124	217	194	284
2/26/2021	128	98				
7/27/2021			116			
7/28/2021				232	206	291
7/29/2021	121	134				
1/25/2022			113			
1/26/2022	131	144		244		278
1/27/2022					207	
8/5/2022			106			271
8/8/2022	137	136		240	209	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	306					
3/4/2016		348				
3/7/2016			100	167	172	
3/8/2016						207
5/5/2016			63	119		
5/9/2016					206	189
5/10/2016	275	342				
7/13/2016	234		63	135		
7/14/2016		335			136	193
9/12/2016				129	171	201
9/13/2016			81			
9/14/2016		335				
9/15/2016	259					
10/31/2016			40		160	215
11/1/2016		296		121		
11/2/2016	260					
1/11/2017	306	376		177	214	
1/12/2017			92			198
3/20/2017	304			149		
3/21/2017		346			175 (J)	
3/23/2017			116			
5/22/2017				119	129	197
5/23/2017	297	320	107			
9/19/2017						225
9/20/2017					173	
9/21/2017	307			166		
9/22/2017		337				
9/25/2017			110			
12/29/2017						198 (Y)
3/14/2018	312	323	115	139	156	167
9/7/2018	298			149		
9/10/2018					172	184
9/11/2018		317	102			
3/11/2019	344					
3/12/2019		306	135 (J)	143 (J)	156 (J)	191 (J)
9/6/2019				141		179
9/9/2019	275		95		172	
9/10/2019		312				
3/4/2020	326				157	
3/5/2020		307		143		171
3/6/2020			109			
9/4/2020						212
9/9/2020	297	285	88	120	152	
2/26/2021			90	121	172	
3/9/2021	335					163
3/10/2021		256				
7/29/2021			103	146		
7/30/2021	294	270				
8/2/2021						168
8/5/2021					154	
1/27/2022				146	149	176
1/28/2022	317	302	99			

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					102	171
8/10/2022			86	147		
8/11/2022	306	296				
2/9/2023			175	171	171	
2/10/2023	369	302				226 (J)

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				209		
3/7/2016		163				
3/8/2016	318				177	
3/9/2016			287			
5/4/2016					97	
5/5/2016		140		152		
5/6/2016			284			
5/9/2016	136					
7/12/2016				157		
7/14/2016		161				
7/15/2016	237		249			
7/18/2016					150	
9/9/2016	263					
9/12/2016		168				
9/13/2016				154	159	
9/14/2016			273			
10/27/2016	283	140		162	143	
11/1/2016			258			
1/12/2017	276					
1/13/2017		147 (J)		165	158	
1/25/2017			340			
3/16/2017					167	
3/20/2017		186		205 (J)		
3/21/2017	385					
3/22/2017			264			
5/19/2017				149	150	
5/23/2017	294	183				
5/24/2017			331			
9/19/2017	302	167		153	146	
9/21/2017			347			
3/13/2018		159		153	153	
3/14/2018	306		290			
9/7/2018		169				
9/10/2018	328					
9/11/2018			295	152	153	
3/8/2019				164	155	
3/11/2019	311	166				
3/12/2019			310 (J)			
9/5/2019		171		155.5 (D)	177	
9/6/2019	291		300			
3/3/2020	292	181		146	183	
3/5/2020			265			
9/4/2020					172	
9/8/2020	297	157				
9/9/2020			501	155		
12/15/2020			351			
3/9/2021	286	161		158	153	
3/10/2021			333			
7/29/2021				143		
7/30/2021			380			
8/2/2021	292	166			175	
1/27/2022		167			168	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/22/2023 3:04 PM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/28/2022	290		454	159		
8/8/2022						232
8/9/2022				149	164	
8/10/2022	286	162				
8/11/2022			586			
11/3/2022			573 (R)			
2/8/2023						245
2/9/2023	317	328		147	169	
2/10/2023			533			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0073				
9/16/2014			<0.01	0.00085 (J)		
10/3/2014	<0.01	<0.01	<0.01	0.00096 (J)		
10/20/2014	<0.01	0.0045 (J)	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	0.00095 (J)		
3/2/2015	<0.01	<0.01	<0.01	0.0041 (J)		
3/17/2015	<0.01	<0.01	<0.01	0.0018 (J)		
4/5/2015	<0.01	0.0014 (J)	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	0.0029 (J)				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					0.0044 (J)	<0.01
5/25/2015					0.0025 (J)	<0.01
6/8/2015					0.0042 (J)	0.0012 (J)
6/18/2015					0.0056	<0.01
6/24/2015					0.016	<0.01
6/30/2015					0.013	<0.01
7/6/2015					0.012	0.0011 (J)
7/28/2015	<0.01	0.0031 (J)	<0.01	<0.01		
8/12/2015					0.0279 (o)	0.000519 (J)
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01	
7/8/2016			0.0028 (J)			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	0.00073 (J)	0.00538 (JD)	<0.01	<0.01
3/2/2020	<0.01	<0.01	0.00074 (J)	0.0014 (J)		<0.01
3/3/2020					0.00091 (J)	
9/3/2020	<0.01		<0.01	<0.01		<0.01
9/9/2020					<0.01	
9/14/2020		<0.01				
2/24/2021	<0.01		<0.01	<0.01		<0.01
2/25/2021					<0.01	
3/26/2021		<0.01				
7/27/2021		<0.01				<0.01
7/28/2021			<0.01	<0.01	<0.01	
8/6/2021	<0.01					
1/25/2022				<0.01		<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.01	<0.01		<0.01	
8/5/2022				<0.01		<0.01
8/8/2022		<0.01	<0.01			
8/9/2022					<0.01	
2/8/2023		<0.01	<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		0.0018 (J)	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		0.0014 (J)	0.0014 (J)	0.0017 (J)	
5/19/2015						0.0015 (J)
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0033 (J)	<0.01
6/17/2015	<0.01		0.0015 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0031 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	0.000525 (J)	0.000172 (J)	0.000656 (J)	0.000246 (J)	0.000187 (J)	0.000497 (J)
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			
2/25/2021			<0.01	<0.01	<0.01	<0.01
2/26/2021	<0.01	<0.01				
7/27/2021			<0.01			
7/28/2021				<0.01	<0.01	<0.01
7/29/2021	<0.01	<0.01				
1/25/2022			<0.01			
1/26/2022	<0.01	<0.01		<0.01		<0.01
1/27/2022					<0.01	
8/5/2022			<0.01			<0.01
8/8/2022	<0.01	<0.01		<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0019 (J)					
9/17/2014		<0.01	<0.01	0.001 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	0.005	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.00089 (J)	<0.01	<0.01	0.00084 (J)	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0012 (J)		<0.01		
3/3/2015	0.00093 (J)	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	0.0012 (J)
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0021 (J)		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0019 (J)			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01
9/9/2019	0.00091 (J)		0.00078 (J)		0.00081 (J)	
9/10/2019		<0.01				
3/4/2020	0.0023 (J)				0.00096 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			
9/4/2020						<0.01
9/9/2020	<0.01	<0.01	<0.01	<0.01	<0.01	
2/26/2021			<0.01	<0.01	<0.01	
3/9/2021	0.003 (J)					<0.01
3/10/2021		<0.01				
7/29/2021			<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0022 (J)	<0.01				
8/2/2021						<0.01
8/5/2021					<0.01	
1/27/2022				<0.01	<0.01	<0.01
1/28/2022	<0.01	<0.01	<0.01			
8/9/2022					<0.01	<0.01
8/10/2022			<0.01	<0.01		
8/11/2022	<0.01	<0.01				
2/9/2023			<0.01	<0.01	<0.01	
2/10/2023	0.003 (J)	<0.01				<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.0012 (J)	<0.01	
9/18/2014	<0.01	<0.01	<0.01			
10/4/2014				<0.01	<0.01	
10/5/2014	<0.01	<0.01	<0.01			
10/22/2014	<0.01	<0.01	0.00083 (J)			
10/23/2014				<0.01	<0.01	
11/5/2014	<0.01	<0.01	0.0014 (J)			
11/10/2014				<0.01	<0.01	
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/19/2015	<0.01	<0.01				
3/20/2015			<0.01	<0.01	<0.01	
4/8/2015	<0.01	<0.01	0.0017 (J)	0.0012 (J)		
4/9/2015					<0.01	
4/23/2015			<0.01	<0.01	<0.01	
4/24/2015	<0.01	<0.01				
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/4/2016				<0.01		
3/7/2016		<0.01				
3/8/2016	<0.01				<0.01	
3/9/2016			<0.01			
7/12/2016				0.002 (J)		
7/14/2016		<0.01				
7/15/2016	<0.01		<0.01			
7/18/2016					<0.01	
3/16/2017					<0.01	
3/20/2017		<0.01		<0.01		
3/21/2017	<0.01					
3/22/2017			<0.01			
9/19/2017	<0.01	<0.01		0.0012 (J)	<0.01	
9/21/2017			<0.01			
3/13/2018		<0.01		<0.01	<0.01	
3/14/2018	<0.01		<0.01			
9/7/2018		<0.01				
9/10/2018	<0.01					
9/11/2018			<0.01	<0.01	<0.01	
3/8/2019				<0.01	<0.01	
3/11/2019	<0.01	<0.01				
3/12/2019			<0.01			
9/5/2019		0.00094 (J)		0.0012 (JD)	<0.01	
9/6/2019	0.0012 (J)		0.0011 (J)			
3/3/2020	0.00085 (J)	<0.01		0.0011 (J)	<0.01	
3/5/2020			0.00071 (J)			
9/4/2020					<0.01	
9/8/2020	<0.01	<0.01				
9/9/2020			<0.01	<0.01		
3/9/2021	<0.01	<0.01		<0.01	<0.01	
3/10/2021			<0.01			
7/29/2021				<0.01		
7/30/2021			<0.01			
8/2/2021	<0.01	<0.01			<0.01	
1/27/2022		<0.01			<0.01	
1/28/2022	<0.01		<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.01
8/9/2022				<0.01	<0.01	
8/10/2022	<0.01	<0.01				
8/11/2022			<0.01			
2/8/2023						<0.01
2/9/2023	<0.01	<0.01		<0.01	<0.01	
2/10/2023			<0.01			

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.15	0.44 (o)				
9/16/2014			0.0062	0.0054		
10/3/2014	0.04	0.021	0.0085	0.007		
10/20/2014	0.042	0.19	0.0087	0.0052		
11/10/2014	0.1	0.0014 (J)	0.01	0.0054		
3/2/2015	0.073	0.032	0.0077	0.041 (o)		
3/17/2015	0.2	0.034	0.0086	0.014		
4/5/2015	0.29	0.089	0.0098			
4/6/2015				0.0044		
4/21/2015	0.46	0.16				
4/22/2015			0.0049	0.0023 (J)		
5/8/2015					0.015	<0.02
5/17/2015					0.12 (o)	0.0017 (J)
5/25/2015					0.023	0.003
6/8/2015					0.016	0.0025
6/18/2015					0.016	0.0019 (J)
6/24/2015					0.022	0.0028
6/30/2015					0.017	<0.02
7/6/2015					0.01	<0.02
7/28/2015	0.26	0.15	0.0099	0.0035		
8/12/2015					0.0047 (BJ)	0.0033 (BJ)
2/29/2016						<0.02
3/1/2016	0.378	0.0627	0.00756 (J)			
3/2/2016				0.0029 (J)		
7/6/2016		0.0532				
7/7/2016	0.263			0.0023 (J)	0.0073 (J)	
7/8/2016			0.0098 (J)			<0.02
3/14/2017		0.0401	0.0042 (J)			
3/15/2017	0.382				<0.02	0.0013 (J)
3/23/2017				<0.02		
9/15/2017	0.406	0.0338	0.0032 (J)			<0.02
9/19/2017				0.002 (J)	<0.02	
3/12/2018	0.5	0.042	0.0025 (J)			
3/13/2018				<0.02	<0.02	<0.02
9/6/2018	0.37	0.045	<0.02	<0.02		<0.02
9/7/2018				<0.02		
3/6/2019	0.56		0.0035 (J)			
3/7/2019		0.043		<0.02		<0.02
3/8/2019					<0.02	
9/4/2019	0.34	0.052	0.0086 (J)	0.00565 (JD)	0.0051 (J)	0.0045 (J)
3/2/2020	0.54	0.056	0.0063 (J)	0.0032 (J)		0.0024 (J)
3/3/2020					0.0035 (J)	
9/3/2020	0.35		0.0049 (J)	<0.02		<0.02
9/9/2020					<0.02	
9/14/2020		0.053				
2/24/2021	0.44		0.0038 (J)	<0.02		<0.02
2/25/2021					<0.02	
3/26/2021		0.046				
7/27/2021		<0.02				<0.02
7/28/2021			0.0088 (J)	<0.02	<0.02	
8/6/2021	0.15					
1/25/2022				<0.02		<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.02	<0.02		<0.02	
8/5/2022				<0.02		<0.02
8/8/2022		<0.02	<0.02			
8/9/2022					<0.02	
2/8/2023		0.0086 (J)	<0.02	<0.02		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.0022 (J)				
5/9/2015	0.0023 (J)		<0.02	<0.02	<0.02	<0.02
5/17/2015		<0.02				
5/18/2015	0.0034		0.0019 (J)	0.0016 (J)	0.0033	
5/19/2015						0.0045
5/25/2015	<0.02	0.0022 (J)	0.0022 (J)			
5/26/2015				<0.02	0.0022 (J)	0.0038
6/8/2015	0.0015 (J)	0.0015 (J)				
6/9/2015			0.0015 (J)	0.0026	0.0082	0.0037
6/17/2015	<0.02		0.0035	0.0017 (J)	<0.02	0.0018 (J)
6/18/2015		0.0026				
6/24/2015	<0.02	0.0015 (J)				
6/25/2015			<0.02	<0.02	<0.02	<0.02
6/30/2015	<0.02	0.0015 (J)				
7/1/2015			<0.02	<0.02	0.0064	<0.02
7/6/2015	<0.02	<0.02				
7/7/2015			<0.02	<0.02	<0.02	<0.02
8/12/2015	0.004 (BJ)	0.0031 (BJ)	0.0015 (BJ)			
8/13/2015				0.002 (BJ)	0.0028 (BJ)	0.0017 (BJ)
3/2/2016	0.0035 (J)	0.0028 (J)	<0.02	<0.02		
3/3/2016				<0.02	<0.02	
7/8/2016	<0.02		0.0029 (J)			
7/11/2016		<0.02		<0.02	<0.02	0.0018 (J)
3/15/2017			0.0024 (J)			0.0034 (J)
3/16/2017	0.0029 (J)	0.0018 (J)		0.0015 (J)	0.0054 (J)	
9/15/2017			0.0016 (J)	<0.02		<0.02
9/18/2017					<0.02	
9/19/2017	0.0018 (J)	<0.02				
3/12/2018				<0.02	<0.02	
3/13/2018	0.0021 (J)	<0.02	0.0023 (J)			0.0029 (J)
9/6/2018			<0.02			
9/7/2018				<0.02	<0.02	<0.02
9/11/2018	<0.02	<0.02				
3/7/2019			<0.02		<0.02	<0.02
3/8/2019	<0.02			<0.02		
3/12/2019		<0.02				
9/4/2019						0.0052 (J)
9/5/2019	0.0064 (J)	0.0098 (J)	0.0048 (J)	0.0056 (J)	0.0045 (J)	
3/3/2020			0.0024 (J)	0.005 (J)		
3/4/2020	0.004 (J)	0.0027 (J)			0.0028 (J)	0.0029 (J)
9/4/2020				<0.02	<0.02	<0.02
9/8/2020	<0.02	<0.02	<0.02			
2/25/2021			<0.02	<0.02	<0.02	<0.02
2/26/2021	<0.02	<0.02				
7/27/2021			<0.02			
7/28/2021				<0.02	<0.02	<0.02
7/29/2021	0.01 (J)	<0.02				
1/25/2022			<0.02			
1/26/2022	<0.02	<0.02		<0.02		<0.02
1/27/2022					<0.02	
8/5/2022			<0.02			<0.02
8/8/2022	<0.02	<0.02		<0.02	<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.072					
9/17/2014		0.0028	0.0035	0.002 (J)	0.0026	
9/18/2014						0.0023 (J)
10/4/2014	0.078	0.0038	0.0032	0.001 (J)	0.0034	
10/5/2014						0.0025
10/21/2014	0.083	0.0043	0.0028	0.00082 (J)	0.0037	
10/22/2014						0.0018 (J)
11/5/2014			0.004		0.0035	0.0019 (J)
11/11/2014	0.082	0.0041		0.00076 (J)		
3/3/2015	0.078	0.0042	0.004	<0.02	0.0036	
3/4/2015						0.0016 (J)
3/18/2015	0.075	0.0046	0.0024 (J)	0.0016 (J)		
3/19/2015					0.0035	0.0025
4/6/2015	0.071	0.0043				
4/7/2015			0.0055	<0.02	0.0039	0.0026
4/23/2015	0.072	0.0047	0.0035	<0.02		
4/24/2015					0.0034	0.0017 (J)
7/29/2015	0.072	0.0039	0.0062	<0.02	0.0038	
7/30/2015						0.0017 (J)
3/3/2016	0.0227					
3/4/2016		0.0219 (J)				
3/7/2016			0.0225 (J)	<0.02	<0.02	
3/8/2016						0.557 (o)
7/13/2016	0.0709		0.0031 (J)	0.0013 (J)		
7/14/2016		0.0111			<0.02	<0.02
3/20/2017	0.0465			<0.02		
3/21/2017		<0.02			<0.02	
3/22/2017						<0.02
3/23/2017			<0.02			
9/19/2017						0.0031 (J)
9/20/2017					0.0062 (J)	
9/21/2017	0.0302			0.0018 (J)		
9/22/2017		0.0023 (J)				
9/25/2017			0.002 (J)			
3/14/2018	0.031	0.0021 (J)	0.0036 (J)	<0.02	<0.02	<0.02
9/7/2018	<0.01			<0.02		
9/10/2018					<0.02	<0.02
9/11/2018		<0.02	<0.02			
3/11/2019	0.024					
3/12/2019		0.0038 (J)	<0.02	<0.02	<0.02	<0.02
9/6/2019				0.0046 (J)		0.00455 (JD)
9/9/2019	0.029		0.0063 (J)		0.0062 (J)	
9/10/2019		0.0055 (J)				
3/4/2020	0.015				0.0072 (J)	
3/5/2020		0.0035 (J)		0.0024 (J)		0.0023 (J)
3/6/2020			0.0045 (J)			
9/4/2020						<0.02
9/9/2020	0.037	<0.02	<0.02	<0.02	<0.02	
2/26/2021			<0.02	<0.02	<0.02	
3/9/2021	0.025					<0.02
3/10/2021		<0.02				
7/29/2021			<0.02	0.015 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.032	<0.02				
8/2/2021						<0.02
8/5/2021					<0.02	
1/27/2022				<0.02	<0.02	<0.02
1/28/2022	0.026	<0.02	<0.02			
8/9/2022					<0.02	<0.02
8/10/2022			<0.02	<0.02		
8/11/2022	0.036 (J)	<0.02				
2/9/2023			<0.02	<0.02	<0.02	
2/10/2023	0.017 (J)	<0.02				<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.00054 (J)	0.004	
9/18/2014	0.0033	0.00089 (J)	0.0013 (J)			
10/4/2014				0.0008 (J)	0.0011 (J)	
10/5/2014	0.0036	0.0016 (J)	0.00085 (J)			
10/22/2014	0.0038	0.0017 (J)	0.0014 (J)			
10/23/2014				<0.02	0.0011 (J)	
11/5/2014	0.0046	0.0038	0.0022 (J)			
11/10/2014				<0.02	0.0028	
3/4/2015	0.0029	0.002 (J)	0.0033	<0.02	<0.02	
3/19/2015	0.0027	0.0025				
3/20/2015			0.002 (J)	<0.02	<0.02	
4/8/2015	0.0039	0.0018 (J)	0.004	0.0016 (J)		
4/9/2015					<0.02	
4/23/2015			0.002 (J)	<0.02	<0.02	
4/24/2015	0.0035	0.0016 (J)				
7/30/2015	0.0027	<0.02	<0.02	<0.02	<0.02	
3/4/2016				0.00374 (J)		
3/7/2016		<0.02				
3/8/2016	0.00273 (J)				0.00198 (J)	
3/9/2016			<0.02			
7/12/2016				<0.02		
7/14/2016		<0.02				
7/15/2016	<0.02		<0.02			
7/18/2016					<0.02	
3/16/2017					0.0026 (J)	
3/20/2017		0.0075 (J)		<0.02		
3/21/2017	<0.02					
3/22/2017			<0.02			
9/19/2017	0.0022 (J)	<0.02		0.0028 (J)	<0.02	
9/21/2017			0.0034 (J)			
3/13/2018		<0.02		0.0068 (J)	<0.02	
3/14/2018	0.0049 (J)		<0.02			
9/7/2018		<0.02				
9/10/2018	<0.02					
9/11/2018			<0.02	<0.02	<0.02	
3/8/2019				<0.02	<0.02	
3/11/2019	0.0034 (J)	0.0021 (J)				
3/12/2019			<0.02			
9/5/2019		0.0053 (J)		0.00675 (JD)	0.0053 (J)	
9/6/2019	0.045		0.0059 (J)			
3/3/2020	0.0044 (J)	0.0029 (J)		0.0033 (J)	0.0027 (J)	
3/5/2020			0.0084 (J)			
9/4/2020					<0.02	
9/8/2020	0.0063 (J)	0.0037 (J)				
9/9/2020			<0.02	0.0048 (J)		
3/9/2021	<0.02	<0.02		0.0063 (J)	<0.02	
3/10/2021			<0.02			
7/29/2021				<0.02		
7/30/2021			<0.02			
8/2/2021	<0.02	<0.02			<0.02	
1/27/2022		<0.02			<0.02	
1/28/2022	<0.02		0.0099 (J)	<0.02		

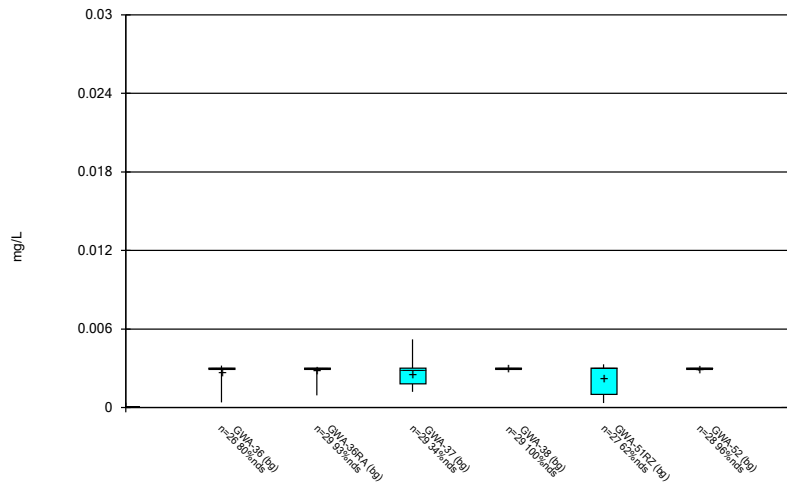
Time Series

Constituent: Zinc (mg/L) Analysis Run 3/22/2023 3:04 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						0.011 (J)
8/9/2022				<0.02	<0.02	
8/10/2022	0.016 (J)	<0.02				
8/11/2022			<0.02			
2/8/2023						0.017 (J)
2/9/2023	0.012 (J)	<0.02		<0.02	<0.02	
2/10/2023			<0.02			

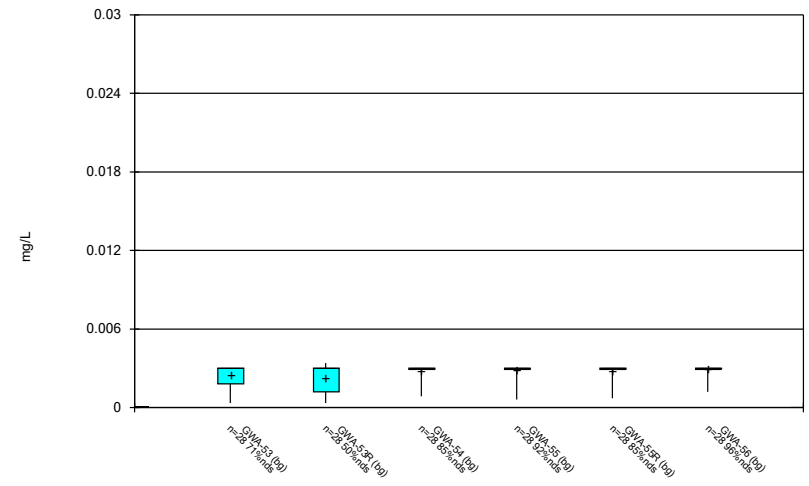
FIGURE B.

Box & Whiskers Plot



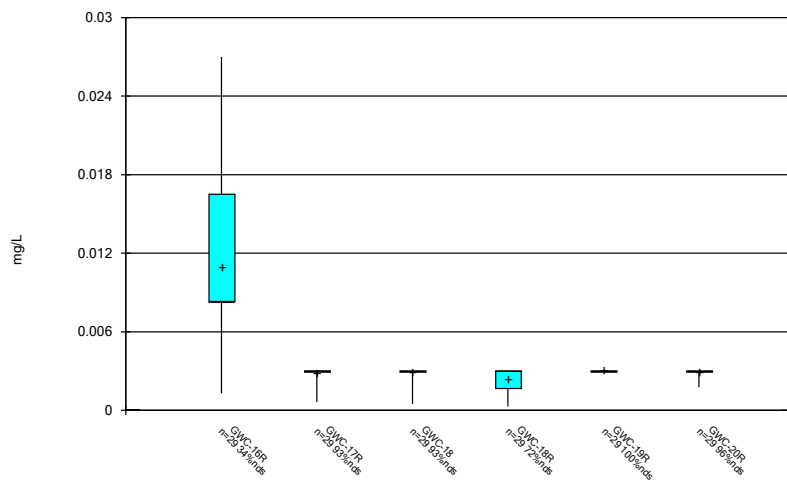
Constituent: Antimony Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



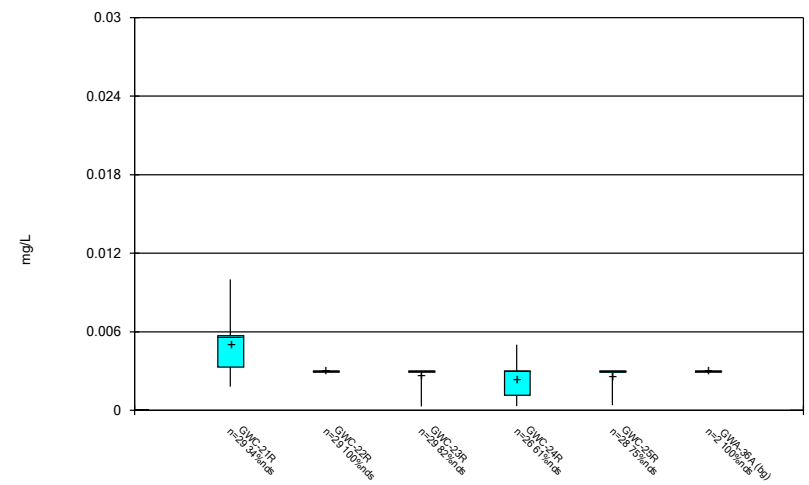
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



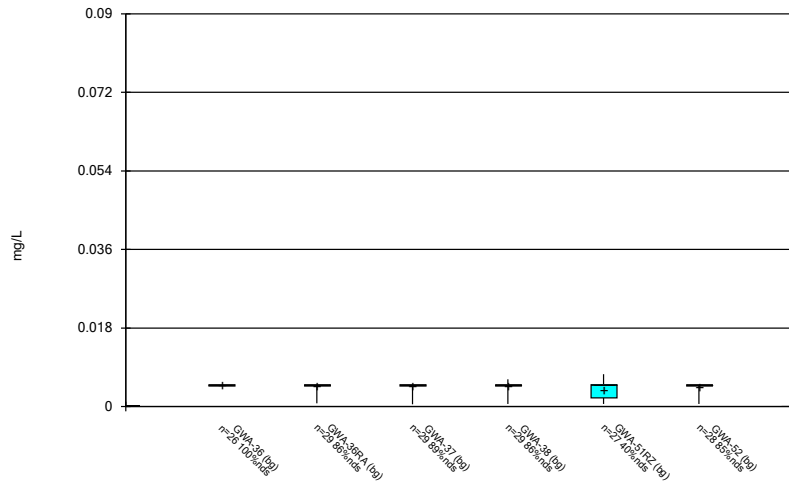
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



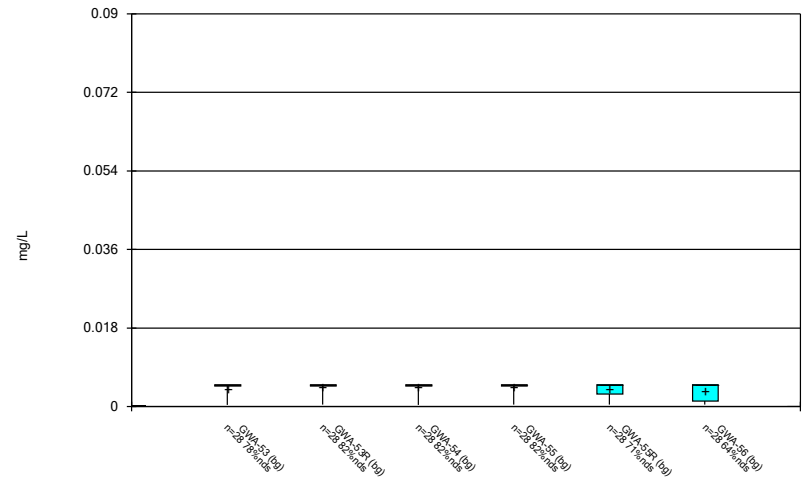
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



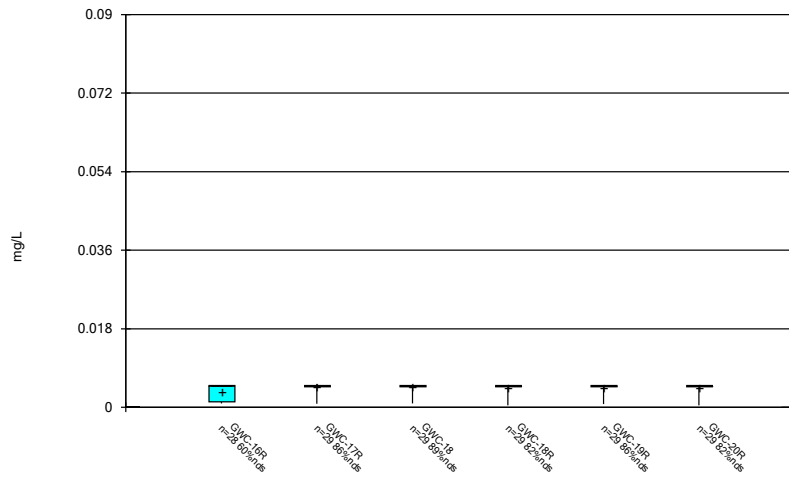
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



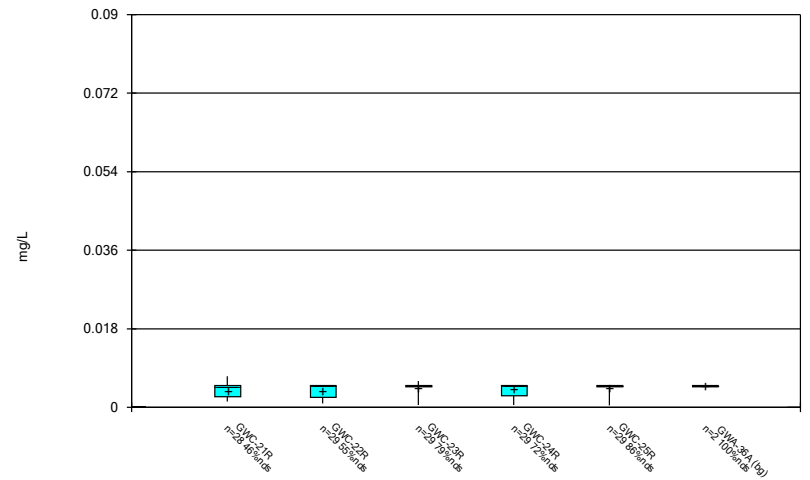
Constituent: Arsenic Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



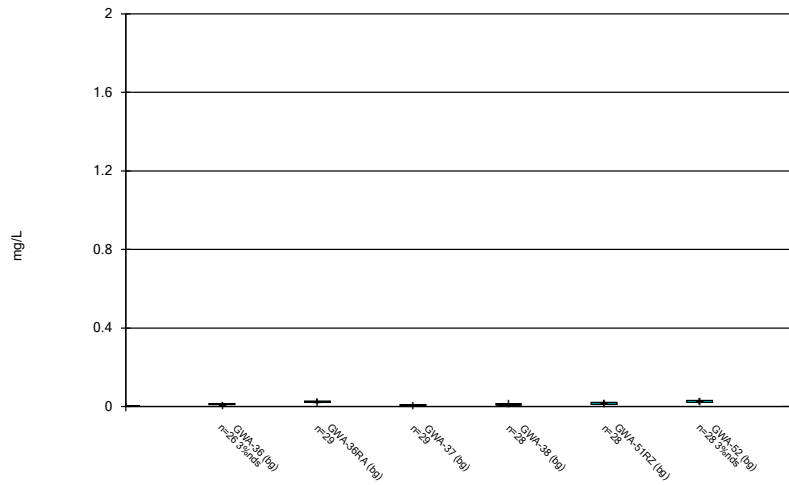
Constituent: Arsenic Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



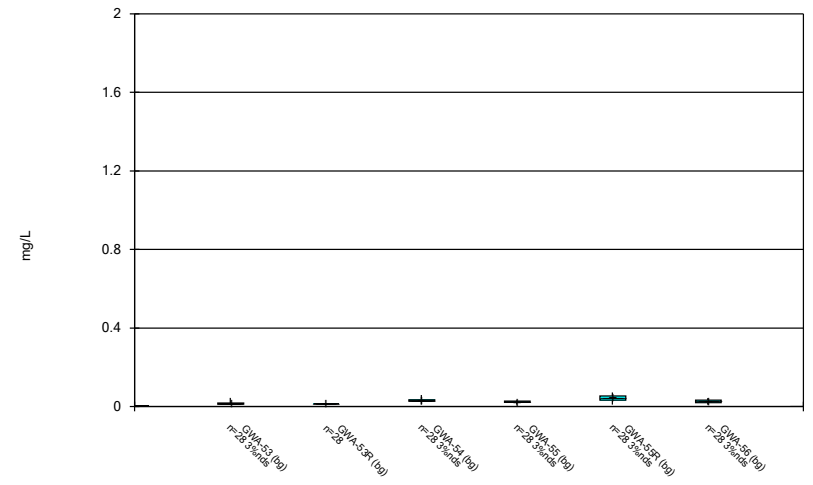
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



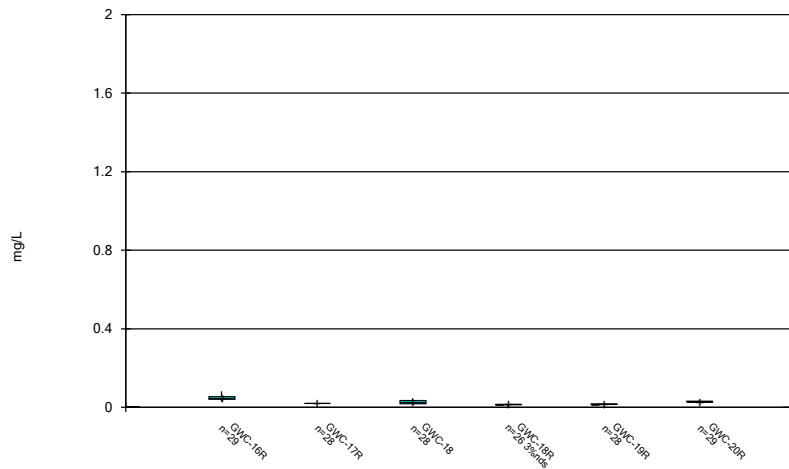
Constituent: Barium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



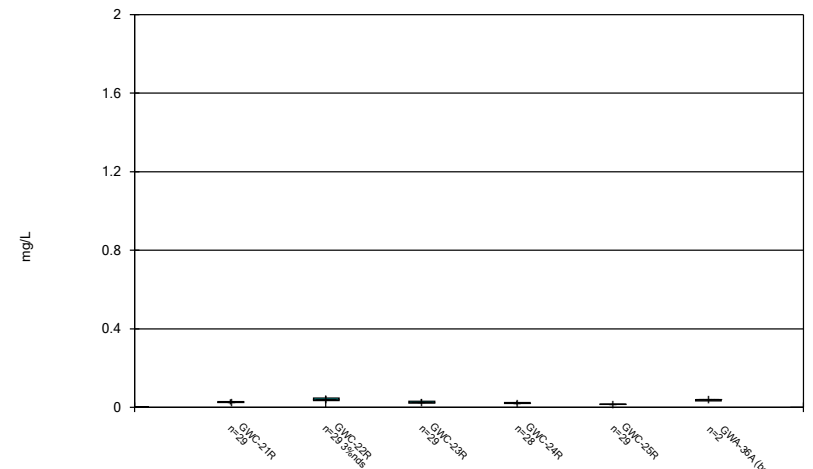
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



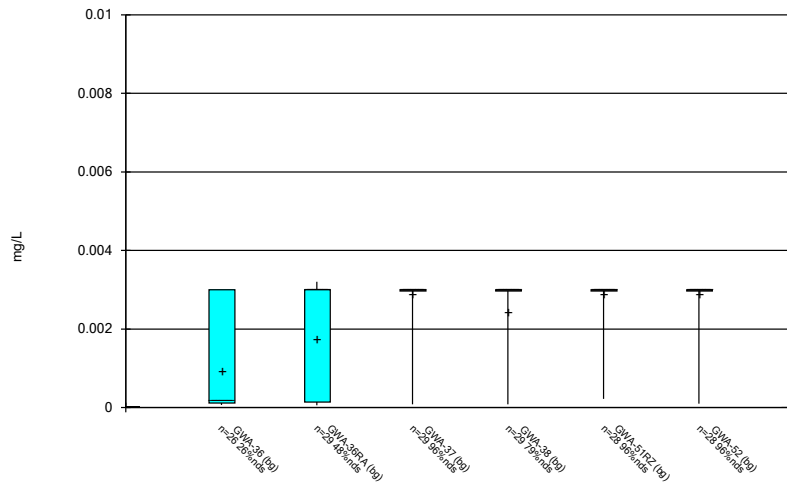
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



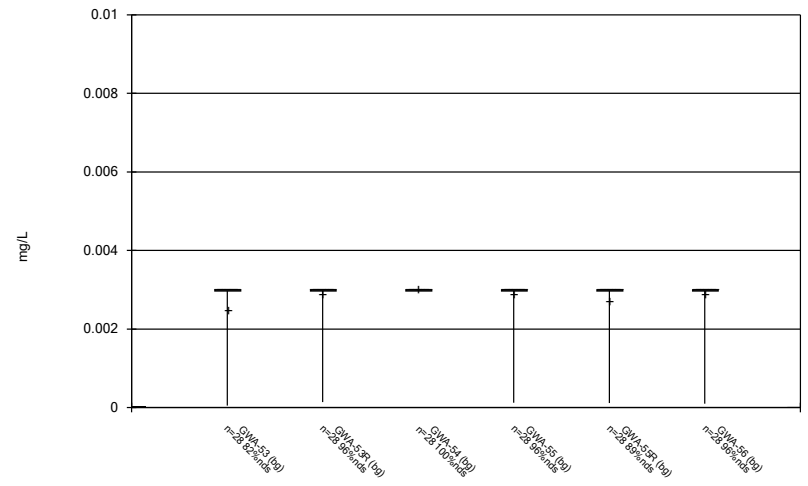
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



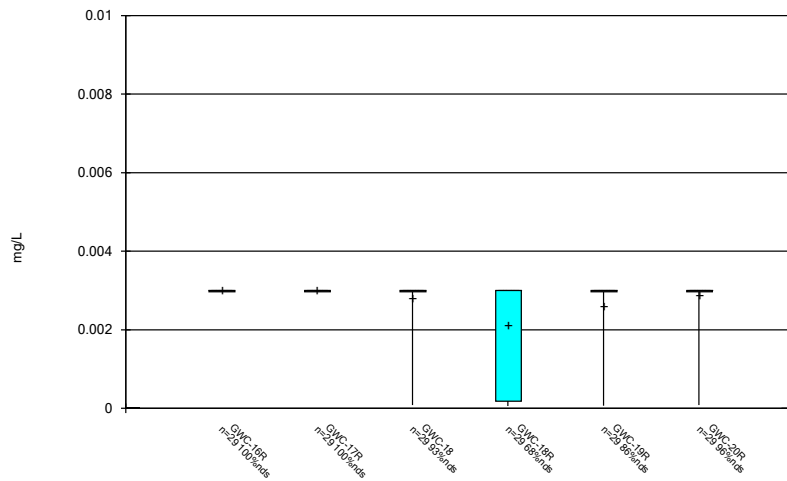
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



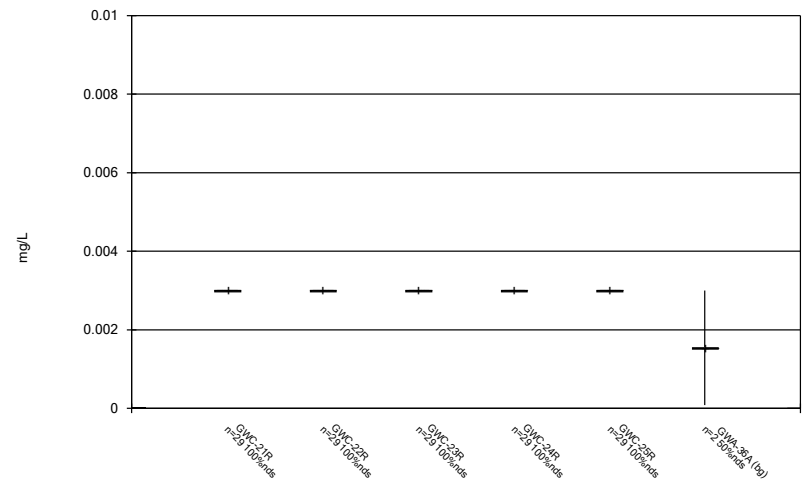
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



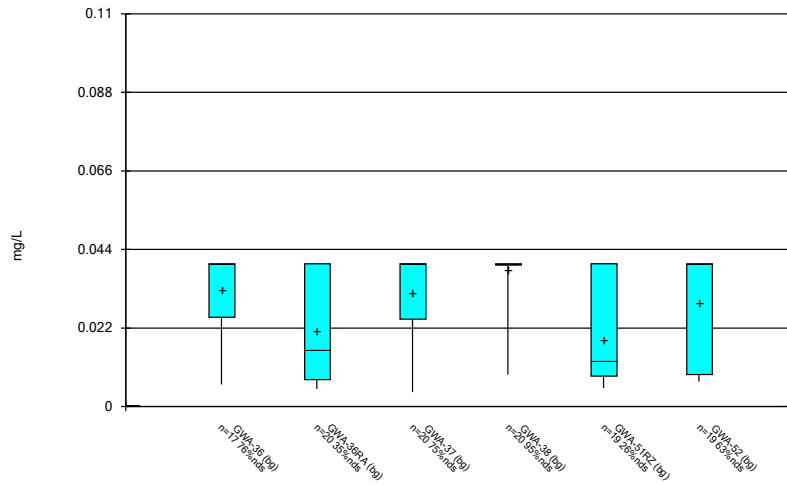
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



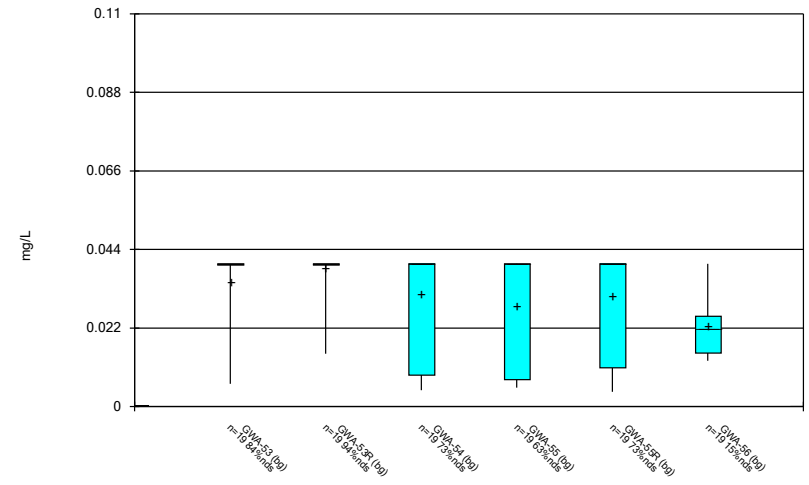
Constituent: Beryllium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



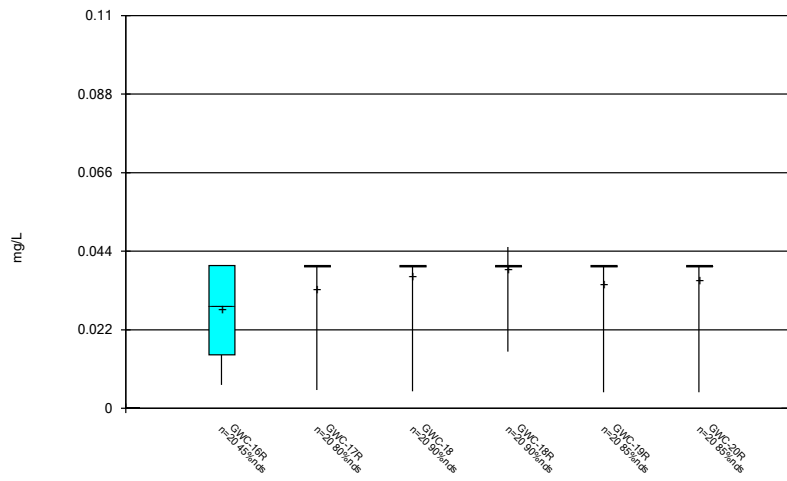
Constituent: Boron Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



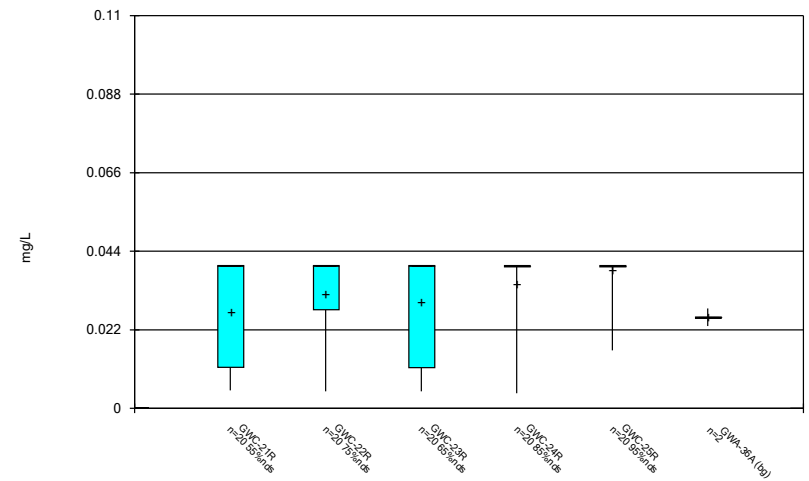
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



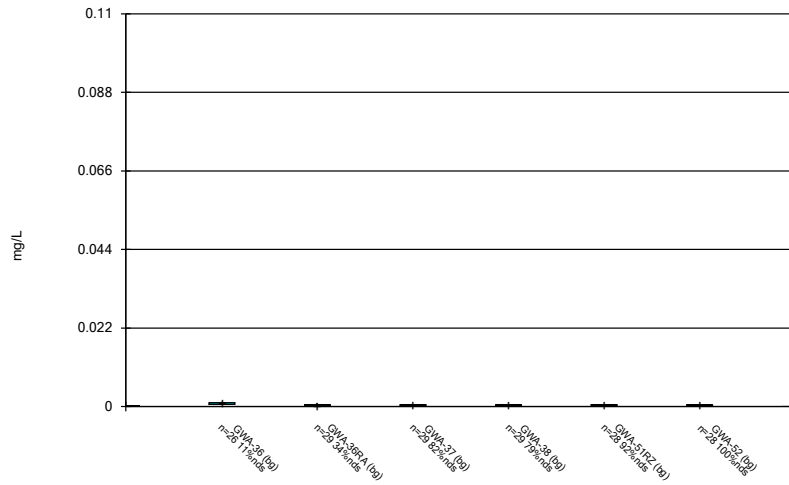
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



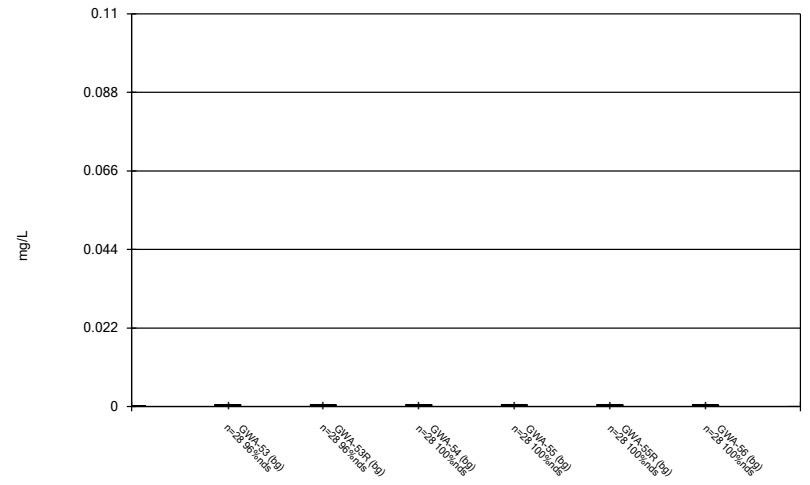
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



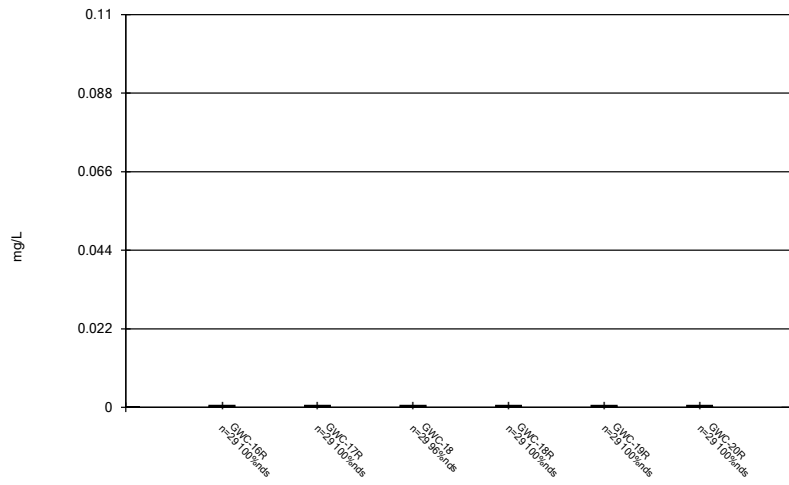
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



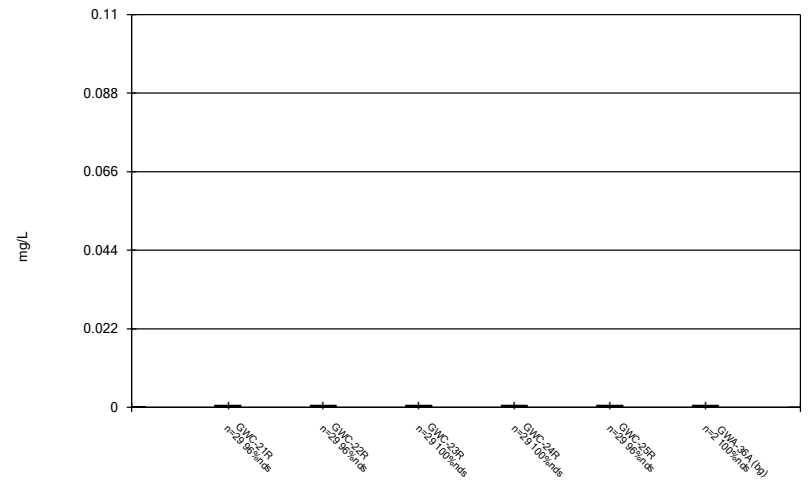
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



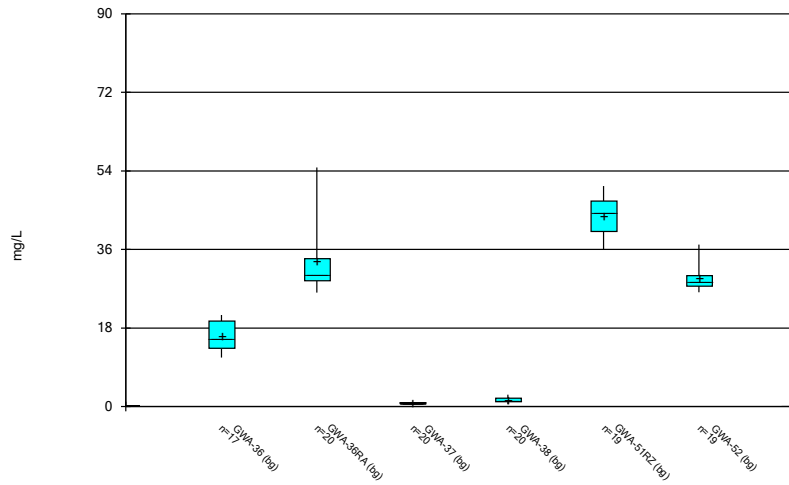
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



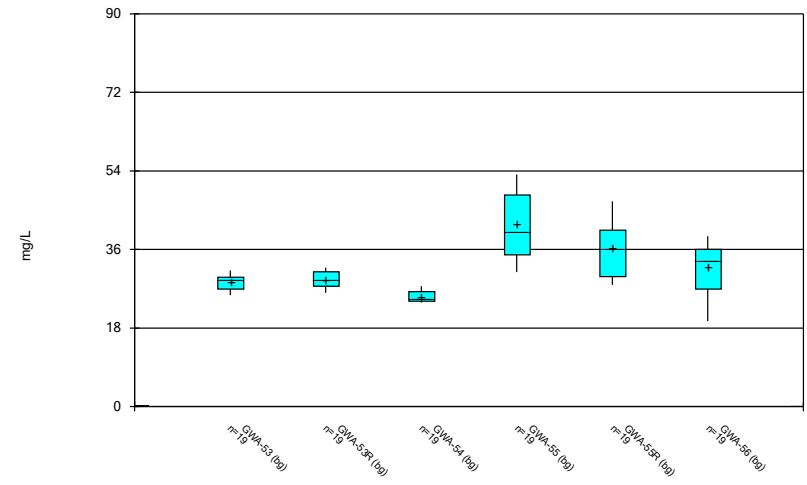
Constituent: Cadmium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



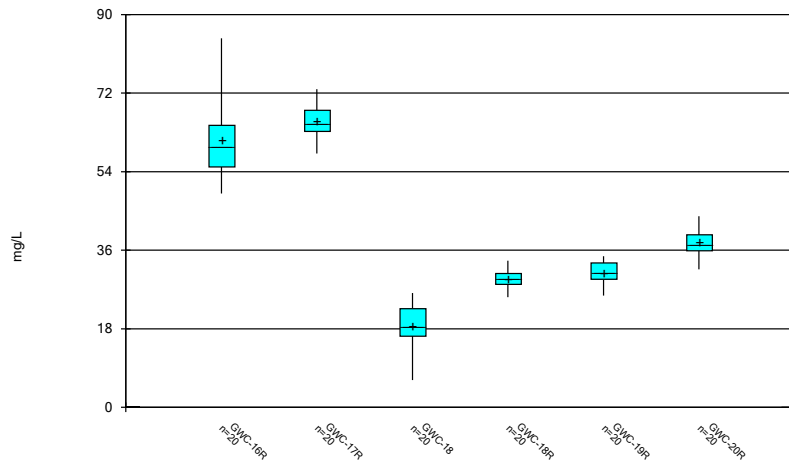
Constituent: Calcium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



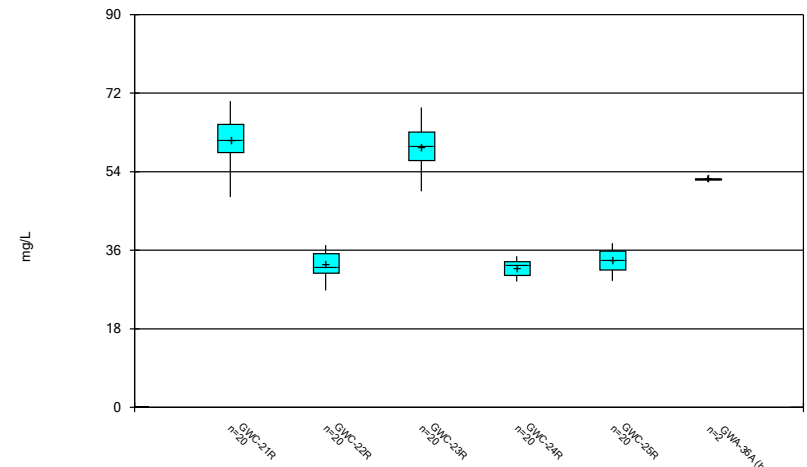
Constituent: Calcium Analysis Run 3/22/2023 3:05 PM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



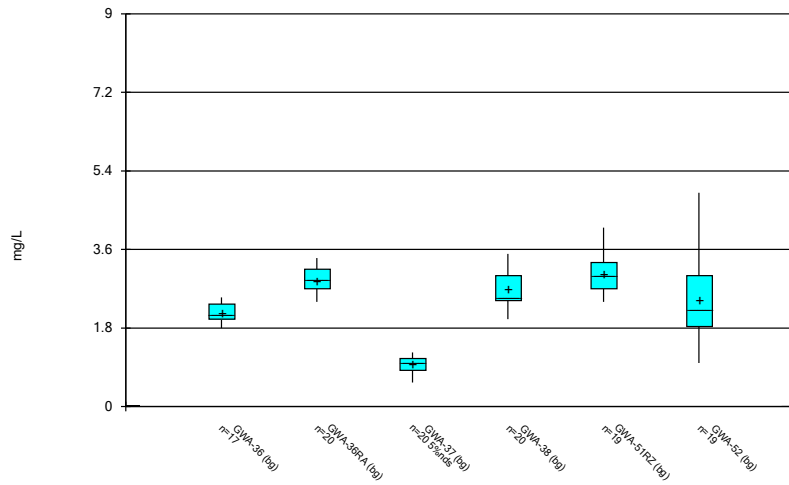
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



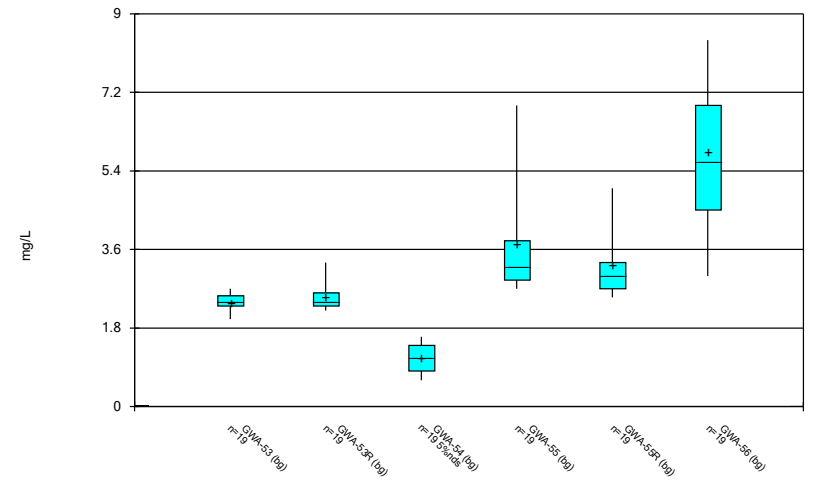
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



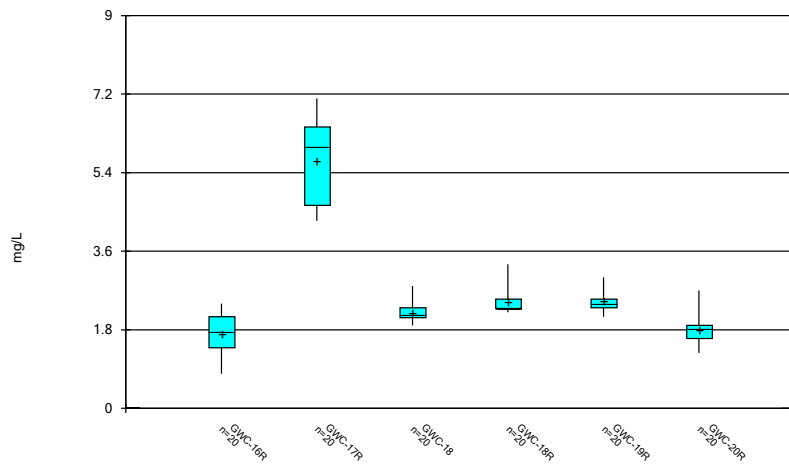
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



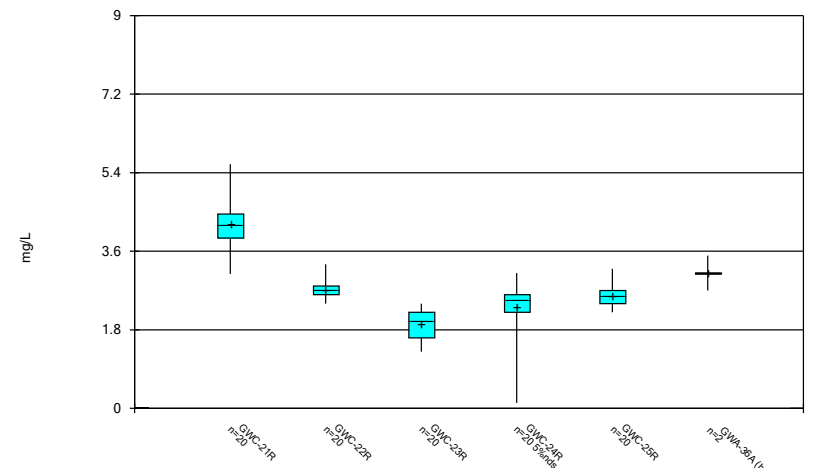
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



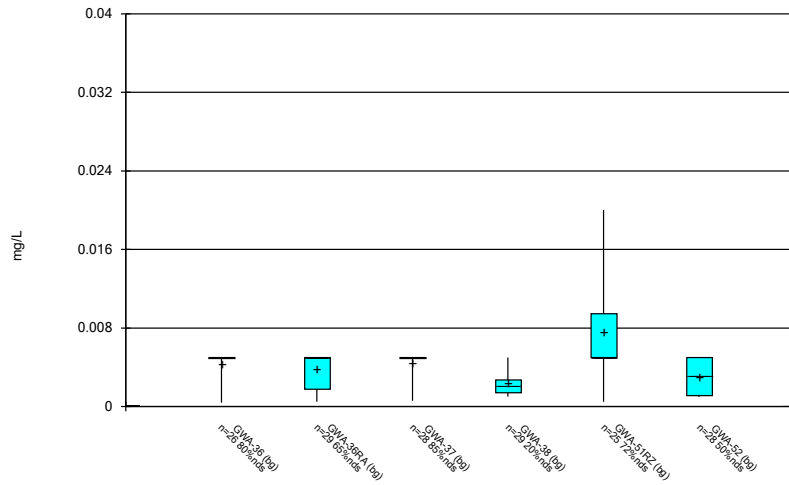
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



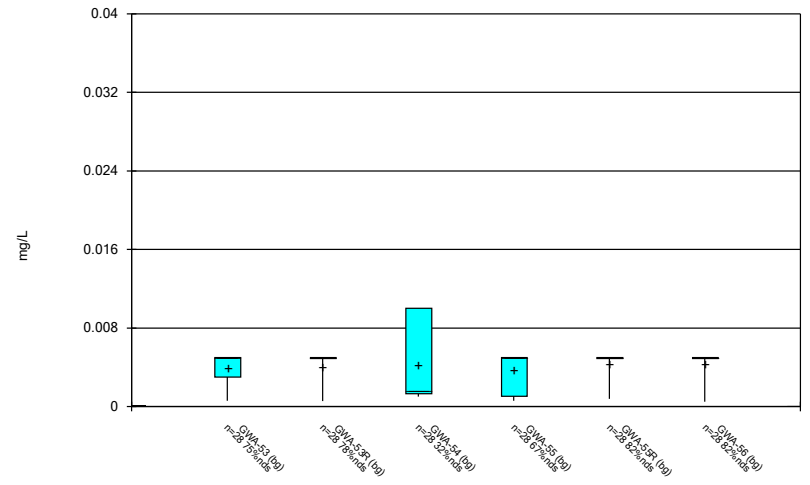
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



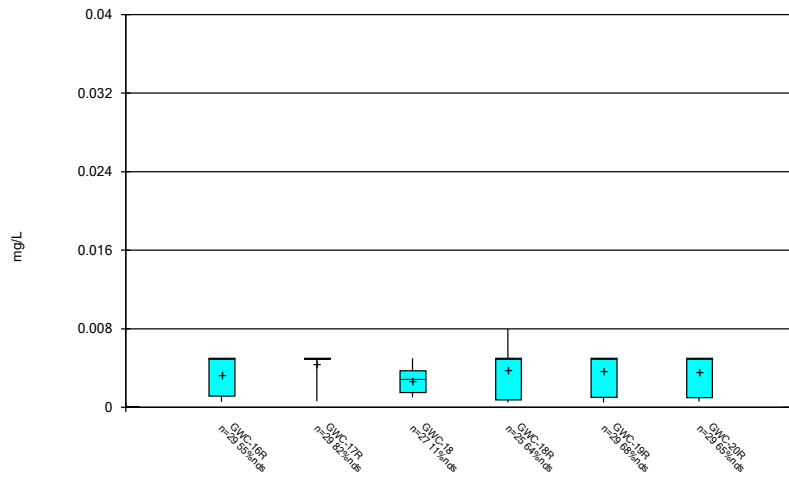
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



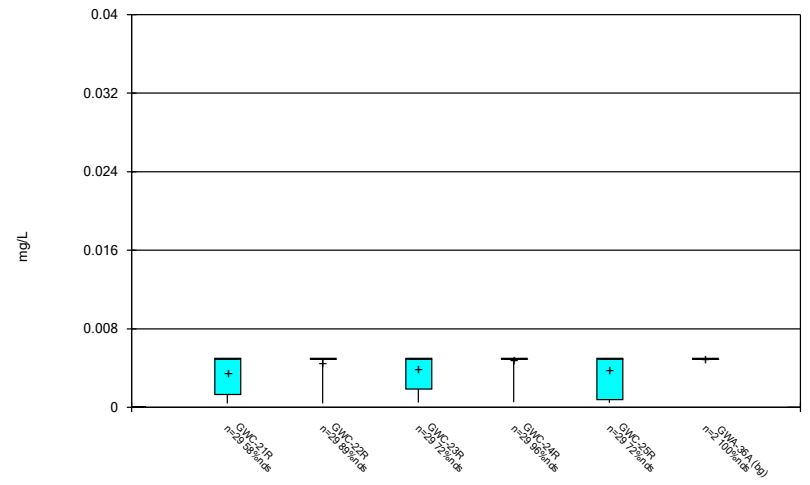
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Box & Whiskers Plot



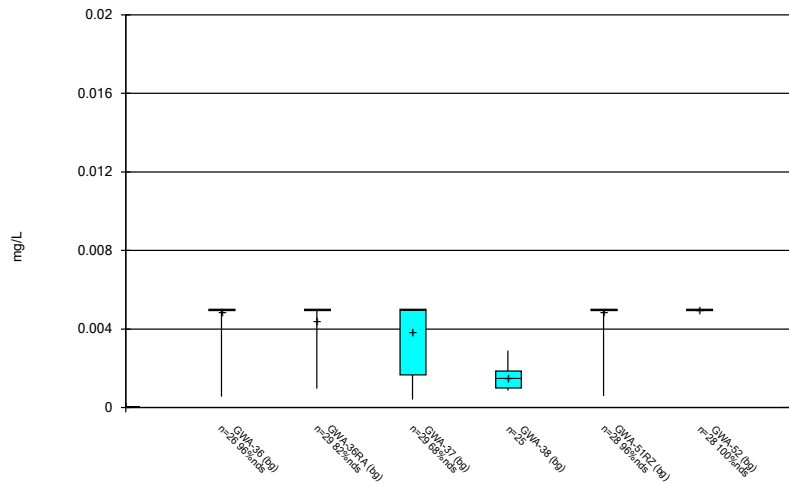
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Box & Whiskers Plot



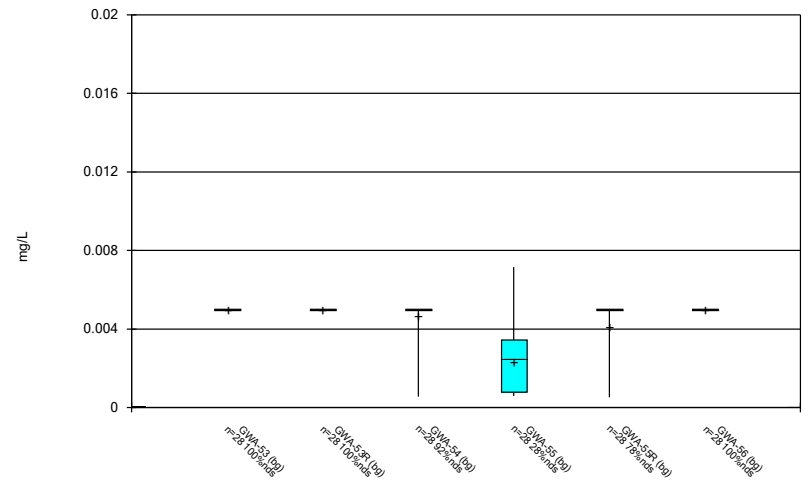
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Box & Whiskers Plot



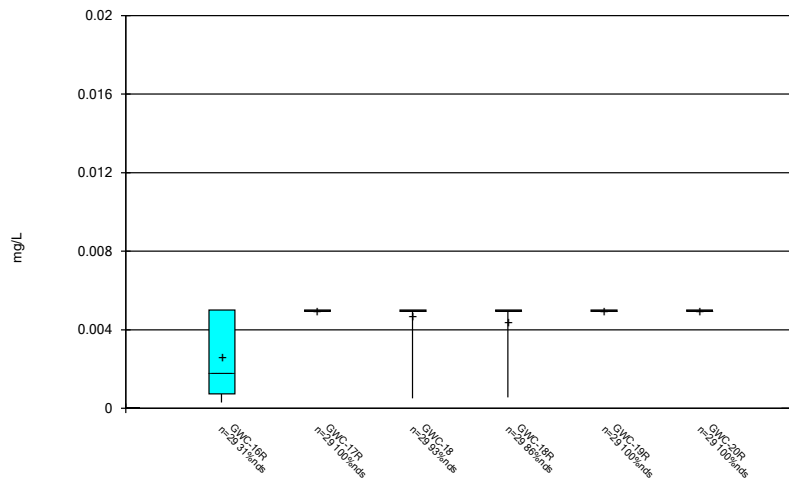
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



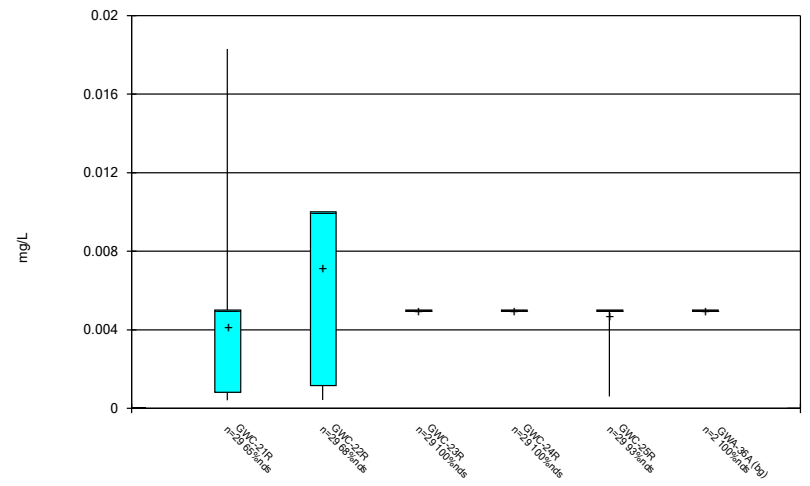
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



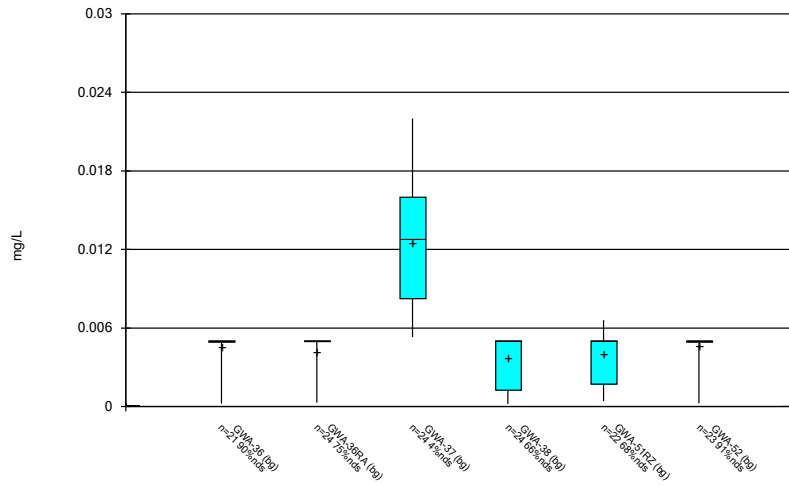
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Box & Whiskers Plot



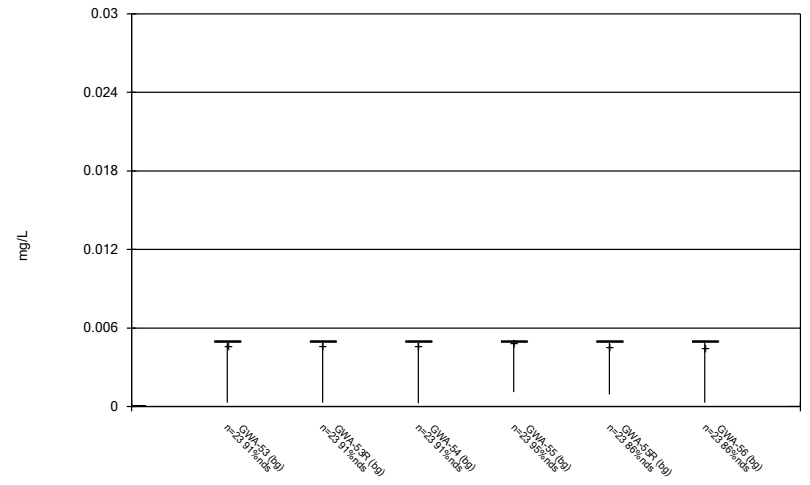
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Box & Whiskers Plot



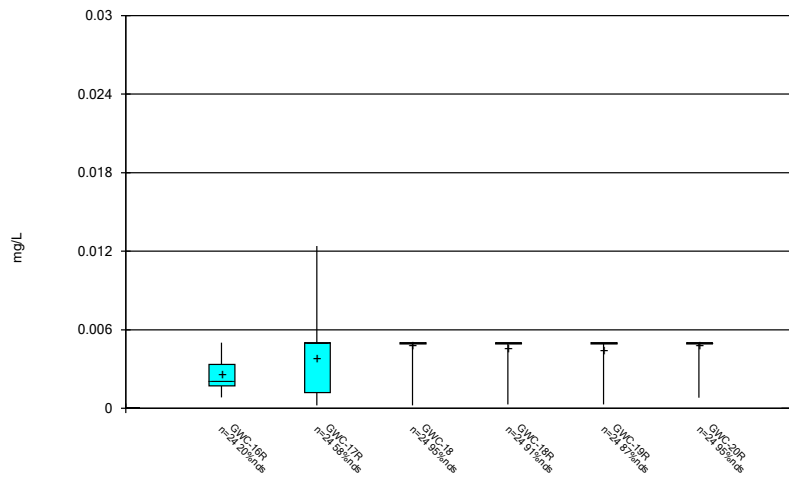
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Box & Whiskers Plot



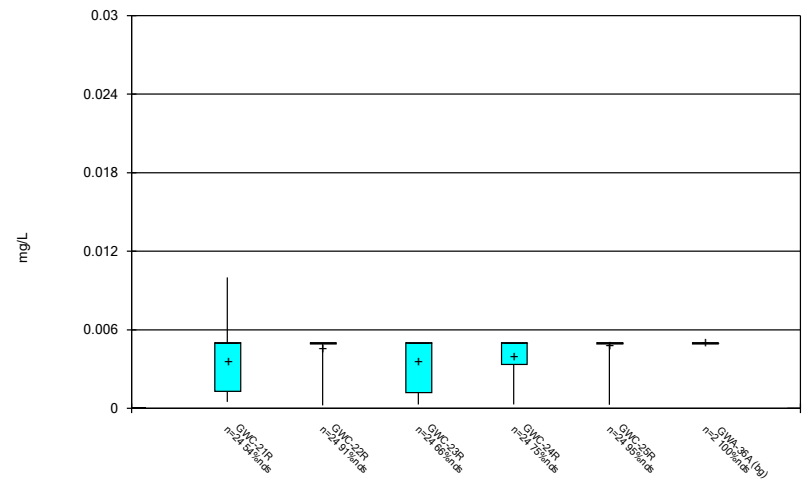
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Box & Whiskers Plot



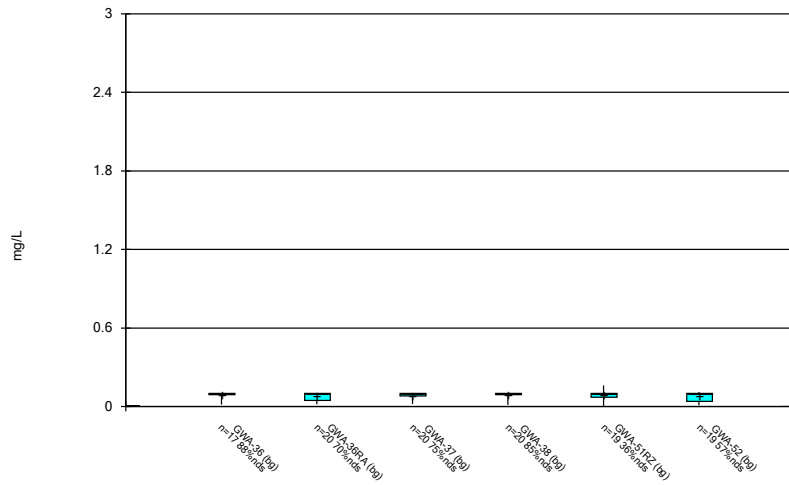
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Box & Whiskers Plot



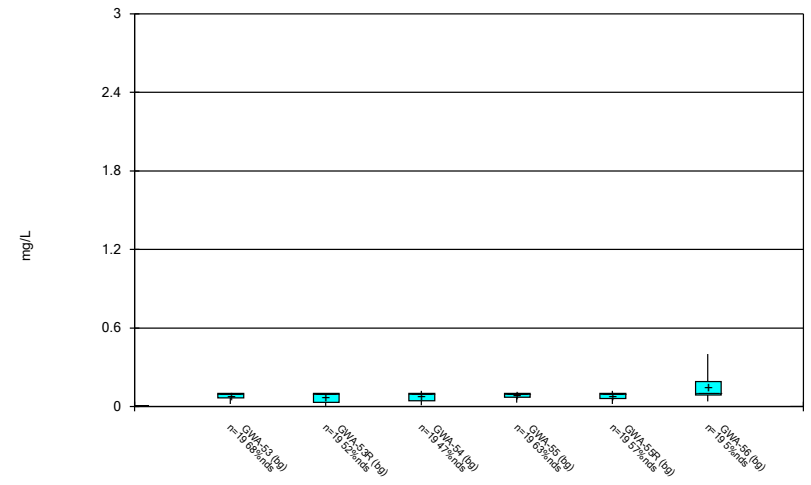
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Box & Whiskers Plot



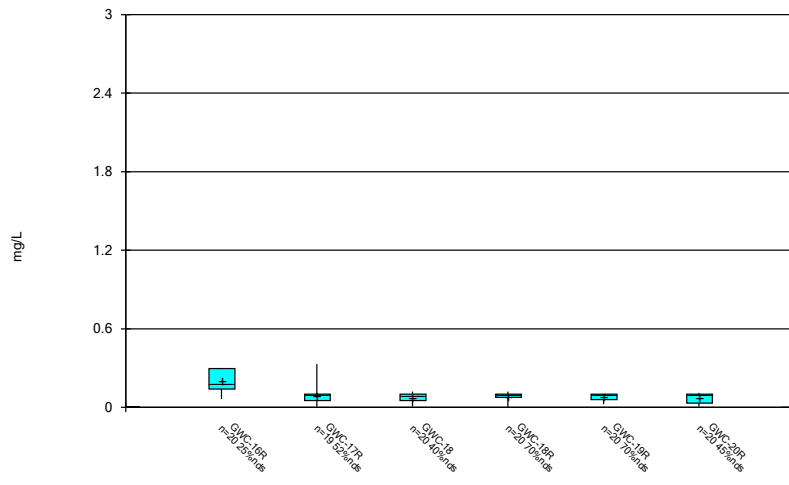
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



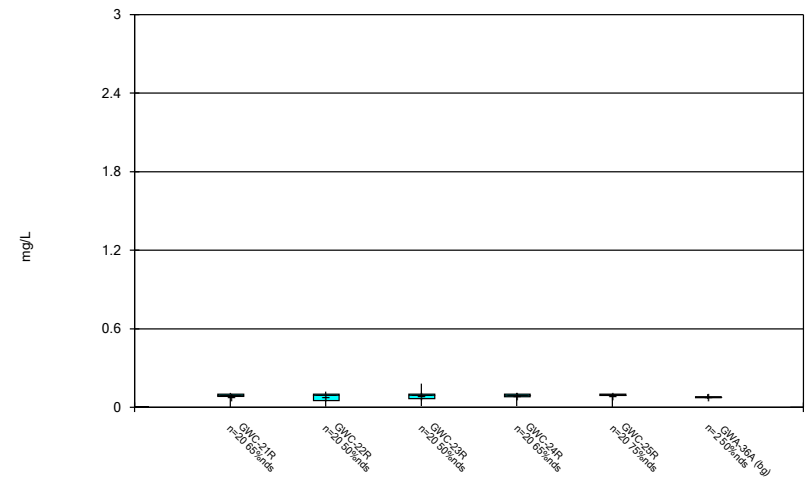
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Box & Whiskers Plot



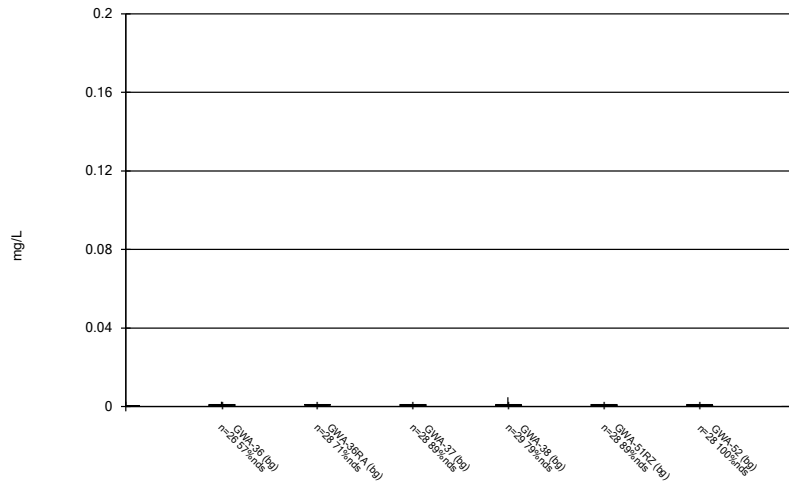
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Box & Whiskers Plot



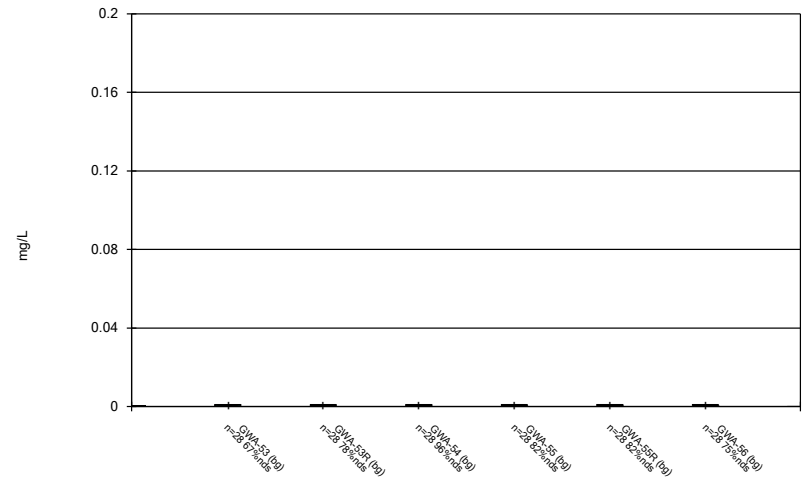
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Box & Whiskers Plot



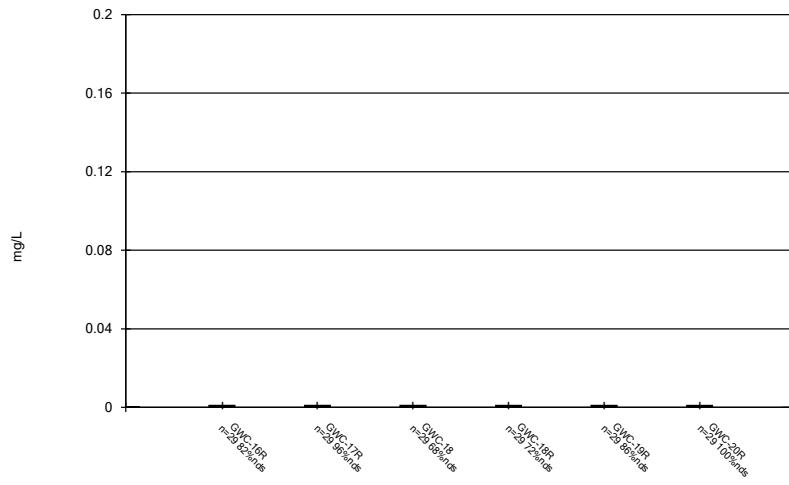
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Box & Whiskers Plot



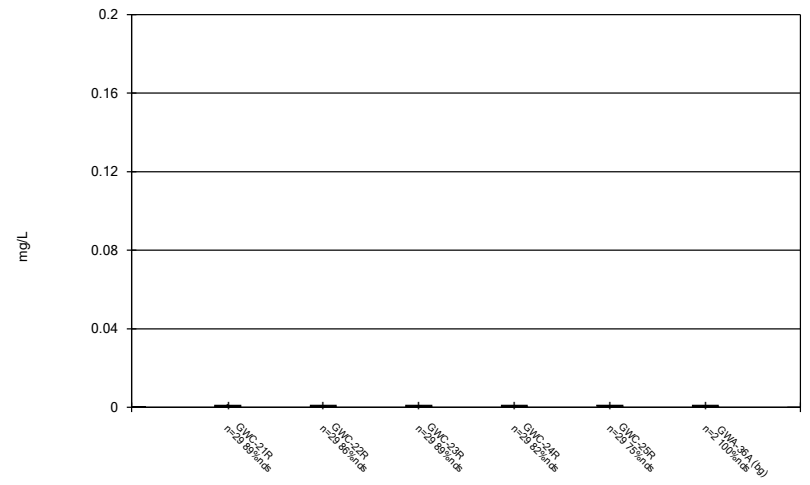
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Box & Whiskers Plot



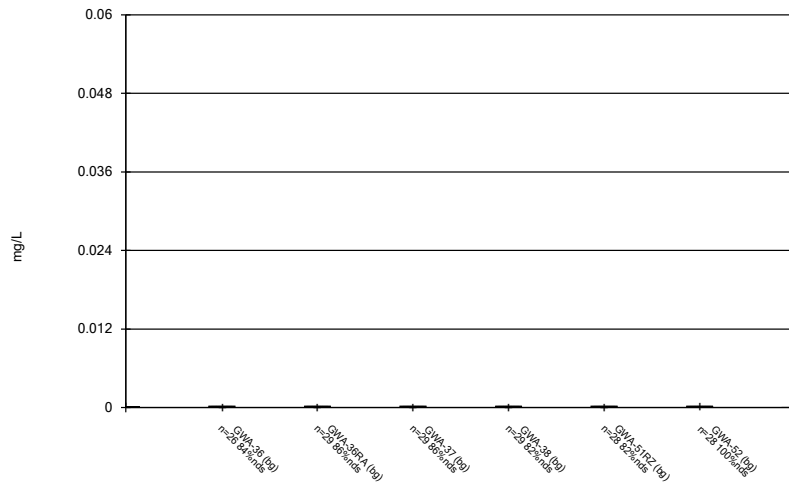
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Box & Whiskers Plot



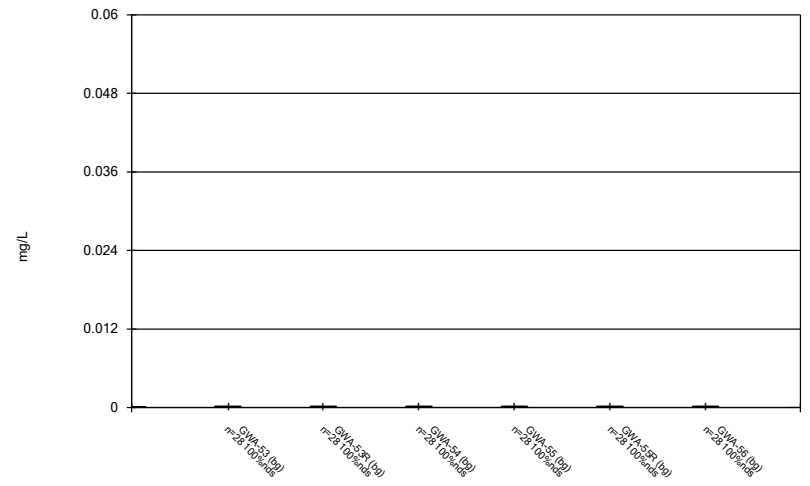
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Box & Whiskers Plot



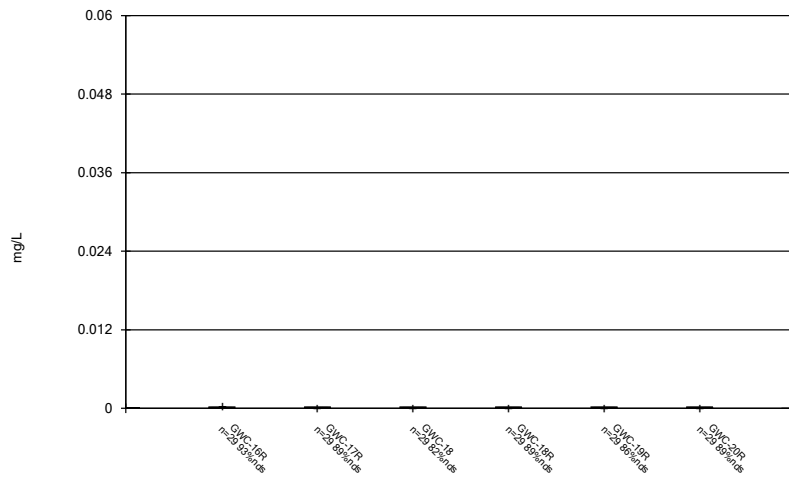
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



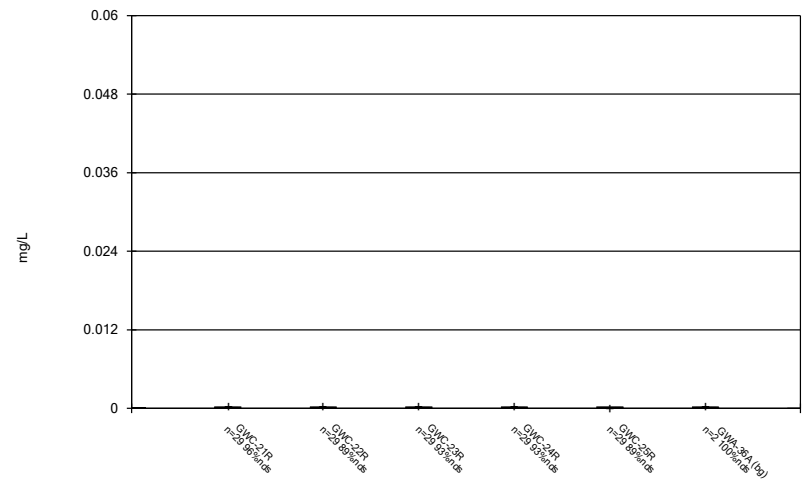
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Box & Whiskers Plot



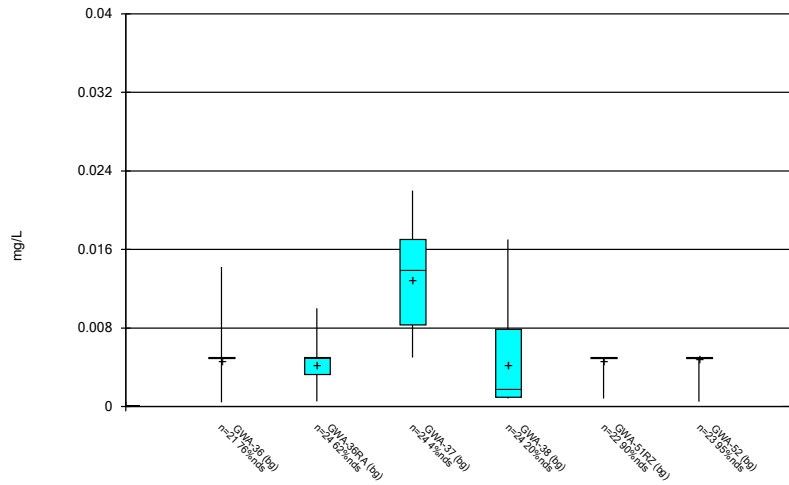
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Box & Whiskers Plot



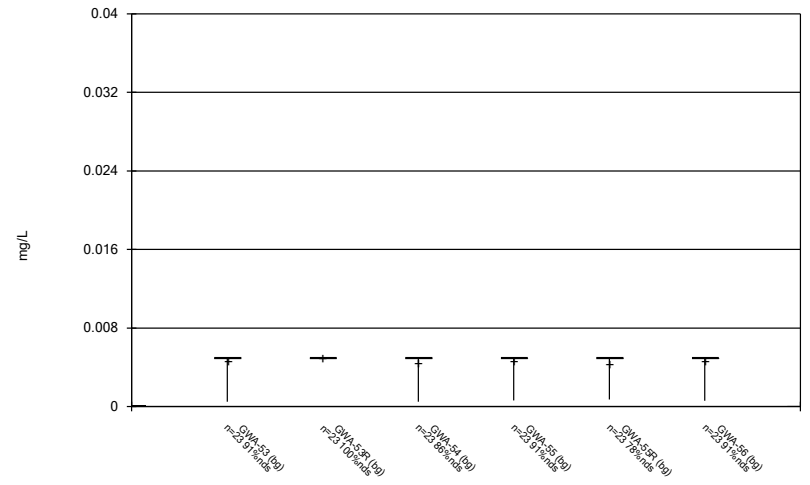
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Box & Whiskers Plot



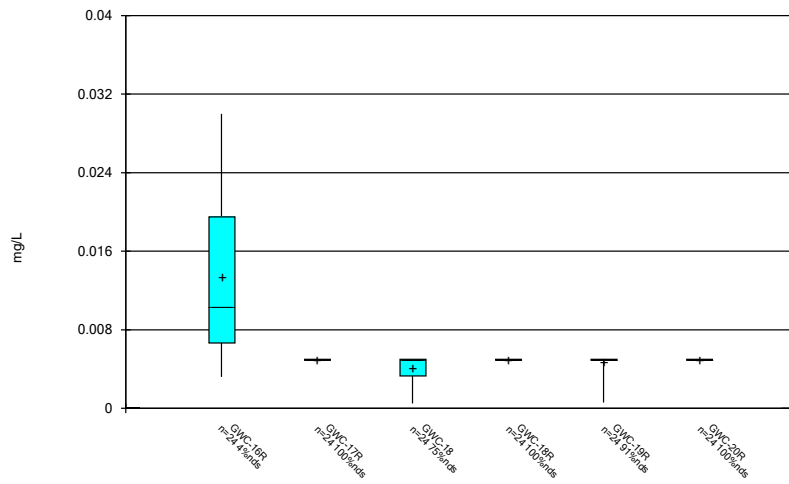
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



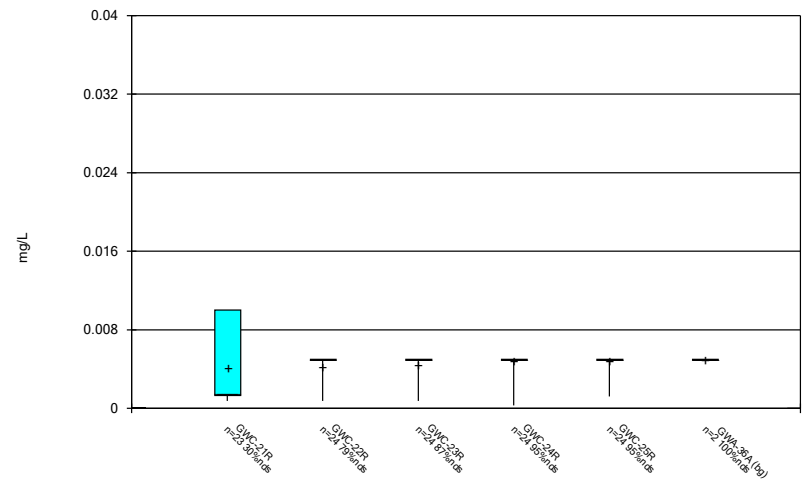
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



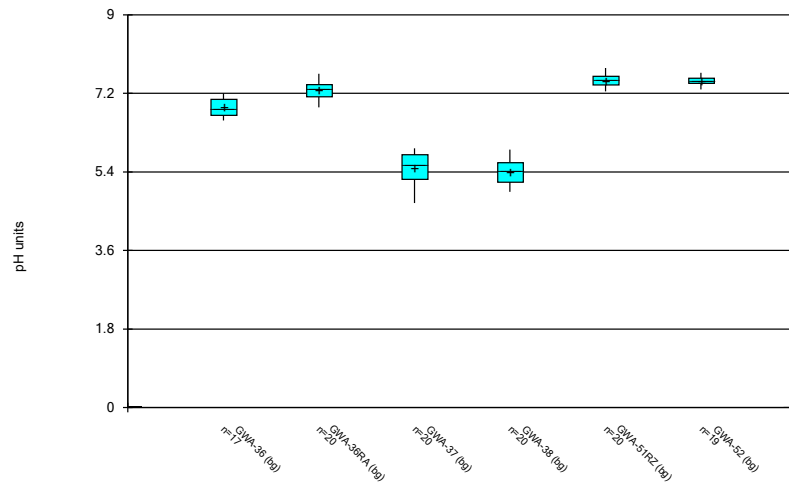
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



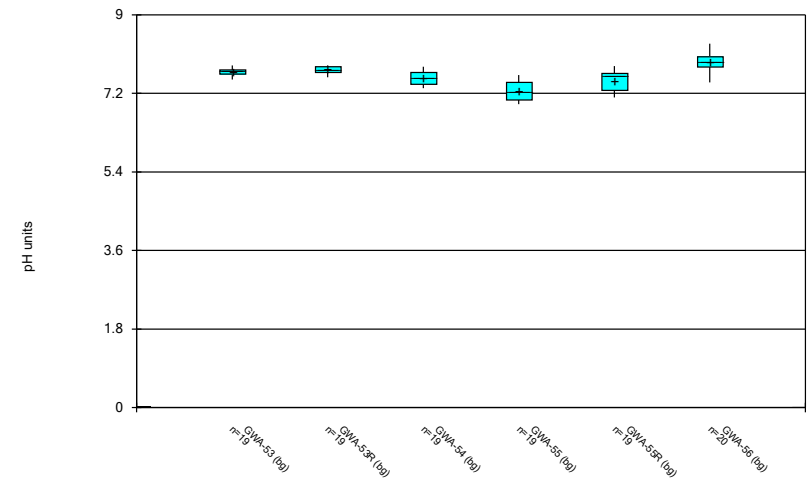
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



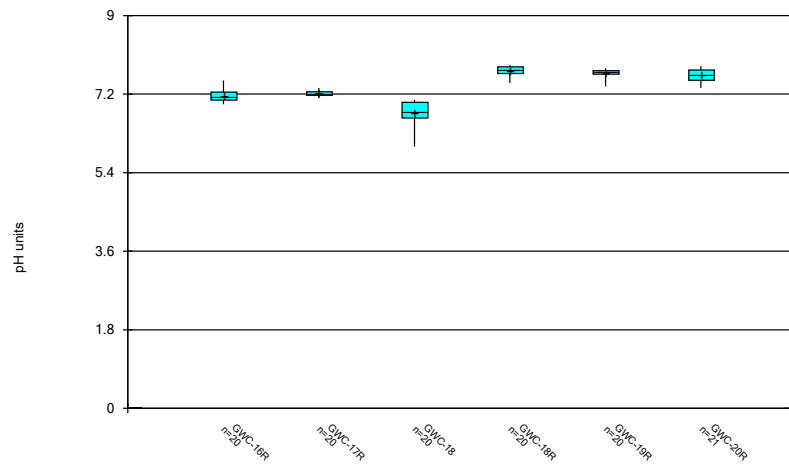
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Box & Whiskers Plot



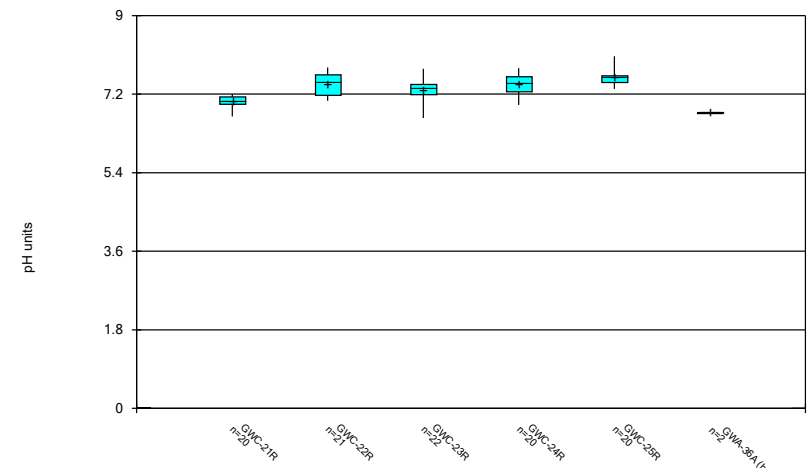
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Box & Whiskers Plot



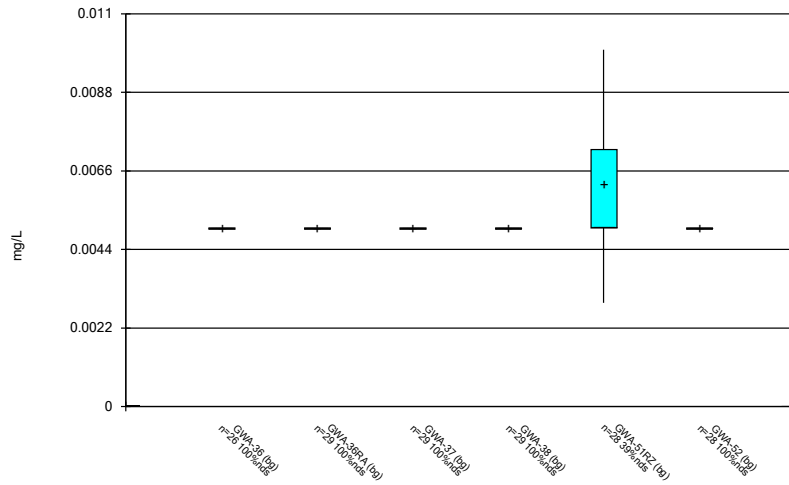
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Box & Whiskers Plot



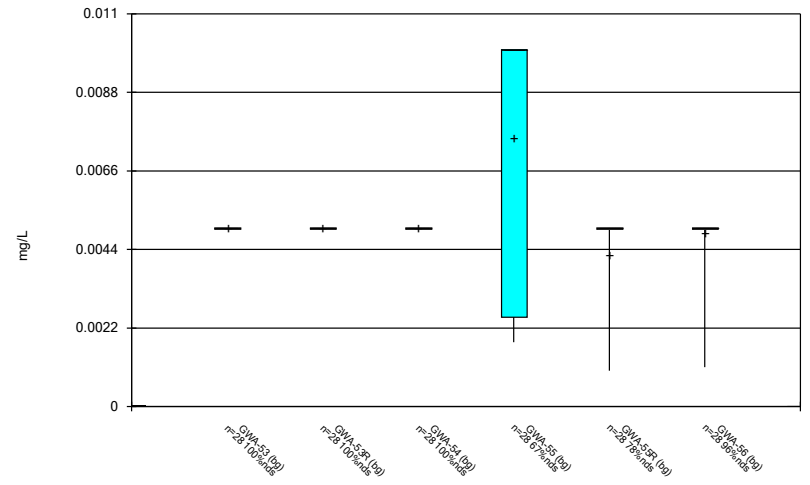
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



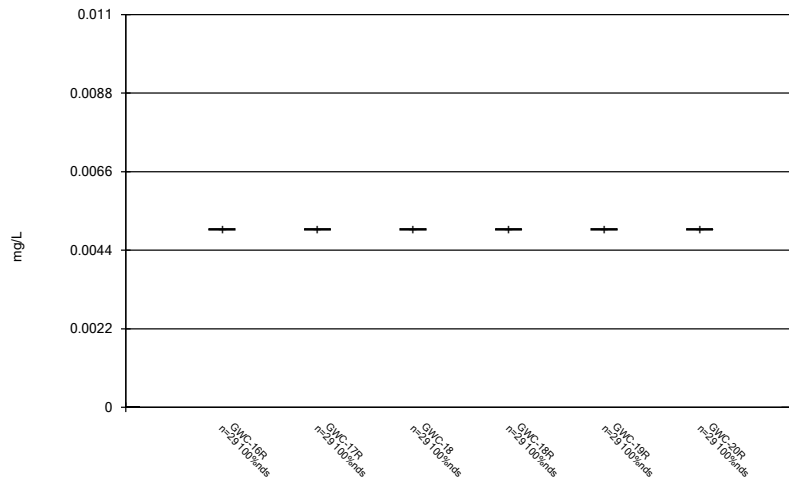
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



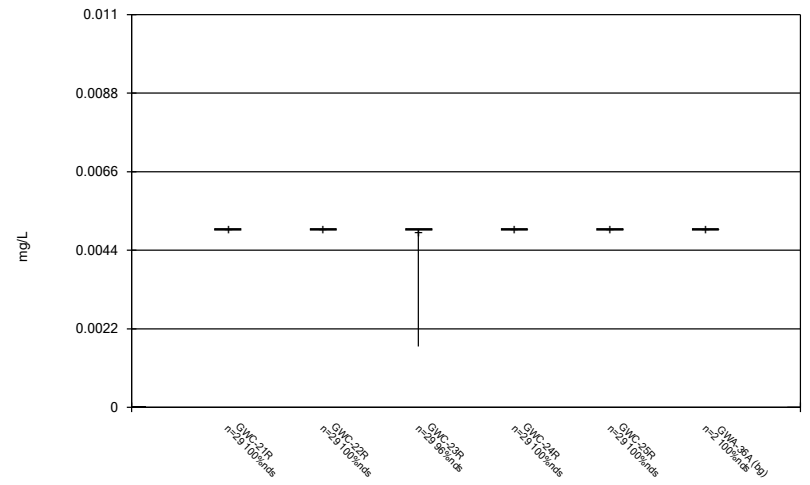
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



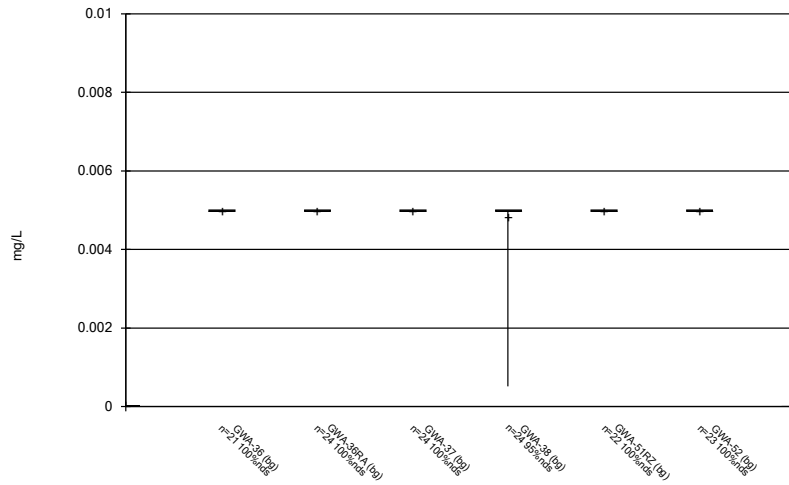
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



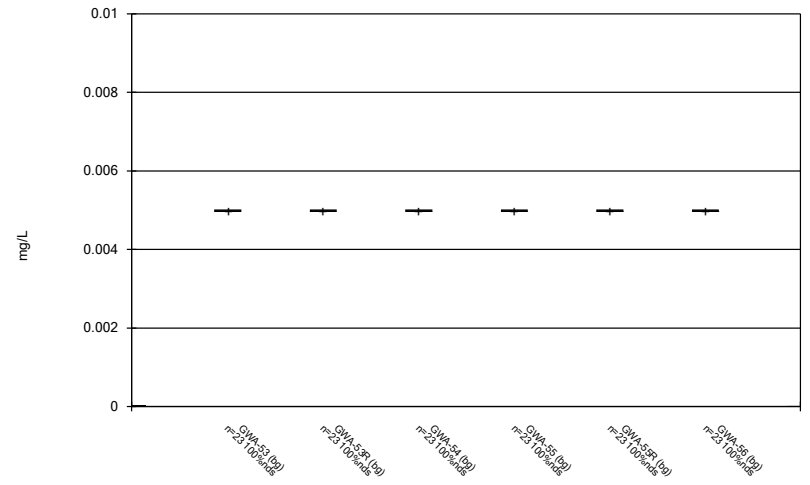
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



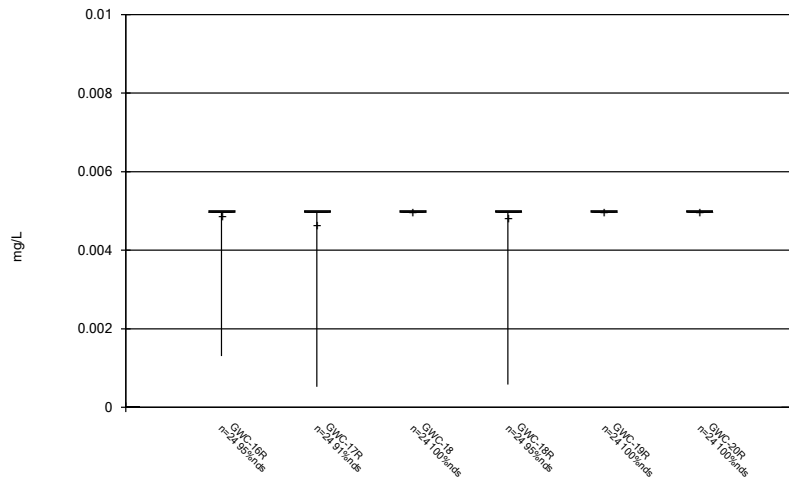
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



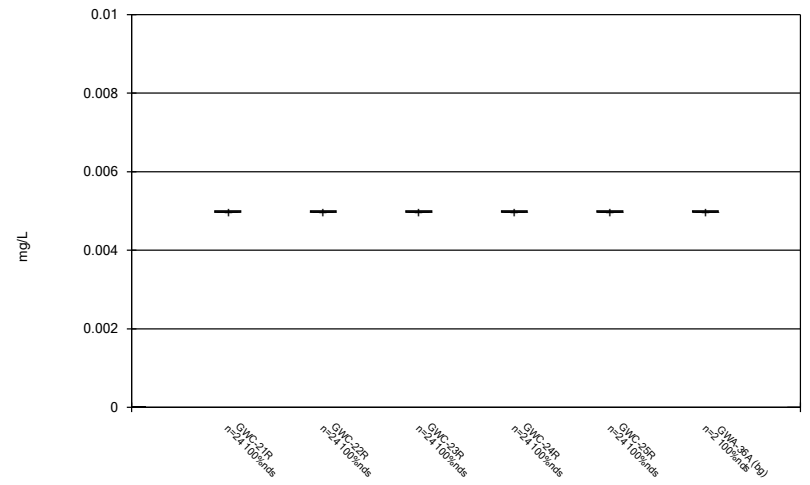
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



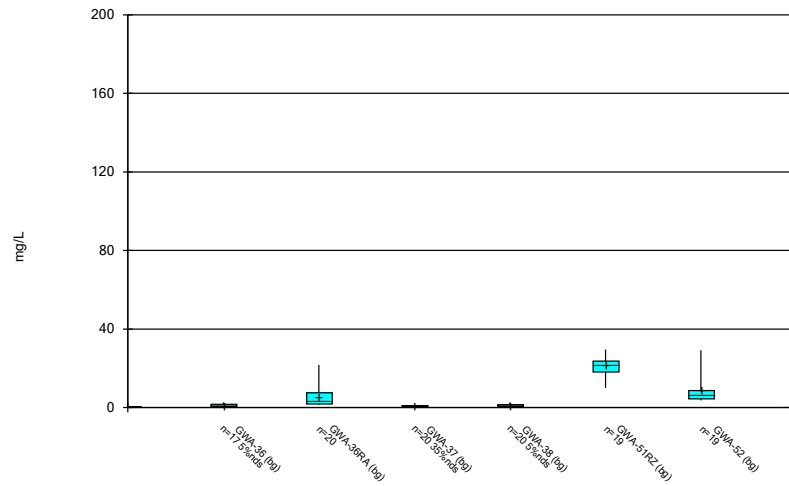
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Box & Whiskers Plot



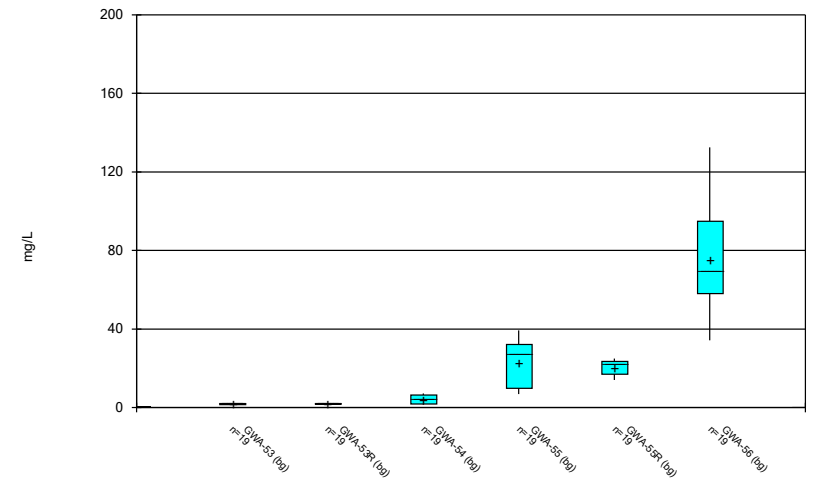
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



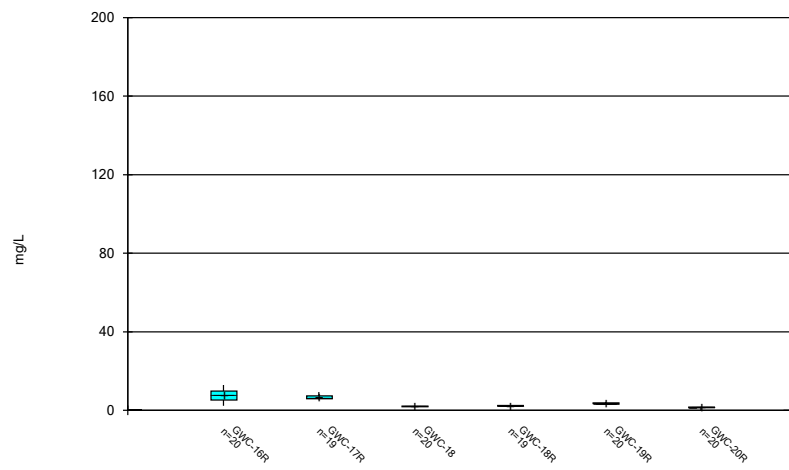
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



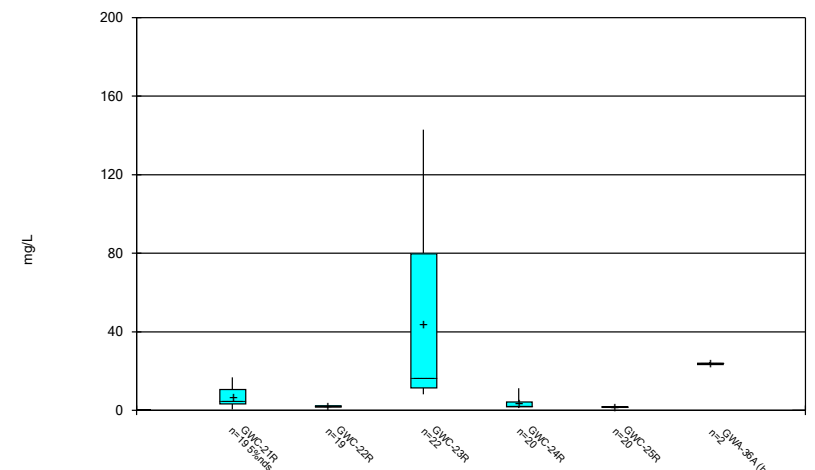
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



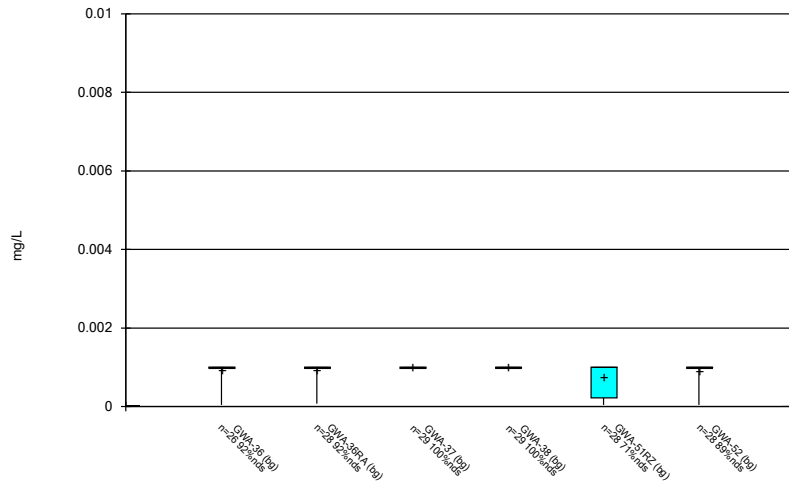
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



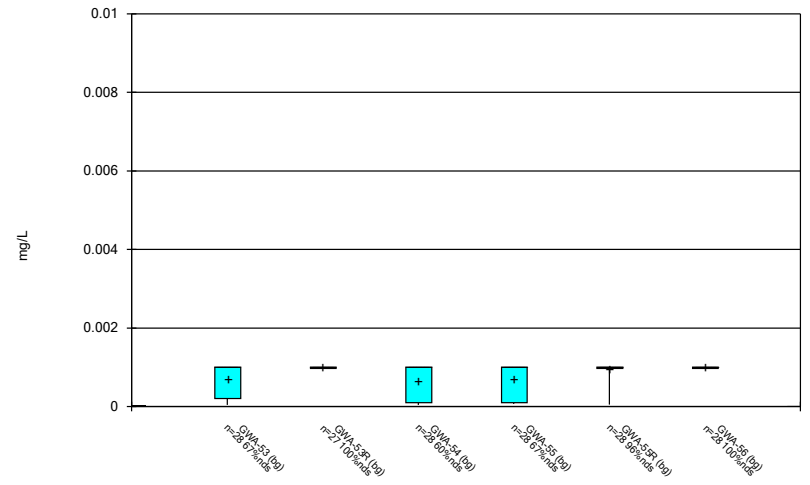
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



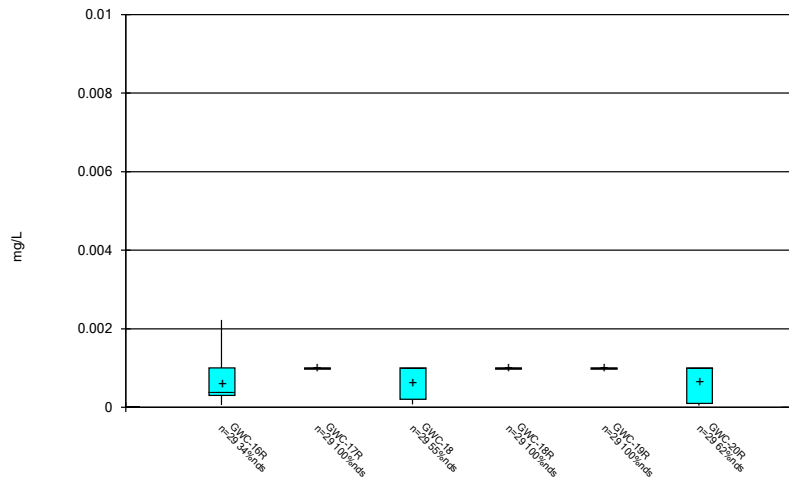
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



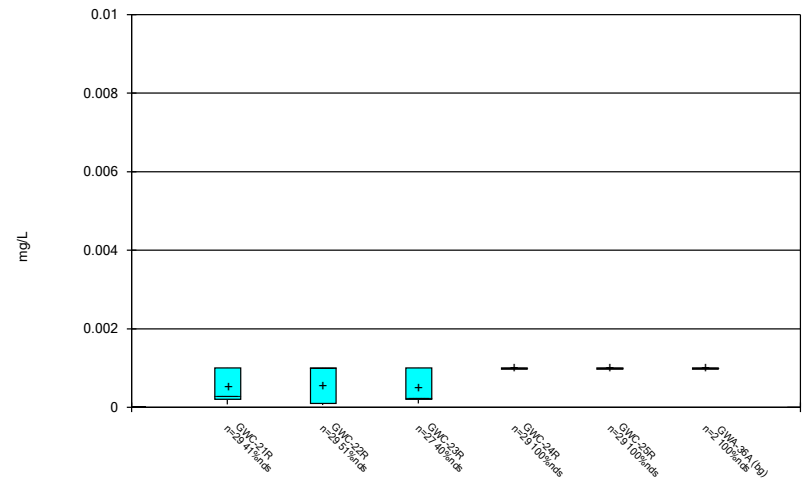
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



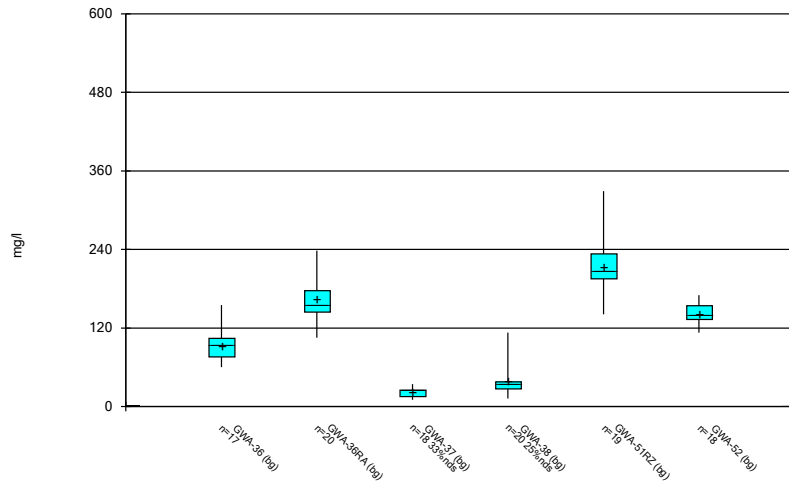
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



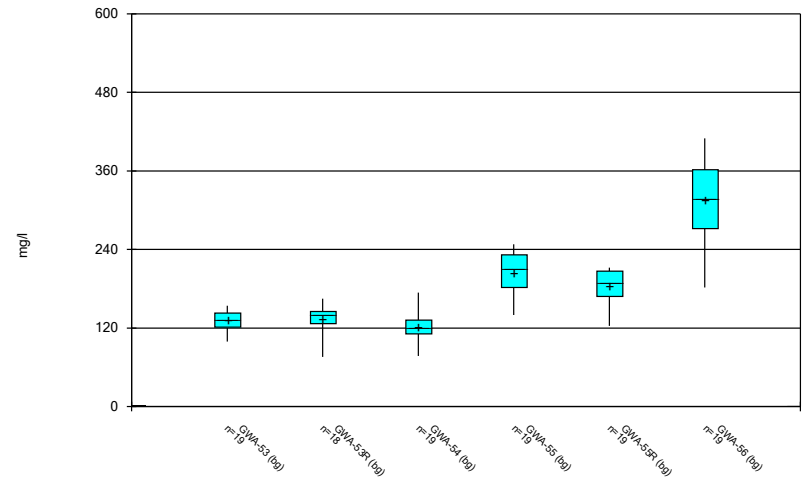
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



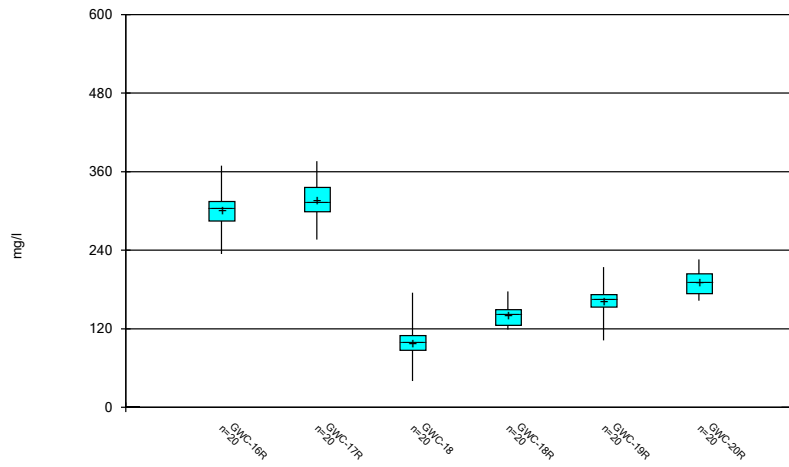
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



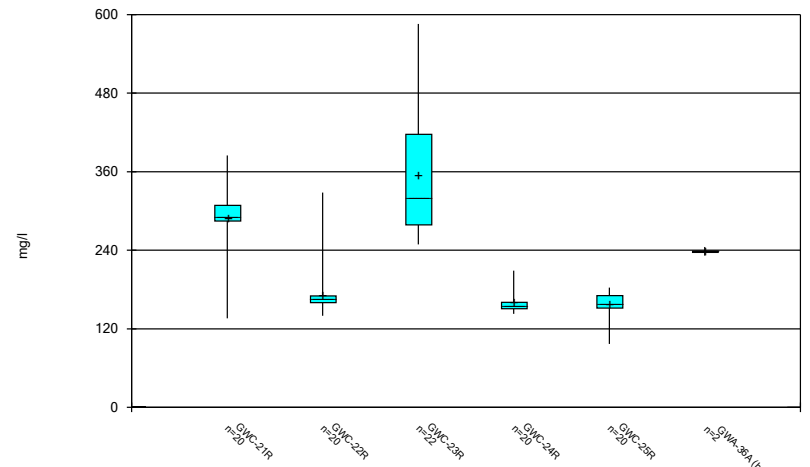
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



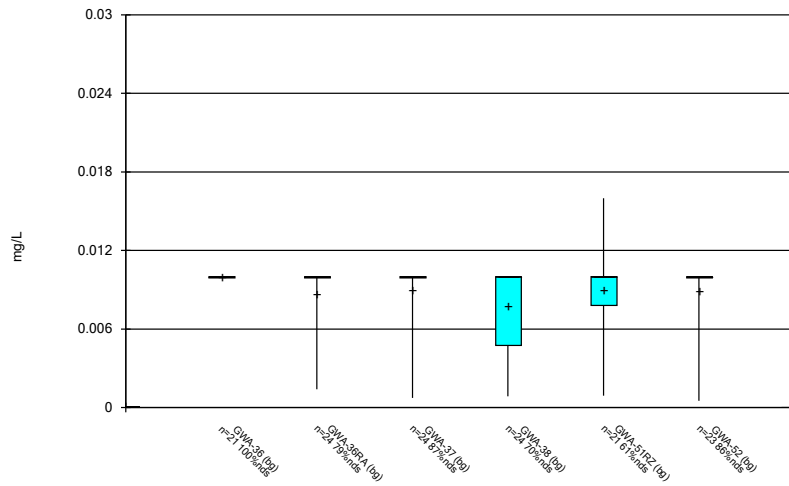
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



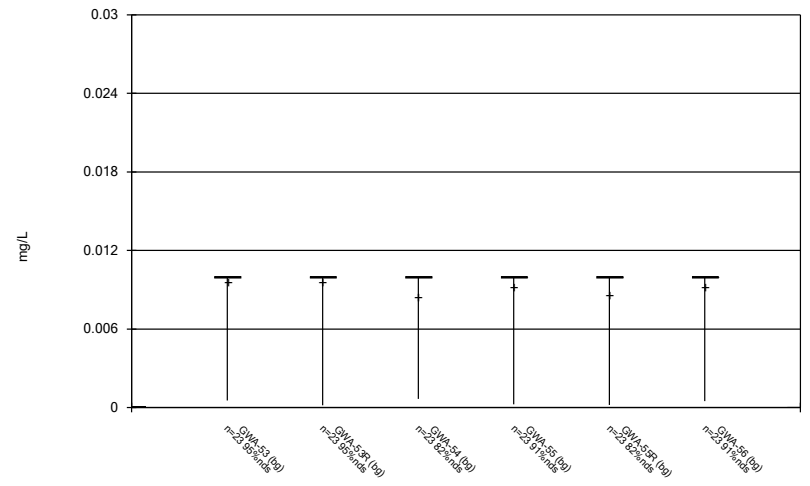
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



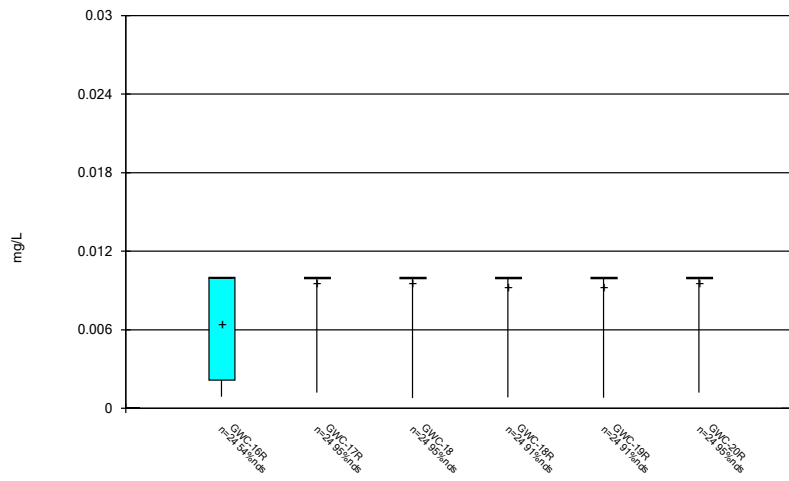
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



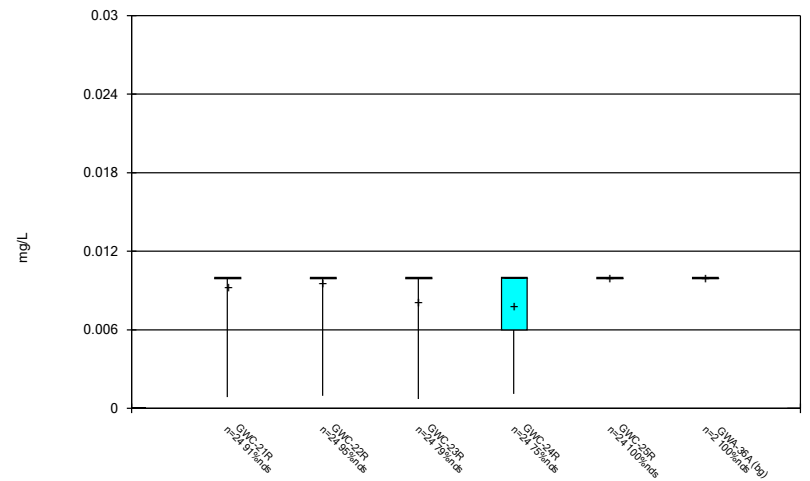
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



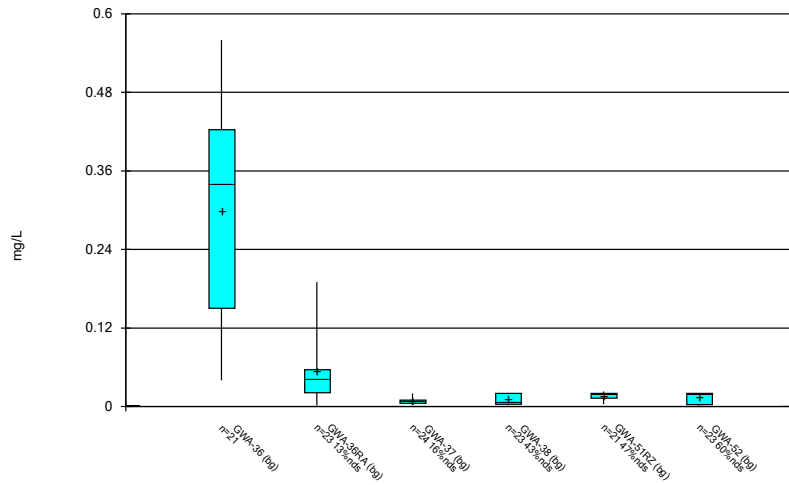
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



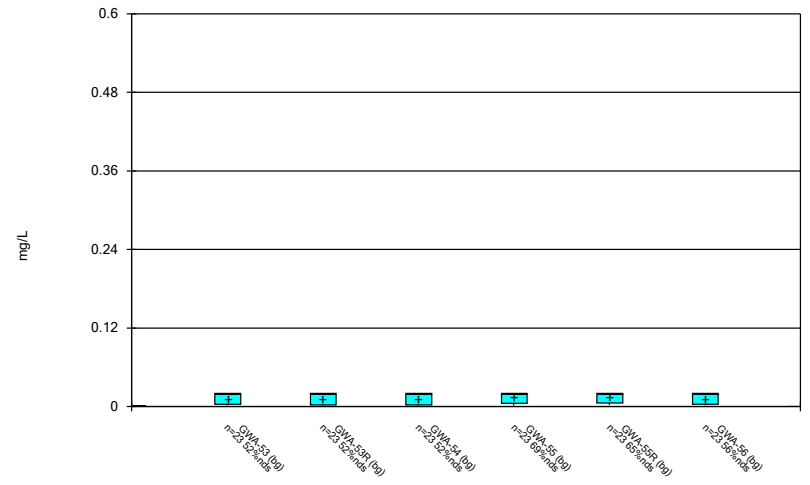
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Box & Whiskers Plot



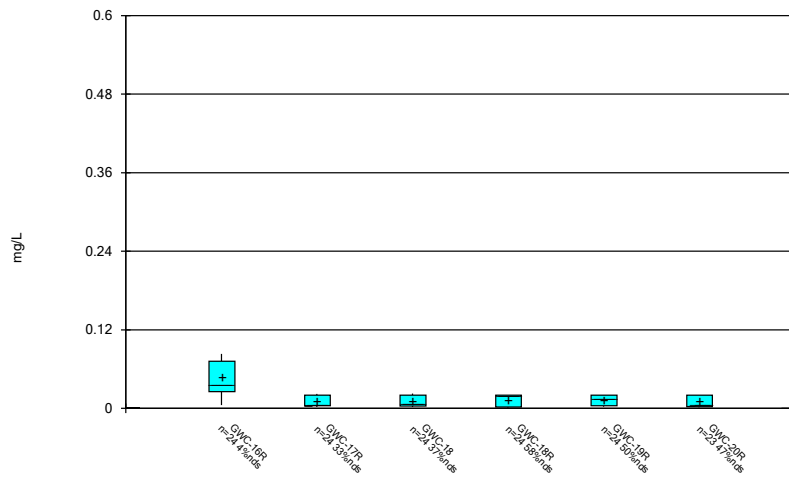
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



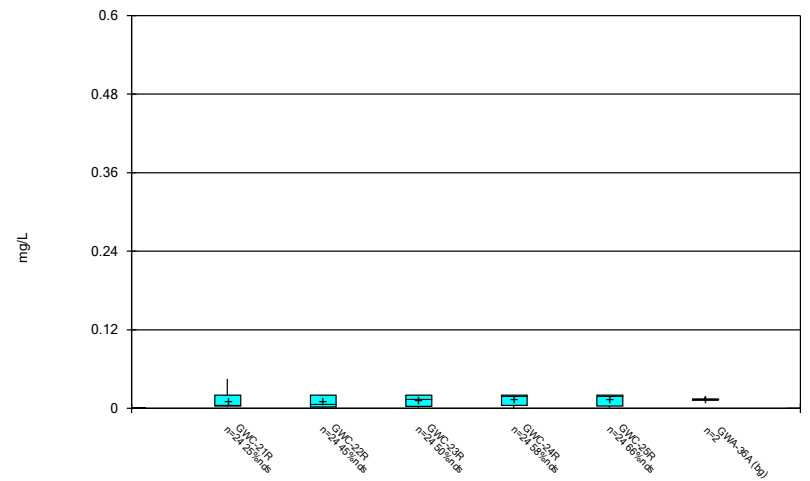
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/22/2023 3:06 PM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/22/2023, 3:11 PM

Date	GWC-17R Sulfate (mg/L)	GWC-21R Sulfate (mg/L)	GWC-23R Thallium (mg/L)	GWA-37 Total Dissolved Solids (mg/l)	GWA-51RZ Vanadium (mg/L)	GWA-36RA Zinc (mg/L)	GWA-38 Zinc (mg/L)	GWA-51RZ Zinc (mg/L)	GWC-20R Zinc (mg/L)
9/15/2014					0.44 (o)				
10/4/2014									
10/21/2014									
11/11/2014									
3/2/2015					0.041 (o)				
3/3/2015									
3/17/2015									
5/8/2015									
5/17/2015							0.12 (o)		
5/25/2015									
8/12/2015				0.0279 (o)					
3/2/2016									
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016								0.557 (o)	
3/9/2016		0.0033 (Jo)							
5/3/2016									
7/12/2016									
9/8/2016									
9/13/2016									
1/6/2017				189 (O)					
3/14/2017				90 (o)					
3/23/2017									
3/11/2019									
3/12/2019	25.9 (O)								
7/28/2021									
8/2/2021		21.5 (o)							

FIGURE D.

Appendix I Intrawell Prediction Limits - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36RA	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.004519	n/a	2/8/2023	0.0013J	No	26	0.00223	0.0009357	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-16R	0.02603	n/a	2/10/2023	0.02	No	26	0.07942	0.03348	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.008799	n/a	2/9/2023	0.0064	No	26	0.06001	0.01382	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.003ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	2/9/2023	0.003ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	25	n/a	n/a	56	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0053	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.0071	n/a	2/9/2023	0.0025J	No	25	n/a	n/a	52	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.003J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.006	n/a	2/10/2023	0.0032J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36RA	0.03814	n/a	2/8/2023	0.038	No	26	0.0232	0.00611	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.01361	n/a	2/8/2023	0.0039J	No	26	0.007654	0.002436	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.0171	n/a	2/8/2023	0.013	No	25	0.1121	0.007602	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.07407	n/a	2/10/2023	0.053	No	26	0.04775	0.01076	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02164	n/a	2/10/2023	0.018	No	25	0.01957	0.0008404	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04773	n/a	2/9/2023	0.016	No	25	0.02719	0.008349	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.01679	n/a	2/9/2023	0.015	No	23	4.1e-8	1.5e-8	4.348	None	x^4	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01836	n/a	2/9/2023	0.015	No	25	0.01594	0.0009874	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03538	n/a	2/10/2023	0.031	No	26	0.02974	0.002305	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.04026	n/a	2/9/2023	0.031	No	26	0.02498	0.006248	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-22R	0.06902	n/a	2/9/2023	0.04	No	26	0.03979	0.01195	3.846	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	2/10/2023	0.038	No	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03243	n/a	2/9/2023	0.018	No	25	0.02258	0.004006	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.018	n/a	2/9/2023	0.016	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36RA	0.0032	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	42.31	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	2/8/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	2/9/2023	0.00015J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	2/9/2023	0.003ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	2/10/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36RA	0.0006434	n/a	2/8/2023	0.0005ND	No	26	-8.6	0.5115	30.77	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-37	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0005	n/a	2/8/2023	0.0005ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0005	n/a	2/9/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.0012J	No	26	n/a	n/a	19.23	n/a	n/a	0.002667	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results (No Significant) ^{Page 2}

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.0011J	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.00595	n/a	2/9/2023	0.0015J	No	24	0.002869	0.001242	12.5	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.008	n/a	2/9/2023	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	2/9/2023	0.0017J	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	2/8/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.003071	n/a	2/8/2023	0.001J	No	22	0.001593	0.0005858	0	None	No	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	23.08	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.00043J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36RA	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.0231	n/a	2/8/2023	0.011	No	16	0.01075	0.004559	6.25	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.004119	n/a	2/10/2023	0.0012J	No	21	0.04187	0.008771	19.05	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWC-17R	0.0124	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0047	n/a	2/8/2023	0.001ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.0016	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36RA	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0002	n/a	2/8/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

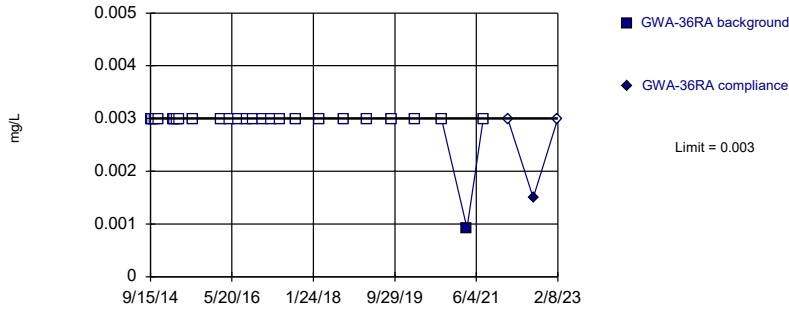
Appendix I Intrawell Prediction Limits - All Results (No Significant) ^{Page 3}

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:23 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-21R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0002	n/a	2/10/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0002	n/a	2/9/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02736	n/a	2/8/2023	0.012	No	21	0.01298	0.005654	4.762	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWA-38	0.01241	n/a	2/8/2023	0.00091J	No	21	-6.322	0.7598	23.81	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-16R	0.02679	n/a	2/10/2023	0.005	No	17	0.01134	0.005781	5.882	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.0011J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.005	n/a	2/10/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.005	n/a	2/8/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.005	n/a	2/10/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.005	n/a	2/9/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36RA	0.001	n/a	2/8/2023	0.001ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.001104	n/a	2/10/2023	0.001ND	No	26	0.01531	0.007327	26.92	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	2/10/2023	0.001ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	2/9/2023	0.00029J	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	2/9/2023	0.001ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	2/10/2023	0.001ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36RA	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	2/8/2023	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	2/10/2023	0.003J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	2/10/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	2/9/2023	0.01ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36RA	0.2229	n/a	2/8/2023	0.0086J	No	20	0.2283	0.09508	5	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01868	n/a	2/8/2023	0.02ND	No	21	0.08422	0.02062	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.02	n/a	2/8/2023	0.02ND	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.1436	n/a	2/10/2023	0.017J	No	21	0.2147	0.06456	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	42.86	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	2/10/2023	0.02ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.045	n/a	2/9/2023	0.012J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	2/10/2023	0.02ND	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	2/9/2023	0.02ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

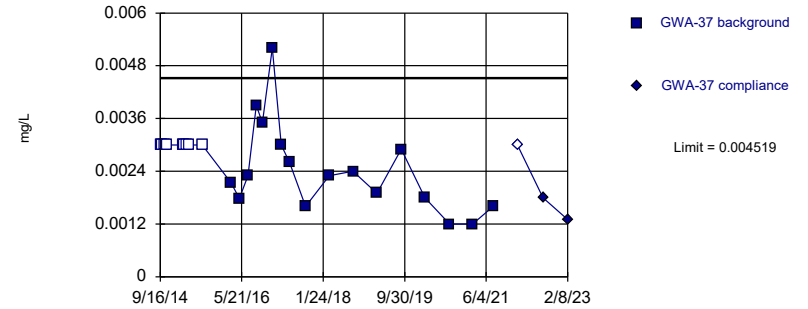


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

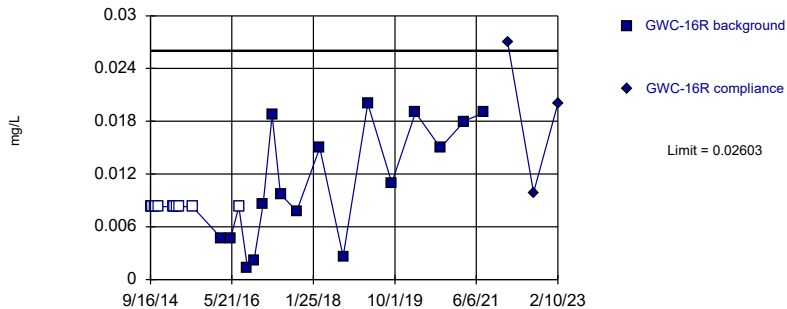


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00223, Std. Dev.=0.0009357, n=26, 34.62% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9094, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

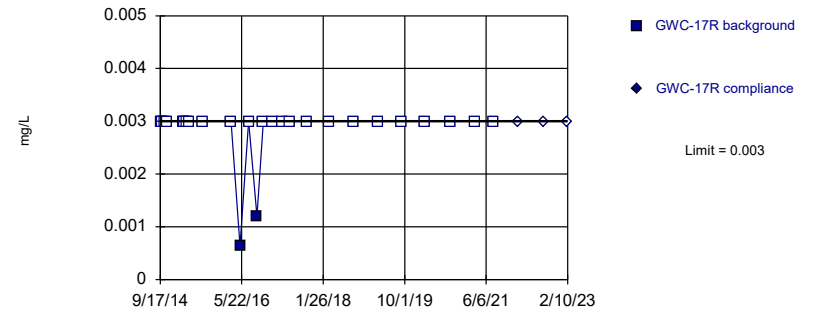


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07942, Std. Dev.=0.03348, n=26, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

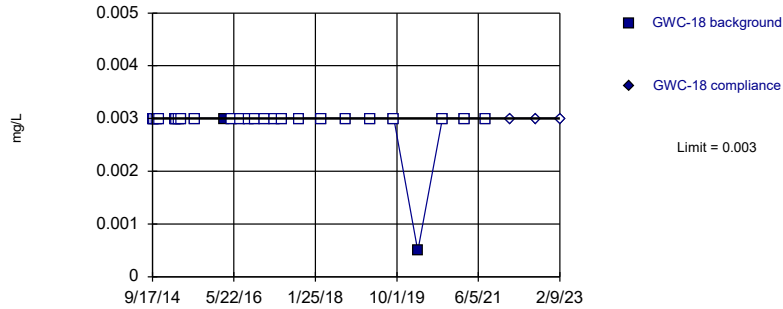


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

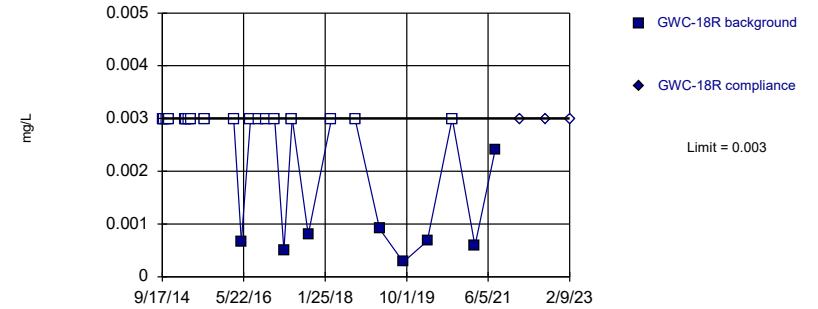


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

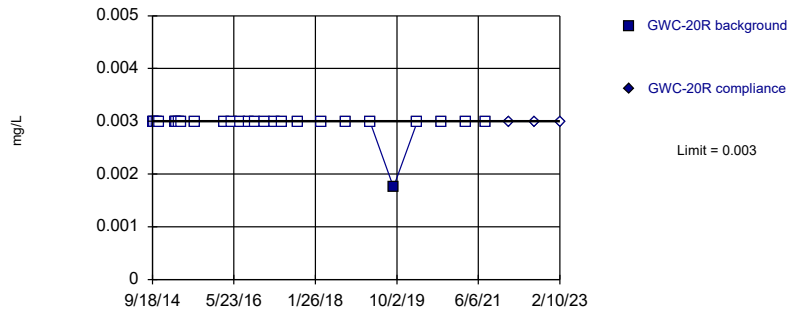


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

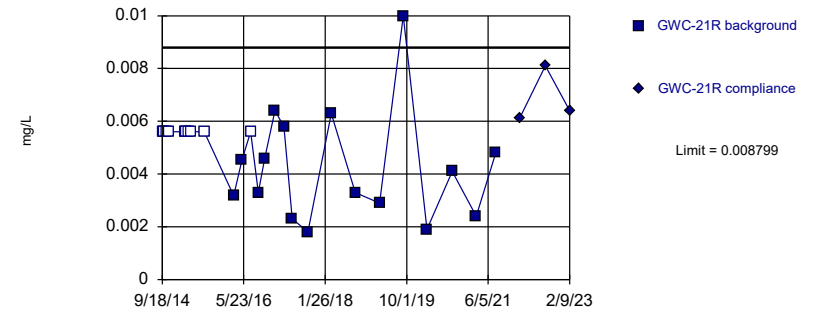


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

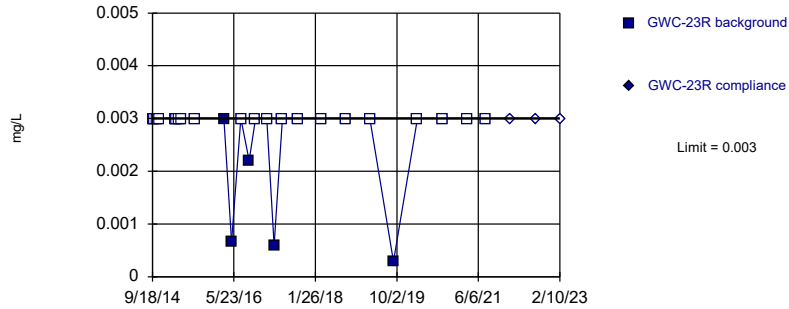


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06001, Std. Dev.=0.01382, n=26, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

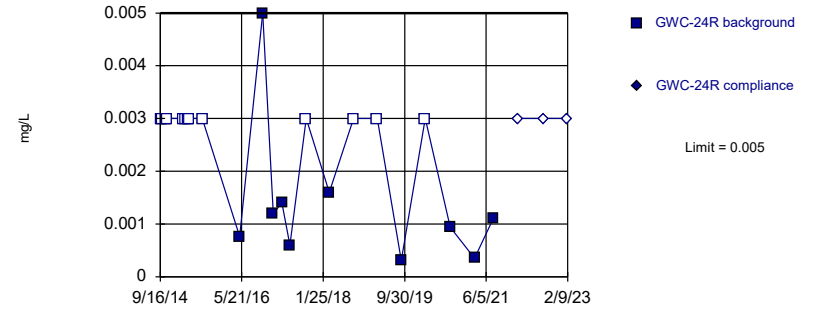


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

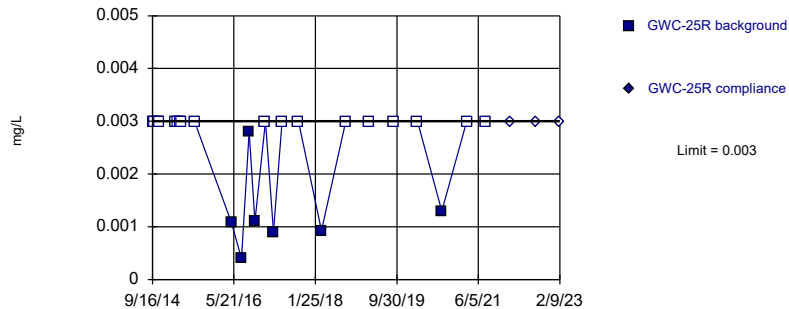


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

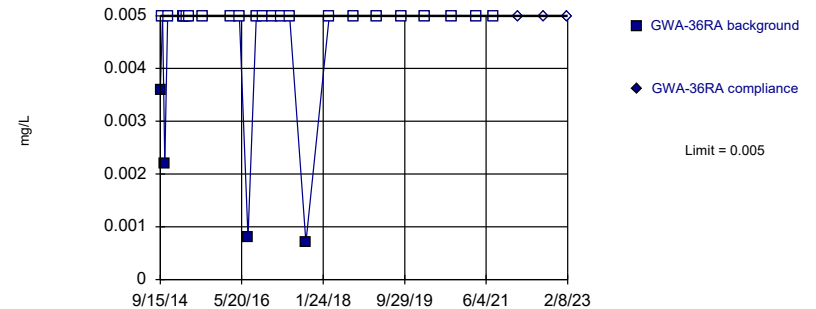


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

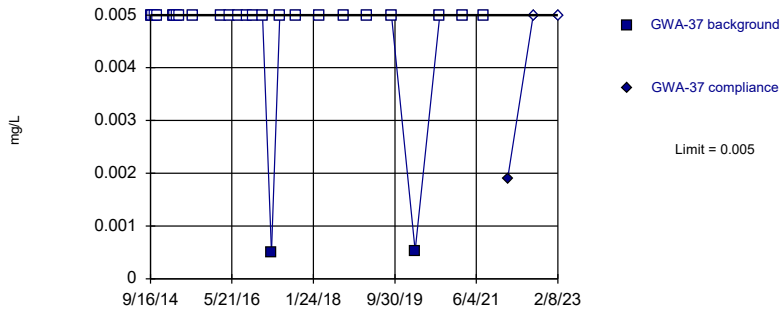


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

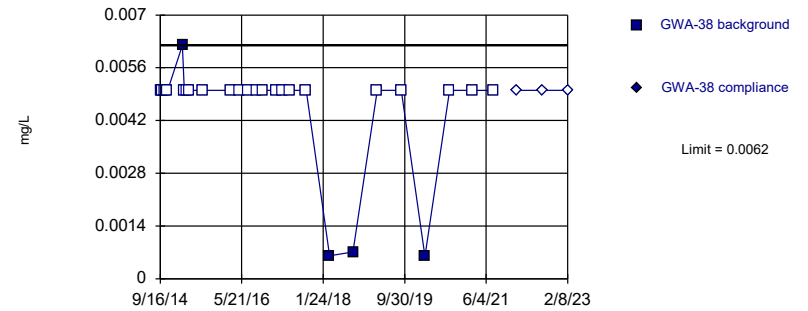


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

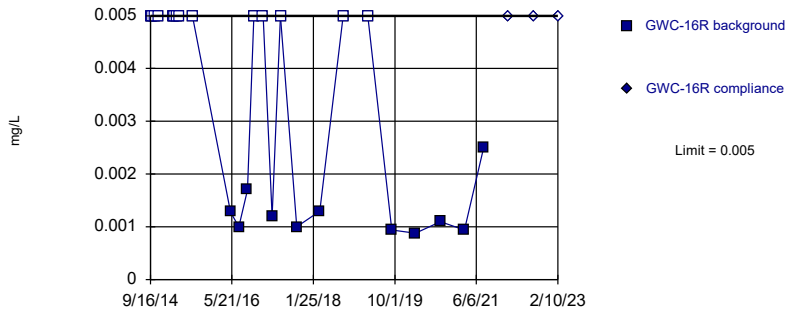


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

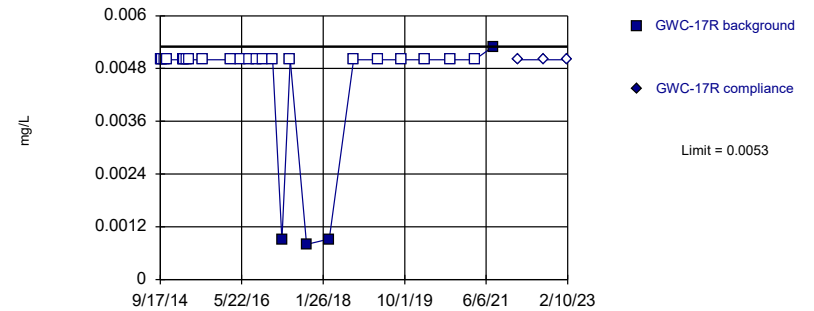


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 56% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

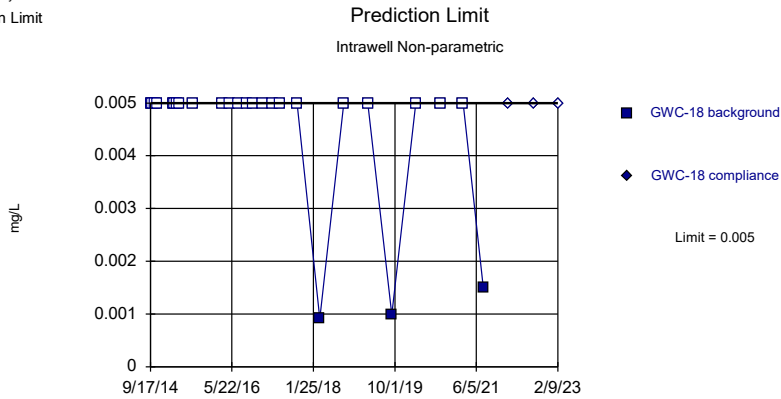
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

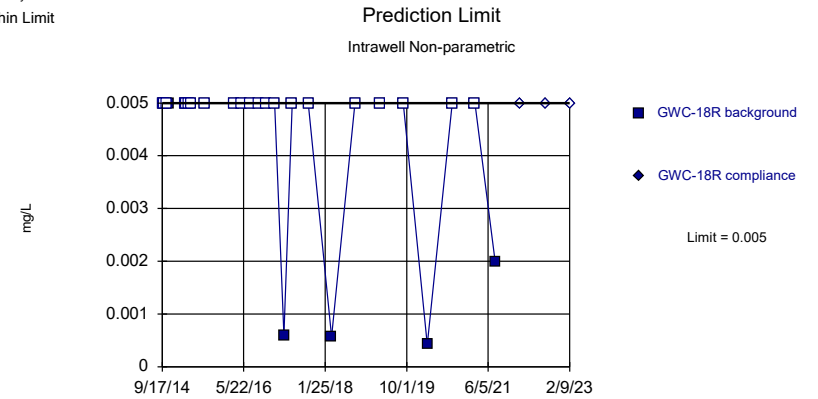
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

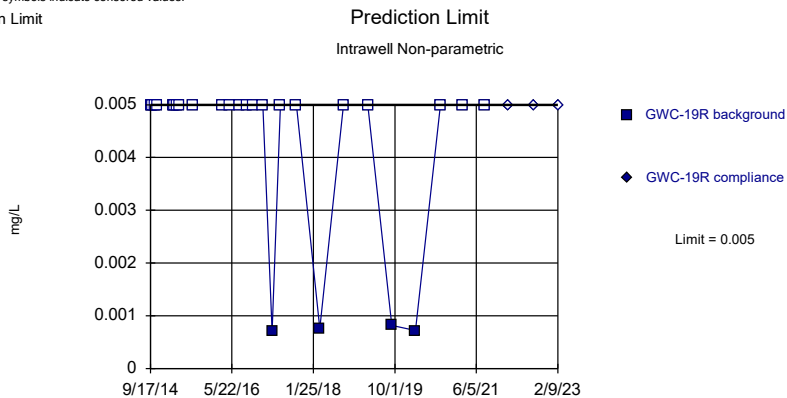
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

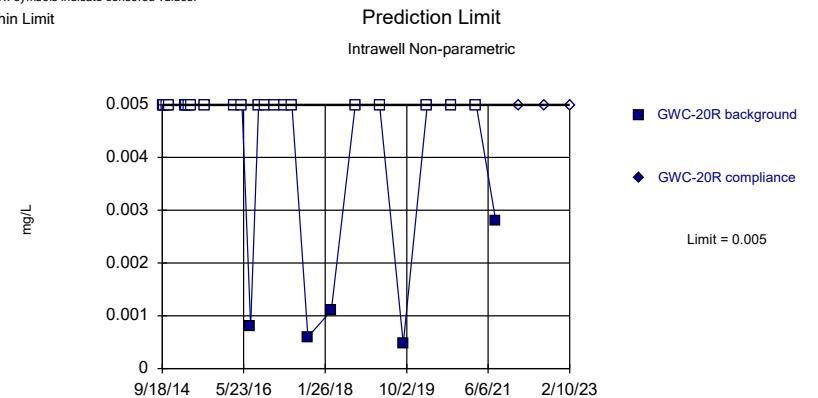
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

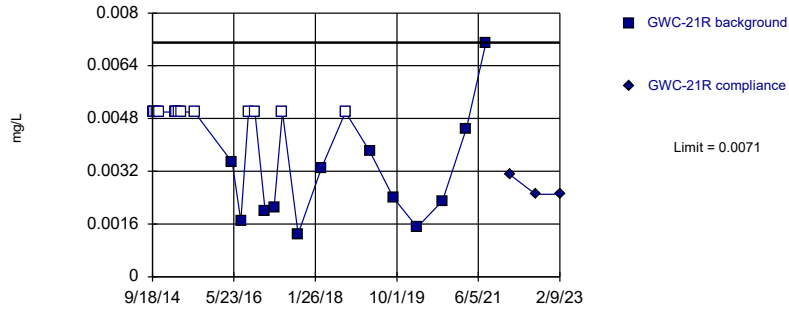


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

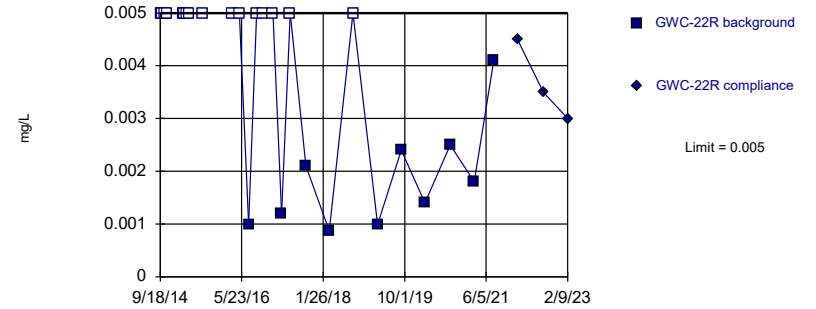


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 52% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

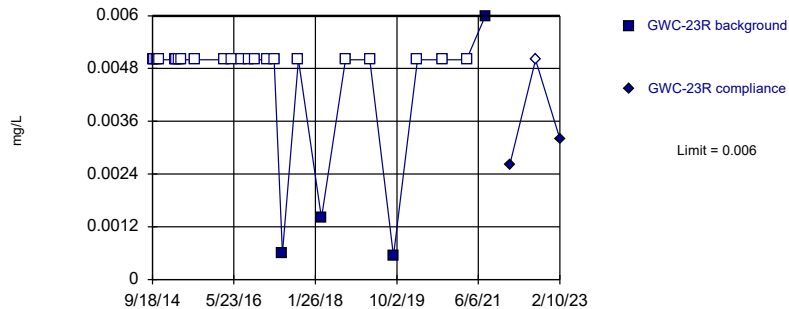


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

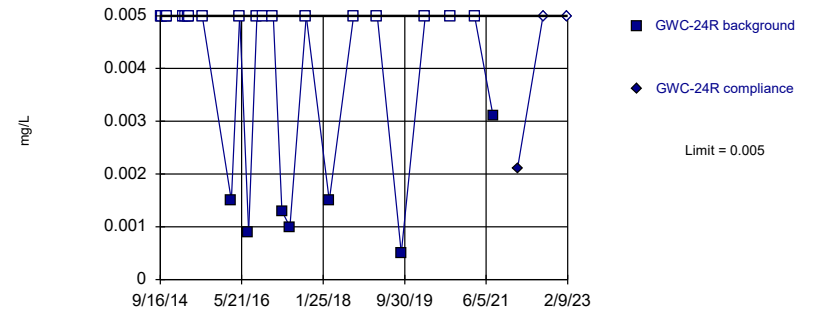


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

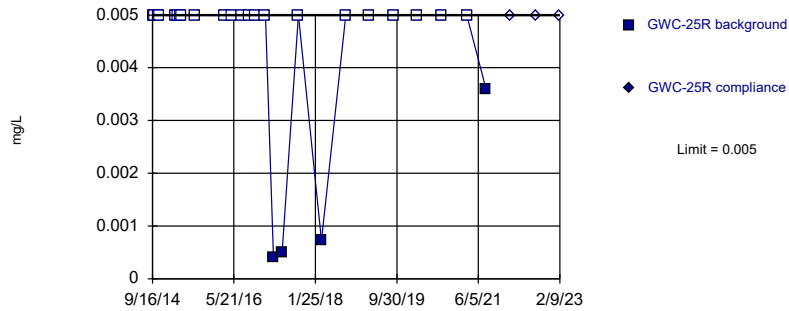


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

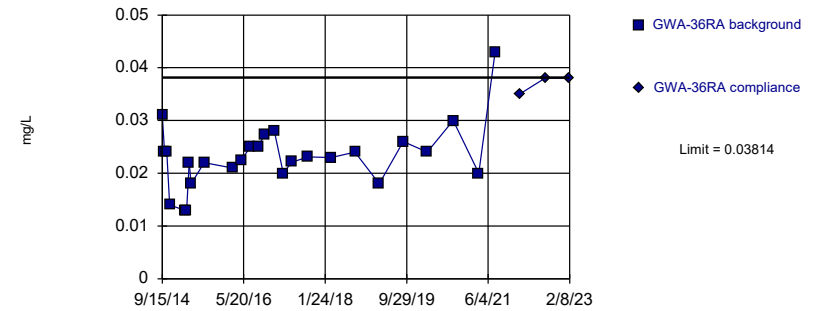


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

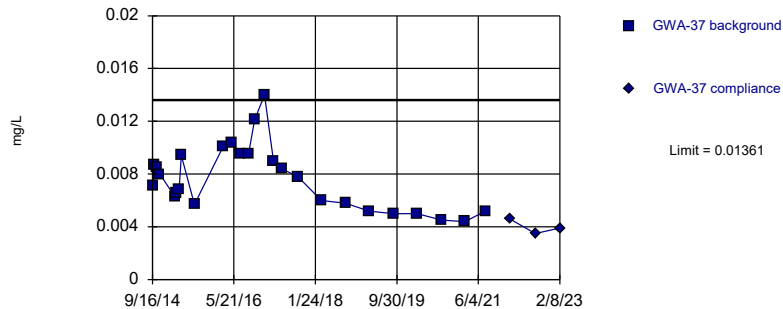


Background Data Summary: Mean=0.0232, Std. Dev.=0.00611, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9075, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

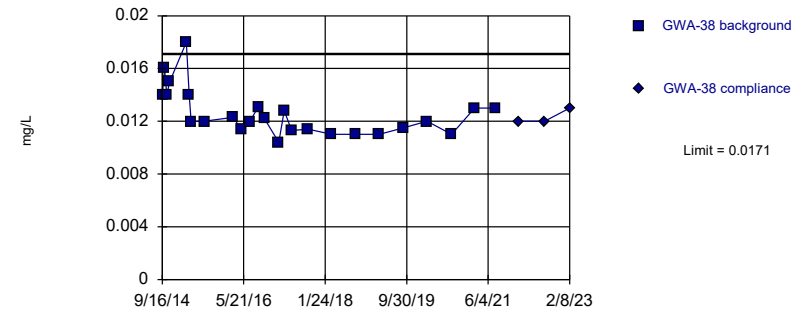


Background Data Summary: Mean=0.007654, Std. Dev.=0.002436, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

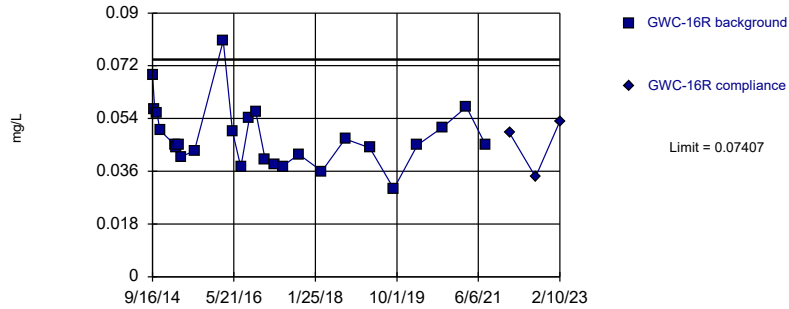


Background Data Summary (based on square root transformation): Mean=0.1121, Std. Dev.=0.007602, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8938, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

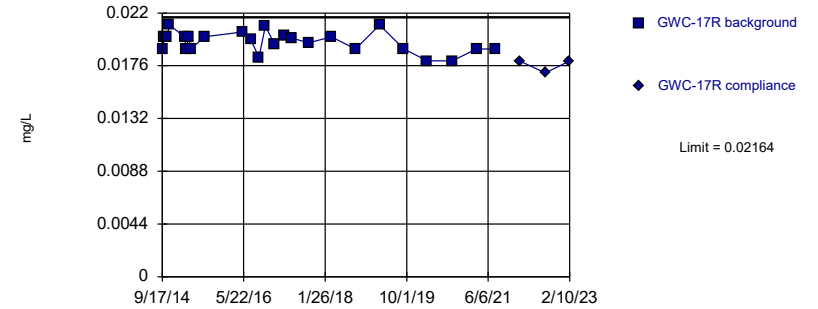


Background Data Summary: Mean=0.04775, Std. Dev.=0.01076, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9115, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

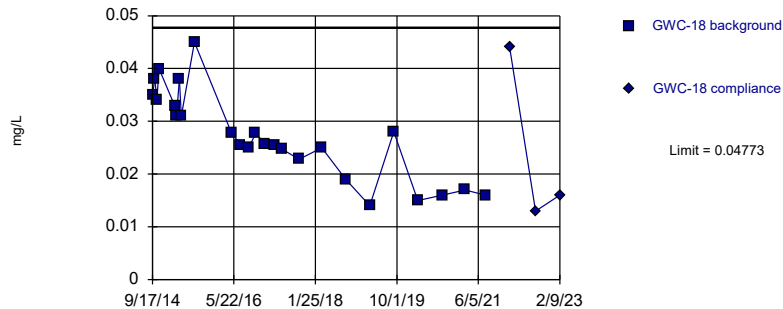


Background Data Summary: Mean=0.01957, Std. Dev.=0.0008404, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9347, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

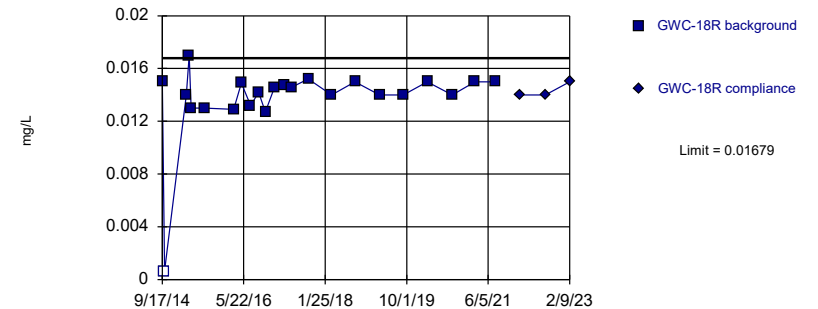


Background Data Summary: Mean=0.02719, Std. Dev.=0.008349, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9638, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

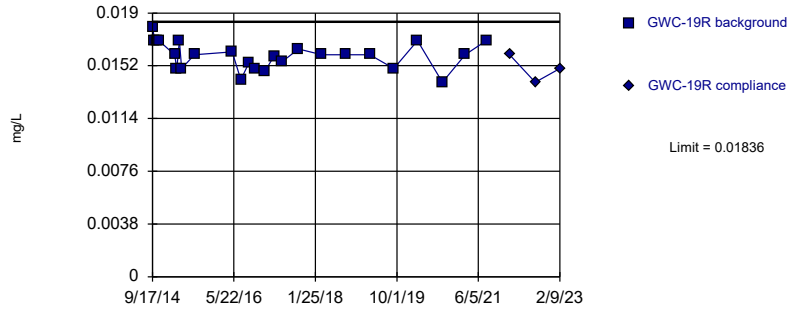


Background Data Summary (based on x^4 transformation): Mean=4.1e-8, Std. Dev.=1.5e-8, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.881. Kappa = 2.502 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

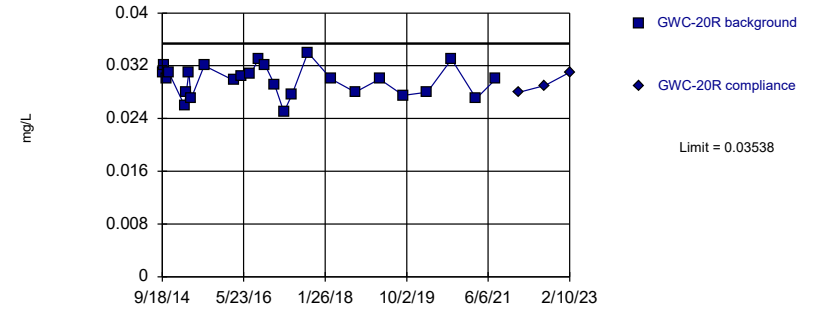


Background Data Summary: Mean=0.01594, Std. Dev.=0.0009874, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9544, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

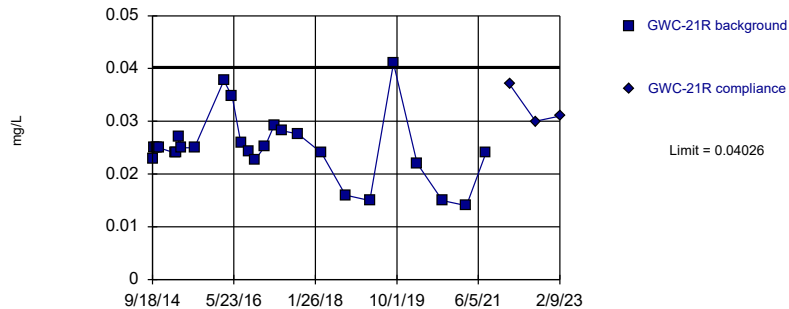


Background Data Summary: Mean=0.02974, Std. Dev.=0.002305, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

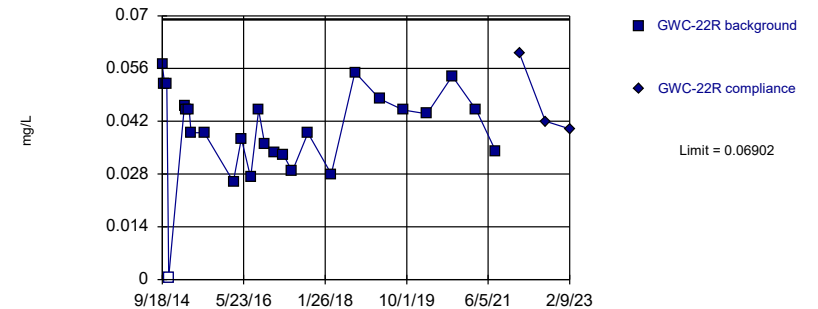


Background Data Summary: Mean=0.02498, Std. Dev.=0.006248, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8933, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

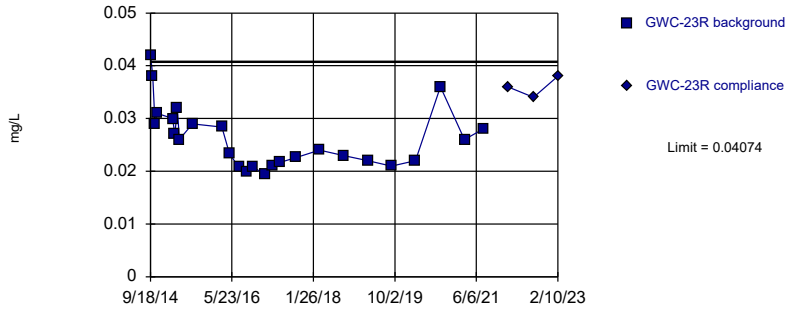


Background Data Summary: Mean=0.03979, Std. Dev.=0.01195, n=26, 3.846% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.906, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

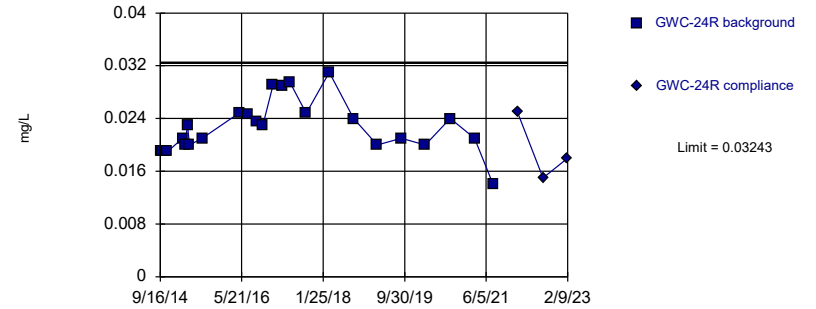


Background Data Summary: Mean=0.0263, Std. Dev.=0.005901, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8941, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

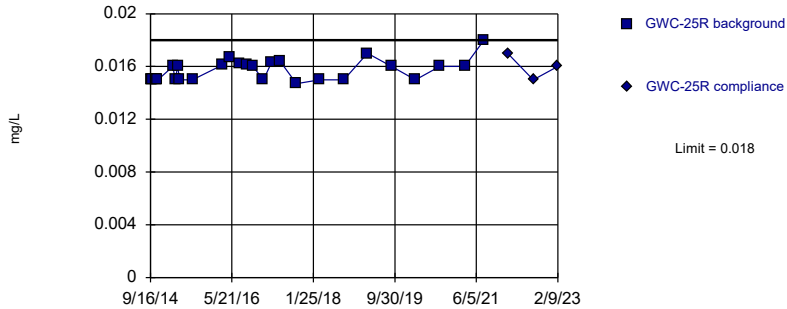


Background Data Summary: Mean=0.02258, Std. Dev.=0.004006, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9334, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

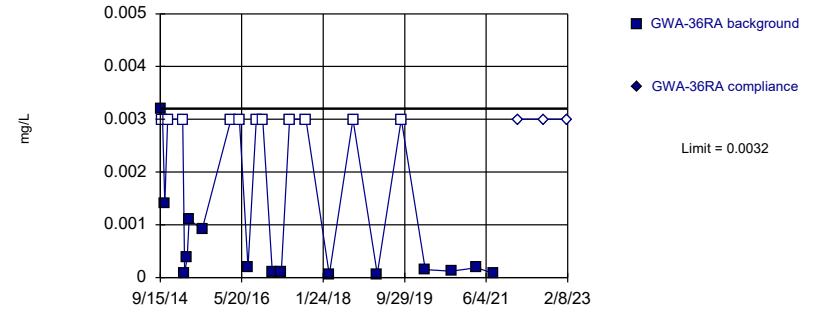


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

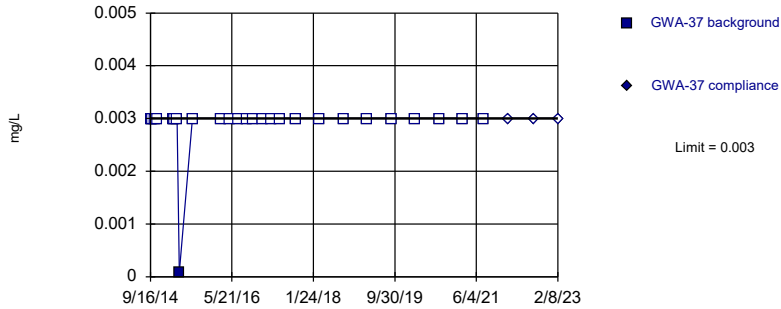


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 42.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

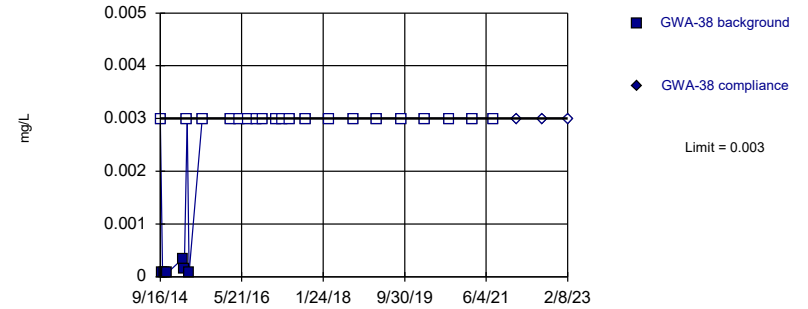


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

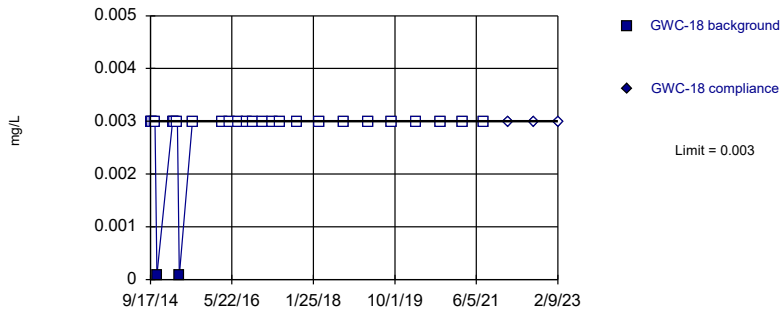


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

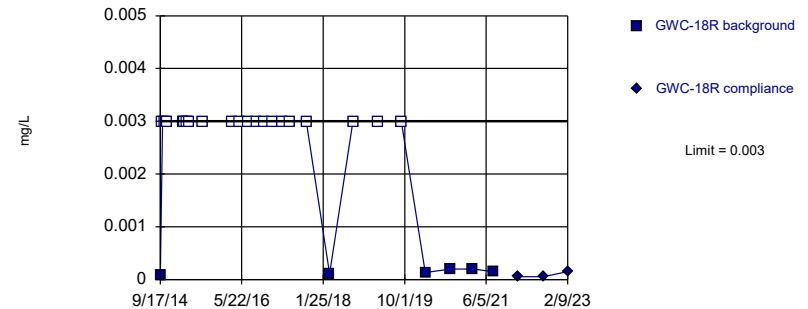


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:19 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

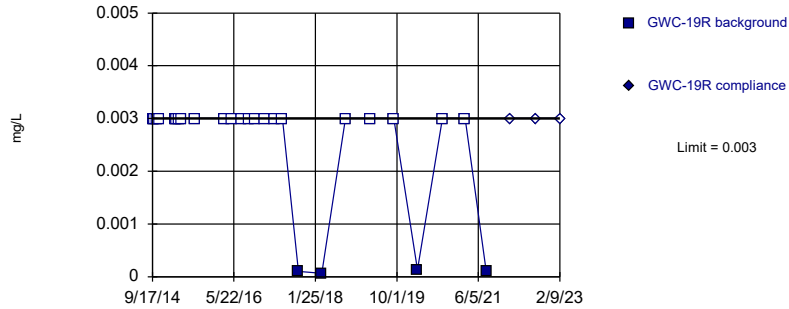


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

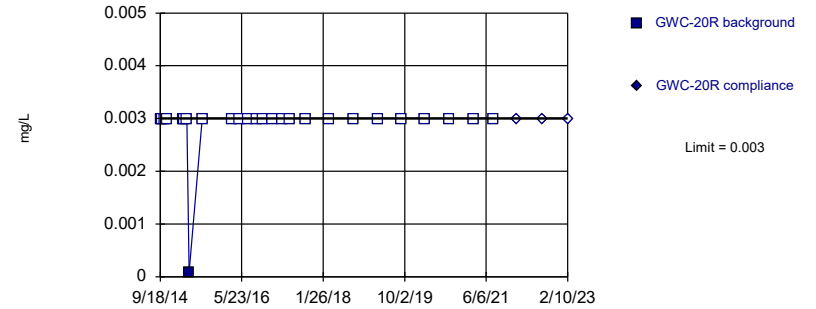


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

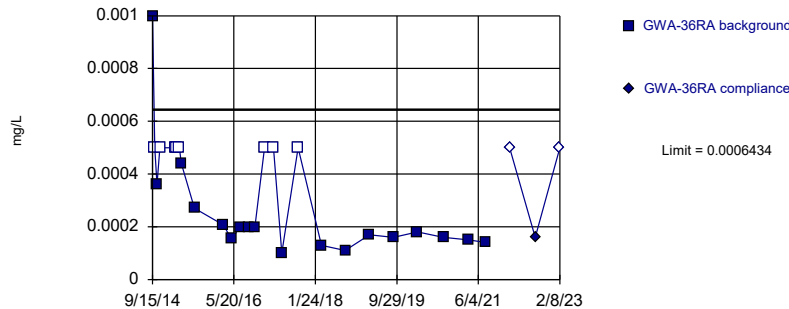


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

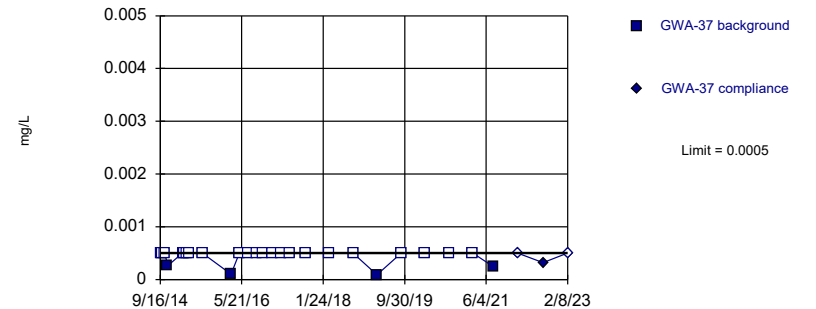


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.6, Std. Dev.=0.5115, n=26, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8993, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

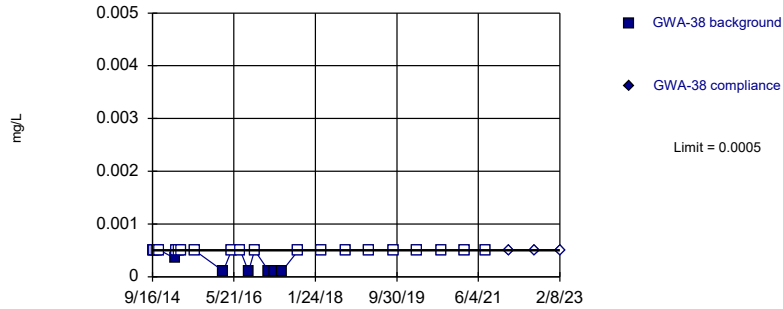


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

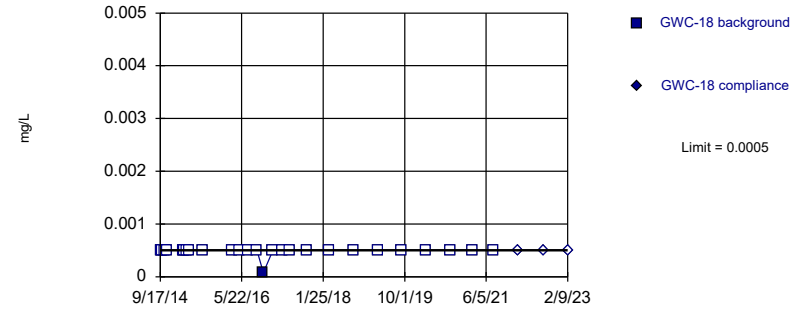


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

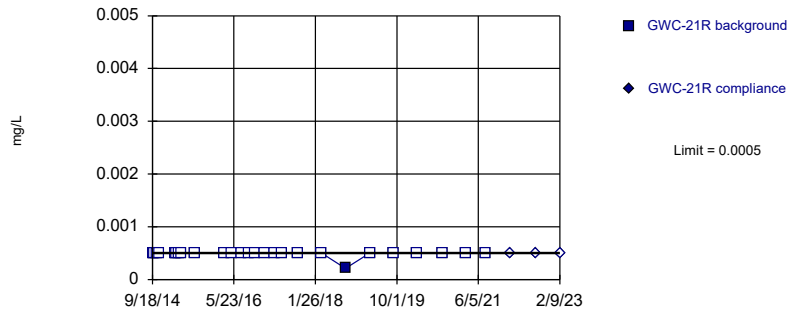


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

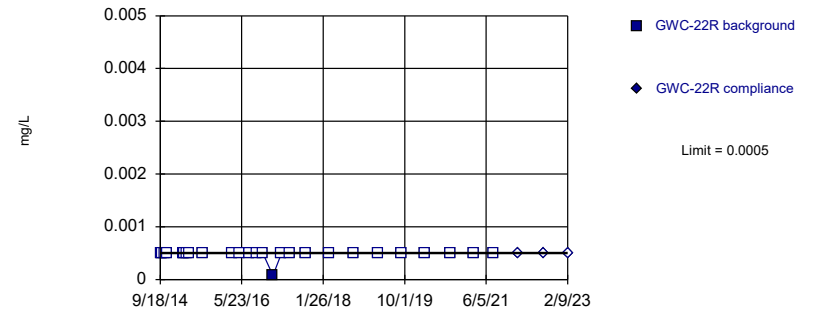


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

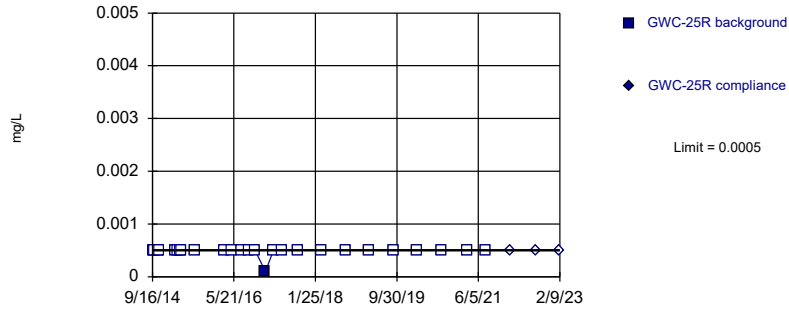


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

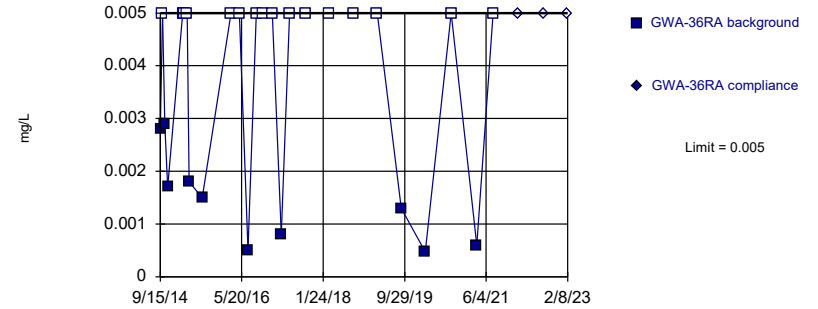


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

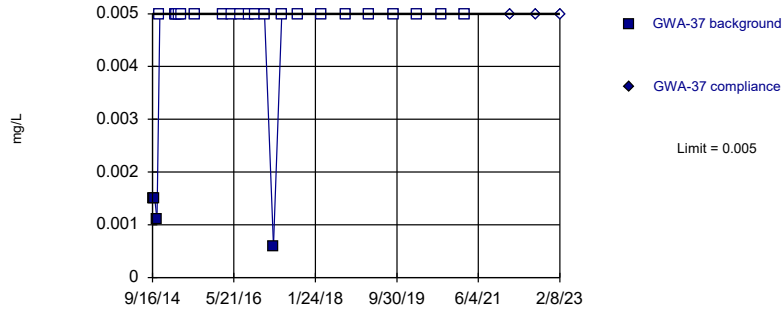


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

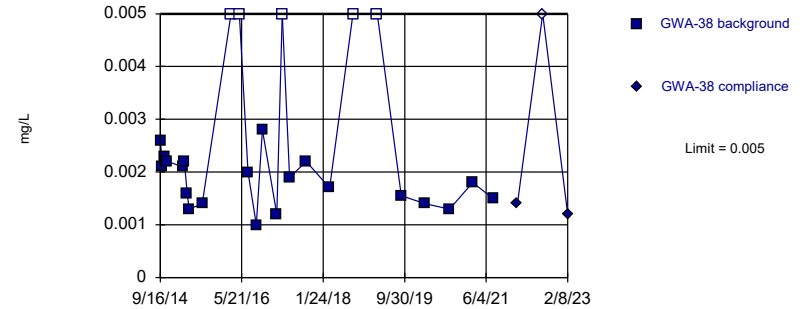


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

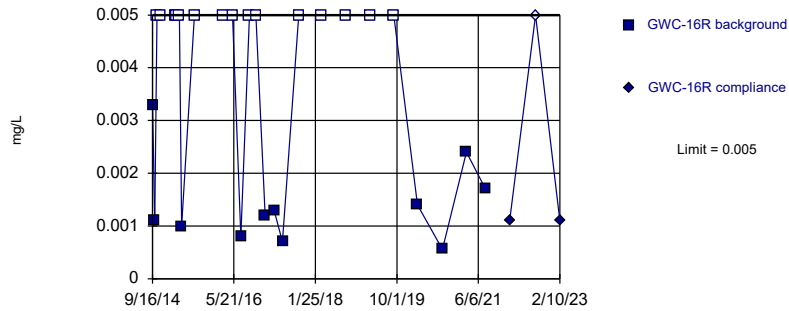


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 19.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

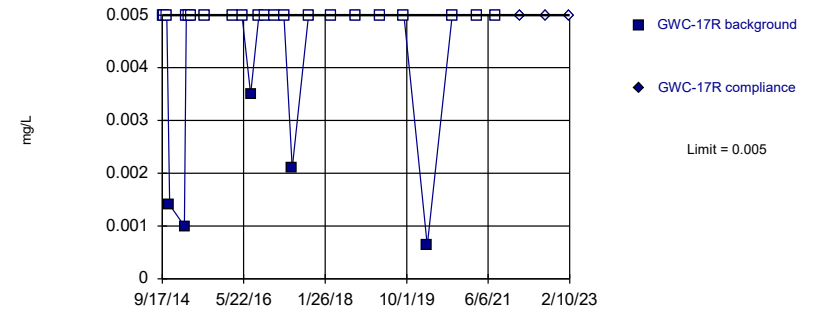


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

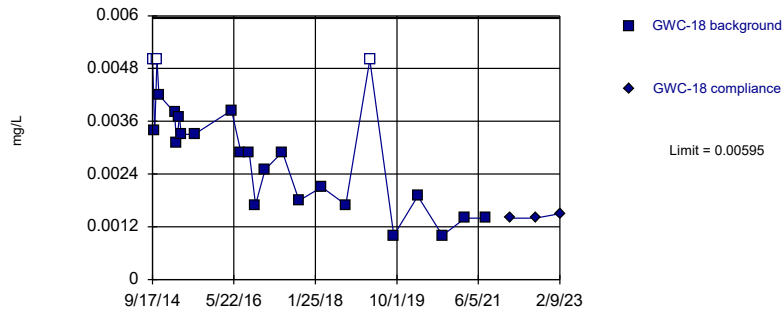


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

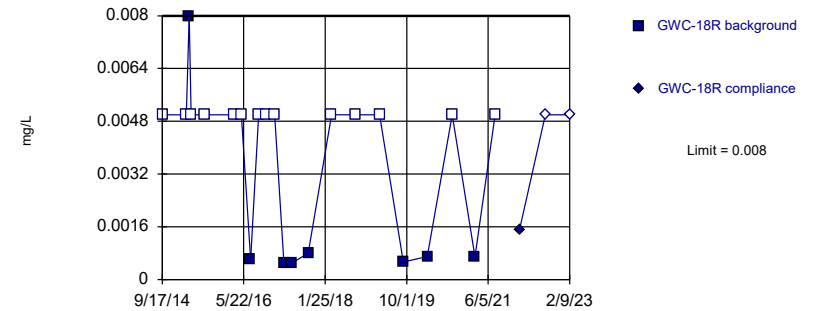


Background Data Summary: Mean=0.002869, Std. Dev.=0.001242, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.884. Kappa = 2.481 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

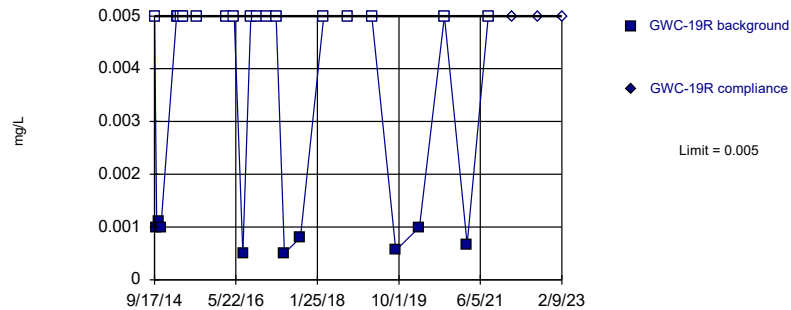


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

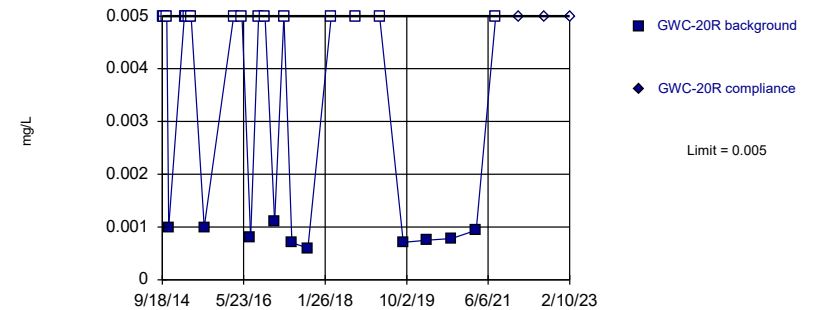


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

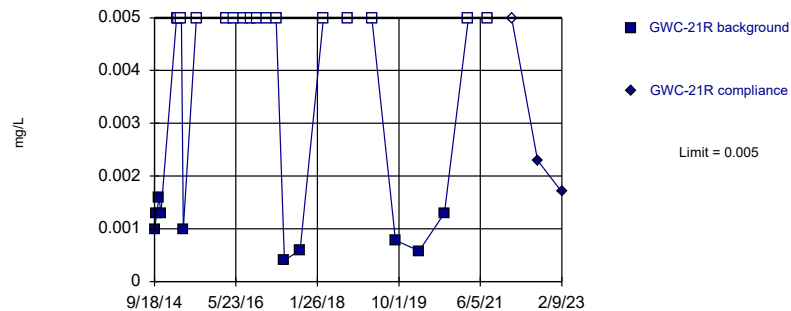


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

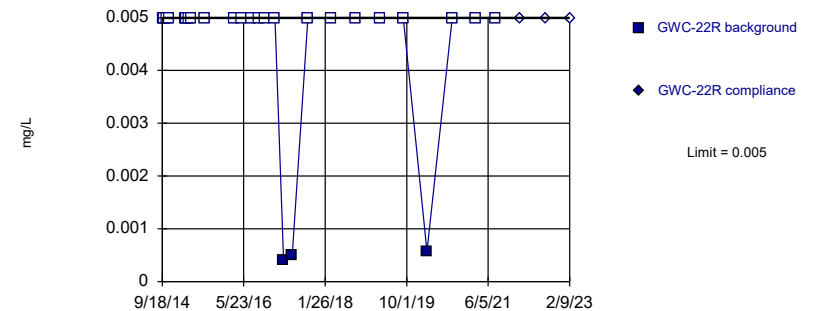


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

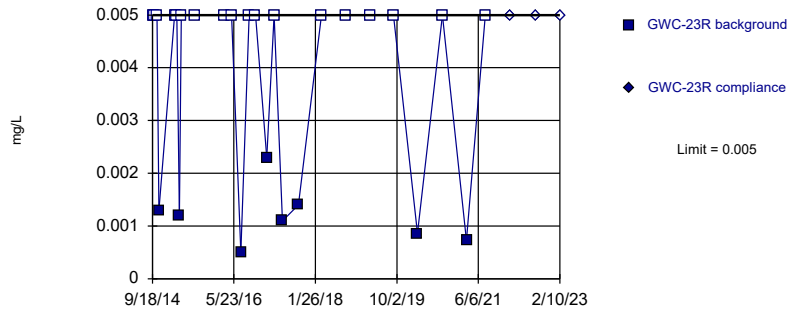


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

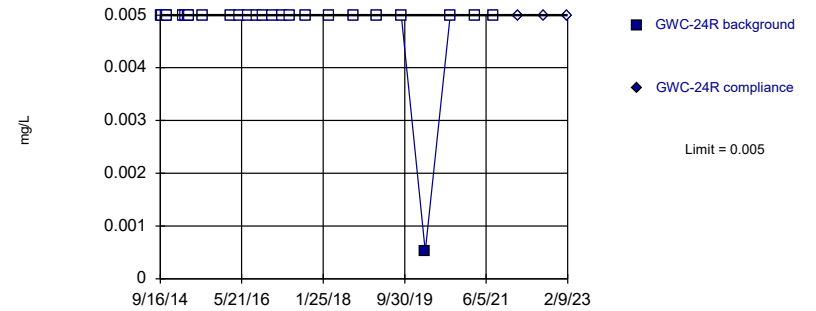


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

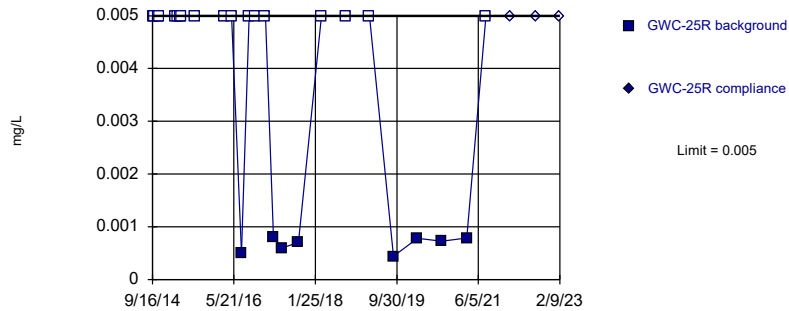


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

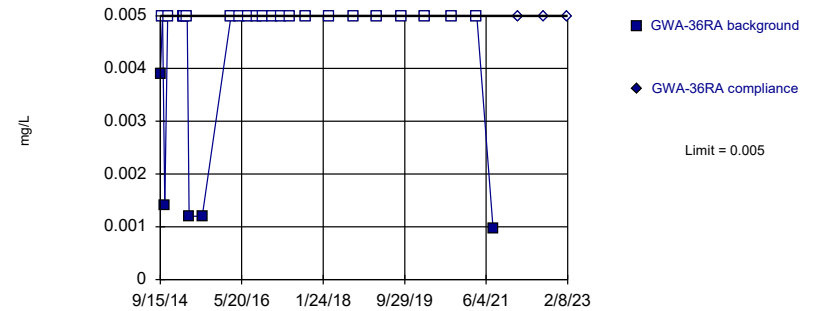


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

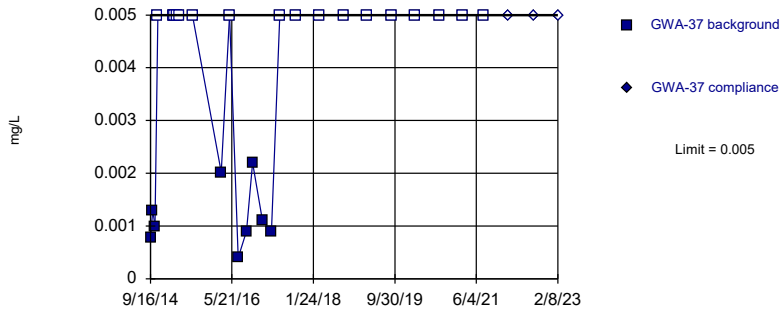


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

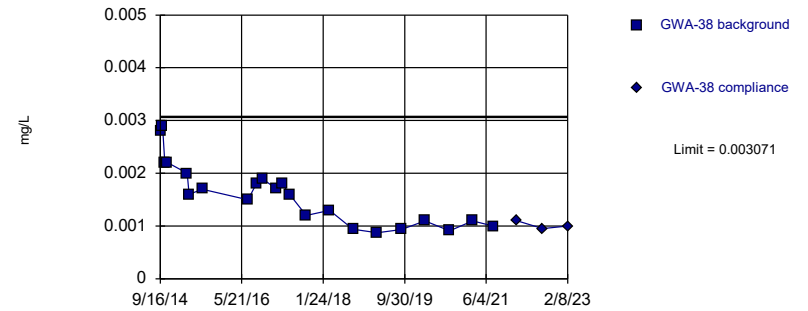


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

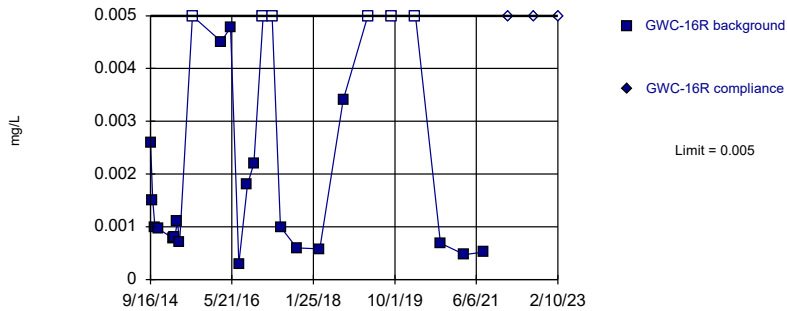


Background Data Summary: Mean=0.001593, Std. Dev.=0.0005858, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9231, critical = 0.878. Kappa = 2.523 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

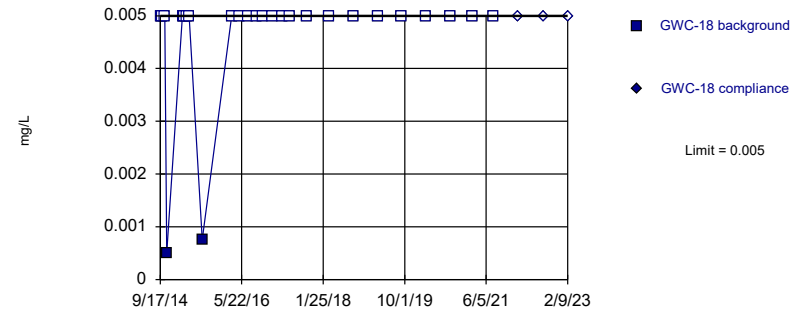


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 23.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

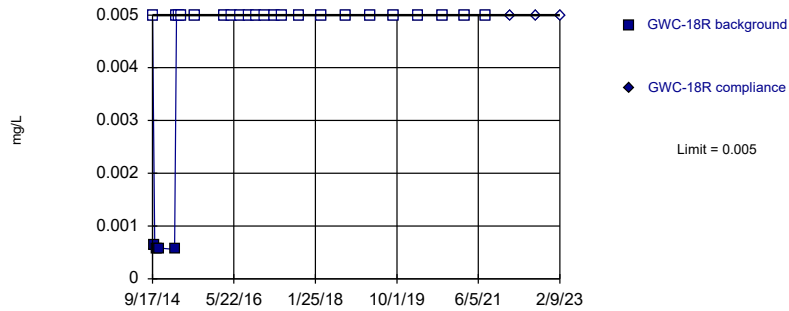


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

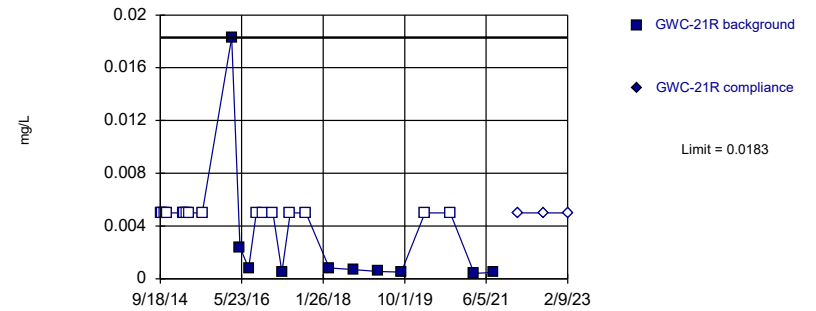


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

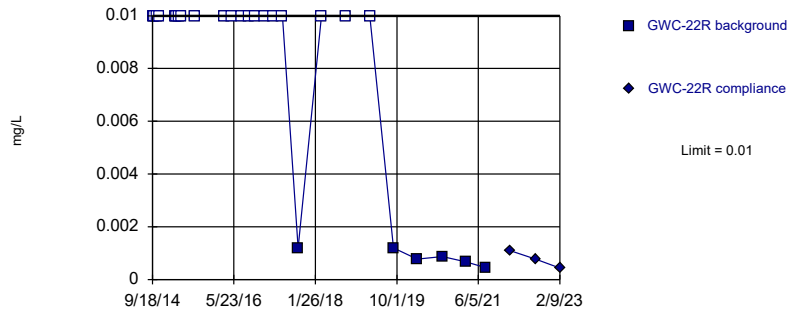


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

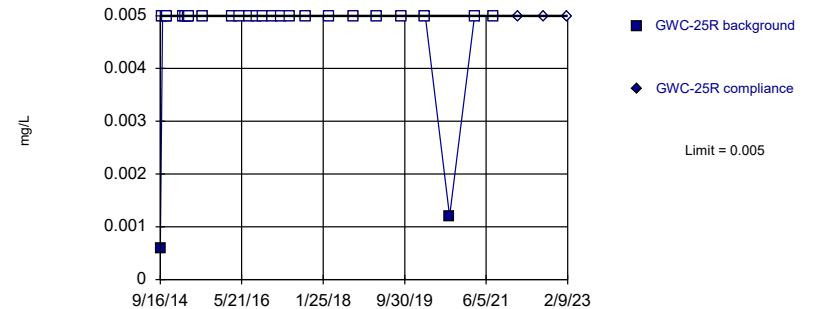


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

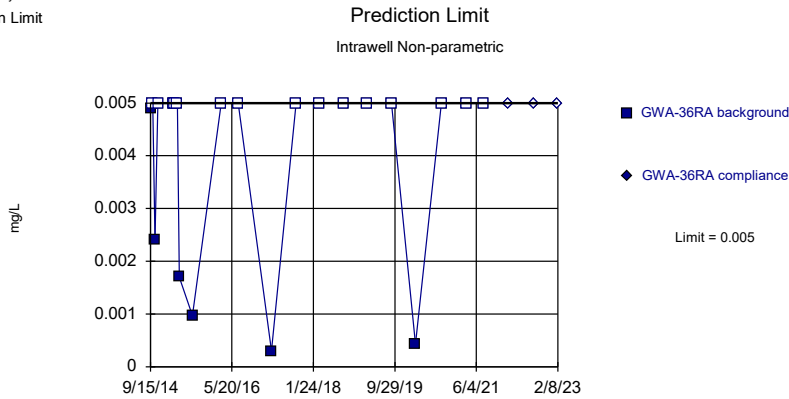
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

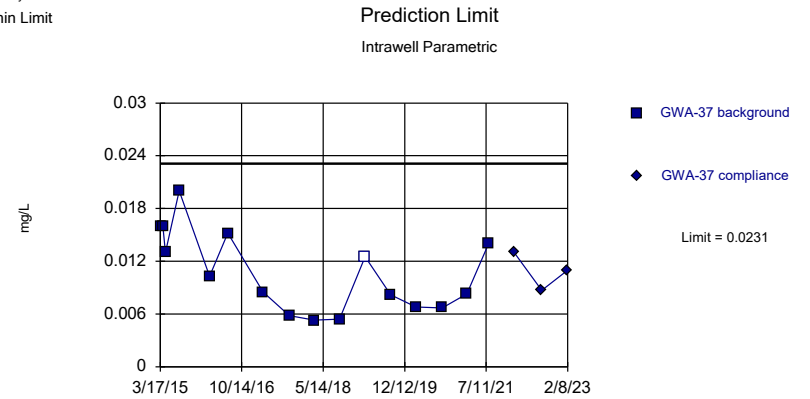
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

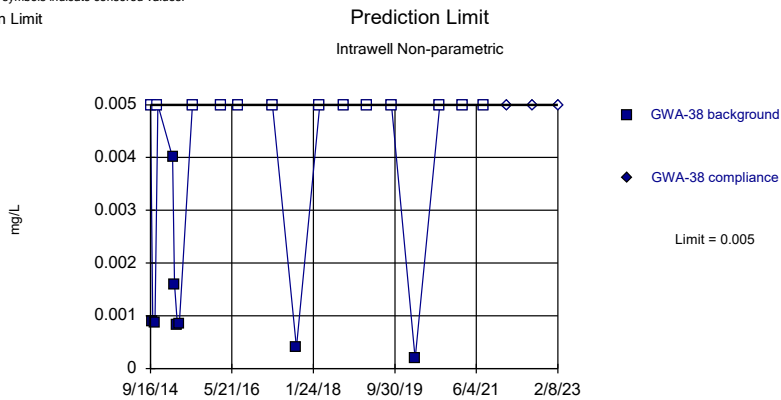
Within Limit



Background Data Summary: Mean=0.01075, Std. Dev.=0.004559, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9213, critical = 0.844. Kappa = 2.709 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

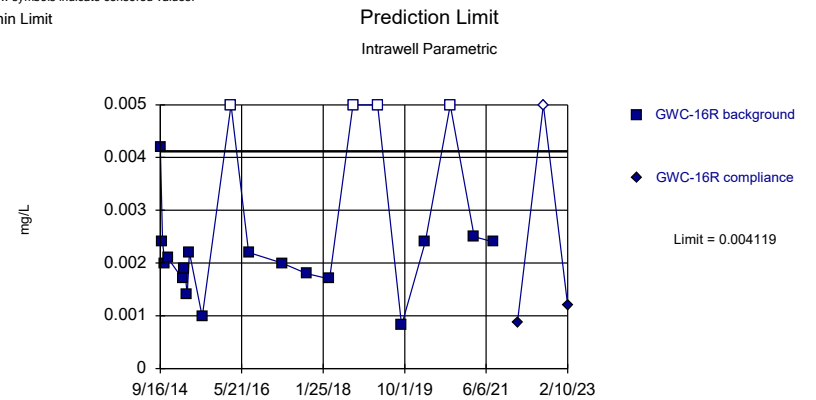
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

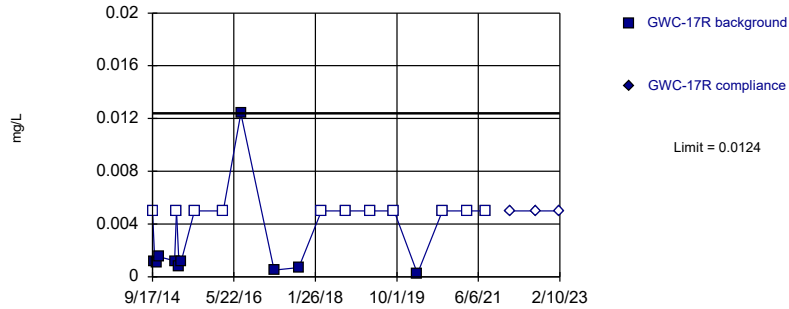


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04187, Std. Dev.=0.008771, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8749, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

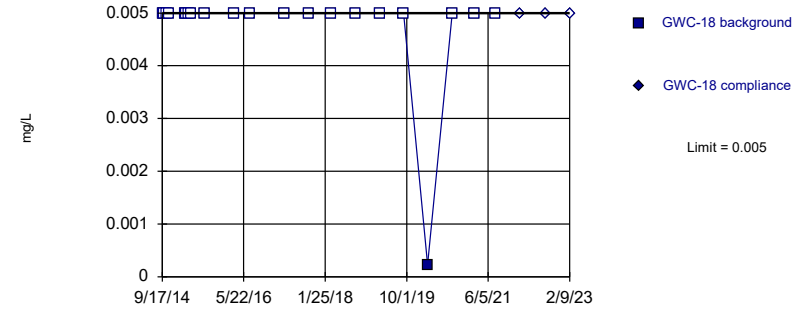


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

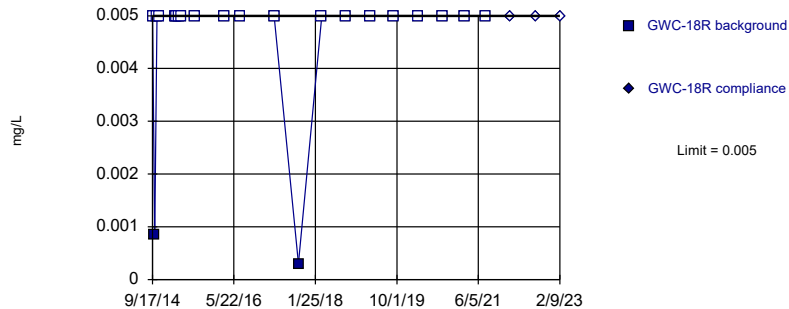


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

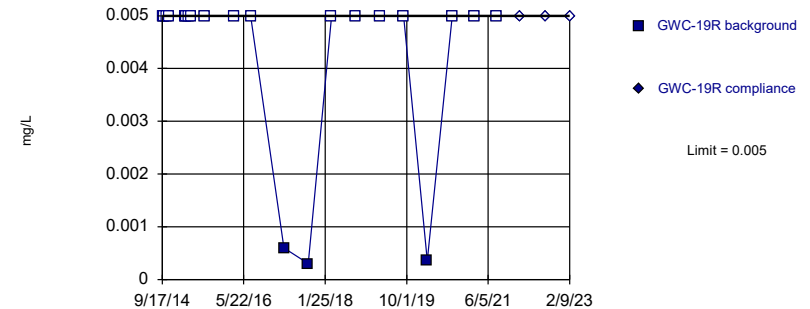


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

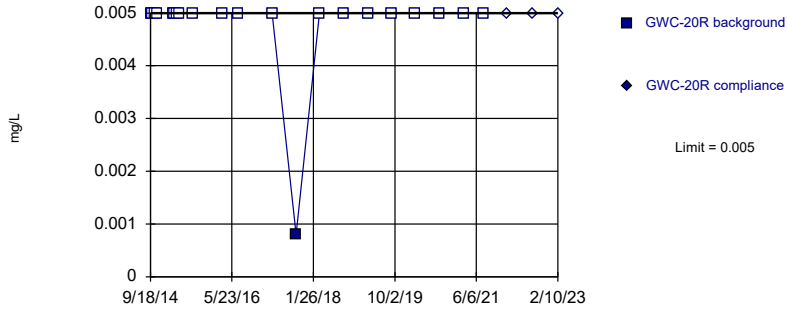


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

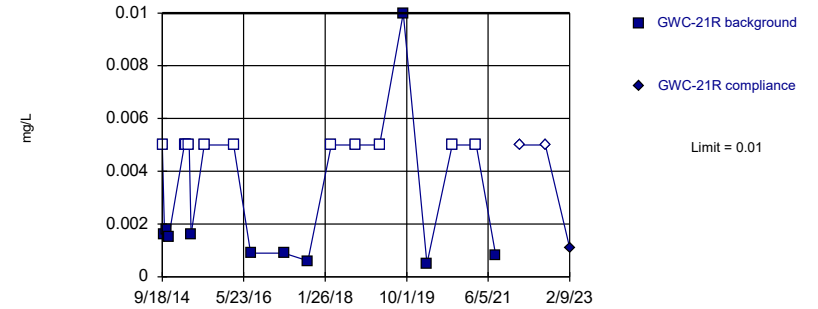


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

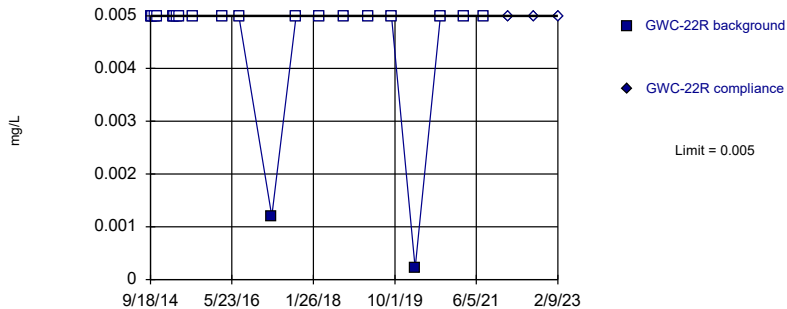


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

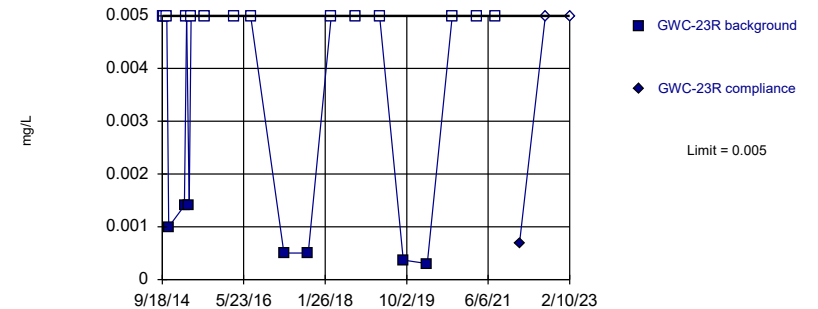


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

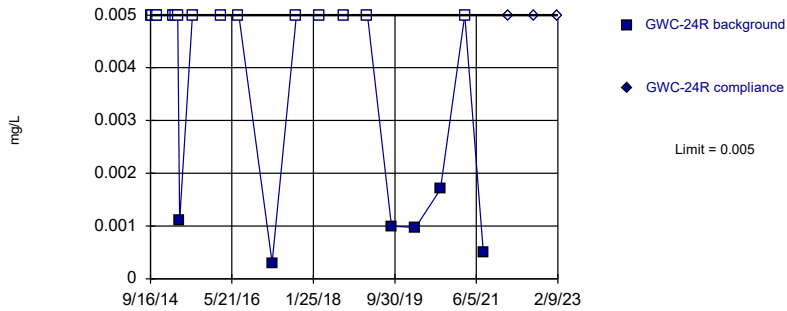


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

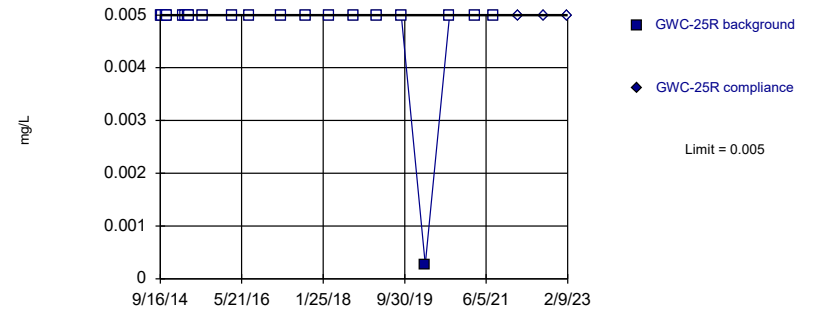


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

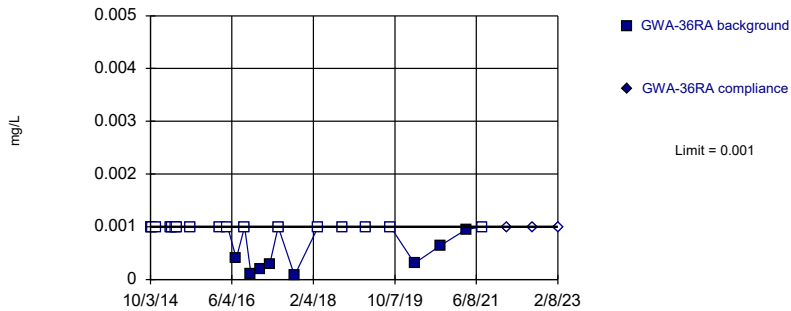


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

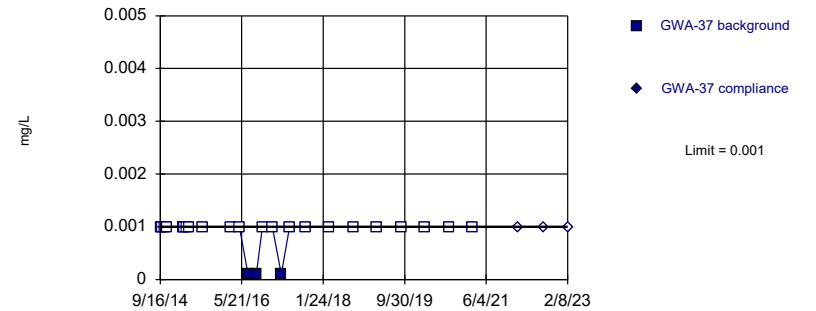


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

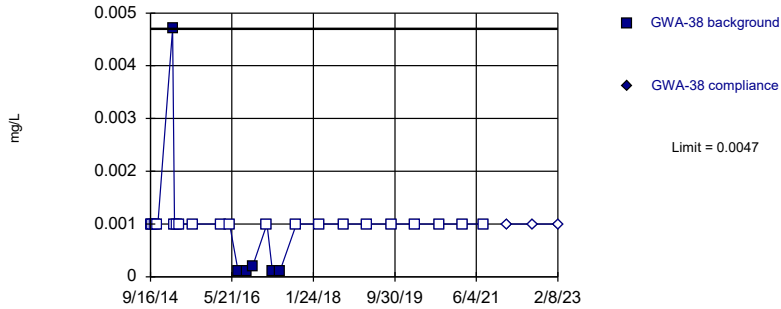


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

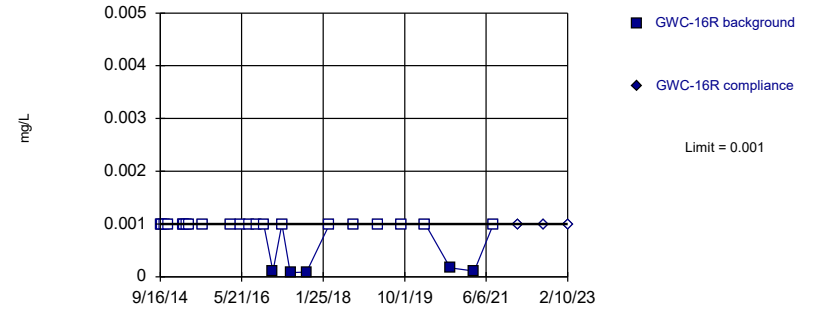


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

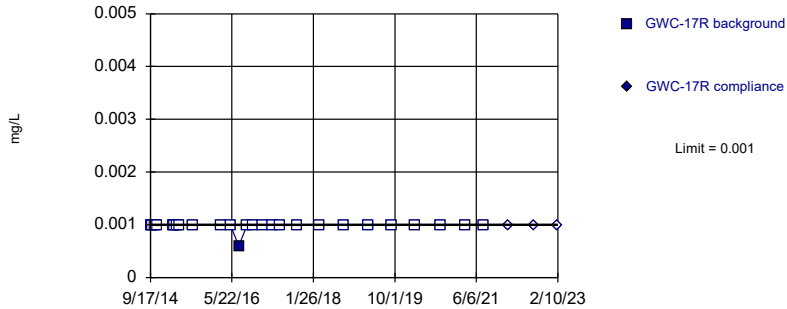


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

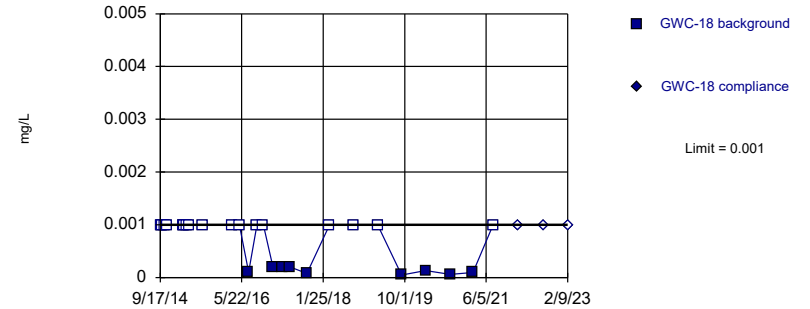


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

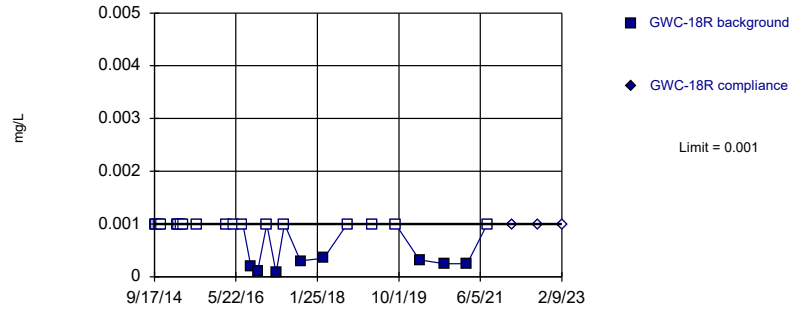


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

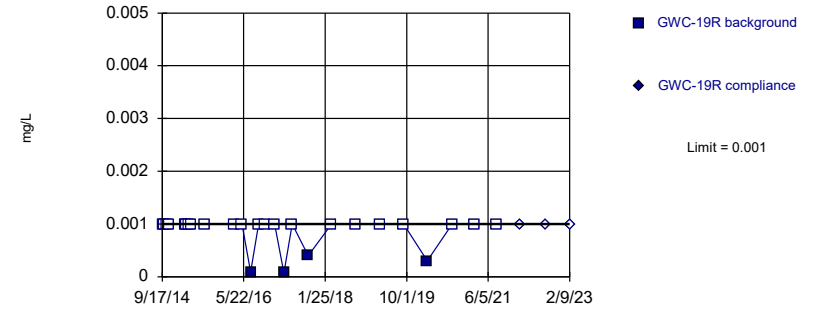


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

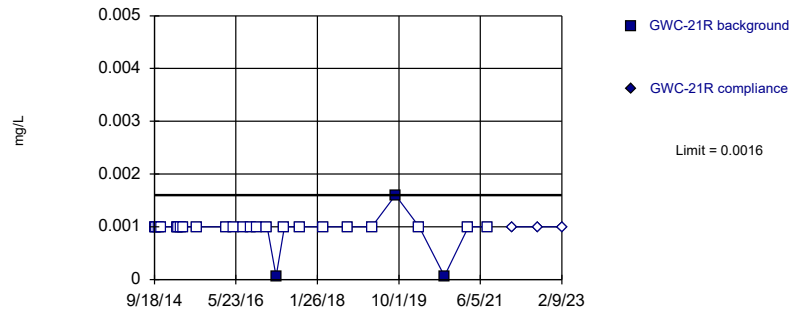


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

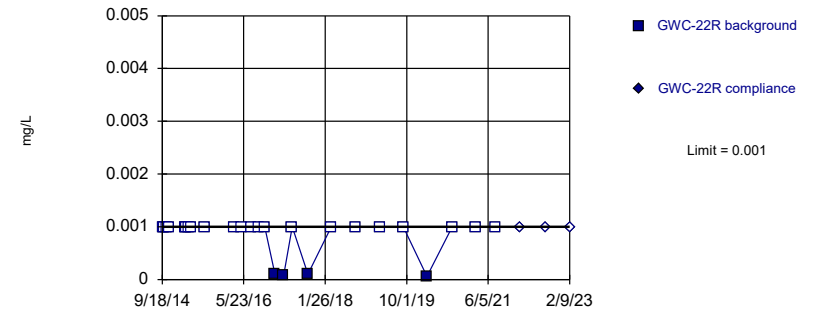


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

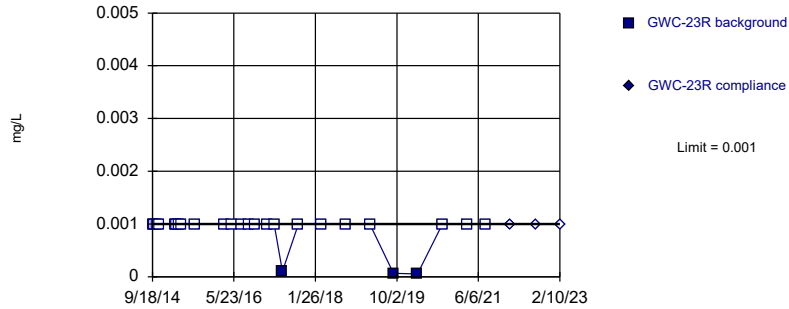


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

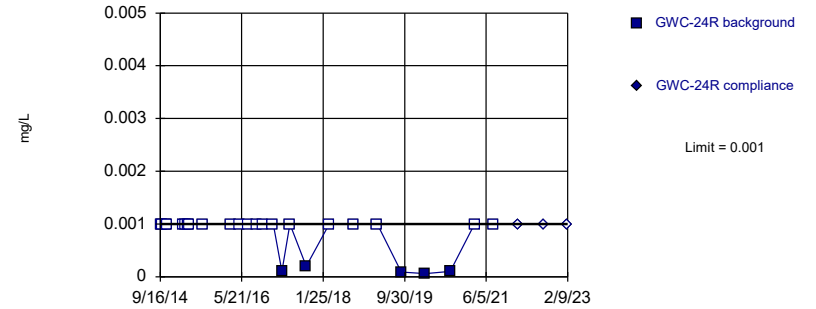


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

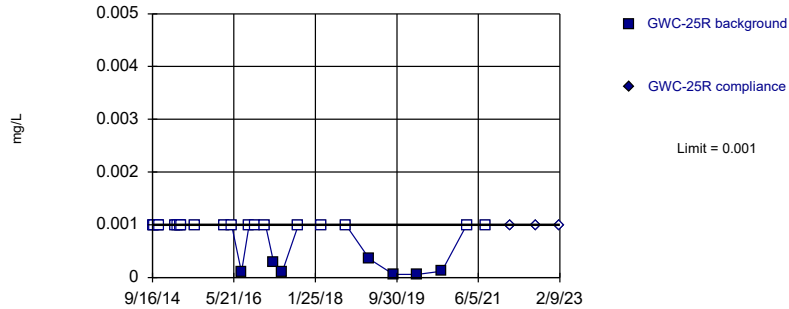


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

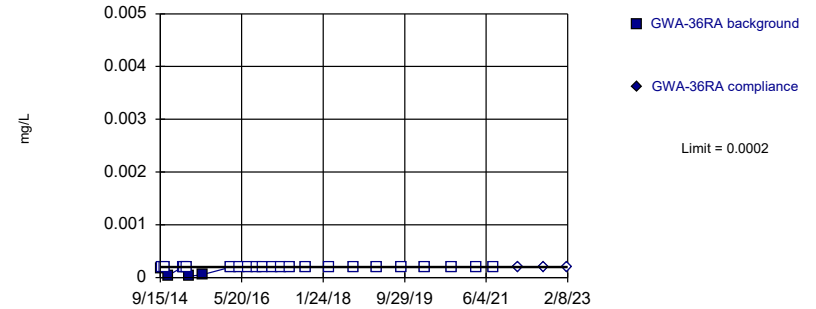


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

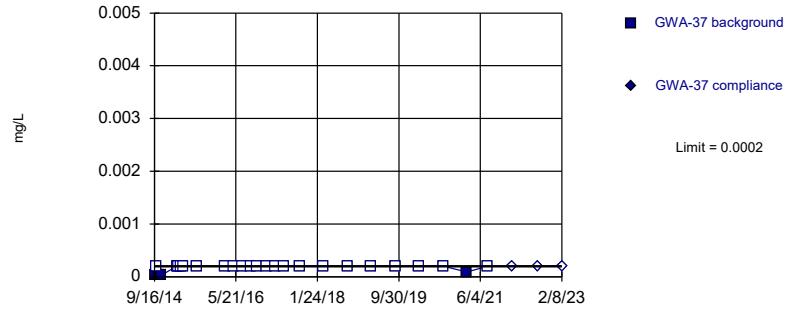


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:20 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

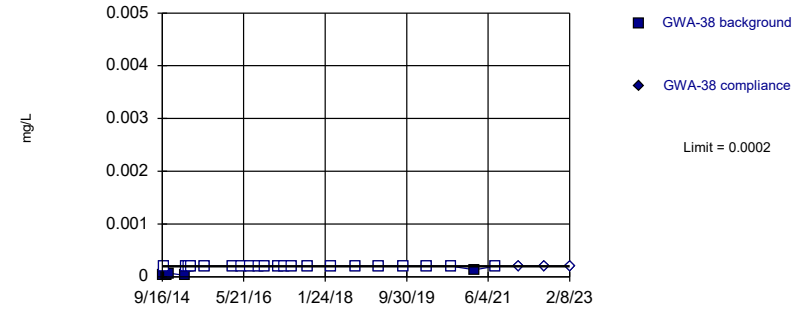


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

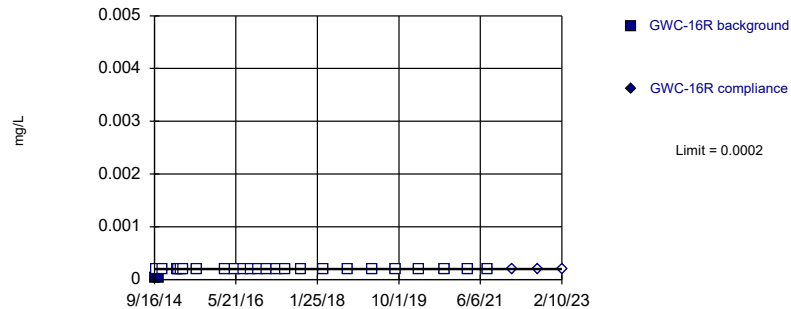


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

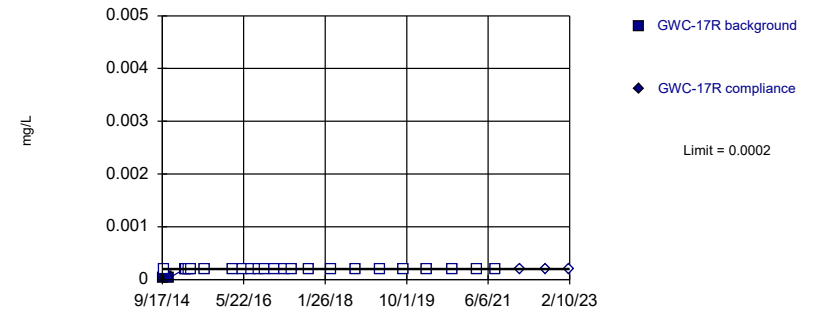


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

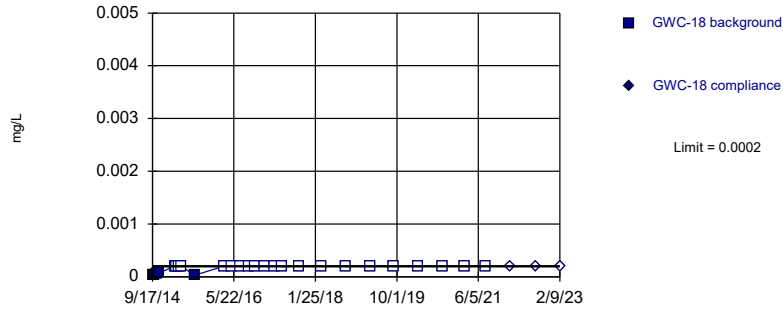


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

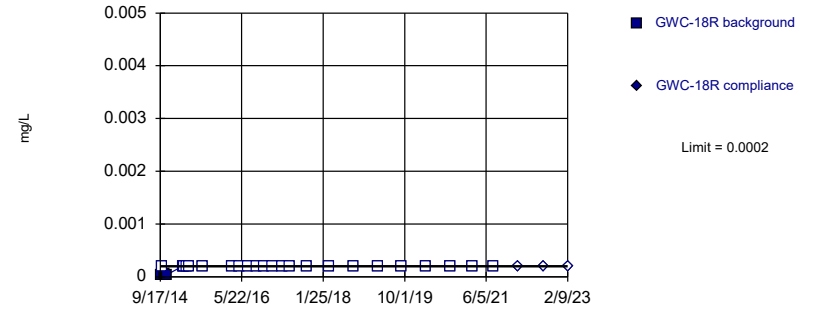


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

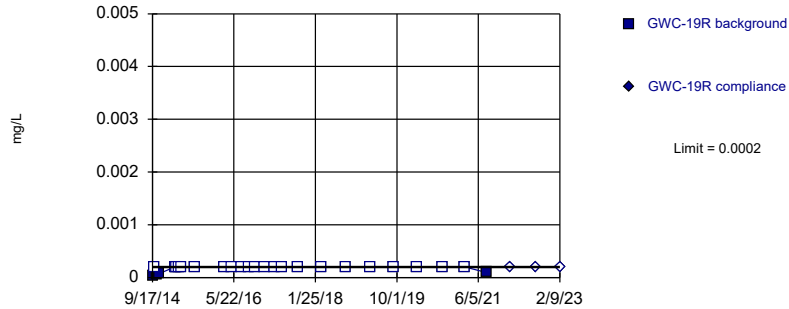


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

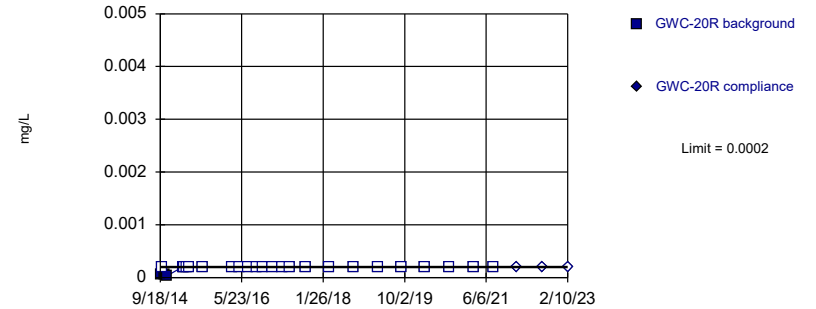


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

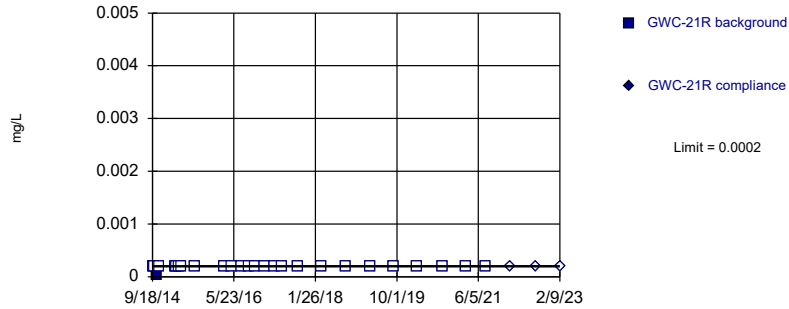


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

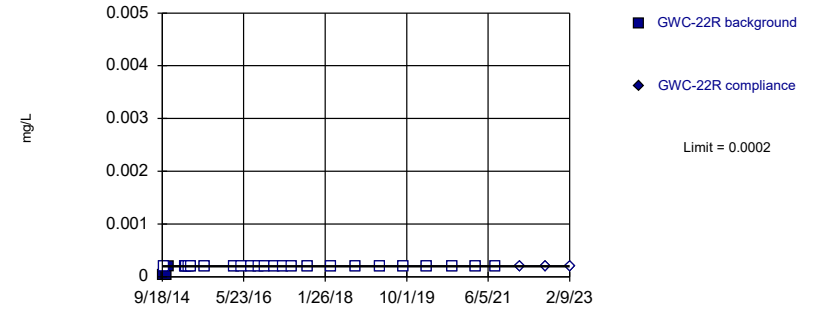


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

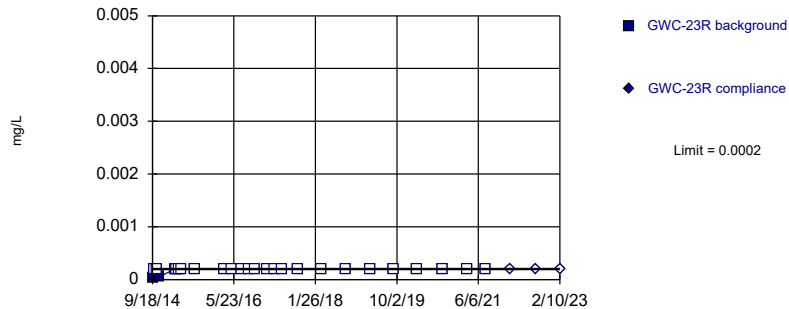


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

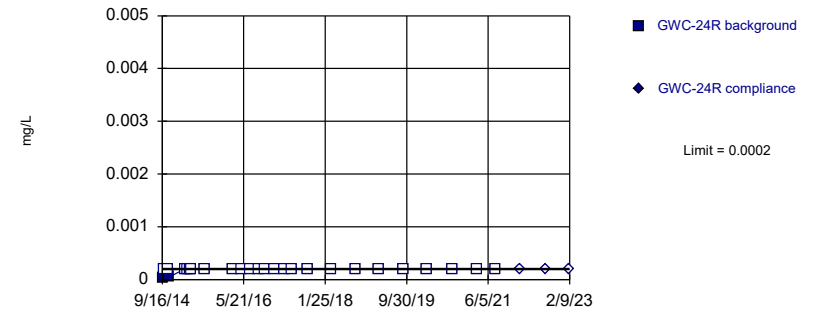


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

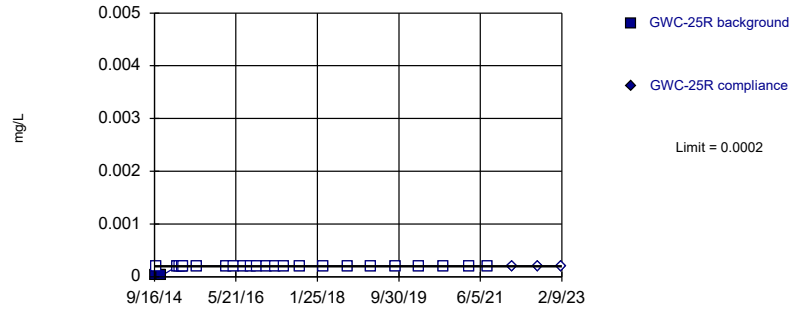


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

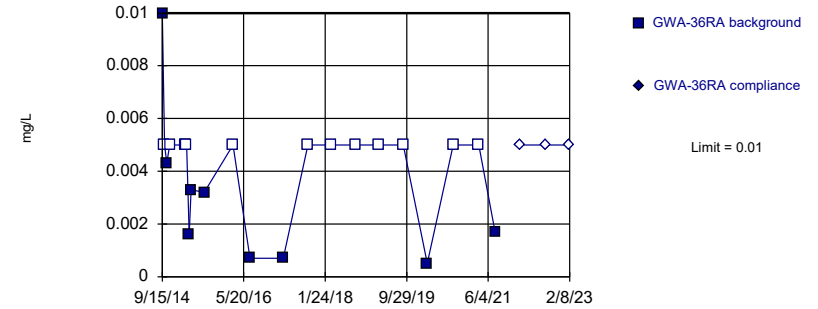


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

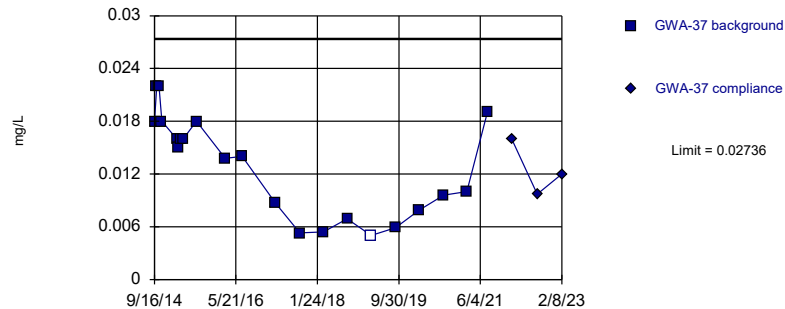


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

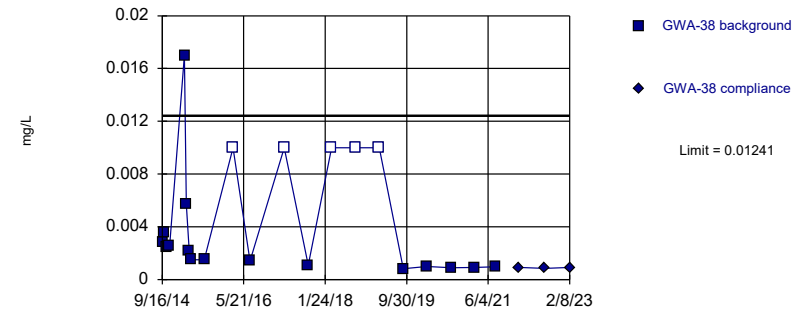


Background Data Summary: Mean=0.01298, Std. Dev.=0.005654, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

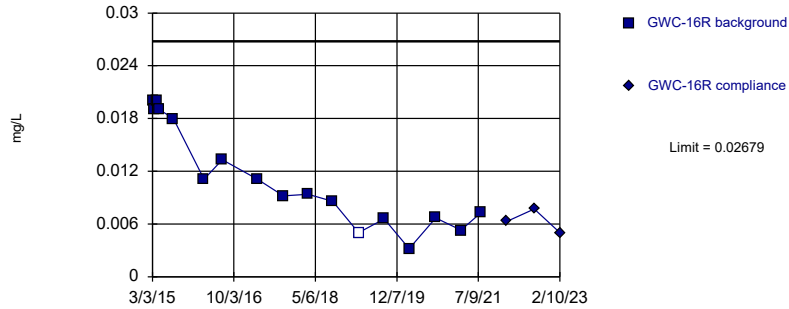


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.322, Std. Dev.=0.7598, n=21, 23.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8891, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

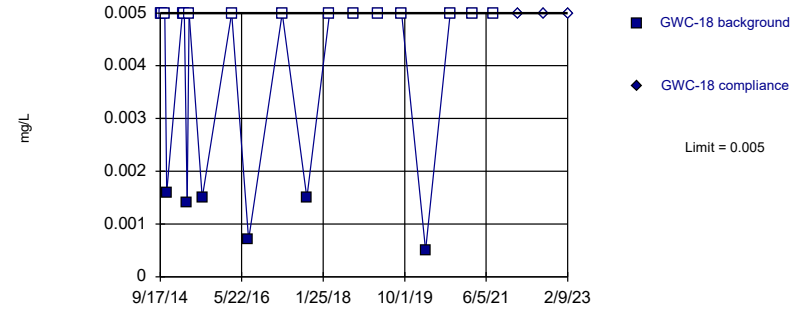


Background Data Summary: Mean=0.01134, Std. Dev.=0.005781, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8918, critical = 0.851. Kappa = 2.673 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

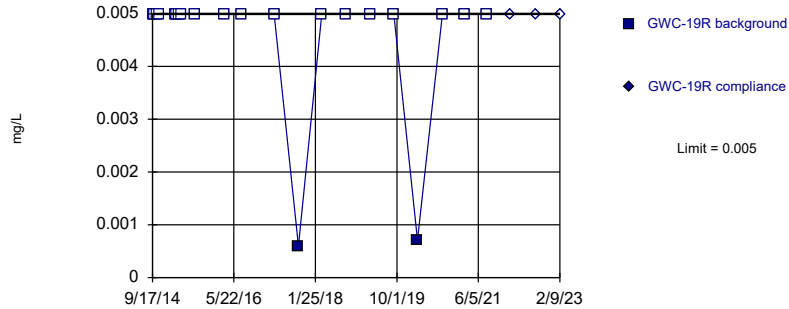


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

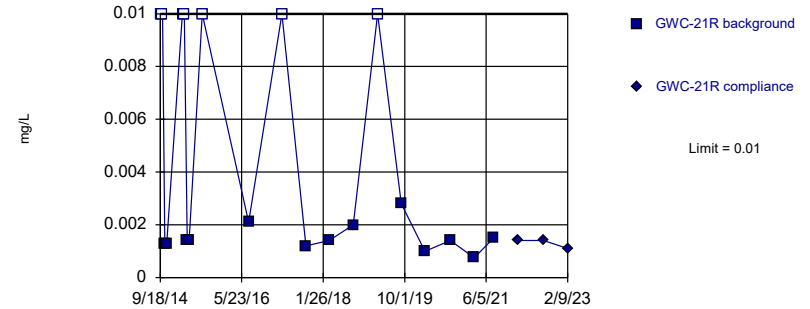


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

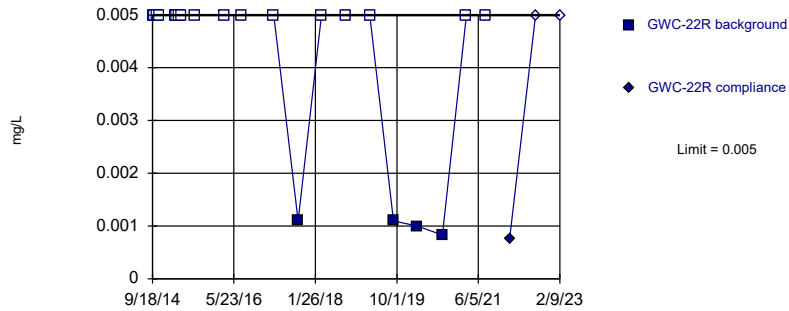


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

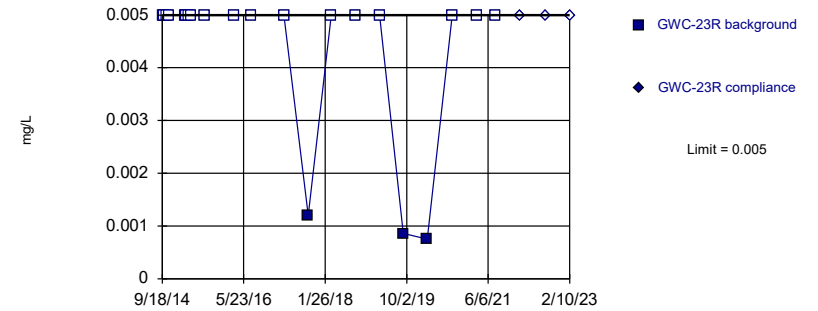


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

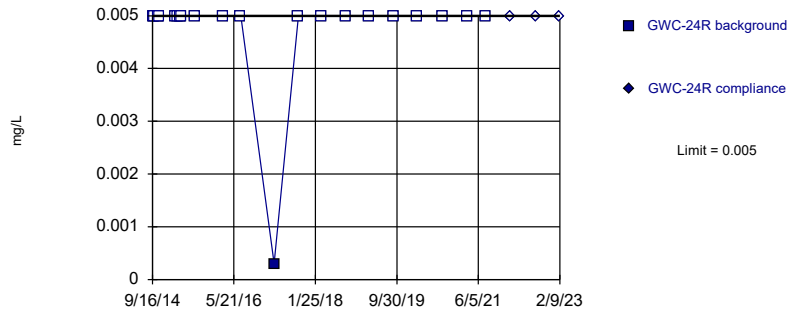


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

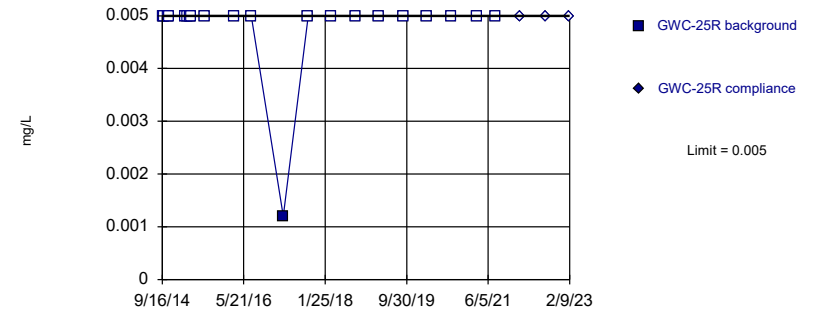


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

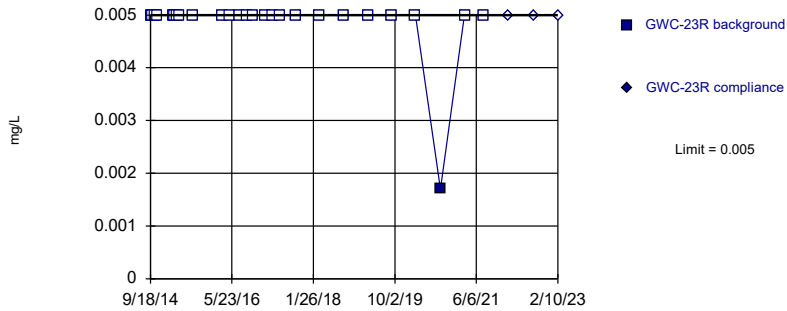


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

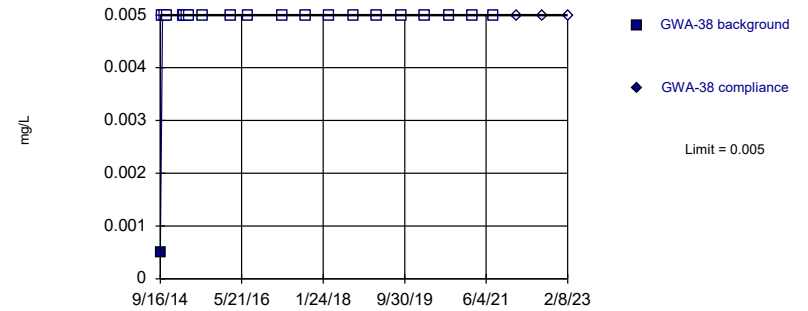


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

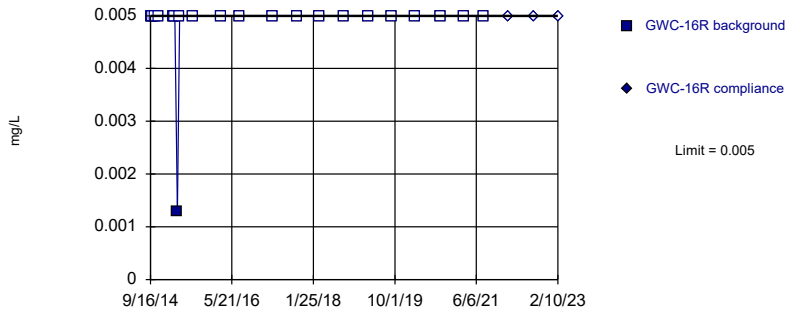


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

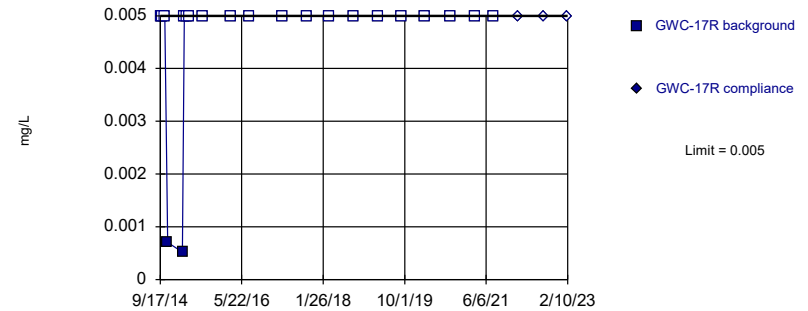


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

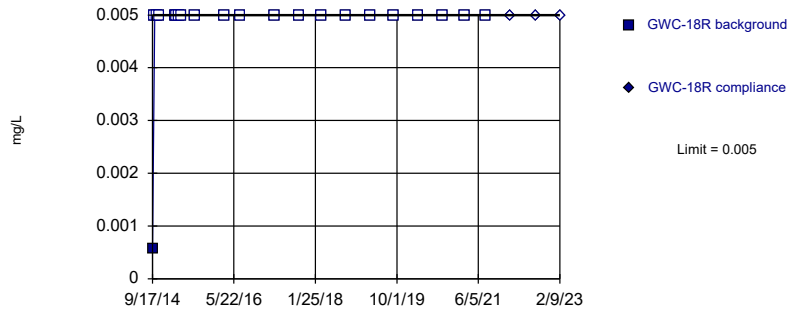


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

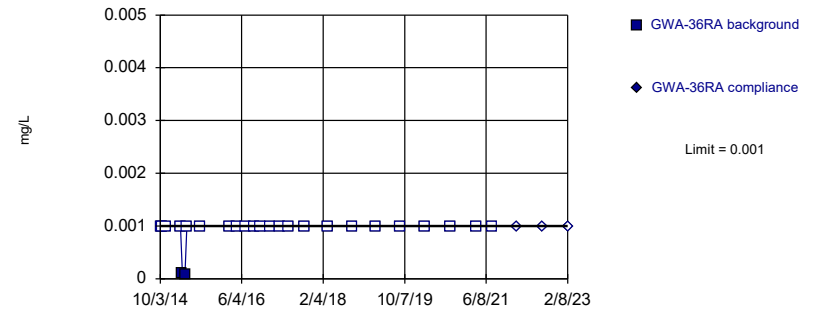


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

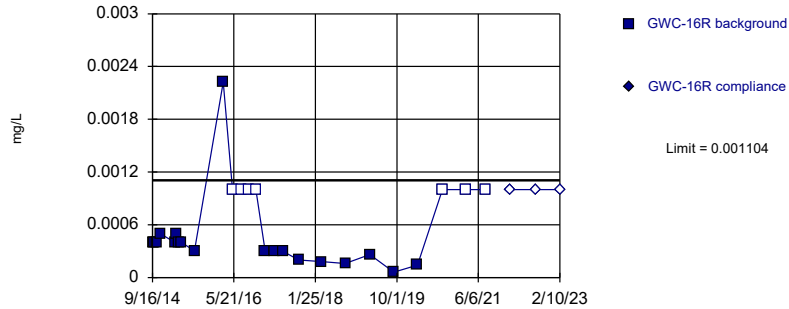


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

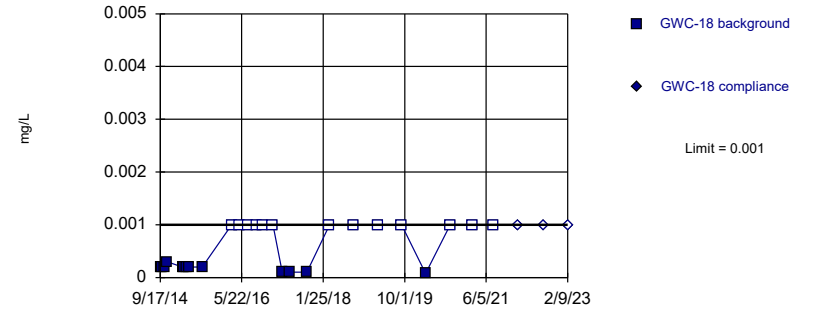


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.01531, Std. Dev.=0.007327, n=26, 26.92% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

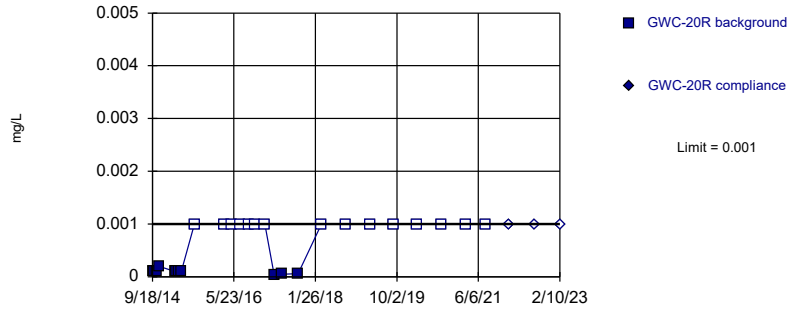


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Silver Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

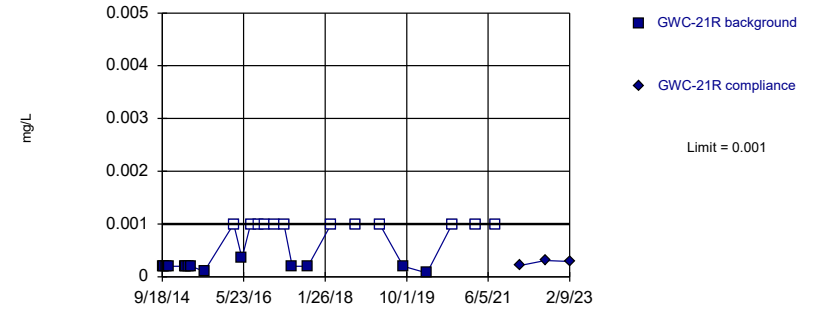


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

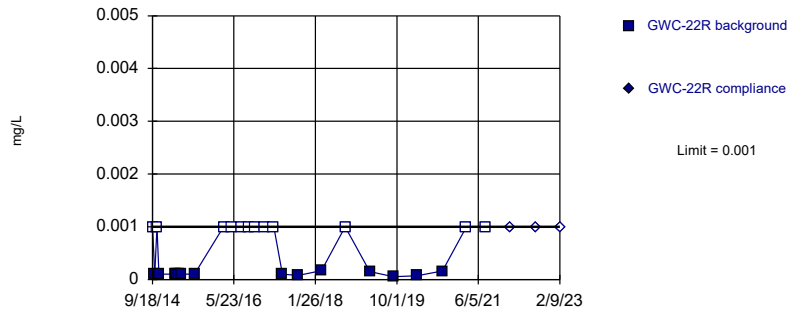


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

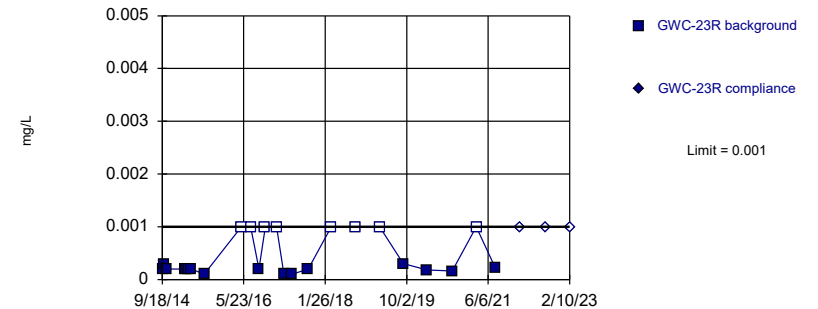


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

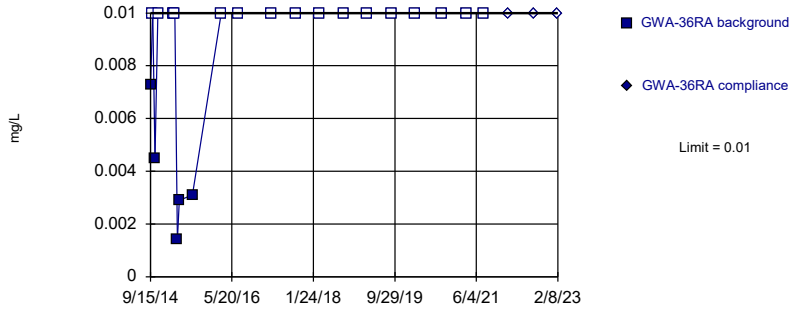


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

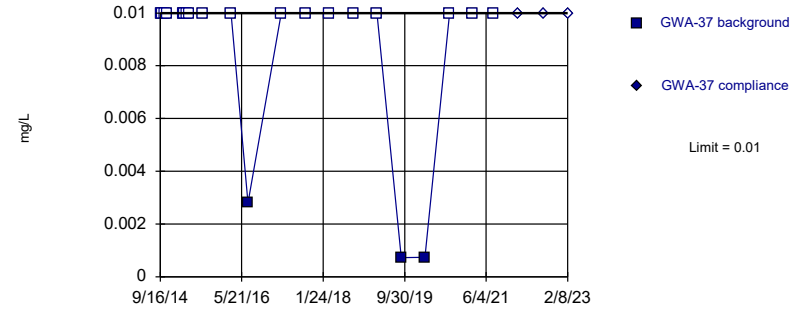


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

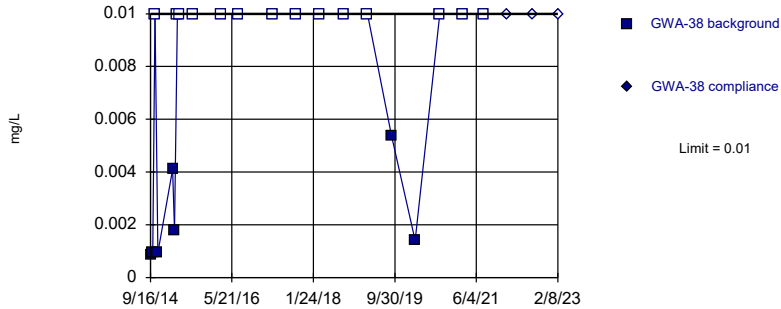


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

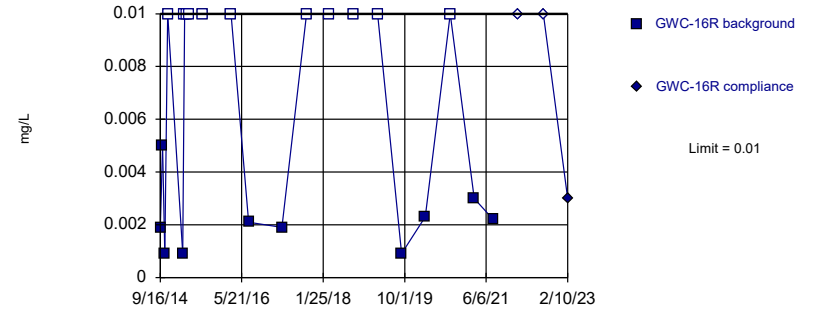


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

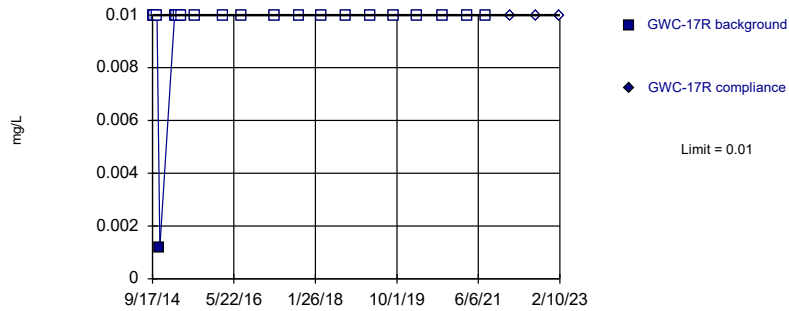


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

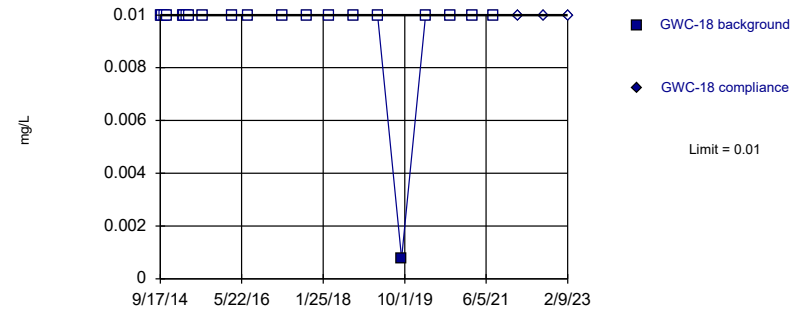


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

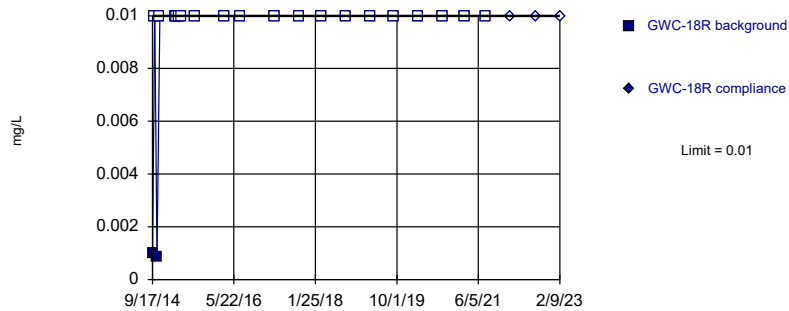


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

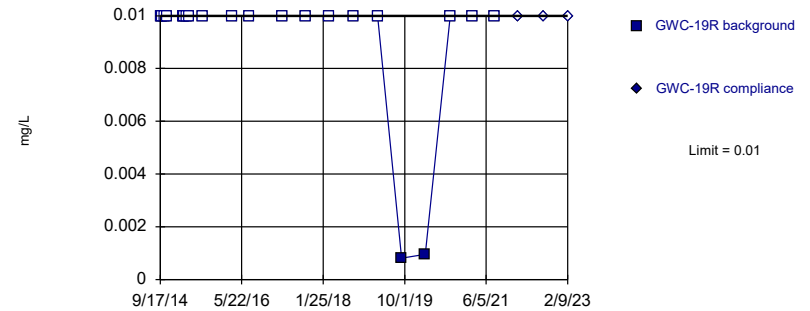


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

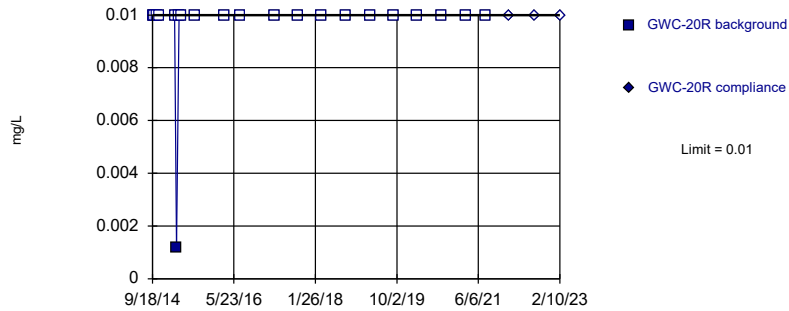


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

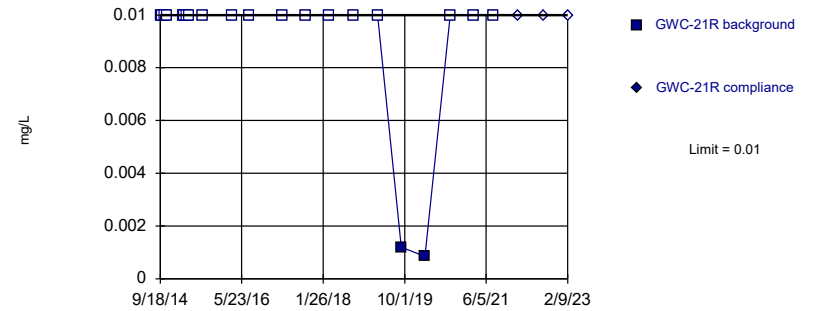


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

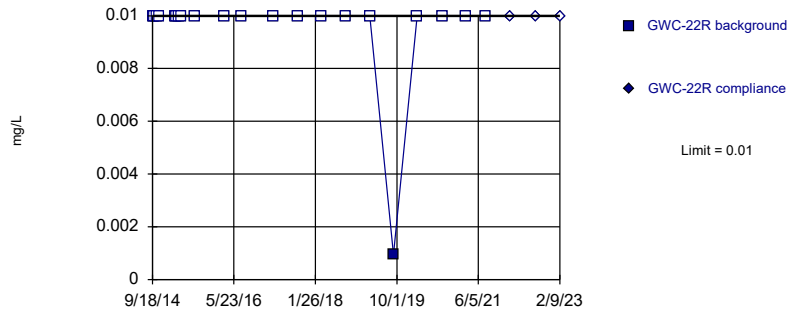


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

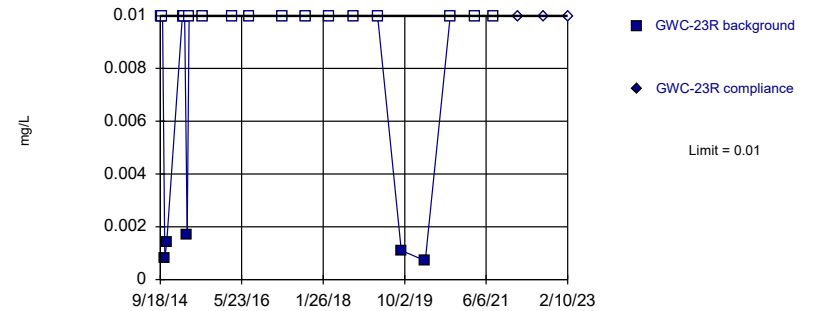


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

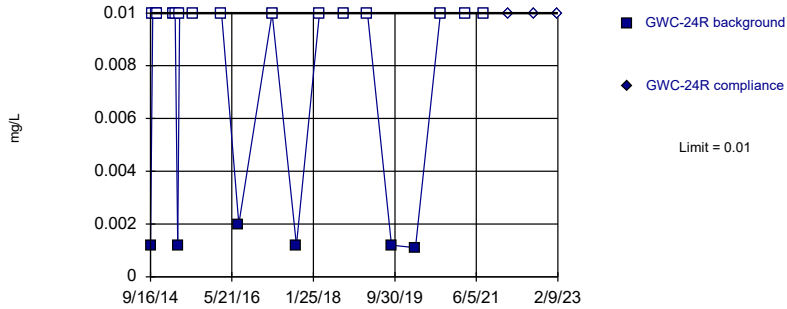


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

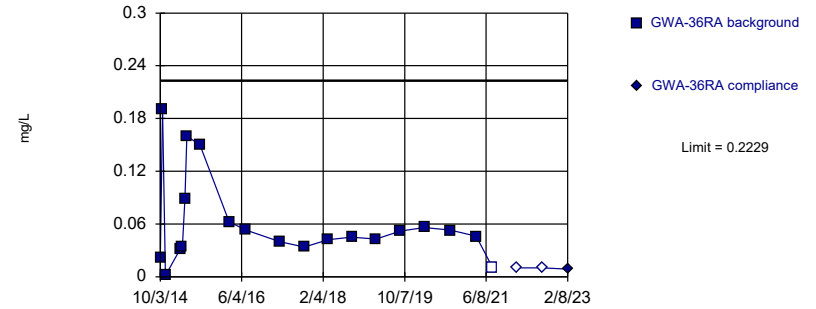


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

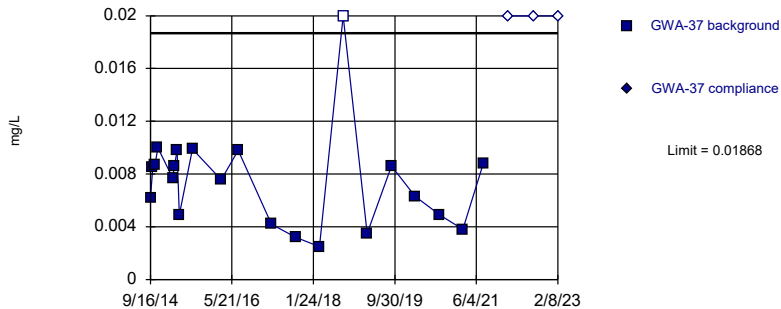


Background Data Summary (based on square root transformation): Mean=0.2283, Std. Dev.=0.09508, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9131, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

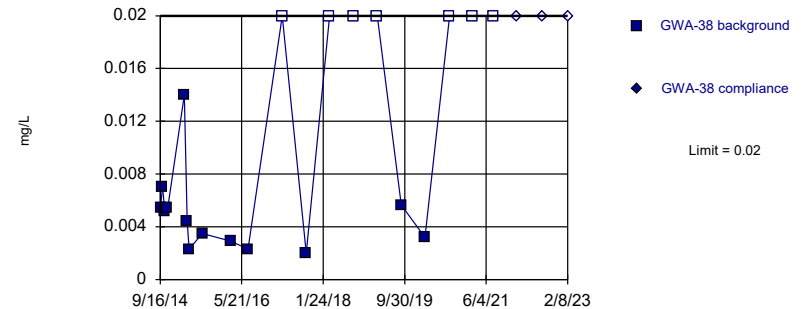


Background Data Summary (based on square root transformation): Mean=0.08422, Std. Dev.=0.02062, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9186, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



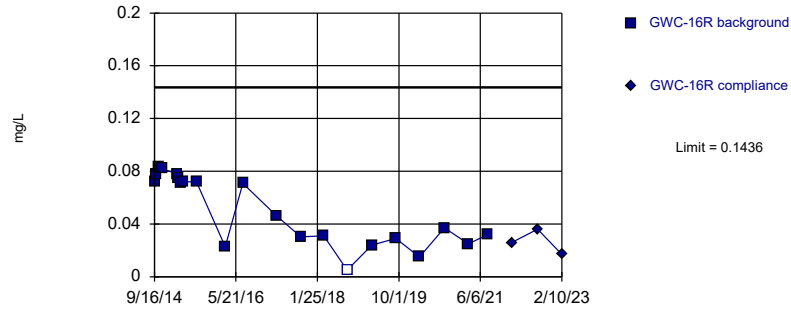
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric



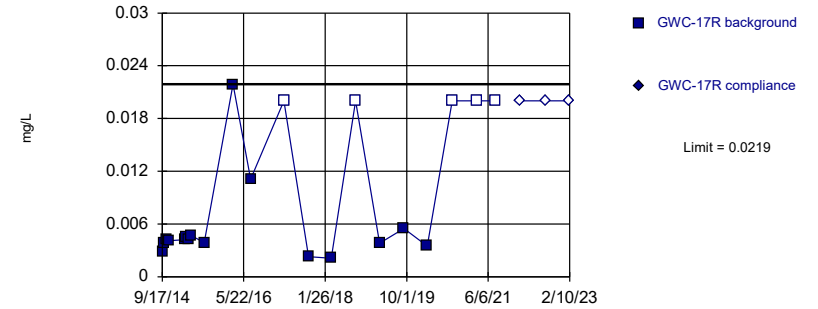
Background Data Summary (based on square root transformation): Mean=0.2147, Std. Dev.=0.06456, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8795, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



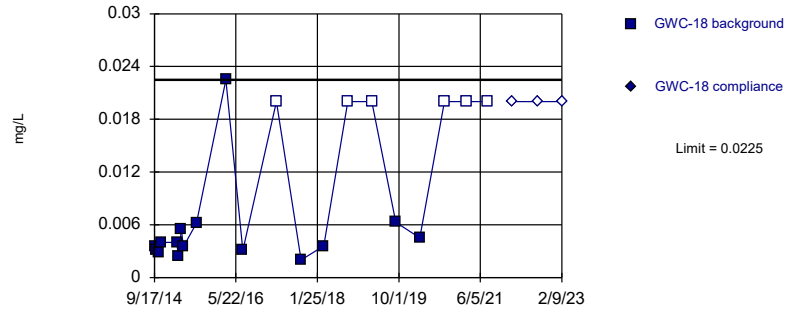
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Non-parametric



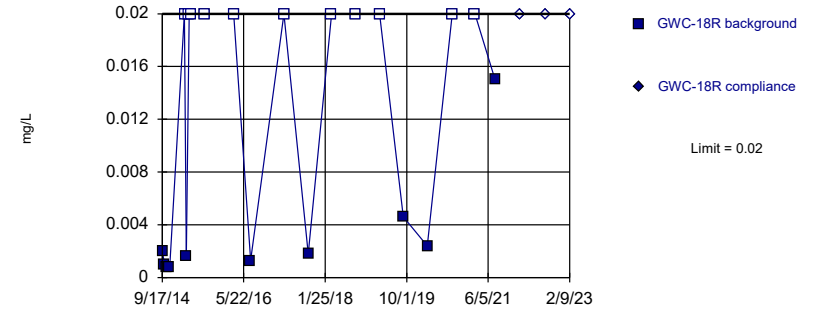
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

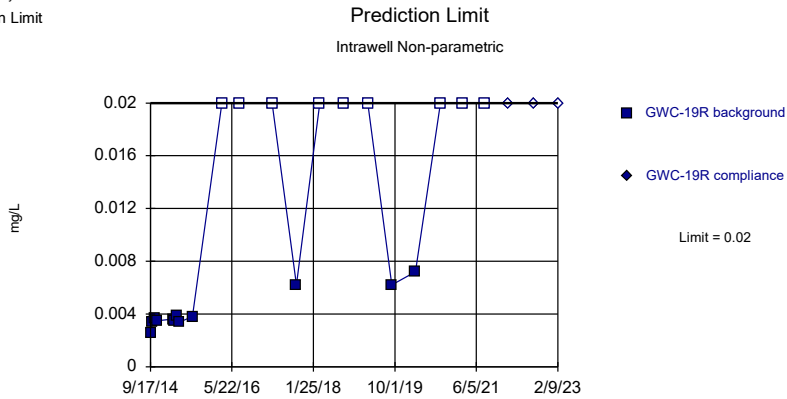
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

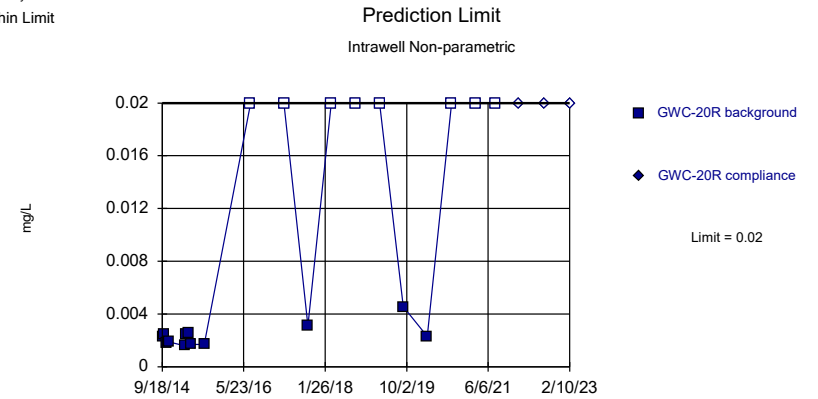
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

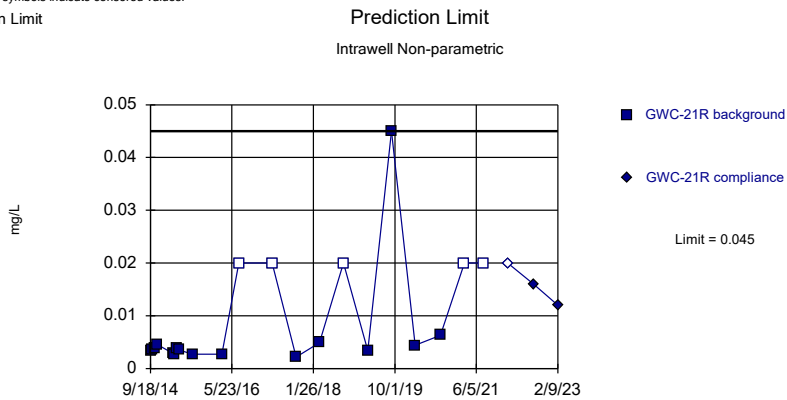
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 40% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

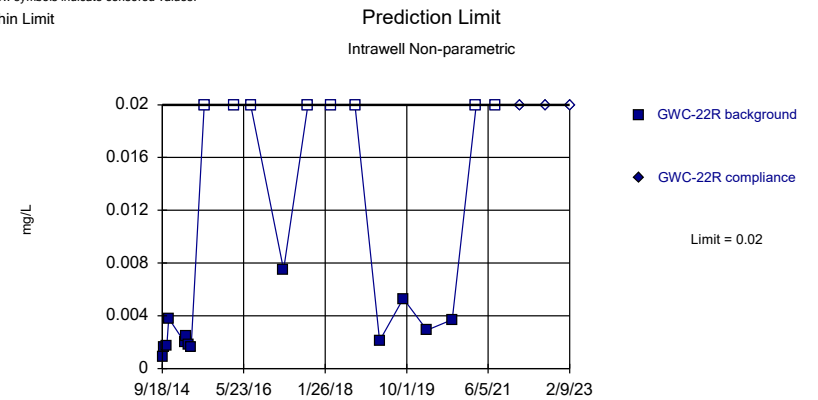
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

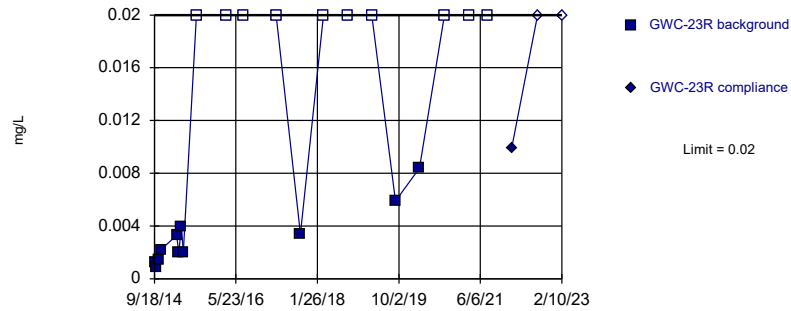


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:21 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

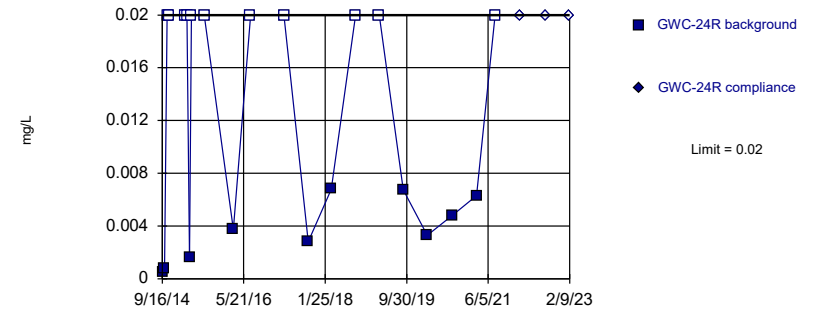


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:22 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

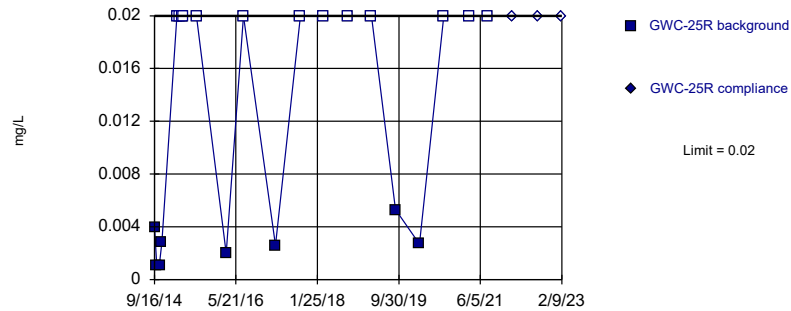


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:22 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 3/23/2023 5:22 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/21/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/7/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/14/2020	<0.003	
3/26/2021	0.00092 (J)	
7/27/2021	<0.003	
1/26/2022		<0.003
8/8/2022		0.0015 (J)
2/8/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	0.00214 (J)	
5/3/2016	0.00178 (J)	
7/8/2016	0.0023 (J)	
9/7/2016	0.0039	
10/25/2016	0.0035	
1/6/2017	0.0052	
3/14/2017	0.003	
5/16/2017	0.0026 (J)	
9/15/2017	0.0016 (J)	
3/12/2018	0.0023 (J)	
9/6/2018	0.0024 (J)	
3/6/2019	0.0019 (J)	
9/4/2019	0.0029 (J)	
3/2/2020	0.0018 (J)	
9/3/2020	0.0012 (J)	
2/24/2021	0.0012 (J)	
7/28/2021	0.0016 (J)	
1/26/2022		<0.003
8/8/2022		0.0018 (J)
2/8/2023		0.0013 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.0083	
10/4/2014	<0.0083	
10/21/2014	<0.0083	
11/11/2014	<0.0083	
3/3/2015	<0.0083	
3/18/2015	<0.0083	
4/6/2015	<0.0083	
4/23/2015	<0.0083	
7/29/2015	<0.0083	
3/3/2016	0.00472 (D)	
5/10/2016	0.0047	
7/13/2016	<0.0083	
9/15/2016	0.0013 (J)	
11/2/2016	0.0021 (J)	
1/11/2017	0.0086	
3/20/2017	0.0187	
5/23/2017	0.0097	
9/21/2017	0.0078	
3/14/2018	0.015	
9/7/2018	0.0026 (J)	
3/11/2019	0.02	
9/9/2019	0.011	
3/4/2020	0.019	
9/9/2020	0.015	
3/9/2021	0.018	
7/30/2021	0.019	
1/28/2022		0.027
8/11/2022		0.0099
2/10/2023		0.02

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/6/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/4/2016	<0.003	
5/10/2016	0.000641 (J)	
7/14/2016	<0.003	
9/14/2016	0.0012 (J)	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/10/2019	<0.003	
3/5/2020	<0.003	
9/9/2020	<0.003	
3/10/2021	<0.003	
7/30/2021	<0.003	
1/28/2022		<0.003
8/11/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/6/2020	0.00049 (J)	
9/9/2020	<0.003	
2/26/2021	<0.003	
7/29/2021	<0.003	
1/28/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	0.000672 (J)	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	0.0005 (J)	
5/22/2017	<0.003	
9/21/2017	0.0008 (J)	
3/14/2018	<0.003	
9/7/2018	<0.003	
3/12/2019	0.00091 (J)	
9/6/2019	0.00028 (J)	
3/5/2020	0.00068 (J)	
9/9/2020	<0.003	
2/26/2021	0.00059 (J)	
7/29/2021	0.0024 (J)	
1/27/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	0.001755 (JD)	
3/5/2020	<0.003	
9/4/2020	<0.003	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0056	
10/5/2014	<0.0056	
10/22/2014	<0.0056	
11/5/2014	<0.0056	
3/4/2015	<0.0056	
3/19/2015	<0.0056	
4/8/2015	<0.0056	
4/24/2015	<0.0056	
7/30/2015	<0.0056	
3/8/2016	0.00318	
5/9/2016	0.00454	
7/15/2016	<0.0056	
9/9/2016	0.0033	
10/27/2016	0.0046	
1/12/2017	0.0064	
3/21/2017	0.0058	
5/23/2017	0.0023 (J)	
9/19/2017	0.0018 (J)	
3/14/2018	0.0063	
9/10/2018	0.0033	
3/11/2019	0.0029 (J)	
9/6/2019	0.01	
3/3/2020	0.0019 (J)	
9/8/2020	0.0041	
3/9/2021	0.0024 (J)	
8/2/2021	0.0048	
1/28/2022		0.0061
8/10/2022		0.0081
2/9/2023		0.0064

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/9/2016	0.003	
5/6/2016	0.000666 (J)	
7/15/2016	<0.003	
9/14/2016	0.0022 (J)	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	0.0006 (J)	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	0.00029 (J)	
3/5/2020	<0.003	
9/9/2020	<0.003	
3/10/2021	<0.003	
7/30/2021	<0.003	
1/28/2022		<0.003
8/11/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/4/2016	0.0271 (Jo)	
5/5/2016	0.000761 (J)	
7/12/2016	0.0094 (o)	
9/13/2016	0.0072 (o)	
10/27/2016	0.005	
1/13/2017	0.0012 (J)	
3/20/2017	0.0014 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	<0.003	
3/13/2018	0.0016 (J)	
9/11/2018	<0.003	
3/8/2019	<0.003	
9/5/2019	0.00031 (JD)	
3/3/2020	<0.003	
9/9/2020	0.00094 (J)	
3/9/2021	0.00035 (J)	
7/29/2021	0.0011 (J)	
1/28/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/9/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	0.0226 (o)	
5/4/2016	0.00107 (J)	
7/18/2016	0.0004 (J)	
9/13/2016	0.0028 (J)	
10/27/2016	0.0011 (J)	
1/13/2017	<0.003	
3/16/2017	0.0009 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.00093 (J)	
9/11/2018	<0.003	
3/8/2019	<0.003	
9/5/2019	<0.003	
3/3/2020	<0.003	
9/4/2020	0.0013 (J)	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0036 (J)	
10/3/2014	<0.005	
10/20/2014	0.0022 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0008 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0005 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00053 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/26/2022		0.0019 (J)
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0062	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/25/2016	<0.005	
2/9/2017	<0.005	
3/23/2017	<0.005	
5/17/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	0.00061 (J)	
9/6/2018	0.00071 (J)	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00059 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.08869 (oD)	
5/10/2016	0.00128 (J)	
7/13/2016	0.001 (J)	
9/15/2016	0.0017 (J)	
11/2/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/21/2017	0.001 (J)	
3/14/2018	0.0013 (J)	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	0.00094 (J)	
3/4/2020	0.00088 (J)	
9/9/2020	0.0011 (J)	
3/9/2021	0.00094 (J)	
7/30/2021	0.0025 (J)	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0009 (J)	
5/23/2017	<0.005	
9/22/2017	0.0008 (J)	
3/14/2018	0.00092 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	0.0053	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	0.00091 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00099 (J)	
3/6/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	0.0015 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0006 (J)	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	0.00057 (J)	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	0.00042 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	0.002 (J)	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0007 (J)	
5/22/2017	<0.005	
9/20/2017	<0.005	
3/14/2018	0.00076 (J)	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00082 (J)	
3/4/2020	0.00072 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005	
9/19/2017	0.0006 (J)	
3/14/2018	0.0011 (J)	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00047 (JD)	
3/5/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.0028 (J)	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0148 (o)	
5/9/2016	0.00347 (J)	
7/15/2016	0.0017 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	0.002 (J)	
3/21/2017	0.0021 (J)	
5/23/2017	<0.005	
9/19/2017	0.0013 (J)	
3/14/2018	0.0033 (J)	
9/10/2018	<0.005	
3/11/2019	0.0038 (J)	
9/6/2019	0.0024 (J)	
3/3/2020	0.0015 (J)	
9/8/2020	0.0023 (J)	
3/9/2021	0.0045 (J)	
8/2/2021	0.0071	
1/28/2022		0.0031 (J)
8/10/2022		0.0025 (J)
2/9/2023		0.0025 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	0.001 (J)	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/19/2017	0.0021 (J)	
3/13/2018	0.00087 (J)	
9/7/2018	<0.005	
3/11/2019	0.00099 (J)	
9/5/2019	0.0024 (J)	
3/3/2020	0.0014 (J)	
9/8/2020	0.0025 (J)	
3/9/2021	0.0018 (J)	
8/2/2021	0.0041 (J)	
1/27/2022		0.0045 (J)
8/10/2022		0.0035 (J)
2/9/2023		0.003 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0006 (J)	
9/21/2017	<0.005	
3/14/2018	0.0014 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00054 (J)	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	0.006	
1/28/2022		0.0026 (J)
8/11/2022		<0.005
2/10/2023		0.0032 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0015 (J)	
5/5/2016	<0.005	
7/12/2016	0.0009 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0013 (J)	
5/19/2017	0.001 (J)	
9/19/2017	<0.005	
3/13/2018	0.0015 (J)	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.0005 (JD)	
3/3/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	0.0031 (J)	
1/28/2022		0.0021 (J)
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0004 (J)	
5/19/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	0.00073 (J)	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.0036 (J)	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.031	
10/3/2014	0.024	
10/20/2014	0.024	
11/10/2014	0.014	
3/2/2015	0.013	
3/17/2015	0.013	
4/5/2015	0.022	
4/21/2015	0.018	
7/28/2015	0.022	
3/1/2016	0.021	
5/2/2016	0.0225	
7/6/2016	0.0249	
9/7/2016	0.0251	
10/25/2016	0.0274	
1/5/2017	0.028	
3/14/2017	0.02	
5/16/2017	0.0221	
9/15/2017	0.0231	
3/12/2018	0.023	
9/6/2018	0.024	
3/7/2019	0.018	
9/4/2019	0.026	
3/2/2020	0.024	
9/14/2020	0.03	
3/26/2021	0.02	
7/27/2021	0.043	
1/26/2022		0.035
8/8/2022		0.038
2/8/2023		0.038

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0071	
10/3/2014	0.0087	
10/20/2014	0.0085	
11/10/2014	0.008	
3/2/2015	0.0063	
3/17/2015	0.0066	
4/5/2015	0.0068	
4/22/2015	0.0094	
7/28/2015	0.0057	
3/1/2016	0.0101	
5/3/2016	0.0104	
7/8/2016	0.0095 (J)	
9/7/2016	0.0095 (J)	
10/25/2016	0.0121	
1/6/2017	0.014	
3/14/2017	0.009 (J)	
5/16/2017	0.0084 (J)	
9/15/2017	0.0078 (J)	
3/12/2018	0.006 (J)	
9/6/2018	0.0058 (J)	
3/6/2019	0.0052 (J)	
9/4/2019	0.005 (J)	
3/2/2020	0.005 (J)	
9/3/2020	0.0045 (J)	
2/24/2021	0.0044 (J)	
7/28/2021	0.0052	
1/26/2022		0.0046 (J)
8/8/2022		0.0035 (J)
2/8/2023		0.0039 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.014	
10/3/2014	0.016	
10/20/2014	0.014	
11/10/2014	0.015	
3/2/2015	0.03 (o)	
3/17/2015	0.018	
4/6/2015	0.014	
4/22/2015	0.012	
7/28/2015	0.012	
3/2/2016	0.0123	
5/3/2016	0.0114	
7/7/2016	0.012	
9/8/2016	0.0131	
10/25/2016	0.0122	
2/9/2017	0.0104	
3/23/2017	0.0128	
5/17/2017	0.0113	
9/19/2017	0.0114	
3/13/2018	0.011	
9/6/2018	0.011	
3/7/2019	0.011	
9/4/2019	0.0115 (D)	
3/2/2020	0.012	
9/3/2020	0.011	
2/24/2021	0.013	
7/28/2021	0.013	
1/25/2022		0.012
8/5/2022		0.012
2/8/2023		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.069	
10/4/2014	0.057	
10/21/2014	0.056	
11/11/2014	0.05	
3/3/2015	0.045	
3/18/2015	0.044	
4/6/2015	0.045	
4/23/2015	0.041	
7/29/2015	0.043	
3/3/2016	0.0806	
5/10/2016	0.0495	
7/13/2016	0.0374	
9/15/2016	0.0542	
11/2/2016	0.0561	
1/11/2017	0.0401	
3/20/2017	0.0383	
5/23/2017	0.0376	
9/21/2017	0.0418	
3/14/2018	0.036	
9/7/2018	0.047	
3/11/2019	0.044	
9/9/2019	0.03	
3/4/2020	0.045	
9/9/2020	0.051	
3/9/2021	0.058	
7/30/2021	0.045	
1/28/2022		0.049
8/11/2022		0.034
2/10/2023		0.053

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.019	
10/4/2014	0.02	
10/21/2014	0.02	
11/11/2014	0.021	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.02	
3/4/2016	0.0262 (Jo)	
5/10/2016	0.0204	
7/14/2016	0.0198	
9/14/2016	0.0183	
11/1/2016	0.0209	
1/11/2017	0.0194	
3/21/2017	0.0201	
5/23/2017	0.0199	
9/22/2017	0.0195	
3/14/2018	0.02	
9/11/2018	0.019	
3/12/2019	0.021	
9/10/2019	0.019	
3/5/2020	0.018	
9/9/2020	0.018	
3/10/2021	0.019	
7/30/2021	0.019	
1/28/2022		0.018
8/11/2022		0.017
2/10/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.035	
10/4/2014	0.038	
10/21/2014	0.034	
11/5/2014	0.04	
3/3/2015	0.033	
3/18/2015	0.031	
4/7/2015	0.038	
4/23/2015	0.031	
7/29/2015	0.045	
3/7/2016	<3 (o)	
5/5/2016	0.0278	
7/13/2016	0.0255	
9/13/2016	0.0251	
10/31/2016	0.0277	
1/12/2017	0.0258	
3/23/2017	0.0254	
5/23/2017	0.0247	
9/25/2017	0.0228	
3/14/2018	0.025	
9/11/2018	0.019	
3/12/2019	0.014	
9/9/2019	0.028	
3/6/2020	0.015	
9/9/2020	0.016	
2/26/2021	0.017	
7/29/2021	0.016	
1/28/2022		0.044
8/10/2022		0.013
2/9/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.015	
10/4/2014	<0.0013	
10/21/2014	0.027 (o)	
11/11/2014	0.028 (o)	
3/3/2015	0.034 (o)	
3/18/2015	0.014	
4/7/2015	0.017	
4/23/2015	0.013	
7/29/2015	0.013	
3/7/2016	0.0129	
5/5/2016	0.0149	
7/13/2016	0.0132	
9/12/2016	0.0142	
11/1/2016	0.0127	
1/11/2017	0.0146	
3/20/2017	0.0147	
5/22/2017	0.0146	
9/21/2017	0.0152	
3/14/2018	0.014	
9/7/2018	0.015	
3/12/2019	0.014	
9/6/2019	0.014	
3/5/2020	0.015	
9/9/2020	0.014	
2/26/2021	0.015	
7/29/2021	0.015	
1/27/2022		0.014
8/10/2022		0.014
2/9/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.018	
10/4/2014	0.017	
10/21/2014	0.017	
11/5/2014	0.017	
3/3/2015	0.016	
3/19/2015	0.015	
4/7/2015	0.017	
4/24/2015	0.015	
7/29/2015	0.016	
3/7/2016	<3 (o)	
5/9/2016	0.0162	
7/14/2016	0.0142	
9/12/2016	0.0154	
10/31/2016	0.015	
1/11/2017	0.0148	
3/21/2017	0.0159	
5/22/2017	0.0155	
9/20/2017	0.0164	
3/14/2018	0.016	
9/10/2018	0.016	
3/12/2019	0.016	
9/9/2019	0.015	
3/4/2020	0.017	
9/9/2020	0.014	
2/26/2021	0.016	
8/5/2021	0.017	
1/27/2022		0.016
8/9/2022		0.014
2/9/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.031	
10/5/2014	0.032	
10/22/2014	0.03	
11/5/2014	0.031	
3/4/2015	0.026	
3/19/2015	0.028	
4/7/2015	0.031	
4/24/2015	0.027	
7/30/2015	0.032	
3/8/2016	0.0298	
5/9/2016	0.0304	
7/14/2016	0.0307	
9/12/2016	0.0331	
10/31/2016	0.0321	
1/12/2017	0.0291	
3/22/2017	0.025	
5/22/2017	0.0276	
9/19/2017	0.034	
3/14/2018	0.03	
9/10/2018	0.028	
3/12/2019	0.03	
9/6/2019	0.0275 (D)	
3/5/2020	0.028	
9/4/2020	0.033	
3/9/2021	0.027	
8/2/2021	0.03	
1/27/2022		0.028
8/9/2022		0.029
2/10/2023		0.031

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.023	
10/5/2014	0.025	
10/22/2014	0.025	
11/5/2014	0.025	
3/4/2015	0.024	
3/19/2015	0.024	
4/8/2015	0.027	
4/24/2015	0.025	
7/30/2015	0.025	
3/8/2016	0.0377	
5/9/2016	0.0347	
7/15/2016	0.0259	
9/9/2016	0.0242	
10/27/2016	0.0227	
1/12/2017	0.0253	
3/21/2017	0.0292	
5/23/2017	0.0282	
9/19/2017	0.0276	
3/14/2018	0.024	
9/10/2018	0.016	
3/11/2019	0.015	
9/6/2019	0.041	
3/3/2020	0.022	
9/8/2020	0.015	
3/9/2021	0.014	
8/2/2021	0.024	
1/28/2022		0.037
8/10/2022		0.03
2/9/2023		0.031

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.057	
10/5/2014	0.052	
10/22/2014	0.052	
11/5/2014	<0.0013	
3/4/2015	0.046	
3/19/2015	0.045	
4/8/2015	0.045	
4/24/2015	0.039	
7/30/2015	0.039	
3/7/2016	0.026	
5/5/2016	0.0374	
7/14/2016	0.0271	
9/12/2016	0.045	
10/27/2016	0.0359	
1/13/2017	0.0338	
3/20/2017	0.033	
5/23/2017	0.0287	
9/19/2017	0.0389	
3/13/2018	0.028	
9/7/2018	0.055	
3/11/2019	0.048	
9/5/2019	0.045	
3/3/2020	0.044	
9/8/2020	0.054	
3/9/2021	0.045	
8/2/2021	0.034	
1/27/2022		0.06
8/10/2022		0.042
2/9/2023		0.04

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.042	
10/5/2014	0.038	
10/22/2014	0.029	
11/5/2014	0.031	
3/4/2015	0.03	
3/20/2015	0.027	
4/8/2015	0.032	
4/23/2015	0.026	
7/30/2015	0.029	
3/9/2016	0.0284 (J)	
5/6/2016	0.0233	
7/15/2016	0.0208	
9/14/2016	0.0198	
11/1/2016	0.0207	
1/25/2017	0.0195	
3/22/2017	0.0211	
5/24/2017	0.0217	
9/21/2017	0.0226	
3/14/2018	0.024	
9/11/2018	0.023	
3/12/2019	0.022	
9/6/2019	0.021	
3/5/2020	0.022	
9/9/2020	0.036	
3/10/2021	0.026	
7/30/2021	0.028	
1/28/2022		0.036
8/11/2022		0.034
2/10/2023		0.038

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.019	
10/4/2014	0.019	
10/23/2014	0.019	
11/10/2014	0.019	
3/4/2015	0.021	
3/20/2015	0.02	
4/8/2015	0.023	
4/23/2015	0.02	
7/30/2015	0.021	
3/4/2016	0.0422 (o)	
5/5/2016	0.0249	
7/12/2016	0.0246	
9/13/2016	0.0236	
10/27/2016	0.0229	
1/13/2017	0.0292	
3/20/2017	0.029	
5/19/2017	0.0295	
9/19/2017	0.0248	
3/13/2018	0.031	
9/11/2018	0.024	
3/8/2019	0.02	
9/5/2019	0.021 (D)	
3/3/2020	0.02	
9/9/2020	0.024	
3/9/2021	0.021	
7/29/2021	0.014	
1/28/2022		0.025
8/9/2022		0.015
2/9/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.015	
10/4/2014	0.015	
10/23/2014	0.015	
11/10/2014	0.015	
3/4/2015	0.016	
3/20/2015	0.015	
4/9/2015	0.016	
4/23/2015	0.015	
7/30/2015	0.015	
3/8/2016	0.0161	
5/4/2016	0.0167	
7/18/2016	0.0162	
9/13/2016	0.0161	
10/27/2016	0.016	
1/13/2017	0.015	
3/16/2017	0.0163	
5/19/2017	0.0164	
9/19/2017	0.0147	
3/13/2018	0.015	
9/11/2018	0.015	
3/8/2019	0.017	
9/5/2019	0.016	
3/3/2020	0.015	
9/4/2020	0.016	
3/9/2021	0.016	
8/2/2021	0.018	
1/27/2022		0.017
8/9/2022		0.015
2/9/2023		0.016

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0032	
10/3/2014	<0.003	
10/20/2014	0.0014	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	8.3E-05 (J)	
4/5/2015	0.00038 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00092 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	0.0002 (J)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/14/2017	0.0001 (J)	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	5.6E-05 (J)	
9/6/2018	<0.003	
3/7/2019	6.8E-05 (J)	
9/4/2019	<0.003	
3/2/2020	0.00015 (J)	
9/14/2020	0.00012 (J)	
3/26/2021	0.00019 (J)	
7/27/2021	8.1E-05 (J)	
1/26/2022		<0.003
8/8/2022		<0.003
2/8/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	8.3E-05 (J)	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/6/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/3/2020	<0.003	
2/24/2021	<0.003	
7/28/2021	<0.003	
1/26/2022		<0.003
8/8/2022		<0.003
2/8/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.003	
10/3/2014	8.3E-05 (J)	
10/20/2014	7.8E-05 (J)	
11/10/2014	8E-05 (J)	
3/2/2015	0.00034 (J)	
3/17/2015	0.00014 (J)	
4/6/2015	<0.003	
4/22/2015	7.8E-05 (J)	
7/28/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/3/2020	<0.003	
2/24/2021	<0.003	
7/28/2021	<0.003	
1/25/2022		<0.003
8/5/2022		<0.003
2/8/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	9E-05 (J)	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	7.8E-05 (J)	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/6/2020	<0.003	
9/9/2020	<0.003	
2/26/2021	<0.003	
7/29/2021	<0.003	
1/28/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	7.8E-05 (J)	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/22/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	0.00011 (J)	
9/7/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	<0.003	
3/5/2020	0.00013 (J)	
9/9/2020	0.0002 (J)	
2/26/2021	0.0002 (J)	
7/29/2021	0.00015 (J)	
1/27/2022		5.5E-05 (J)
8/10/2022		5.6E-05 (J)
2/9/2023		0.00015 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	0.0001 (J)	
3/14/2018	6.5E-05 (J)	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/4/2020	0.00013 (J)	
9/9/2020	<0.003	
2/26/2021	<0.003	
8/5/2021	9.9E-05 (J)	
1/27/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	8.3E-05 (J)	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	<0.003	
3/5/2020	<0.003	
9/4/2020	<0.003	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/10/2023		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.001 (J)	
10/3/2014	<0.0005	
10/20/2014	0.00036 (J)	
11/10/2014	<0.0005	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	0.00044 (J)	
7/28/2015	0.00027 (J)	
3/1/2016	0.000207 (J)	
5/2/2016	0.000154 (J)	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/25/2016	0.0002 (J)	
1/5/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	0.0001 (J)	
9/15/2017	<0.0005	
3/12/2018	0.00013 (J)	
9/6/2018	0.00011 (J)	
3/7/2019	0.00017 (J)	
9/4/2019	0.00016 (J)	
3/2/2020	0.00018 (J)	
9/14/2020	0.00016 (J)	
3/26/2021	0.00015 (J)	
7/27/2021	0.00014 (J)	
1/26/2022		<0.0005
8/8/2022		0.00016 (J)
2/8/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	0.00026 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/1/2016	0.000103 (J)	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/6/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019	9.3E-05 (J)	
9/4/2019	<0.0005	
3/2/2020	<0.0005	
9/3/2020	<0.0005	
2/24/2021	<0.0005	
7/28/2021	0.00025 (J)	
1/26/2022		<0.0005
8/8/2022		0.00032 (J)
2/8/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	<0.0005	
3/2/2015	0.00035 (J)	
3/17/2015	<0.0005	
4/6/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/2/2016	0.000109 (J)	
5/3/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	0.0001 (J)	
10/25/2016	<0.0005	
2/9/2017	0.0001 (J)	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019	<0.0005	
9/4/2019	<0.0005	
3/2/2020	<0.0005	
9/3/2020	<0.0005	
2/24/2021	<0.0005	
7/28/2021	<0.0005	
1/25/2022		<0.0005
8/5/2022		<0.0005
2/8/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.0005	
10/4/2014	<0.0005	
10/21/2014	<0.0005	
11/5/2014	<0.0005	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/13/2016	<0.0005	
10/31/2016	8E-05 (J)	
1/12/2017	<0.0005	
3/23/2017	<0.0005	
5/23/2017	<0.0005	
9/25/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019	<0.0005	
9/9/2019	<0.0005	
3/6/2020	<0.0005	
9/9/2020	<0.0005	
2/26/2021	<0.0005	
7/29/2021	<0.0005	
1/28/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/15/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/12/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	0.00021 (J)	
3/11/2019	<0.0005	
9/6/2019	<0.0005	
3/3/2020	<0.0005	
9/8/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/28/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	8E-05 (J)	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019	<0.0005	
9/5/2019	<0.0005	
3/3/2020	<0.0005	
9/8/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/27/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.0005	
10/4/2014	<0.0005	
10/23/2014	<0.0005	
11/10/2014	<0.0005	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/9/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/4/2016	<0.0005	
7/18/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	0.0001 (J)	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019	<0.0005	
9/5/2019	<0.0005	
3/3/2020	<0.0005	
9/4/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/27/2022		<0.0005
8/9/2022		<0.0005
2/9/2023		<0.0005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0028	
10/3/2014	<0.005	
10/20/2014	0.0029	
11/10/2014	0.0017	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0018	
7/28/2015	0.0015	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0005 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	0.0008 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	0.0013 (J)	
3/2/2020	0.00047 (J)	
9/14/2020	<0.005	
3/26/2021	0.0006 (J)	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0015	
10/3/2014	0.0015	
10/20/2014	0.0011 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0006 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	0.018 (o)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0026	
10/3/2014	0.0021	
10/20/2014	0.0023	
11/10/2014	0.0022	
3/2/2015	0.0021	
3/17/2015	0.0022	
4/6/2015	0.0016	
4/22/2015	0.0013	
7/28/2015	0.0014	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	0.002 (J)	
9/8/2016	0.001 (J)	
10/25/2016	0.0028 (J)	
2/9/2017	0.0012 (J)	
3/23/2017	<0.005	
5/17/2017	0.0019 (J)	
9/19/2017	0.0022 (J)	
3/13/2018	0.0017 (J)	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	0.00155 (JD)	
3/2/2020	0.0014 (J)	
9/3/2020	0.0013 (J)	
2/24/2021	0.0018 (J)	
7/28/2021	0.0015 (J)	
1/25/2022		0.0014 (J)
8/5/2022		<0.005
2/8/2023		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0033	
10/4/2014	0.0011 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	0.001 (J)	
7/29/2015	<0.005	
3/3/2016	<0.005	
5/10/2016	<0.005	
7/13/2016	0.0008 (J)	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/11/2017	0.0012 (J)	
3/20/2017	0.0013 (J)	
5/23/2017	0.0007 (J)	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.0014 (J)	
9/9/2020	0.00056 (J)	
3/9/2021	0.0024 (J)	
7/30/2021	0.0017 (J)	
1/28/2022		0.0011 (J)
8/11/2022		<0.005
2/10/2023		0.0011 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0014	
3/3/2015	0.001 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	0.0035 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	0.0021 (J)	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	0.00063 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	0.0034	
10/21/2014	<0.01	
11/5/2014	0.0042	
3/3/2015	0.0038	
3/18/2015	0.0031	
4/7/2015	0.0037	
4/23/2015	0.0033	
7/29/2015	0.0033	
3/7/2016	<0.01 (o)	
5/5/2016	0.00385 (J)	
7/13/2016	0.0029 (J)	
9/13/2016	0.0029 (J)	
10/31/2016	0.0017 (J)	
1/12/2017	0.0025 (J)	
3/23/2017	<0.01 (o)	
5/23/2017	0.0029 (J)	
9/25/2017	0.0018 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	0.0017 (J)	
3/12/2019	<0.01	
9/9/2019	0.001 (J)	
3/6/2020	0.0019 (J)	
9/9/2020	0.001 (J)	
2/26/2021	0.0014 (J)	
7/29/2021	0.0014 (J)	
1/28/2022		0.0014 (J)
8/10/2022		0.0014 (J)
2/9/2023		0.0015 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.025 (o)	
10/21/2014	0.024 (o)	
11/11/2014	0.025 (o)	
3/3/2015	0.029 (o)	
3/18/2015	<0.005	
4/7/2015	0.008	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	0.0006 (J)	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0005	
5/22/2017	0.0005	
9/21/2017	0.0008	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00053 (J)	
3/5/2020	0.0007 (J)	
9/9/2020	<0.005	
2/26/2021	0.00069 (J)	
7/29/2021	<0.005	
1/27/2022		0.0015 (J)
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	0.001 (J)	
10/21/2014	0.0011 (J)	
11/5/2014	0.001 (J)	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0005 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/22/2017	0.0005 (J)	
9/20/2017	0.0008 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00056 (J)	
3/4/2020	0.001 (J)	
9/9/2020	<0.005	
2/26/2021	0.00067 (J)	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	0.001 (J)	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	0.0011 (J)	
3/22/2017	<0.005	
5/22/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00071 (JD)	
3/5/2020	0.00075 (J)	
9/4/2020	0.00078 (J)	
3/9/2021	0.00094 (J)	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.001 (J)	
10/5/2014	0.0013	
10/22/2014	0.0016	
11/5/2014	0.0013	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.001 (J)	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/15/2016	<0.005	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	0.0004 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019	<0.005	
9/6/2019	0.00078 (J)	
3/3/2020	0.00058 (J)	
9/8/2020	0.0013 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/28/2022		<0.005
8/10/2022		0.0023 (J)
2/9/2023		0.0017 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0004 (J)	
5/23/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00057 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.0013	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	0.0012 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	0.0005 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	0.0023 (J)	
3/22/2017	<0.005	
5/24/2017	0.0011 (J)	
9/21/2017	0.0014 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	0.00086 (J)	
9/9/2020	<0.005	
3/10/2021	0.00073 (J)	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
5/5/2016	<0.005	
7/12/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00052 (J)	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	0.0005 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0008 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0007 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.00044 (J)	
3/3/2020	0.00078 (J)	
9/4/2020	0.00073 (J)	
3/9/2021	0.00079 (J)	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0039	
10/3/2014	<0.005	
10/20/2014	0.0014	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0012 (J)	
7/28/2015	0.0012 (J)	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	0.00096 (J)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.00077 (J)	
10/3/2014	0.0013	
10/20/2014	0.001 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00202 (J)	
5/3/2016	<0.005	
7/8/2016	0.0004 (J)	
9/7/2016	0.0009 (J)	
10/25/2016	0.0022 (J)	
1/6/2017	0.0011 (J)	
3/14/2017	0.0009 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0029	
10/20/2014	0.0022	
11/10/2014	0.0022	
3/17/2015	0.0044 (o)	
4/6/2015	0.002	
4/22/2015	0.0016	
7/28/2015	0.0017	
3/2/2016	<0.01 (o)	
5/3/2016	<0.01 (o)	
7/7/2016	0.0015 (J)	
9/8/2016	0.0018 (J)	
10/25/2016	0.0019 (J)	
2/9/2017	0.0017 (J)	
3/23/2017	0.0018 (J)	
5/17/2017	0.0016 (J)	
9/19/2017	0.0012 (J)	
3/13/2018	0.0013 (J)	
9/6/2018	0.00094 (J)	
3/7/2019	0.00087 (J)	
9/4/2019	0.000935 (JD)	
3/2/2020	0.0011 (J)	
9/3/2020	0.00091 (J)	
2/24/2021	0.0011 (J)	
7/28/2021	0.001 (J)	
1/25/2022		0.0011 (J)
8/5/2022		0.00095 (J)
2/8/2023		0.001 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0026	
10/4/2014	0.0015	
10/21/2014	0.00099 (J)	
11/11/2014	0.00097 (J)	
3/3/2015	0.00078 (J)	
3/18/2015	0.00081 (J)	
4/6/2015	0.0011 (J)	
4/23/2015	0.0007 (J)	
7/29/2015	<0.005	
3/3/2016	0.00451 (JD)	
5/10/2016	0.00478 (J)	
7/13/2016	0.0003 (J)	
9/15/2016	0.0018 (J)	
11/2/2016	0.0022 (J)	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/23/2017	0.001 (J)	
9/21/2017	0.0006 (J)	
3/14/2018	0.00058 (J)	
9/7/2018	0.0034 (J)	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	<0.005	
9/9/2020	0.00069 (J)	
3/9/2021	0.00047 (J)	
7/30/2021	0.00052 (J)	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0005 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	0.00076 (J)	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00063 (J)	
10/21/2014	0.00058 (J)	
11/11/2014	0.00058 (J)	
3/3/2015	0.00056 (J)	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0183 (J)	
5/9/2016	0.00239 (J)	
7/15/2016	0.0008 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	0.0005 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	0.00083 (J)	
9/10/2018	0.00071 (J)	
3/11/2019	0.00056 (J)	
9/6/2019	0.00051 (J)	
3/3/2020	<0.005	
9/8/2020	<0.005	
3/9/2021	0.0004 (J)	
8/2/2021	0.00048 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/5/2019	0.0012 (J)	
3/3/2020	0.00078 (J)	
9/8/2020	0.00087 (J)	
3/9/2021	0.00066 (J)	
8/2/2021	0.00045 (J)	
1/27/2022		0.0011 (J)
8/10/2022		0.00078 (J)
2/9/2023		0.00043 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.0006 (J)	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	0.0012 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0049 (J)	
10/3/2014	<0.005	
10/20/2014	0.0024 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0017 (J)	
7/28/2015	0.00097 (J)	
3/1/2016	<0.005	
7/6/2016	<0.005	
3/14/2017	0.0003 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00043 (J)	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.021	
10/20/2014	0.022	
11/10/2014	0.02	
3/2/2015	0.015	
3/17/2015	0.016	
4/5/2015	0.016	
4/22/2015	0.013	
7/28/2015	0.02	
3/1/2016	0.0103 (J)	
7/8/2016	0.0152 (J)	
3/14/2017	0.0085 (J)	
9/15/2017	0.0058 (J)	
3/12/2018	0.0053 (J)	
9/6/2018	0.0054 (J)	
3/6/2019	<0.025	
9/4/2019	0.0082 (J)	
3/2/2020	0.0068 (J)	
9/3/2020	0.0067 (J)	
2/24/2021	0.0083	
7/28/2021	0.014	
1/26/2022		0.013
8/8/2022		0.0087
2/8/2023		0.011

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	0.00089 (J)	
10/20/2014	0.00087 (J)	
11/10/2014	<0.005	
3/2/2015	0.004 (J)	
3/17/2015	0.0016 (J)	
4/6/2015	0.00083 (J)	
4/22/2015	0.00085 (J)	
7/28/2015	<0.005	
3/2/2016	<0.005	
7/7/2016	<0.005	
3/23/2017	<0.005	
9/19/2017	0.0004 (J)	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00019 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0042 (J)	
10/4/2014	0.0024 (J)	
10/21/2014	0.002 (J)	
11/11/2014	0.0021 (J)	
3/3/2015	0.0017 (J)	
3/18/2015	0.0019 (J)	
4/6/2015	0.0014 (J)	
4/23/2015	0.0022 (J)	
7/29/2015	0.00098 (J)	
3/3/2016	<0.005	
7/13/2016	0.0022 (J)	
3/20/2017	0.002 (J)	
9/21/2017	0.0018 (J)	
3/14/2018	0.0017 (J)	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	0.00082 (J)	
3/4/2020	0.0024 (J)	
9/9/2020	<0.005	
3/9/2021	0.0025 (J)	
7/30/2021	0.0024 (J)	
1/28/2022		0.00088 (J)
8/11/2022		<0.005
2/10/2023		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	0.0012 (J)	
10/21/2014	0.0011 (J)	
11/11/2014	0.0015 (J)	
3/3/2015	0.0012 (J)	
3/18/2015	<0.005	
4/6/2015	0.00083 (J)	
4/23/2015	0.0012 (J)	
7/29/2015	<0.005	
3/4/2016	<0.005	
7/14/2016	0.0124 (J)	
3/21/2017	0.0005 (J)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	0.00023 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	0.00023 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00086 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	0.0003 (J)	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	0.0006 (J)	
9/20/2017	0.0003 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.00036 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/14/2016	<0.005	
3/22/2017	<0.005	
9/19/2017	0.0008 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	0.0016 (J)	
10/22/2014	0.0018 (J)	
11/5/2014	0.0015 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.0016 (J)	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/15/2016	0.0009 (J)	
3/21/2017	0.0009 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019	<0.005	
9/6/2019	0.01 (J)	
3/3/2020	0.00049 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.00081 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		0.0011 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/20/2017	0.0012 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00022 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	0.0014 (J)	
3/20/2015	<0.005	
4/8/2015	0.0014 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
7/15/2016	<0.005	
3/22/2017	0.0005 (J)	
9/21/2017	0.0005 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00037 (J)	
3/5/2020	0.0003 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		0.00068 (J)
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	0.0011 (J)	
7/30/2015	<0.005	
3/4/2016	<0.005	
7/12/2016	<0.005	
3/20/2017	0.0003 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.001 (JD)	
3/3/2020	0.00097 (J)	
9/9/2020	0.0017 (J)	
3/9/2021	<0.005	
7/29/2021	0.00051 (J)	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/18/2016	<0.005	
3/16/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00027 (J)	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0069 (Jo)	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	0.0004 (J)	
9/7/2016	<0.001	
10/25/2016	0.0001 (J)	
1/5/2017	0.0002 (J)	
3/14/2017	0.0003 (J)	
5/16/2017	<0.001	
9/15/2017	8E-05 (J)	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	0.00031 (J)	
9/14/2020	0.00065 (J)	
3/26/2021	0.00095 (J)	
7/27/2021	<0.001	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.001	
1/6/2017	<0.001	
3/14/2017	0.0001 (J)	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/3/2020	<0.001	
2/24/2021	<0.001	
7/28/2021	0.13 (o)	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	0.0047 (J)	
3/17/2015	<0.001	
4/6/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/7/2016	0.0001 (J)	
9/8/2016	0.0001 (J)	
10/25/2016	0.0002 (J)	
2/9/2017	<0.001	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/3/2020	<0.001	
2/24/2021	<0.001	
7/28/2021	<0.001	
1/25/2022		<0.001
8/5/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/3/2016	<0.001	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0001 (J)	
3/20/2017	<0.001	
5/23/2017	8E-05 (J)	
9/21/2017	9E-05 (J)	
3/14/2018	<0.001	
9/7/2018	<0.001	
3/11/2019	<0.001	
9/9/2019	<0.001	
3/4/2020	<0.001	
9/9/2020	0.00017 (J)	
3/9/2021	0.00011 (J)	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/4/2016	<0.001	
5/10/2016	<0.001	
7/14/2016	0.0006 (J)	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/10/2019	<0.001	
3/5/2020	<0.001	
9/9/2020	<0.001	
3/10/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	0.0001 (J)	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	0.0002 (J)	
3/23/2017	0.0002 (J)	
5/23/2017	0.0002 (J)	
9/25/2017	8E-05 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	5E-05 (J)	
3/6/2020	0.00013 (J)	
9/9/2020	6E-05 (J)	
2/26/2021	9.4E-05 (J)	
7/29/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/12/2016	0.0002 (J)	
11/1/2016	0.0001 (J)	
1/11/2017	<0.001	
3/20/2017	7E-05 (J)	
5/22/2017	<0.001	
9/21/2017	0.0003 (J)	
3/14/2018	0.00035 (J)	
9/7/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	<0.001	
3/5/2020	0.00032 (J)	
9/9/2020	0.00025 (J)	
2/26/2021	0.00025 (J)	
7/29/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/19/2015	<0.001	
4/7/2015	<0.001	
4/24/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	9E-05 (J)	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	7E-05 (J)	
5/22/2017	<0.001	
9/20/2017	0.0004 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	<0.001	
3/4/2020	0.0003 (J)	
9/9/2020	<0.001	
2/26/2021	<0.001	
8/5/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/19/2015	<0.001	
4/8/2015	<0.001	
4/24/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	6E-05 (J)	
5/23/2017	<0.001	
9/19/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019	<0.001	
9/6/2019	0.0016 (J)	
3/3/2020	<0.001	
9/8/2020	6.7E-05 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/19/2015	<0.001	
4/8/2015	<0.001	
4/24/2015	<0.001	
7/30/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	0.0001 (J)	
3/20/2017	7E-05 (J)	
5/23/2017	<0.001	
9/19/2017	0.0001 (J)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/11/2019	<0.001	
9/5/2019	<0.001	
3/3/2020	5.9E-05 (J)	
9/8/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/9/2016	<0.001	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/24/2017	0.0001 (J)	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	6.8E-05 (J)	
3/5/2020	5.2E-05 (J)	
9/9/2020	<0.001	
3/10/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/4/2016	<0.001	
5/5/2016	<0.001	
7/12/2016	<0.001	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	0.0001 (J)	
5/19/2017	<0.001	
9/19/2017	0.0002 (J)	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019	<0.001	
9/5/2019	9.05E-05 (JD)	
3/3/2020	5.7E-05 (J)	
9/9/2020	0.0001 (J)	
3/9/2021	<0.001	
7/29/2021	<0.001	
1/28/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/9/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/4/2016	<0.001	
7/18/2016	0.0001 (J)	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/16/2017	0.0003 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019	0.00035 (J)	
9/5/2019	6E-05 (J)	
3/3/2020	5.9E-05 (J)	
9/4/2020	0.00012 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.000172 (J)	
10/3/2014	<0.0002	
10/20/2014	<0.0002	
11/10/2014	3.84E-05 (J)	
3/2/2015	<0.0002	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/21/2015	2.39E-05 (J)	
7/28/2015	5.2E-05 (J)	
3/1/2016	<0.0002	
5/2/2016	<0.0002	
7/6/2016	<0.0002	
9/7/2016	<0.0002	
10/25/2016	<0.0002	
1/5/2017	<0.0002	
3/14/2017	<0.0002	
5/16/2017	<0.0002	
9/15/2017	<0.0002	
3/12/2018	<0.0002	
9/6/2018	<0.0002	
3/7/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/14/2020	<0.0002	
3/26/2021	<0.0002	
7/27/2021	<0.0002	
1/26/2022		<0.0002
8/8/2022		<0.0002
2/8/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	4.23E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	3.87E-05 (J)	
11/10/2014	3.34E-05 (J)	
3/2/2015	<0.0002	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/1/2016	<0.0002	
5/3/2016	<0.0002	
7/8/2016	<0.0002	
9/7/2016	<0.0002	
10/25/2016	<0.0002	
1/6/2017	<0.0002	
3/14/2017	<0.0002	
5/16/2017	<0.0002	
9/15/2017	<0.0002	
3/12/2018	<0.0002	
9/6/2018	<0.0002	
3/6/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/3/2020	<0.0002	
2/24/2021	9.1E-05 (J)	
7/28/2021	<0.0002	
1/26/2022		<0.0002
8/8/2022		<0.0002
2/8/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	2.75E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	4.07E-05 (J)	
11/10/2014	6.86E-05 (J)	
3/2/2015	3.07E-05 (J)	
3/17/2015	<0.0002	
4/6/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/2/2016	<0.0002	
5/3/2016	<0.0002	
7/7/2016	<0.0002	
9/8/2016	<0.0002	
10/25/2016	<0.0002	
2/9/2017	<0.0002	
3/23/2017	<0.0002	
5/17/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/6/2018	<0.0002	
3/7/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/3/2020	<0.0002	
2/24/2021	0.00013 (J)	
7/28/2021	<0.0002	
1/25/2022		<0.0002
8/5/2022		<0.0002
2/8/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	2.69E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	3.18E-05 (J)	
11/11/2014	<0.0002	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/3/2016	<0.0002	
5/10/2016	<0.0002	
7/13/2016	<0.0002	
9/15/2016	<0.0002	
11/2/2016	<0.0002	
1/11/2017	<0.0002	
3/20/2017	<0.0002	
5/23/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/7/2018	<0.0002	
3/11/2019	<0.0002	
9/9/2019	<0.0002	
3/4/2020	<0.0002	
9/9/2020	<0.0002	
3/9/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	2.97E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.02E-05 (J)	
11/11/2014	3.66E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/4/2016	<0.0002	
5/10/2016	<0.0002	
7/14/2016	<0.0002	
9/14/2016	<0.0002	
11/1/2016	<0.0002	
1/11/2017	<0.0002	
3/21/2017	<0.0002	
5/23/2017	<0.0002	
9/22/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/10/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
3/10/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	4.24E-05 (J)	
10/4/2014	2.5E-05 (J)	
10/21/2014	6.4E-05 (J)	
11/5/2014	7.02E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	3.14E-05 (J)	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/13/2016	<0.0002	
9/13/2016	<0.0002	
10/31/2016	<0.0002	
1/12/2017	<0.0002	
3/23/2017	<0.0002	
5/23/2017	<0.0002	
9/25/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/9/2019	<0.0002	
3/6/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
7/29/2021	<0.0002	
1/28/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	3.5E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.35E-05 (J)	
11/11/2014	4.64E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/13/2016	<0.0002	
9/12/2016	<0.0002	
11/1/2016	<0.0002	
1/11/2017	<0.0002	
3/20/2017	<0.0002	
5/22/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/7/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
7/29/2021	<0.0002	
1/27/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	4.15E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.89E-05 (J)	
11/5/2014	7.28E-05 (J)	
3/3/2015	<0.0002	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.0002	
5/9/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/31/2016	<0.0002	
1/11/2017	<0.0002	
3/21/2017	<0.0002	
5/22/2017	<0.0002	
9/20/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/12/2019	<0.0002	
9/9/2019	<0.0002	
3/4/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
8/5/2021	9.4E-05 (J)	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	5.34E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	4.88E-05 (J)	
11/5/2014	2.85E-05 (J)	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/9/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/31/2016	<0.0002	
1/12/2017	<0.0002	
3/22/2017	<0.0002	
5/22/2017	<0.0002	
9/19/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/4/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0002	
10/5/2014	<0.0002	
10/22/2014	2.57E-05 (J)	
11/5/2014	<0.0002	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/9/2016	<0.0002	
7/15/2016	<0.0002	
9/9/2016	<0.0002	
10/27/2016	<0.0002	
1/12/2017	<0.0002	
3/21/2017	<0.0002	
5/23/2017	<0.0002	
9/19/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/11/2019	<0.0002	
9/6/2019	<0.0002	
3/3/2020	<0.0002	
9/8/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/28/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	2.54E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	2.83E-05 (J)	
11/5/2014	0.0002	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/20/2017	<0.0002	
5/23/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/7/2018	<0.0002	
3/11/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/8/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	2.82E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	<0.0002	
11/5/2014	4.83E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/9/2016	<0.0002	
5/6/2016	<0.0002	
7/15/2016	<0.0002	
9/14/2016	<0.0002	
11/1/2016	<0.0002	
1/25/2017	<0.0002	
3/22/2017	<0.0002	
5/24/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
3/10/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	2.81E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	<0.0002	
11/10/2014	5.15E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/4/2016	<0.0002	
5/5/2016	<0.0002	
7/12/2016	<0.0002	
9/13/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/20/2017	<0.0002	
5/19/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/11/2018	<0.0002	
3/8/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/9/2020	<0.0002	
3/9/2021	<0.0002	
7/29/2021	<0.0002	
1/28/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	3.13E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	4.6E-05 (J)	
11/10/2014	2.5E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/9/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/4/2016	<0.0002	
7/18/2016	<0.0002	
9/13/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/16/2017	<0.0002	
5/19/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/11/2018	<0.0002	
3/8/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/4/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.01	
10/3/2014	<0.005	
10/20/2014	0.0043	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	0.0016 (J)	
4/21/2015	0.0033	
7/28/2015	0.0032	
3/1/2016	<0.005	
7/6/2016	0.0007 (J)	
3/14/2017	0.0007 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00051 (J)	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	0.0017 (J)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.022	
10/20/2014	0.022	
11/10/2014	0.018	
3/2/2015	0.016	
3/17/2015	0.015	
4/5/2015	0.016	
4/22/2015	0.016	
7/28/2015	0.018	
3/1/2016	0.0138	
7/8/2016	0.014	
3/14/2017	0.0087 (J)	
9/15/2017	0.0053 (J)	
3/12/2018	0.0054 (J)	
9/6/2018	0.0069 (J)	
3/6/2019	<0.01	
9/4/2019	0.0059 (J)	
3/2/2020	0.0079 (J)	
9/3/2020	0.0096 (J)	
2/24/2021	0.01	
7/28/2021	0.019	
1/26/2022		0.016
8/8/2022		0.0097
2/8/2023		0.012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0036	
10/20/2014	0.0025	
11/10/2014	0.0026	
3/2/2015	0.017	
3/17/2015	0.0057	
4/6/2015	0.0022 (J)	
4/22/2015	0.0015 (J)	
7/28/2015	0.0015 (J)	
3/2/2016	<0.01	
7/7/2016	0.0014 (J)	
3/23/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	0.000825 (JD)	
3/2/2020	0.001 (J)	
9/3/2020	0.00089 (J)	
2/24/2021	0.00091 (J)	
7/28/2021	0.00096 (J)	
1/25/2022		0.00093 (J)
8/5/2022		0.00085 (J)
2/8/2023		0.00091 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.03	
10/4/2014	0.029	
10/21/2014	0.026	
11/11/2014	0.023	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.018	
3/3/2016	0.0111	
7/13/2016	0.0133	
3/20/2017	0.0111	
9/21/2017	0.0092 (J)	
3/14/2018	0.0094 (J)	
9/7/2018	0.0086 (J)	
3/11/2019	<0.01	
9/9/2019	0.0066 (J)	
3/4/2020	0.0032 (J)	
9/9/2020	0.0067 (J)	
3/9/2021	0.0053	
7/30/2021	0.0073	
1/28/2022		0.0063
8/11/2022		0.0077
2/10/2023		0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0016 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	0.0014 (J)	
4/23/2015	<0.005	
7/29/2015	0.0015 (J)	
3/7/2016	<0.005	
7/13/2016	0.0007 (J)	
3/23/2017	<0.005	
9/25/2017	0.0015 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	0.0005 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	<0.005	
9/20/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.00071 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.0013 (J)	
11/5/2014	0.0013 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	0.0014 (J)	
4/24/2015	0.0014 (J)	
7/30/2015	<0.01	
3/8/2016	0.0261 (o)	
7/15/2016	0.0021 (J)	
3/21/2017	<0.01	
9/19/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/10/2018	0.002 (J)	
3/11/2019	<0.01	
9/6/2019	0.0028 (J)	
3/3/2020	0.00099 (J)	
9/8/2020	0.0014 (J)	
3/9/2021	0.00075 (J)	
8/2/2021	0.0015 (J)	
1/28/2022		0.0014 (J)
8/10/2022		0.0014 (J)
2/9/2023		0.0011 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/20/2017	<0.005	
9/19/2017	0.0011 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	0.0011 (J)	
3/3/2020	0.001 (J)	
9/8/2020	0.00083 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		0.00076 (J)
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
7/15/2016	<0.005	
3/22/2017	<0.005	
9/21/2017	0.0012 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00086 (J)	
3/5/2020	0.00075 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
7/12/2016	<0.005	
3/20/2017	0.0003 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/18/2016	<0.005	
3/16/2017	0.0012 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	0.0017 (J)	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.00051 (J)	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
7/7/2016	<0.005	
3/23/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005 (D)	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	0.0013 (J)	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0007 (J)	
3/3/2015	0.00052 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.00058 (J)	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	0.0001 (J)	
4/5/2015	7E-05 (J)	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/14/2020	<0.001	
3/26/2021	<0.001	
7/27/2021	<0.001	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0004 (J)	
10/4/2014	0.0004 (J)	
10/21/2014	0.0004 (J)	
11/11/2014	0.0005 (J)	
3/3/2015	0.0004 (J)	
3/18/2015	0.0005 (J)	
4/6/2015	0.0004 (J)	
4/23/2015	0.0004 (J)	
7/29/2015	0.0003 (J)	
3/3/2016	0.002222 (JD)	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0003 (J)	
3/20/2017	0.0003 (J)	
5/23/2017	0.0003 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	0.00018 (J)	
9/7/2018	0.00016 (J)	
3/11/2019	0.00026 (J)	
9/9/2019	6E-05 (J)	
3/4/2020	0.00014 (J)	
9/9/2020	<0.001	
3/9/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.0002 (J)	
10/4/2014	0.0002 (J)	
10/21/2014	0.0002 (J)	
11/5/2014	0.0003 (J)	
3/3/2015	0.0002 (J)	
3/18/2015	0.0002 (J)	
4/7/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/29/2015	0.0002 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/23/2017	0.0001 (J)	
5/23/2017	0.0001 (J)	
9/25/2017	0.0001 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	<0.001	
3/6/2020	7.6E-05 (J)	
9/9/2020	<0.001	
2/26/2021	<0.001	
7/29/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0001 (J)	
10/5/2014	0.0001 (J)	
10/22/2014	0.0001 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/7/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/22/2017	4E-05 (J)	
5/22/2017	5E-05 (J)	
9/19/2017	6E-05 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	<0.001	
3/5/2020	<0.001	
9/4/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0002 (J)	
10/5/2014	0.0002 (J)	
10/22/2014	0.0002 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/19/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/24/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/8/2016	<0.001	
5/9/2016	0.000353 (J)	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	0.0002 (J)	
9/19/2017	0.0002 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019	<0.001	
9/6/2019	0.0002 (J)	
3/3/2020	7.1E-05 (J)	
9/8/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/28/2022		0.00021 (J)
8/10/2022		0.00031 (J)
2/9/2023		0.00029 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	0.0001 (J)	
10/22/2014	<0.001	
11/5/2014	0.0001 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/8/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	0.0001 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001	
5/23/2017	0.0001 (J)	
9/19/2017	8E-05 (J)	
3/13/2018	0.00017 (J)	
9/7/2018	<0.001	
3/11/2019	0.00015 (J)	
9/5/2019	5.5E-05 (J)	
3/3/2020	7.2E-05 (J)	
9/8/2020	0.00016 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0002 (J)	
10/5/2014	0.0003 (J)	
10/22/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/20/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/9/2016	0.0033 (Jo)	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	0.0002 (J)	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	0.0001 (J)	
5/24/2017	0.0001 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	0.0003 (J)	
3/5/2020	0.00018 (J)	
9/9/2020	0.00016 (J)	
3/10/2021	<0.001	
7/30/2021	0.00023 (J)	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0073	
10/3/2014	<0.01	
10/20/2014	0.0045 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0014 (J)	
4/21/2015	0.0029 (J)	
7/28/2015	0.0031 (J)	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	<0.01	
3/2/2020	<0.01	
9/14/2020	<0.01	
3/26/2021	<0.01	
7/27/2021	<0.01	
1/26/2022		<0.01
8/8/2022		<0.01
2/8/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/8/2016	0.0028 (J)	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019	<0.01	
9/4/2019	0.00073 (J)	
3/2/2020	0.00074 (J)	
9/3/2020	<0.01	
2/24/2021	<0.01	
7/28/2021	<0.01	
1/26/2022		<0.01
8/8/2022		<0.01
2/8/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.00085 (J)	
10/3/2014	0.00096 (J)	
10/20/2014	<0.01	
11/10/2014	0.00095 (J)	
3/2/2015	0.0041 (J)	
3/17/2015	0.0018 (J)	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	0.00538 (JD)	
3/2/2020	0.0014 (J)	
9/3/2020	<0.01	
2/24/2021	<0.01	
7/28/2021	<0.01	
1/25/2022		<0.01
8/5/2022		<0.01
2/8/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0019 (J)	
10/4/2014	0.005	
10/21/2014	0.00089 (J)	
11/11/2014	<0.01	
3/3/2015	0.00093 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01	
7/13/2016	0.0021 (J)	
3/20/2017	0.0019 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/9/2019	0.00091 (J)	
3/4/2020	0.0023 (J)	
9/9/2020	<0.01	
3/9/2021	0.003 (J)	
7/30/2021	0.0022 (J)	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		0.003 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0012 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/10/2019	<0.01	
3/5/2020	<0.01	
9/9/2020	<0.01	
3/10/2021	<0.01	
7/30/2021	<0.01	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/9/2019	0.00078 (J)	
3/6/2020	<0.01	
9/9/2020	<0.01	
2/26/2021	<0.01	
7/29/2021	<0.01	
1/28/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.001 (J)	
10/4/2014	<0.01	
10/21/2014	0.00084 (J)	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	<0.01	
3/5/2020	<0.01	
9/9/2020	<0.01	
2/26/2021	<0.01	
7/29/2021	<0.01	
1/27/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019	<0.01	
9/9/2019	0.00081 (J)	
3/4/2020	0.00096 (J)	
9/9/2020	<0.01	
2/26/2021	<0.01	
8/5/2021	<0.01	
1/27/2022		<0.01
8/9/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	0.0012 (J)	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	<0.01	
3/5/2020	<0.01	
9/4/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/27/2022		<0.01
8/9/2022		<0.01
2/10/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019	<0.01	
9/6/2019	0.0012 (J)	
3/3/2020	0.00085 (J)	
9/8/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/28/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/5/2019	0.00094 (J)	
3/3/2020	<0.01	
9/8/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/27/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.00083 (J)	
11/5/2014	0.0014 (J)	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0017 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	0.0011 (J)	
3/5/2020	0.00071 (J)	
9/9/2020	<0.01	
3/10/2021	<0.01	
7/30/2021	<0.01	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.0012 (J)	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	0.002 (J)	
3/20/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019	<0.01	
9/5/2019	0.0012 (JD)	
3/3/2020	0.0011 (J)	
9/9/2020	<0.01	
3/9/2021	<0.01	
7/29/2021	<0.01	
1/28/2022		<0.01
8/9/2022		<0.01
2/9/2023		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.44 (o)	
10/3/2014	0.021	
10/20/2014	0.19	
11/10/2014	0.0014 (J)	
3/2/2015	0.032	
3/17/2015	0.034	
4/5/2015	0.089	
4/21/2015	0.16	
7/28/2015	0.15	
3/1/2016	0.0627	
7/6/2016	0.0532	
3/14/2017	0.0401	
9/15/2017	0.0338	
3/12/2018	0.042	
9/6/2018	0.045	
3/7/2019	0.043	
9/4/2019	0.052	
3/2/2020	0.056	
9/14/2020	0.053	
3/26/2021	0.046	
7/27/2021	<0.02	
1/26/2022		<0.02
8/8/2022		<0.02
2/8/2023		0.0086 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0062	
10/3/2014	0.0085	
10/20/2014	0.0087	
11/10/2014	0.01	
3/2/2015	0.0077	
3/17/2015	0.0086	
4/5/2015	0.0098	
4/22/2015	0.0049	
7/28/2015	0.0099	
3/1/2016	0.00756 (J)	
7/8/2016	0.0098 (J)	
3/14/2017	0.0042 (J)	
9/15/2017	0.0032 (J)	
3/12/2018	0.0025 (J)	
9/6/2018	<0.02	
3/6/2019	0.0035 (J)	
9/4/2019	0.0086 (J)	
3/2/2020	0.0063 (J)	
9/3/2020	0.0049 (J)	
2/24/2021	0.0038 (J)	
7/28/2021	0.0088 (J)	
1/26/2022		<0.02
8/8/2022		<0.02
2/8/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0054	
10/3/2014	0.007	
10/20/2014	0.0052	
11/10/2014	0.0054	
3/2/2015	0.041 (o)	
3/17/2015	0.014	
4/6/2015	0.0044	
4/22/2015	0.0023 (J)	
7/28/2015	0.0035	
3/2/2016	0.0029 (J)	
7/7/2016	0.0023 (J)	
3/23/2017	<0.02	
9/19/2017	0.002 (J)	
3/13/2018	<0.02	
9/6/2018	<0.02	
3/7/2019	<0.02	
9/4/2019	0.00565 (JD)	
3/2/2020	0.0032 (J)	
9/3/2020	<0.02	
2/24/2021	<0.02	
7/28/2021	<0.02	
1/25/2022		<0.02
8/5/2022		<0.02
2/8/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.072	
10/4/2014	0.078	
10/21/2014	0.083	
11/11/2014	0.082	
3/3/2015	0.078	
3/18/2015	0.075	
4/6/2015	0.071	
4/23/2015	0.072	
7/29/2015	0.072	
3/3/2016	0.0227	
7/13/2016	0.0709	
3/20/2017	0.0465	
9/21/2017	0.0302	
3/14/2018	0.031	
9/7/2018	<0.01	
3/11/2019	0.024	
9/9/2019	0.029	
3/4/2020	0.015	
9/9/2020	0.037	
3/9/2021	0.025	
7/30/2021	0.032	
1/28/2022		0.026
8/11/2022		0.036 (J)
2/10/2023		0.017 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.0028	
10/4/2014	0.0038	
10/21/2014	0.0043	
11/11/2014	0.0041	
3/3/2015	0.0042	
3/18/2015	0.0046	
4/6/2015	0.0043	
4/23/2015	0.0047	
7/29/2015	0.0039	
3/4/2016	0.0219 (J)	
7/14/2016	0.0111	
3/21/2017	<0.02	
9/22/2017	0.0023 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	<0.02	
3/12/2019	0.0038 (J)	
9/10/2019	0.0055 (J)	
3/5/2020	0.0035 (J)	
9/9/2020	<0.02	
3/10/2021	<0.02	
7/30/2021	<0.02	
1/28/2022		<0.02
8/11/2022		<0.02
2/10/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.0035	
10/4/2014	0.0032	
10/21/2014	0.0028	
11/5/2014	0.004	
3/3/2015	0.004	
3/18/2015	0.0024 (J)	
4/7/2015	0.0055	
4/23/2015	0.0035	
7/29/2015	0.0062	
3/7/2016	0.0225 (J)	
7/13/2016	0.0031 (J)	
3/23/2017	<0.02	
9/25/2017	0.002 (J)	
3/14/2018	0.0036 (J)	
9/11/2018	<0.02	
3/12/2019	<0.02	
9/9/2019	0.0063 (J)	
3/6/2020	0.0045 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
7/29/2021	<0.02	
1/28/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.002 (J)	
10/4/2014	0.001 (J)	
10/21/2014	0.00082 (J)	
11/11/2014	0.00076 (J)	
3/3/2015	<0.02	
3/18/2015	0.0016 (J)	
4/7/2015	<0.02	
4/23/2015	<0.02	
7/29/2015	<0.02	
3/7/2016	<0.02	
7/13/2016	0.0013 (J)	
3/20/2017	<0.02	
9/21/2017	0.0018 (J)	
3/14/2018	<0.02	
9/7/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.0046 (J)	
3/5/2020	0.0024 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
7/29/2021	0.015 (J)	
1/27/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.0026	
10/4/2014	0.0034	
10/21/2014	0.0037	
11/5/2014	0.0035	
3/3/2015	0.0036	
3/19/2015	0.0035	
4/7/2015	0.0039	
4/24/2015	0.0034	
7/29/2015	0.0038	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/21/2017	<0.02	
9/20/2017	0.0062 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019	<0.02	
9/9/2019	0.0062 (J)	
3/4/2020	0.0072 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
8/5/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0023 (J)	
10/5/2014	0.0025	
10/22/2014	0.0018 (J)	
11/5/2014	0.0019 (J)	
3/4/2015	0.0016 (J)	
3/19/2015	0.0025	
4/7/2015	0.0026	
4/24/2015	0.0017 (J)	
7/30/2015	0.0017 (J)	
3/8/2016	0.557 (o)	
7/14/2016	<0.02	
3/22/2017	<0.02	
9/19/2017	0.0031 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.00455 (JD)	
3/5/2020	0.0023 (J)	
9/4/2020	<0.02	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/10/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0033	
10/5/2014	0.0036	
10/22/2014	0.0038	
11/5/2014	0.0046	
3/4/2015	0.0029	
3/19/2015	0.0027	
4/8/2015	0.0039	
4/24/2015	0.0035	
7/30/2015	0.0027	
3/8/2016	0.00273 (J)	
7/15/2016	<0.02	
3/21/2017	<0.02	
9/19/2017	0.0022 (J)	
3/14/2018	0.0049 (J)	
9/10/2018	<0.02	
3/11/2019	0.0034 (J)	
9/6/2019	0.045	
3/3/2020	0.0044 (J)	
9/8/2020	0.0063 (J)	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/28/2022		<0.02
8/10/2022		0.016 (J)
2/9/2023		0.012 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.00089 (J)	
10/5/2014	0.0016 (J)	
10/22/2014	0.0017 (J)	
11/5/2014	0.0038	
3/4/2015	0.002 (J)	
3/19/2015	0.0025	
4/8/2015	0.0018 (J)	
4/24/2015	0.0016 (J)	
7/30/2015	<0.02	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/20/2017	0.0075 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/7/2018	<0.02	
3/11/2019	0.0021 (J)	
9/5/2019	0.0053 (J)	
3/3/2020	0.0029 (J)	
9/8/2020	0.0037 (J)	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0013 (J)	
10/5/2014	0.00085 (J)	
10/22/2014	0.0014 (J)	
11/5/2014	0.0022 (J)	
3/4/2015	0.0033	
3/20/2015	0.002 (J)	
4/8/2015	0.004	
4/23/2015	0.002 (J)	
7/30/2015	<0.02	
3/9/2016	<0.02	
7/15/2016	<0.02	
3/22/2017	<0.02	
9/21/2017	0.0034 (J)	
3/14/2018	<0.02	
9/11/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.0059 (J)	
3/5/2020	0.0084 (J)	
9/9/2020	<0.02	
3/10/2021	<0.02	
7/30/2021	<0.02	
1/28/2022		0.0099 (J)
8/11/2022		<0.02
2/10/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.00054 (J)	
10/4/2014	0.0008 (J)	
10/23/2014	<0.02	
11/10/2014	<0.02	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/8/2015	0.0016 (J)	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/4/2016	0.00374 (J)	
7/12/2016	<0.02	
3/20/2017	<0.02	
9/19/2017	0.0028 (J)	
3/13/2018	0.0068 (J)	
9/11/2018	<0.02	
3/8/2019	<0.02	
9/5/2019	0.00675 (JD)	
3/3/2020	0.0033 (J)	
9/9/2020	0.0048 (J)	
3/9/2021	0.0063 (J)	
7/29/2021	<0.02	
1/28/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 3/23/2023 5:23 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.004	
10/4/2014	0.0011 (J)	
10/23/2014	0.0011 (J)	
11/10/2014	0.0028	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/9/2015	<0.02	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/8/2016	0.00198 (J)	
7/18/2016	<0.02	
3/16/2017	0.0026 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/11/2018	<0.02	
3/8/2019	<0.02	
9/5/2019	0.0053 (J)	
3/3/2020	0.0027 (J)	
9/4/2020	<0.02	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02

FIGURE E.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2

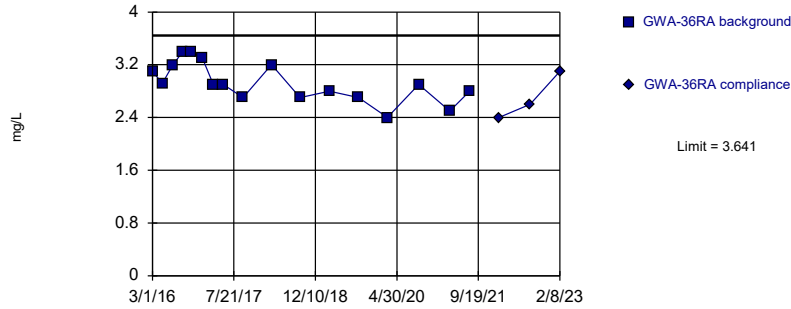
Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/23/2023, 5:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36RA	3.641	n/a	2/8/2023	3.1	No	17	2.93	0.2972	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.427	n/a	2/8/2023	1.1	No	17	0.977	0.1882	5.882	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.398	n/a	2/8/2023	3.5	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.97	n/a	2/10/2023	1.8	No	17	1.716	0.5242	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	8.196	n/a	2/10/2023	4.7	No	17	5.841	0.9845	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.662	n/a	2/9/2023	2.5	No	17	1.472	0.06659	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	2/9/2023	2.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	2.953	n/a	2/9/2023	2.7	No	17	2.441	0.214	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.542	n/a	2/10/2023	2	No	17	1.768	0.3233	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.542	n/a	2/9/2023	4.5	No	17	4.188	0.5658	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.295	n/a	2/9/2023	2.7	No	17	2.728	0.2371	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-23R	2.864	n/a	2/10/2023	2	No	17	1.939	0.3865	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.25	n/a	2/9/2023	2.5	No	17	5.819	1.983	5.882	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.132	n/a	2/9/2023	2.6	No	17	2.594	0.225	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	2/8/2023	6.88	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	2/8/2023	5.3	No	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	2/8/2023	5.13	No	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	2/10/2023	7.02	No	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	2/10/2023	7.12	No	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.389	5.993	2/9/2023	6.68	No	17	2135	353.4	0	None	x^4	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	2/9/2023	7.46	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	2/9/2023	7.38	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	2/10/2023	7.34	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	2/9/2023	7.13	No	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	2/9/2023	7.05	No	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	2/10/2023	7.01	No	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	7.983	6.832	2/9/2023	7.44	No	17	7.408	0.2406	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.983	7.191	2/9/2023	7.51	No	17	7.587	0.1654	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	2/8/2023	21.7	Yes	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.121	n/a	2/8/2023	0.75J	No	17	0.6744	0.1865	29.41	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.638	n/a	2/8/2023	0.9J	No	17	1.136	0.6276	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	14.24	n/a	2/10/2023	12.1	No	17	7.264	2.917	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	8.894	n/a	2/10/2023	7.6	No	16	6.593	0.9504	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.57	n/a	2/9/2023	2.3	No	17	1.96	0.2549	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.835	n/a	2/9/2023	2.4	No	16	2.259	0.2378	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	2/9/2023	4	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.892	n/a	2/10/2023	1.8	No	17	1.893	0.7053	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	2/9/2023	16.8	Yes	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.913	n/a	2/9/2023	2	No	16	1.998	0.3782	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	124	n/a	2/10/2023	86.7	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-24R	11.3	n/a	2/9/2023	2.9	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	2/9/2023	2.3	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	2/8/2023	238	Yes	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	34.34	n/a	2/8/2023	25ND	No	15	17.84	6.664	33.33	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	107.8	n/a	2/8/2023	31	No	17	5.762	1.933	29.41	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	2/10/2023	369	Yes	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	390.6	n/a	2/10/2023	302	No	17	318.3	30.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	2/9/2023	175	Yes	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	183.1	n/a	2/9/2023	171	No	17	140.2	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	216.8	n/a	2/9/2023	171	No	17	166.3	21.11	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.5	n/a	2/10/2023	226J	No	17	191.6	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	383.4	n/a	2/9/2023	317	No	17	85308	25795	0	None	x^2	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	2/9/2023	328	Yes	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	2/10/2023	533	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	2/9/2023	147	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	196.3	n/a	2/9/2023	169	No	17	24995	5655	0	None	x^2	0.0006839	Param Intra 1 of 2

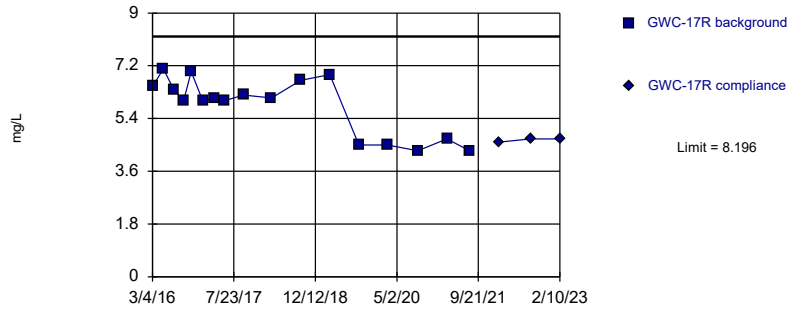
Within Limit

Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

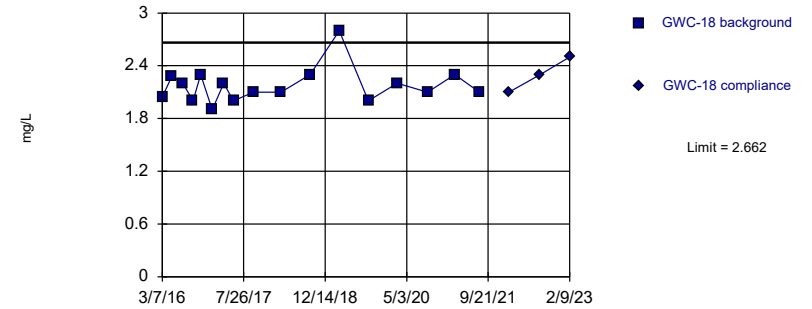


Background Data Summary: Mean=5.841, Std. Dev.=0.9845, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8623, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

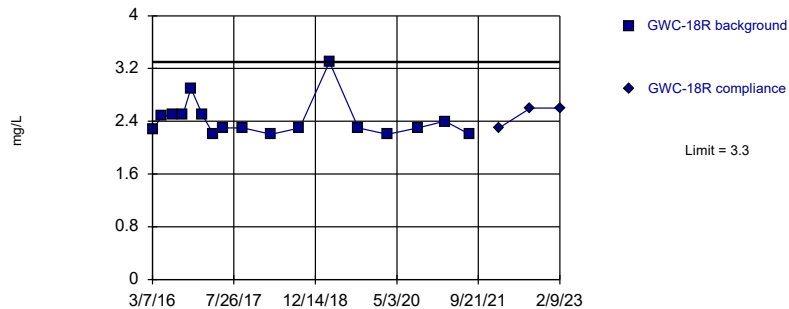


Background Data Summary (based on square root transformation): Mean=1.472, Std. Dev.=0.06659, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8533, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

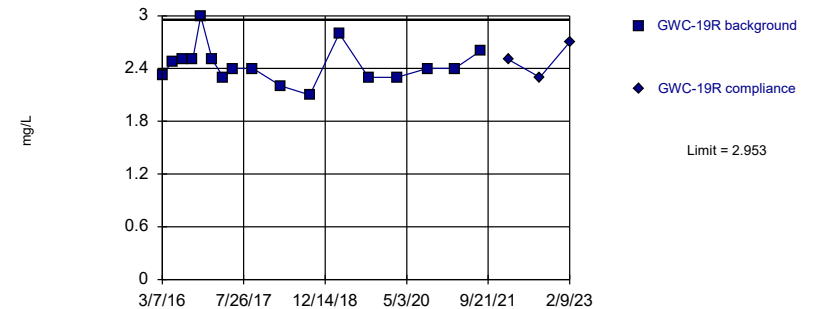


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

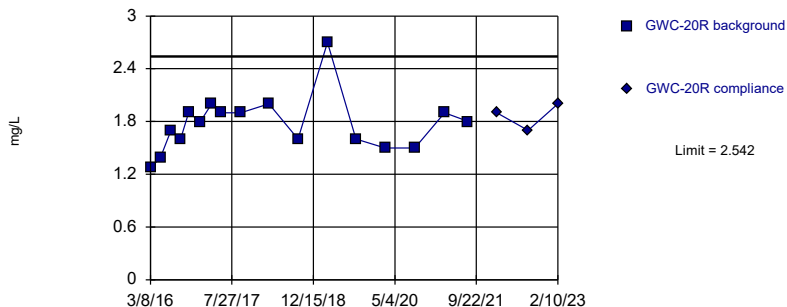
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.441, Std. Dev.=0.214, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9068, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

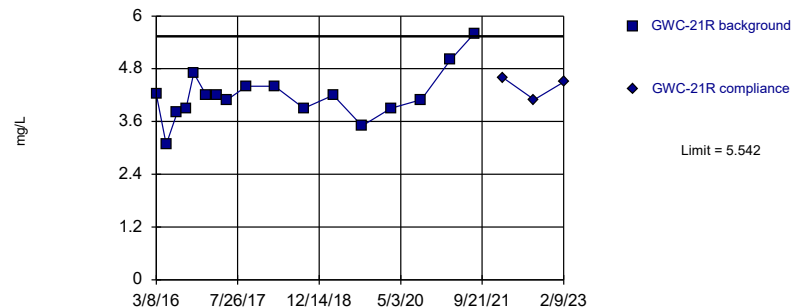
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.768, Std. Dev.=0.3233, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8916, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

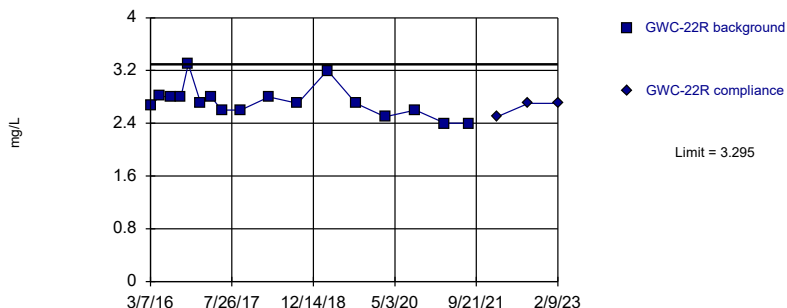
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=4.188, Std. Dev.=0.5658, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

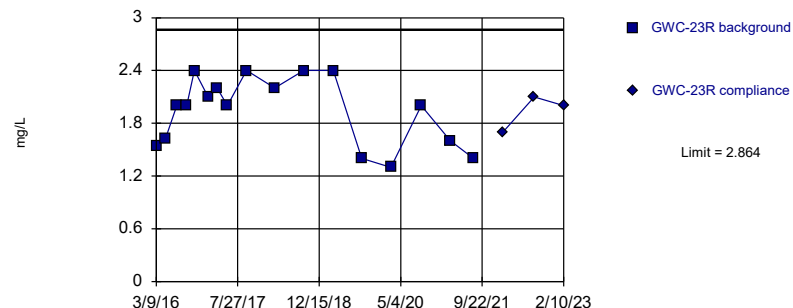
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.728, Std. Dev.=0.2371, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit Prediction Limit
Intrawell Parametric

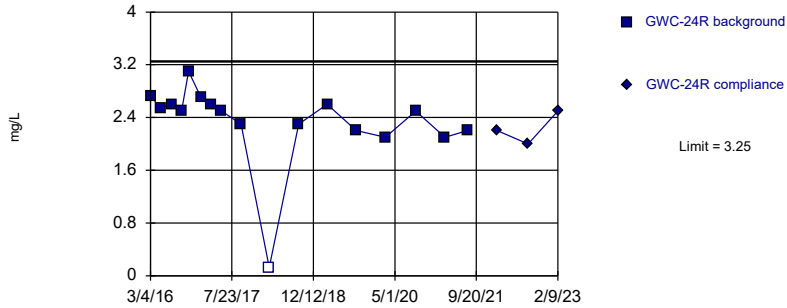


Background Data Summary: Mean=1.939, Std. Dev.=0.3865, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8938, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

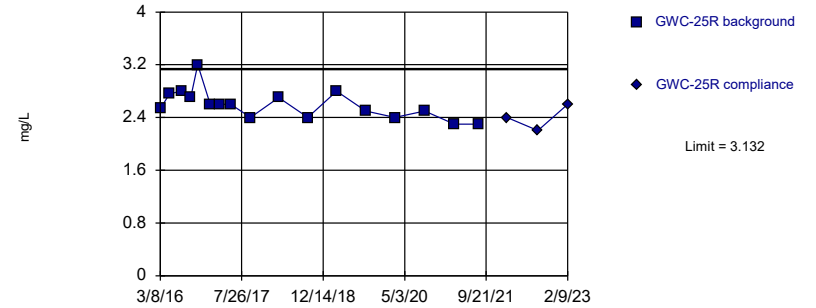


Background Data Summary (based on square transformation): Mean=5.819, Std. Dev.=1.983, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8735, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

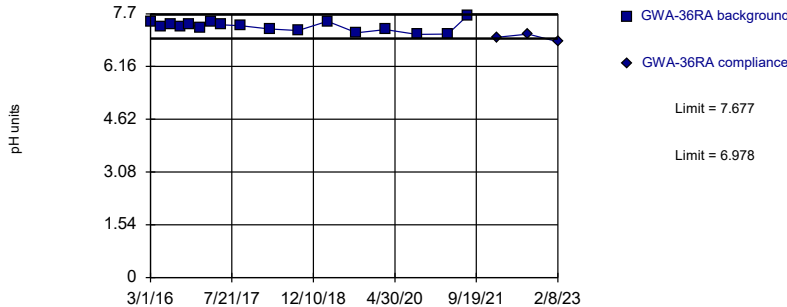


Background Data Summary: Mean=2.594, Std. Dev.=0.225, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 3/23/2023 5:15 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

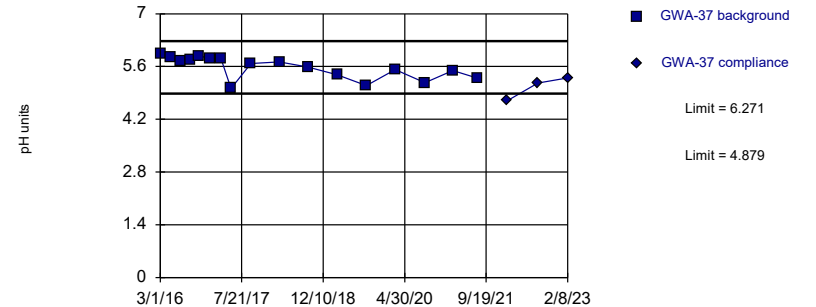


Background Data Summary: Mean=7.328, Std. Dev.=0.1461, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.973, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

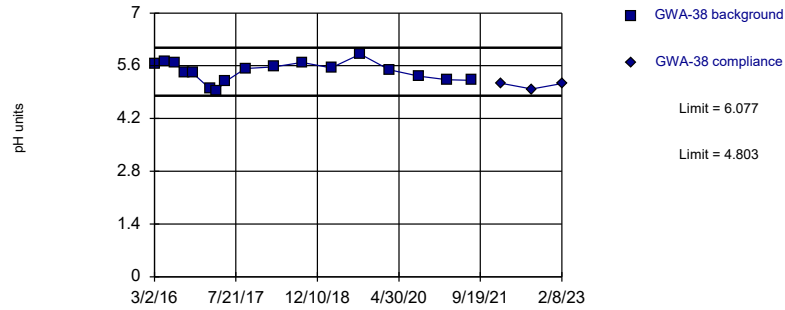


Background Data Summary: Mean=5.575, Std. Dev.=0.291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9119, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

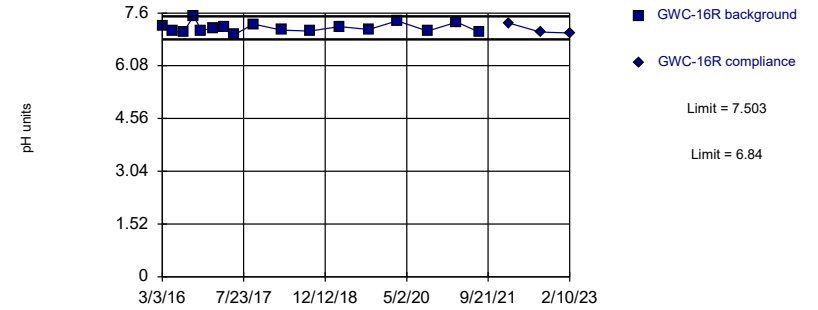


Background Data Summary: Mean=5.44, Std. Dev.=0.2662, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9704, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

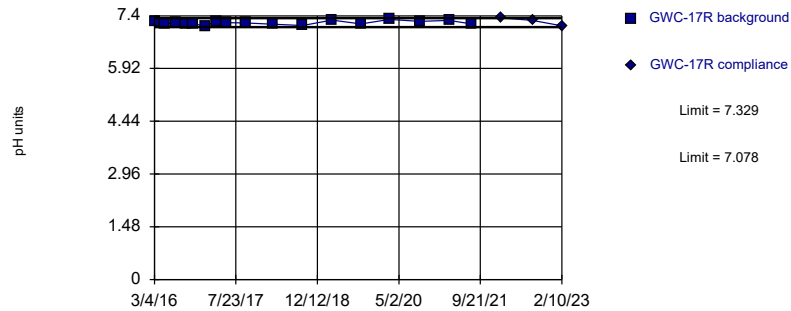


Background Data Summary: Mean=7.172, Std. Dev.=0.1385, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9285, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

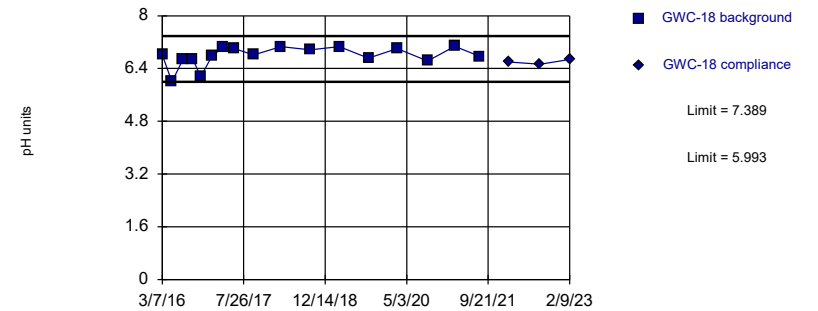


Background Data Summary: Mean=7.204, Std. Dev.=0.05255, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

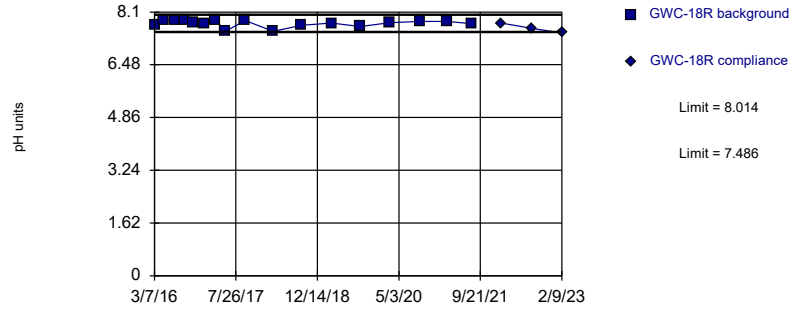


Background Data Summary (based on x^4 transformation): Mean=2135, Std. Dev.=353.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8571, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

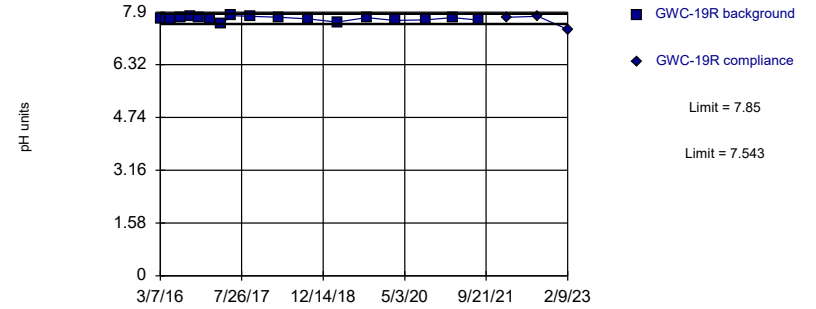


Background Data Summary: Mean=7.75, Std. Dev.=0.1103, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8646, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

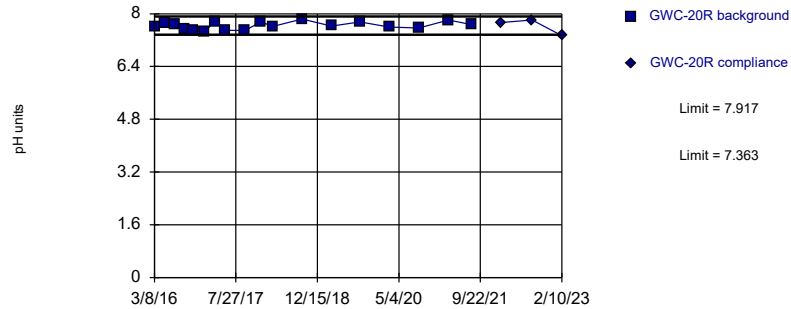


Background Data Summary: Mean=7.696, Std. Dev.=0.06412, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9402, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

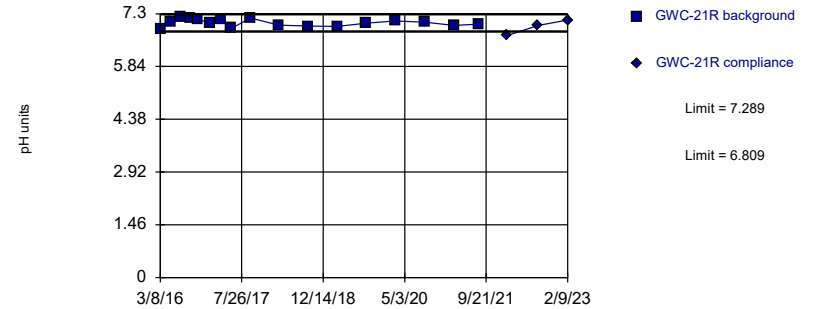


Background Data Summary: Mean=7.64, Std. Dev.=0.1171, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9561, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

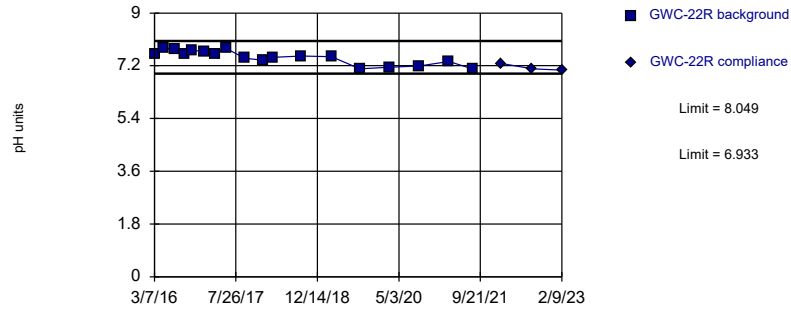


Background Data Summary: Mean=7.049, Std. Dev.=0.1002, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

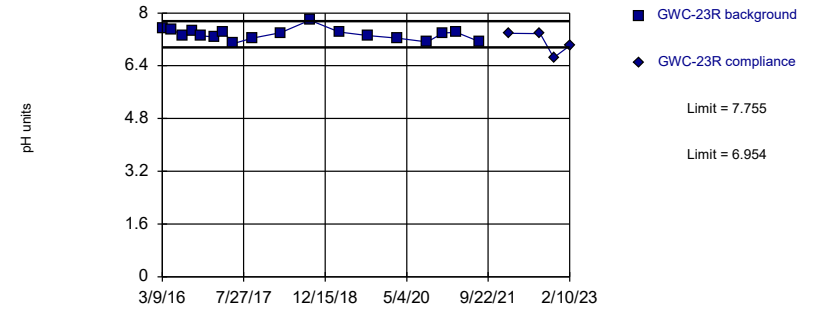


Background Data Summary: Mean=7.491, Std. Dev.=0.2361, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

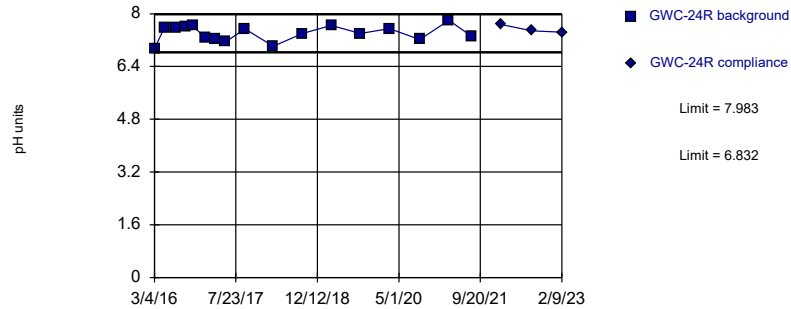


Background Data Summary: Mean=7.354, Std. Dev.=0.1695, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9606, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

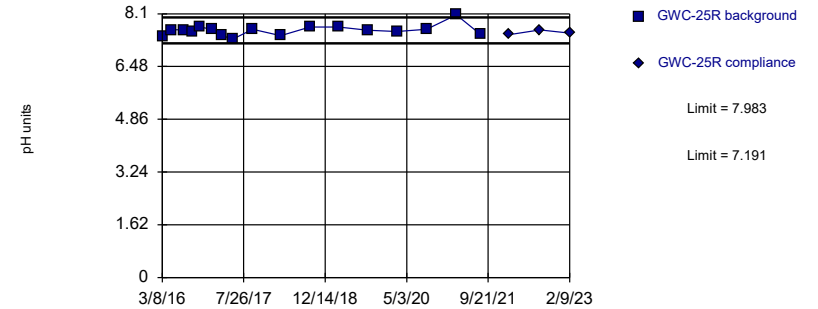


Background Data Summary: Mean=7.408, Std. Dev.=0.2406, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

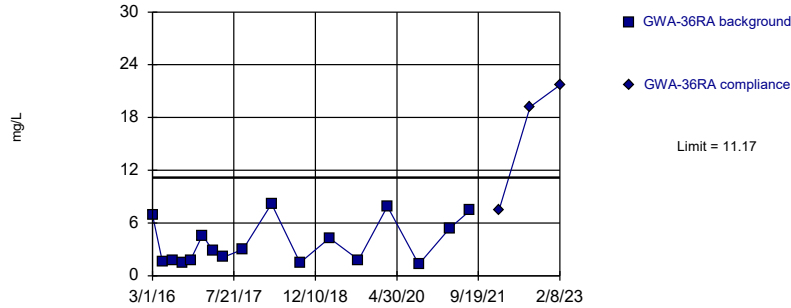


Background Data Summary: Mean=7.587, Std. Dev.=0.1654, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

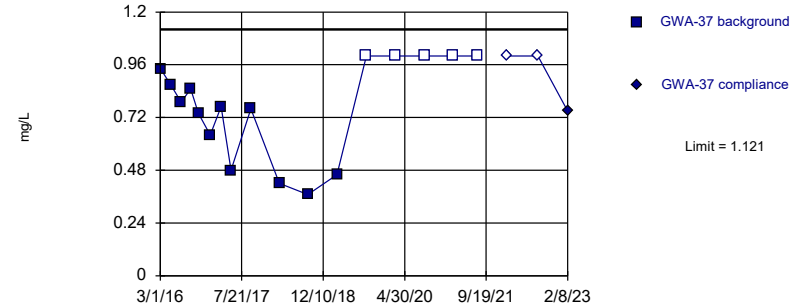


Background Data Summary (based on square root transformation): Mean=1.839, Std. Dev.=0.6284, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

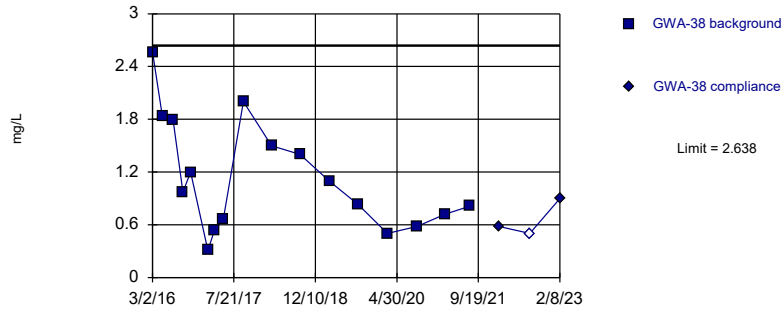


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.6744, Std. Dev.=0.1865, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8734, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

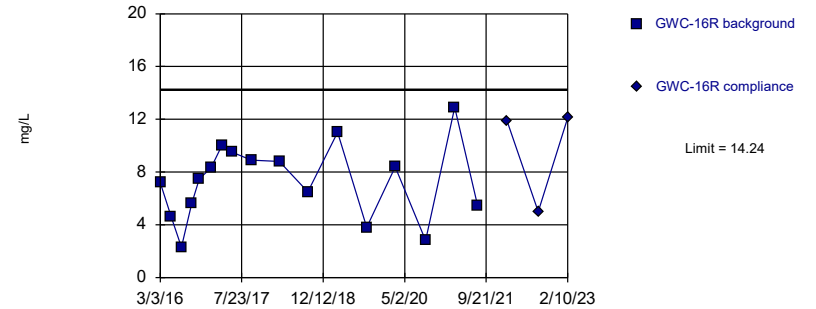


Background Data Summary: Mean=1.136, Std. Dev.=0.6276, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9321, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

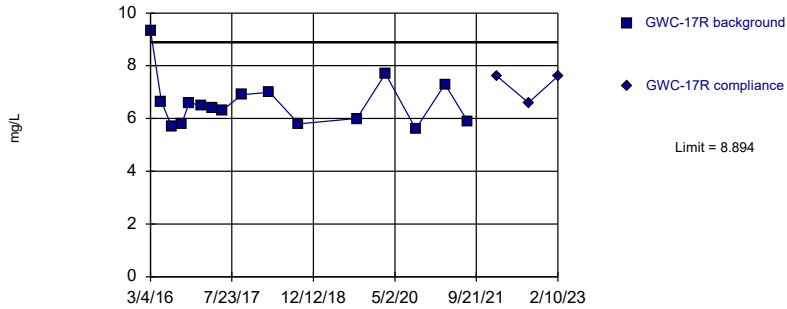


Background Data Summary: Mean=7.264, Std. Dev.=2.917, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9823, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

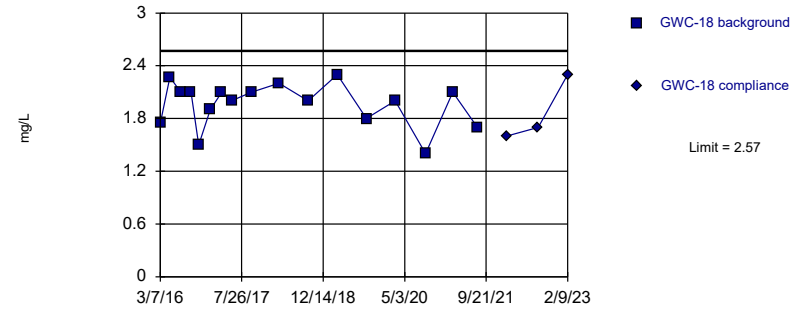


Background Data Summary: Mean=6.593, Std. Dev.=0.9504, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8484, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

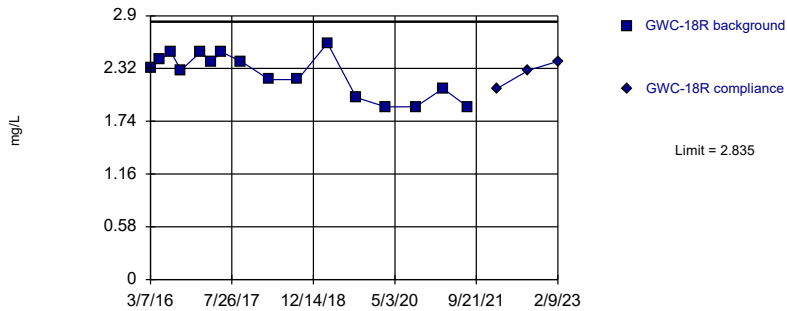


Background Data Summary: Mean=1.96, Std. Dev.=0.2549, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

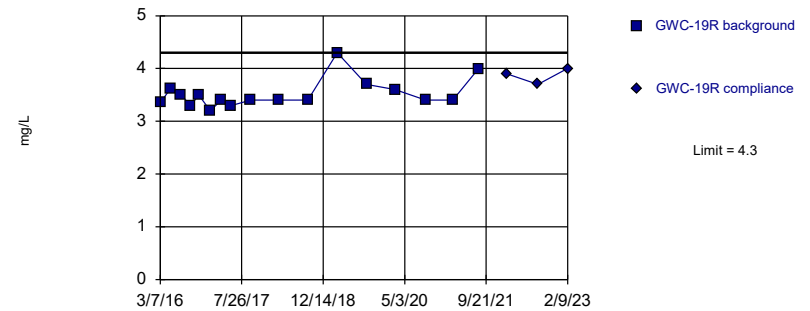


Background Data Summary: Mean=2.259, Std. Dev.=0.2378, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9093, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

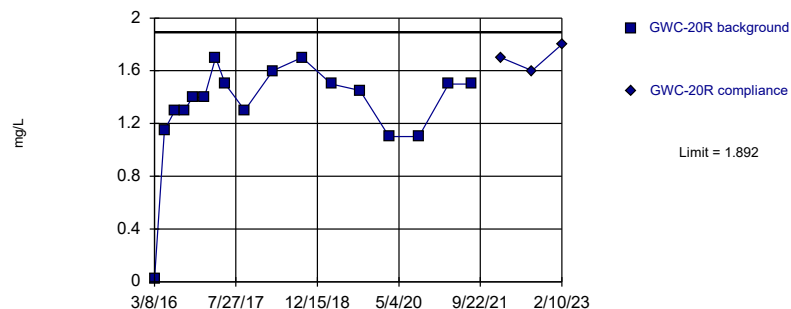


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

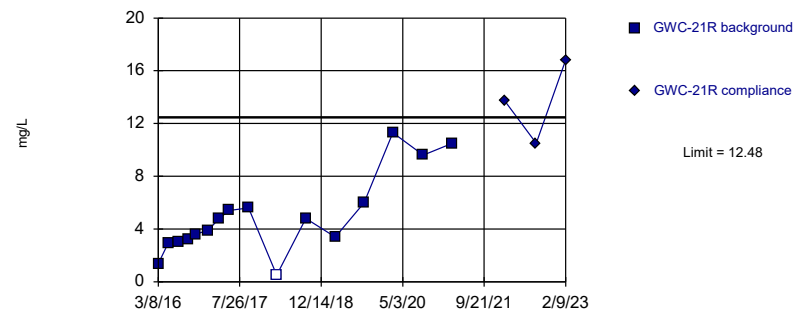


Background Data Summary (based on square transformation): Mean=1.893, Std. Dev.=0.7053, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit Intrawell Parametric

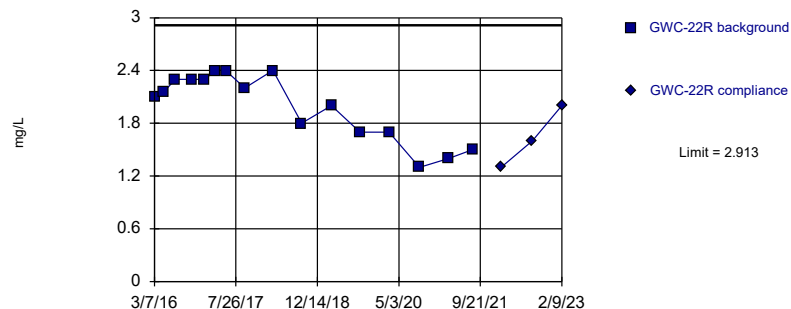


Background Data Summary: Mean=4.995, Std. Dev.=3.09, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9005, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

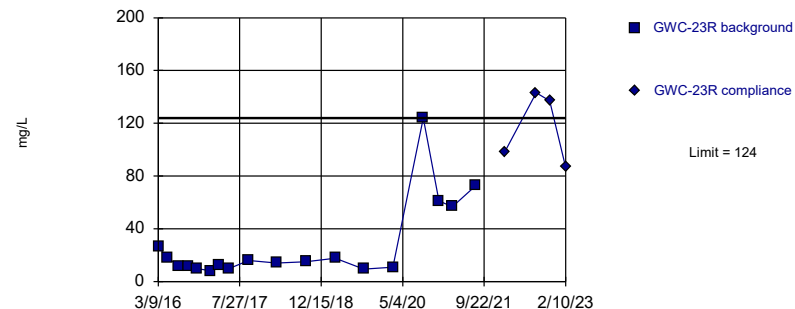


Background Data Summary: Mean=1.998, Std. Dev.=0.3782, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8856, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

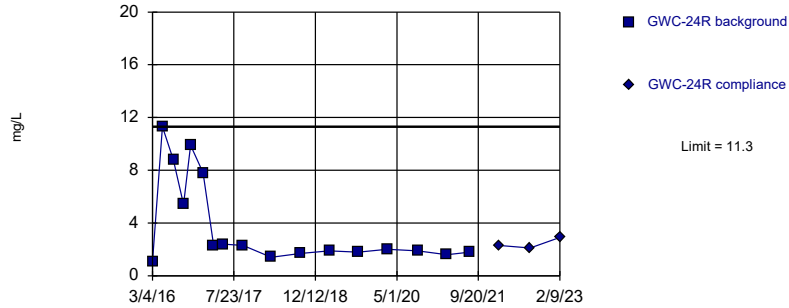


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

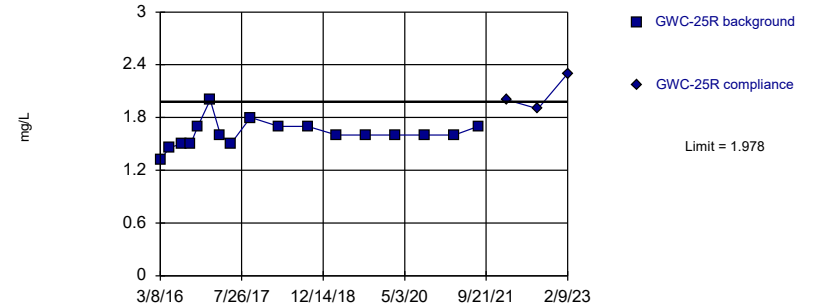


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

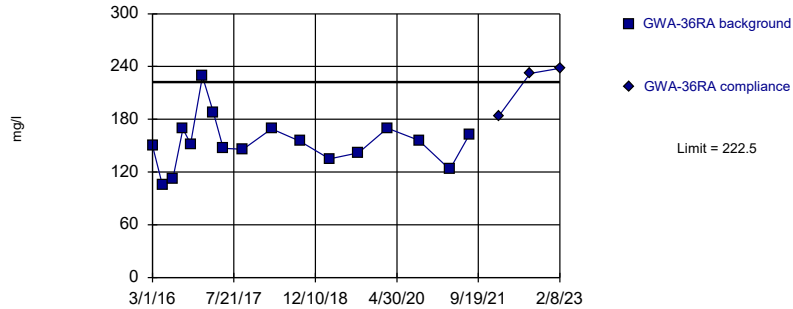


Background Data Summary: Mean=1.616, Std. Dev.=0.1512, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.93, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric



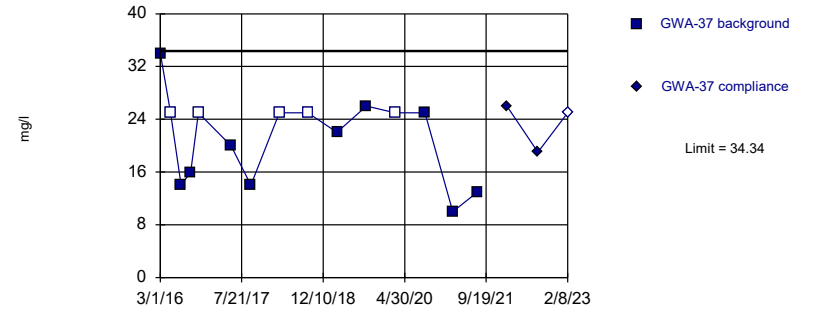
Background Data Summary: Mean=153.6, Std. Dev.=28.78, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9412, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit
Intrawell Parametric

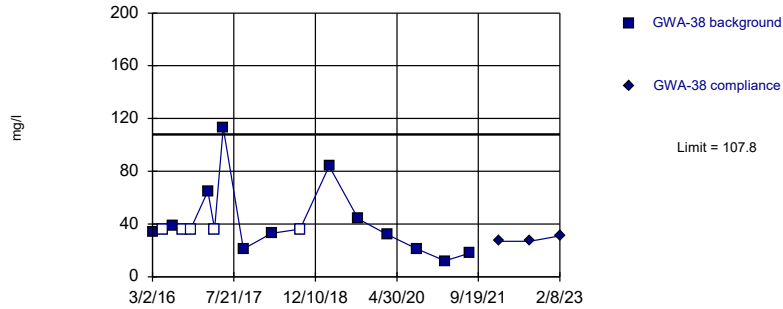


Background Data Summary (after Kaplan-Meier Adjustment): Mean=17.84, Std. Dev.=6.664, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.903, critical = 0.835. Kappa = 2.476 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

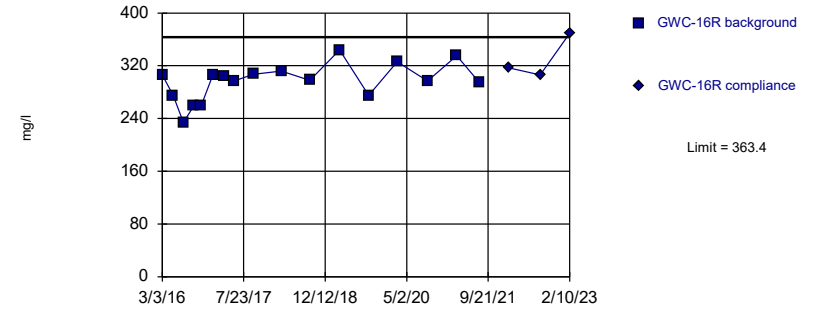


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.762, Std. Dev.=1.933, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8791, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

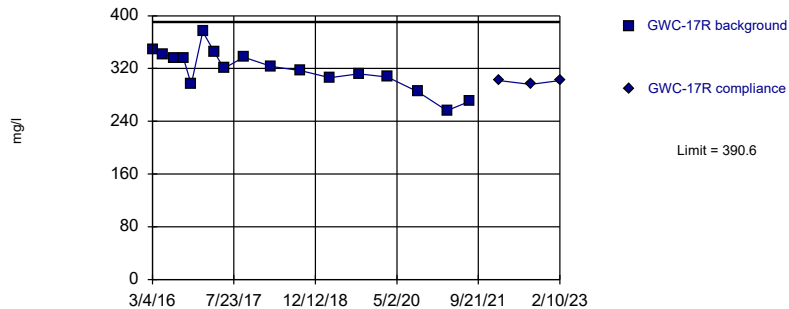


Background Data Summary: Mean=295.8, Std. Dev.=28.25, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

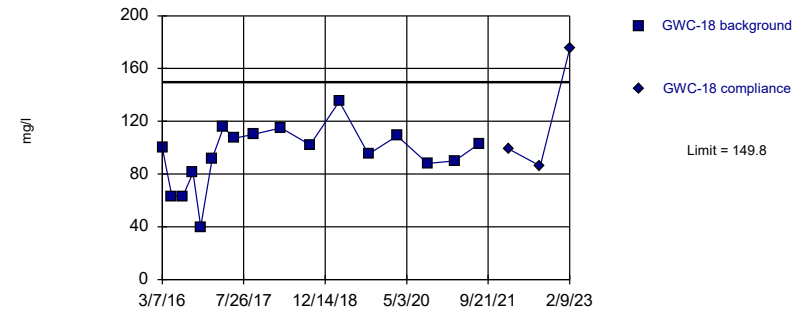


Background Data Summary: Mean=318.3, Std. Dev.=30.22, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

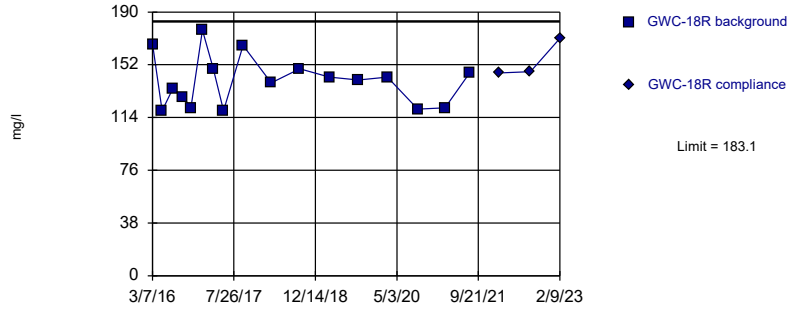


Background Data Summary: Mean=94.65, Std. Dev.=23.04, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

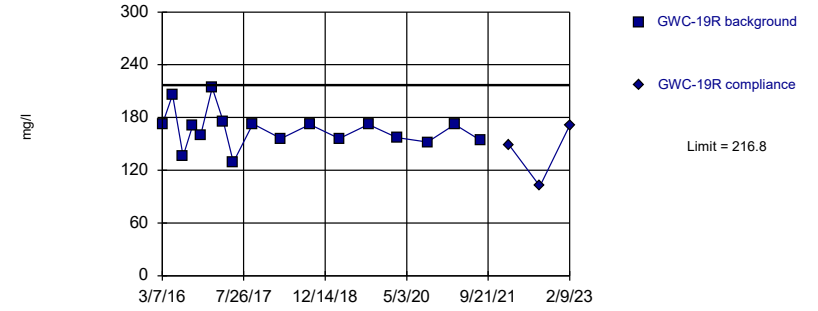


Background Data Summary: Mean=140.2, Std. Dev.=17.93, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

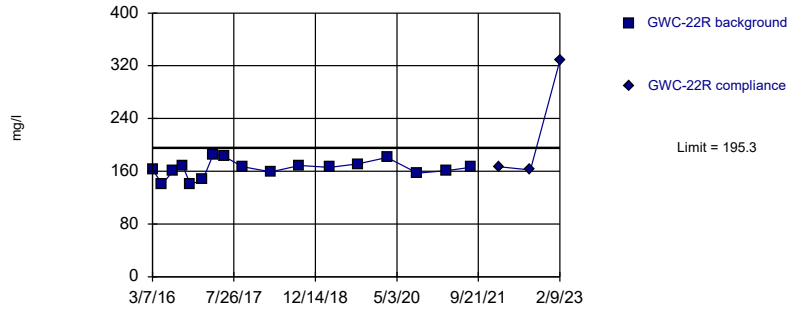
Within Limit

Prediction Limit
Intrawell Parametric



Exceeds Limit

Prediction Limit
Intrawell Parametric

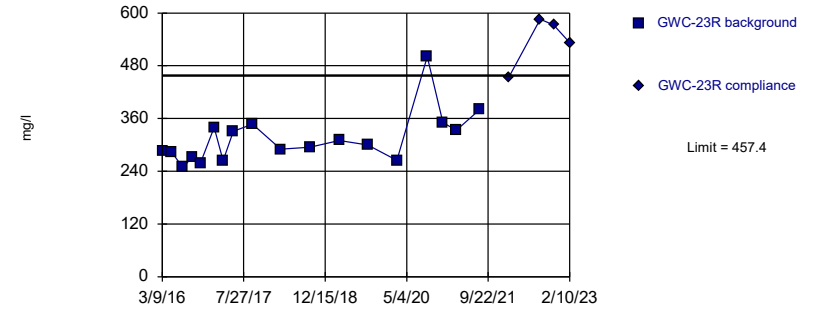


Background Data Summary: Mean=163.8, Std. Dev.=13.17, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

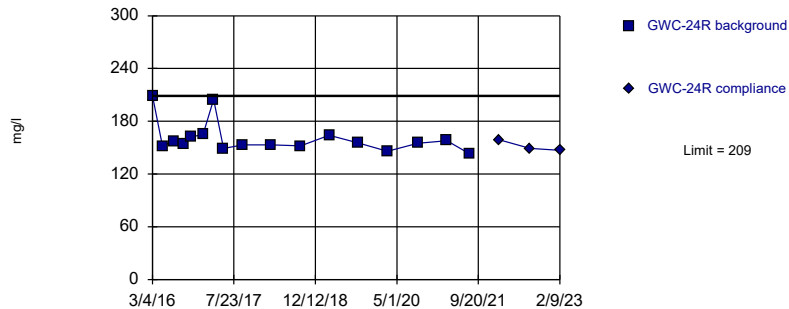


Background Data Summary (based on square root transformation): Mean=17.66, Std. Dev.=1.576, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8704, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

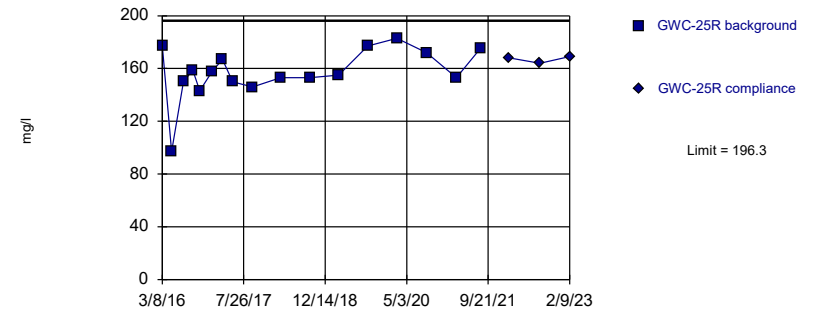


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=24995, Std. Dev.=5655, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8993, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 3/23/2023 5:16 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	3.096	
5/2/2016	2.92	
7/6/2016	3.2	
9/7/2016	3.4	
10/25/2016	3.4	
1/5/2017	3.3	
3/14/2017	2.9	
5/16/2017	2.9	
9/15/2017	2.7	
3/12/2018	3.2	
9/6/2018	2.7	
3/7/2019	2.8	
9/4/2019	2.7	
3/2/2020	2.4	
9/14/2020	2.9	
3/26/2021	2.5	
7/27/2021	2.8	
1/26/2022		2.4
8/8/2022		2.6
2/8/2023		3.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	1.2389	
5/3/2016	1.22	
7/8/2016	1.2	
9/7/2016	1	
10/25/2016	1.2	
1/6/2017	0.97	
3/14/2017	1	
5/16/2017	0.9	
9/15/2017	1.1	
3/12/2018	1.1	
9/6/2018	1	
3/6/2019	<1.1	
9/4/2019	0.81 (J)	
3/2/2020	0.78 (J)	
9/3/2020	0.82 (J)	
2/24/2021	0.84 (J)	
7/28/2021	0.88 (J)	
1/26/2022		0.88 (J)
8/8/2022		0.64 (J)
2/8/2023		1.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	2.4559	
5/3/2016	2.49	
7/7/2016	2.5	
9/8/2016	2.2	
10/25/2016	2.5	
2/9/2017	2	
3/23/2017	2.2	
5/17/2017	2.4	
9/19/2017	2.5	
3/13/2018	2.4	
9/6/2018	2.7	
3/7/2019	2.9	
9/4/2019	2.9	
3/2/2020	2.5	
9/3/2020	2.9	
2/24/2021	3.1	
7/28/2021	3.3	
1/25/2022		3.2
8/5/2022		3.1
2/8/2023		3.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	1.3707 (D)	
5/10/2016	1.41	
7/13/2016	1.7	
9/15/2016	1.9	
11/2/2016	2.3	
1/11/2017	2	
3/20/2017	2.2	
5/23/2017	2	
9/21/2017	2.3	
3/14/2018	2.1	
9/7/2018	2.1	
3/11/2019	2.4	
9/9/2019	1.1	
3/4/2020	0.79 (J)	
9/9/2020	1 (J)	
3/9/2021	1.5	
7/30/2021	1	
1/28/2022		1.6
8/11/2022		1.4
2/10/2023		1.8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	6.4905	
5/10/2016	7.1	
7/14/2016	6.4	
9/14/2016	6	
11/1/2016	7	
1/11/2017	6	
3/21/2017	6.1	
5/23/2017	6	
9/22/2017	6.2	
3/14/2018	6.1	
9/11/2018	6.7	
3/12/2019	6.9	
9/10/2019	4.5	
3/5/2020	4.5	
9/9/2020	4.3	
3/10/2021	4.7	
7/30/2021	4.3	
1/28/2022		4.6
8/11/2022		4.7
2/10/2023		4.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	2.0446	
5/5/2016	2.28	
7/13/2016	2.2	
9/13/2016	2	
10/31/2016	2.3	
1/12/2017	1.9	
3/23/2017	2.2	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.1	
9/11/2018	2.3	
3/12/2019	2.8	
9/9/2019	2	
3/6/2020	2.2	
9/9/2020	2.1	
2/26/2021	2.3	
7/29/2021	2.1	
1/28/2022		2.1
8/10/2022		2.3
2/9/2023		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.2698	
5/5/2016	2.48	
7/13/2016	2.5	
9/12/2016	2.5	
11/1/2016	2.9	
1/11/2017	2.5	
3/20/2017	2.2	
5/22/2017	2.3	
9/21/2017	2.3	
3/14/2018	2.2	
9/7/2018	2.3	
3/12/2019	3.3	
9/6/2019	2.3	
3/5/2020	2.2	
9/9/2020	2.3	
2/26/2021	2.4	
7/29/2021	2.2	
1/27/2022		2.3
8/10/2022		2.6
2/9/2023		2.6

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	2.3254	
5/9/2016	2.48	
7/14/2016	2.5	
9/12/2016	2.5	
10/31/2016	3	
1/11/2017	2.5	
3/21/2017	2.3	
5/22/2017	2.4	
9/20/2017	2.4	
3/14/2018	2.2	
9/10/2018	2.1	
3/12/2019	2.8	
9/9/2019	2.3	
3/4/2020	2.3	
9/9/2020	2.4	
2/26/2021	2.4	
8/5/2021	2.6	
1/27/2022		2.5
8/9/2022		2.3
2/9/2023		2.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	1.2699	
5/9/2016	1.39	
7/14/2016	1.7	
9/12/2016	1.6	
10/31/2016	1.9	
1/12/2017	1.8	
3/22/2017	2	
5/22/2017	1.9	
9/19/2017	1.9	
3/14/2018	2	
9/10/2018	1.6	
3/12/2019	2.7	
9/6/2019	1.6	
3/5/2020	1.5	
9/4/2020	1.5	
3/9/2021	1.9	
8/2/2021	1.8	
1/27/2022		1.9
8/9/2022		1.7
2/10/2023		2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	4.2184	
5/9/2016	3.08	
7/15/2016	3.8	
9/9/2016	3.9	
10/27/2016	4.7	
1/12/2017	4.2	
3/21/2017	4.2	
5/23/2017	4.1	
9/19/2017	4.4	
3/14/2018	4.4	
9/10/2018	3.9	
3/11/2019	4.2	
9/6/2019	3.5	
3/3/2020	3.9	
9/8/2020	4.1	
3/9/2021	5	
8/2/2021	5.6	
1/28/2022		4.6
8/10/2022		4.1
2/9/2023		4.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.6729	
5/5/2016	2.81	
7/14/2016	2.8	
9/12/2016	2.8	
10/27/2016	3.3	
1/13/2017	2.7	
3/20/2017	2.8	
5/23/2017	2.6	
9/19/2017	2.6	
3/13/2018	2.8	
9/7/2018	2.7	
3/11/2019	3.2	
9/5/2019	2.7	
3/3/2020	2.5	
9/8/2020	2.6	
3/9/2021	2.4	
8/2/2021	2.4	
1/27/2022		2.5
8/10/2022		2.7
2/9/2023		2.7

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	1.5349	
5/6/2016	1.63	
7/15/2016	2	
9/14/2016	2	
11/1/2016	2.4	
1/25/2017	2.1	
3/22/2017	2.2	
5/24/2017	2	
9/21/2017	2.4	
3/14/2018	2.2	
9/11/2018	2.4	
3/12/2019	2.4	
9/6/2019	1.4	
3/5/2020	1.3	
9/9/2020	2	
3/10/2021	1.6	
7/30/2021	1.4	
1/28/2022		1.7
8/11/2022		2.1
2/10/2023		2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	2.7291	
5/5/2016	2.54	
7/12/2016	2.6	
9/13/2016	2.5	
10/27/2016	3.1	
1/13/2017	2.7	
3/20/2017	2.6	
5/19/2017	2.5	
9/19/2017	2.3	
3/13/2018	<0.25	
9/11/2018	2.3	
3/8/2019	2.6	
9/5/2019	2.2	
3/3/2020	2.1	
9/9/2020	2.5	
3/9/2021	2.1	
7/29/2021	2.2	
1/28/2022		2.2
8/9/2022		2
2/9/2023		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	2.5307	
5/4/2016	2.76	
7/18/2016	2.8	
9/13/2016	2.7	
10/27/2016	3.2	
1/13/2017	2.6	
3/16/2017	2.6	
5/19/2017	2.6	
9/19/2017	2.4	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.8	
9/5/2019	2.5	
3/3/2020	2.4	
9/4/2020	2.5	
3/9/2021	2.3	
8/2/2021	2.3	
1/27/2022		2.4
8/9/2022		2.2
2/9/2023		2.6

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	7.45	
5/2/2016	7.31	
7/6/2016	7.4	
9/7/2016	7.32	
10/25/2016	7.4	
1/5/2017	7.29	
3/14/2017	7.48	
5/16/2017	7.38	
9/15/2017	7.35	
3/12/2018	7.26	
9/6/2018	7.21	
3/7/2019	7.48	
9/4/2019	7.14	
3/2/2020	7.24	
9/14/2020	7.1	
3/26/2021	7.11	
7/27/2021	7.65	
1/26/2022		7.01
8/8/2022		7.11
2/8/2023		6.88

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	5.94	
5/3/2016	5.85	
7/8/2016	5.74	
9/7/2016	5.79	
10/25/2016	5.88	
1/6/2017	5.82	
3/14/2017	5.8	
5/16/2017	5.02	
9/15/2017	5.68	
3/12/2018	5.72	
9/6/2018	5.59	
3/6/2019	5.38	
9/4/2019	5.09	
3/2/2020	5.52	
9/3/2020	5.17	
2/24/2021	5.49	
7/28/2021	5.29	
1/26/2022		4.69
8/8/2022		5.16
2/8/2023		5.3

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	5.65	
5/3/2016	5.72	
7/7/2016	5.68	
9/8/2016	5.42	
10/25/2016	5.41	
2/9/2017	4.99	
3/23/2017	4.94	
5/17/2017	5.18	
9/19/2017	5.53	
3/13/2018	5.57	
9/6/2018	5.69	
3/7/2019	5.54	
9/4/2019	5.91	
3/2/2020	5.49	
9/3/2020	5.32	
2/24/2021	5.23	
7/28/2021	5.21	
1/25/2022		5.14
8/5/2022		4.98
2/8/2023		5.13

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.22	
5/10/2016	7.08	
7/13/2016	7.05	
9/15/2016	7.51	
11/2/2016	7.1	
1/11/2017	7.16	
3/20/2017	7.19	
5/23/2017	6.97	
9/21/2017	7.28	
3/14/2018	7.11	
9/7/2018	7.08	
3/11/2019	7.21	
9/9/2019	7.13	
3/4/2020	7.37	
9/9/2020	7.08	
3/9/2021	7.34	
7/30/2021	7.04	
1/28/2022		7.31
8/11/2022		7.05
2/10/2023		7.02

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	7.24	
5/10/2016	7.18	
7/14/2016	7.21	
9/13/2016	7.17	
11/1/2016	7.18	
1/11/2017	7.11	
3/21/2017	7.24	
5/23/2017	7.21	
9/22/2017	7.2	
3/14/2018	7.16	
9/11/2018	7.13	
3/12/2019	7.28	
9/10/2019	7.17	
3/5/2020	7.3	
9/9/2020	7.24	
3/10/2021	7.27	
7/30/2021	7.17	
1/28/2022		7.34
8/11/2022		7.27
2/10/2023		7.12

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	6.81	
5/5/2016	6	
7/13/2016	6.67	
9/13/2016	6.67	
10/31/2016	6.15	
1/12/2017	6.79	
3/23/2017	7.04	
5/23/2017	7.02	
9/25/2017	6.81	
3/14/2018	7.06	
9/11/2018	6.97	
3/12/2019	7.06	
9/9/2019	6.71	
3/6/2020	7.01	
9/9/2020	6.63	
2/26/2021	7.07	
7/29/2021	6.77	
1/28/2022		6.6
8/10/2022		6.53
2/9/2023		6.68

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	7.7	
5/5/2016	7.85	
7/13/2016	7.85	
9/12/2016	7.87	
11/1/2016	7.78	
1/11/2017	7.75	
3/20/2017	7.86	
5/22/2017	7.51	
9/21/2017	7.84	
3/14/2018	7.51	
9/7/2018	7.69	
3/12/2019	7.76	
9/6/2019	7.65	
3/5/2020	7.77	
9/9/2020	7.81	
2/26/2021	7.81	
7/29/2021	7.74	
1/27/2022		7.76
8/10/2022		7.59
2/9/2023		7.46

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	7.68	
5/9/2016	7.66	
7/14/2016	7.74	
9/12/2016	7.76	
10/31/2016	7.74	
1/11/2017	7.69	
3/21/2017	7.54	
5/22/2017	7.79	
9/20/2017	7.77	
3/14/2018	7.74	
9/10/2018	7.69	
3/12/2019	7.6	
9/9/2019	7.73	
3/4/2020	7.65	
9/9/2020	7.67	
2/26/2021	7.73	
8/5/2021	7.66	
1/27/2022		7.74
8/9/2022		7.77
2/9/2023		7.38

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	7.62	
5/9/2016	7.72	
7/14/2016	7.69	
9/12/2016	7.52	
10/31/2016	7.51	
1/12/2017	7.46	
3/22/2017	7.77	
5/22/2017	7.5	
9/19/2017	7.49	
12/29/2017	7.75 (Y)	
3/14/2018	7.62	
9/10/2018	7.84	
3/12/2019	7.63	
9/6/2019	7.75	
3/5/2020	7.6	
9/4/2020	7.57	
3/9/2021	7.81	
8/2/2021	7.67	
1/27/2022		7.73
8/9/2022		7.81
2/10/2023		7.34

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	6.86	
5/9/2016	7.08	
7/15/2016	7.2	
9/9/2016	7.17	
10/27/2016	7.14	
1/12/2017	7.06	
3/21/2017	7.14	
5/23/2017	6.9	
9/19/2017	7.18	
3/14/2018	6.99	
9/10/2018	6.96	
3/11/2019	6.95	
9/6/2019	7.04	
3/3/2020	7.1	
9/8/2020	7.07	
3/9/2021	6.98	
8/2/2021	7.01	
1/28/2022		6.69
8/10/2022		6.98
2/9/2023		7.13

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	7.61	
5/5/2016	7.79	
7/14/2016	7.76	
9/12/2016	7.6	
10/27/2016	7.73	
1/13/2017	7.68	
3/20/2017	7.6	
5/23/2017	7.81	
9/19/2017	7.46	
1/9/2018	7.39 (Y)	
3/13/2018	7.49	
9/7/2018	7.53	
3/11/2019	7.51	
9/5/2019	7.09	
3/3/2020	7.15	
9/8/2020	7.19	
3/9/2021	7.35	
8/2/2021	7.1	
1/27/2022		7.28
8/10/2022		7.1
2/9/2023		7.05

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017	7.24	
3/14/2018	7.4	
9/11/2018	7.78	
3/12/2019	7.42	
9/6/2019	7.32	
3/5/2020	7.24	
9/9/2020	7.12	
12/15/2020	7.39	
3/10/2021	7.41	
7/30/2021	7.13	
1/28/2022		7.38
8/11/2022		7.37
11/3/2022		6.65 (R)
2/10/2023		7.01

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	6.95	
5/5/2016	7.58	
7/12/2016	7.58	
9/13/2016	7.62	
10/27/2016	7.64	
1/13/2017	7.28	
3/20/2017	7.23	
5/19/2017	7.15	
9/19/2017	7.54	
3/13/2018	7.02	
9/11/2018	7.4	
3/8/2019	7.65	
9/5/2019	7.4	
3/3/2020	7.55	
9/9/2020	7.22	
3/9/2021	7.8	
7/29/2021	7.32	
1/28/2022		7.68
8/9/2022		7.48
2/9/2023		7.44

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	7.4	
5/4/2016	7.6	
7/18/2016	7.61	
9/13/2016	7.56	
10/27/2016	7.69	
1/13/2017	7.62	
3/16/2017	7.43	
5/19/2017	7.32	
9/19/2017	7.62	
3/13/2018	7.43	
9/11/2018	7.69	
3/8/2019	7.69	
9/5/2019	7.59	
3/3/2020	7.56	
9/4/2020	7.62	
3/9/2021	8.07	
8/2/2021	7.48	
1/27/2022		7.46
8/9/2022		7.6
2/9/2023		7.51

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	6.8929	
5/2/2016	1.6	
7/6/2016	1.7	
9/7/2016	1.5	
10/25/2016	1.8	
1/5/2017	4.6	
3/14/2017	2.8	
5/16/2017	2.1	
9/15/2017	3	
3/12/2018	8.2	
9/6/2018	1.5	
3/7/2019	4.3	
9/4/2019	1.8	
3/2/2020	7.9	
9/14/2020	1.3	
3/26/2021	5.4	
7/27/2021	7.4	
1/26/2022		7.5
8/8/2022		19.2
2/8/2023		21.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	0.9427 (J)	
5/3/2016	0.87 (J)	
7/8/2016	0.79 (J)	
9/7/2016	0.85 (J)	
10/25/2016	0.74 (J)	
1/6/2017	0.64 (J)	
3/14/2017	0.77 (J)	
5/16/2017	0.48 (J)	
9/15/2017	0.76 (J)	
3/12/2018	0.42 (J)	
9/6/2018	0.37 (J)	
3/6/2019	0.46 (J)	
9/4/2019	<1	
3/2/2020	<1	
9/3/2020	<1	
2/24/2021	<1	
7/28/2021	<1	
1/26/2022		<1
8/8/2022		<1
2/8/2023		0.75 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	2.5669	
5/3/2016	1.83	
7/7/2016	1.8	
9/8/2016	0.97 (J)	
10/25/2016	1.2	
2/9/2017	0.31 (J)	
3/23/2017	0.54 (J)	
5/17/2017	0.66 (J)	
9/19/2017	2	
3/13/2018	1.5	
9/6/2018	1.4	
3/7/2019	1.1	
9/4/2019	0.83 (J)	
3/2/2020	0.5 (J)	
9/3/2020	0.58 (J)	
2/24/2021	0.72 (J)	
7/28/2021	0.81 (J)	
1/25/2022		0.58 (J)
8/5/2022		<1
2/8/2023		0.9 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.1809	
5/10/2016	4.6	
7/13/2016	2.3	
9/15/2016	5.6	
11/2/2016	7.5	
1/11/2017	8.3	
3/20/2017	10	
5/23/2017	9.5	
9/21/2017	8.9	
3/14/2018	8.8	
9/7/2018	6.5	
3/11/2019	11	
9/9/2019	3.8	
3/4/2020	8.4	
9/9/2020	2.8	
3/9/2021	12.9	
7/30/2021	5.4	
1/28/2022		11.9
8/11/2022		5
2/10/2023		12.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	9.3417	
5/10/2016	6.65	
7/14/2016	5.7	
9/14/2016	5.8	
11/1/2016	6.6	
1/11/2017	6.5	
3/21/2017	6.4	
5/23/2017	6.3	
9/22/2017	6.9	
3/14/2018	7	
9/11/2018	5.8	
3/12/2019	25.9 (O)	
9/10/2019	6	
3/5/2020	7.7	
9/9/2020	5.6	
3/10/2021	7.3	
7/30/2021	5.9	
1/28/2022		7.6
8/11/2022		6.6
2/10/2023		7.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	1.7468	
5/5/2016	2.27	
7/13/2016	2.1	
9/13/2016	2.1	
10/31/2016	1.5	
1/12/2017	1.9	
3/23/2017	2.1	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.2	
9/11/2018	2	
3/12/2019	2.3	
9/9/2019	1.8	
3/6/2020	2	
9/9/2020	1.4	
2/26/2021	2.1	
7/29/2021	1.7	
1/28/2022		1.6
8/10/2022		1.7
2/9/2023		2.3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.3258	
5/5/2016	2.42	
7/13/2016	2.5	
9/12/2016	2.3	
1/11/2017	2.5	
3/20/2017	2.4	
5/22/2017	2.5	
9/21/2017	2.4	
3/14/2018	2.2	
9/7/2018	2.2	
3/12/2019	2.6	
9/6/2019	2	
3/5/2020	1.9	
9/9/2020	1.9	
2/26/2021	2.1	
7/29/2021	1.9	
1/27/2022		2.1
8/10/2022		2.3
2/9/2023		2.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	3.3556	
5/9/2016	3.62	
7/14/2016	3.5	
9/12/2016	3.3	
10/31/2016	3.5	
1/11/2017	3.2	
3/21/2017	3.4	
5/22/2017	3.3	
9/20/2017	3.4	
3/14/2018	3.4	
9/10/2018	3.4	
3/12/2019	4.3	
9/9/2019	3.7	
3/4/2020	3.6	
9/9/2020	3.4	
2/26/2021	3.4	
8/5/2021	4	
1/27/2022		3.9
8/9/2022		3.7
2/9/2023		4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	0.0196 (J)	
5/9/2016	1.15	
7/14/2016	1.3	
9/12/2016	1.3	
10/31/2016	1.4	
1/12/2017	1.4	
3/22/2017	1.7	
5/22/2017	1.5	
9/19/2017	1.3	
3/14/2018	1.6	
9/10/2018	1.7	
3/12/2019	1.5	
9/6/2019	1.45 (D)	
3/5/2020	1.1	
9/4/2020	1.1	
3/9/2021	1.5	
8/2/2021	1.5	
1/27/2022		1.7
8/9/2022		1.6
2/10/2023		1.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	1.3858	
5/9/2016	2.94	
7/15/2016	3	
9/9/2016	3.2	
10/27/2016	3.6	
1/12/2017	3.9	
3/21/2017	4.8	
5/23/2017	5.4	
9/19/2017	5.6	
3/14/2018	<1	
9/10/2018	4.8	
3/11/2019	3.4	
9/6/2019	6	
3/3/2020	11.3	
9/8/2020	9.6	
3/9/2021	10.5	
8/2/2021	21.5 (o)	
1/28/2022		13.7
8/10/2022		10.5
2/9/2023		16.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.1008	
5/5/2016	2.16	
7/14/2016	2.3	
10/27/2016	2.3	
1/13/2017	2.3	
3/20/2017	2.4	
5/23/2017	2.4	
9/19/2017	2.2	
3/13/2018	2.4	
9/7/2018	1.8	
3/11/2019	2	
9/5/2019	1.7	
3/3/2020	1.7	
9/8/2020	1.3	
3/9/2021	1.4	
8/2/2021	1.5	
1/27/2022		1.3
8/10/2022		1.6
2/9/2023		2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017	16	
3/14/2018	14	
9/11/2018	14.9	
3/12/2019	17.7	
9/6/2019	9.5	
3/5/2020	10.8	
9/9/2020	124	
12/15/2020	61.2	
3/10/2021	56.8	
7/30/2021	72.6	
1/28/2022		98.4
8/11/2022		143
11/3/2022		137 (R)
2/10/2023		86.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	1.0816	
5/5/2016	11.3	
7/12/2016	8.8	
9/13/2016	5.4	
10/27/2016	9.9	
1/13/2017	7.8	
3/20/2017	2.3	
5/19/2017	2.4	
9/19/2017	2.3	
3/13/2018	1.4	
9/11/2018	1.7	
3/8/2019	1.9	
9/5/2019	1.8	
3/3/2020	2	
9/9/2020	1.9	
3/9/2021	1.6	
7/29/2021	1.8	
1/28/2022		2.3
8/9/2022		2.1
2/9/2023		2.9

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/23/2023 5:17 PM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	1.3157	
5/4/2016	1.46	
7/18/2016	1.5	
9/13/2016	1.5	
10/27/2016	1.7	
1/13/2017	2	
3/16/2017	1.6	
5/19/2017	1.5	
9/19/2017	1.8	
3/13/2018	1.7	
9/11/2018	1.7	
3/8/2019	1.6	
9/5/2019	1.6	
3/3/2020	1.6	
9/4/2020	1.6	
3/9/2021	1.6	
8/2/2021	1.7	
1/27/2022		2
8/9/2022		1.9
2/9/2023		2.3

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	150	
5/2/2016	105	
7/6/2016	113	
9/7/2016	169	
10/25/2016	152	
1/5/2017	229	
3/14/2017	188	
5/16/2017	147	
9/15/2017	146	
3/12/2018	169	
9/6/2018	155	
3/7/2019	135	
9/4/2019	142	
3/2/2020	170	
9/14/2020	156	
3/26/2021	123	
7/27/2021	163	
1/26/2022		184
8/8/2022		232
2/8/2023		238

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	34	
5/3/2016	<25	
7/8/2016	14 (J)	
9/7/2016	16 (J)	
10/25/2016	<25	
1/6/2017	189 (O)	
3/14/2017	90 (o)	
5/16/2017	20 (J)	
9/15/2017	14 (J)	
3/12/2018	<25	
9/6/2018	<25	
3/6/2019	22 (J)	
9/4/2019	26	
3/2/2020	<25	
9/3/2020	25	
2/24/2021	10	
7/28/2021	13	
1/26/2022		26
8/8/2022		19
2/8/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	34	
5/3/2016	<36	
7/7/2016	39	
9/8/2016	<36	
10/25/2016	<36	
2/9/2017	65	
3/23/2017	<36	
5/17/2017	113	
9/19/2017	21 (J)	
3/13/2018	33	
9/6/2018	<36	
3/7/2019	84	
9/4/2019	44	
3/2/2020	32	
9/3/2020	21	
2/24/2021	12	
7/28/2021	18	
1/25/2022		27
8/5/2022		27
2/8/2023		31

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	306	
5/10/2016	275	
7/13/2016	234	
9/15/2016	259	
11/2/2016	260	
1/11/2017	306	
3/20/2017	304	
5/23/2017	297	
9/21/2017	307	
3/14/2018	312	
9/7/2018	298	
3/11/2019	344	
9/9/2019	275	
3/4/2020	326	
9/9/2020	297	
3/9/2021	335	
7/30/2021	294	
1/28/2022		317
8/11/2022		306
2/10/2023		369

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	348	
5/10/2016	342	
7/14/2016	335	
9/14/2016	335	
11/1/2016	296	
1/11/2017	376	
3/21/2017	346	
5/23/2017	320	
9/22/2017	337	
3/14/2018	323	
9/11/2018	317	
3/12/2019	306	
9/10/2019	312	
3/5/2020	307	
9/9/2020	285	
3/10/2021	256	
7/30/2021	270	
1/28/2022		302
8/11/2022		296
2/10/2023		302

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	100	
5/5/2016	63	
7/13/2016	63	
9/13/2016	81	
10/31/2016	40	
1/12/2017	92	
3/23/2017	116	
5/23/2017	107	
9/25/2017	110	
3/14/2018	115	
9/11/2018	102	
3/12/2019	135 (J)	
9/9/2019	95	
3/6/2020	109	
9/9/2020	88	
2/26/2021	90	
7/29/2021	103	
1/28/2022		99
8/10/2022		86
2/9/2023		175

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	167	
5/5/2016	119	
7/13/2016	135	
9/12/2016	129	
11/1/2016	121	
1/11/2017	177	
3/20/2017	149	
5/22/2017	119	
9/21/2017	166	
3/14/2018	139	
9/7/2018	149	
3/12/2019	143 (J)	
9/6/2019	141	
3/5/2020	143	
9/9/2020	120	
2/26/2021	121	
7/29/2021	146	
1/27/2022		146
8/10/2022		147
2/9/2023		171

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	172	
5/9/2016	206	
7/14/2016	136	
9/12/2016	171	
10/31/2016	160	
1/11/2017	214	
3/21/2017	175 (J)	
5/22/2017	129	
9/20/2017	173	
3/14/2018	156	
9/10/2018	172	
3/12/2019	156 (J)	
9/9/2019	172	
3/4/2020	157	
9/9/2020	152	
2/26/2021	172	
8/5/2021	154	
1/27/2022		149
8/9/2022		102
2/9/2023		171

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	207	
5/9/2016	189	
7/14/2016	193	
9/12/2016	201	
10/31/2016	215	
1/12/2017	198	
5/22/2017	197	
9/19/2017	225	
12/29/2017	198 (Y)	
3/14/2018	167	
9/10/2018	184	
3/12/2019	191 (J)	
9/6/2019	179	
3/5/2020	171	
9/4/2020	212	
3/9/2021	163	
8/2/2021	168	
1/27/2022		176
8/9/2022		171
2/10/2023		226 (J)

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	318	
5/9/2016	136	
7/15/2016	237	
9/9/2016	263	
10/27/2016	283	
1/12/2017	276	
3/21/2017	385	
5/23/2017	294	
9/19/2017	302	
3/14/2018	306	
9/10/2018	328	
3/11/2019	311	
9/6/2019	291	
3/3/2020	292	
9/8/2020	297	
3/9/2021	286	
8/2/2021	292	
1/28/2022		290
8/10/2022		286
2/9/2023		317

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	163	
5/5/2016	140	
7/14/2016	161	
9/12/2016	168	
10/27/2016	140	
1/13/2017	147 (J)	
3/20/2017	186	
5/23/2017	183	
9/19/2017	167	
3/13/2018	159	
9/7/2018	169	
3/11/2019	166	
9/5/2019	171	
3/3/2020	181	
9/8/2020	157	
3/9/2021	161	
8/2/2021	166	
1/27/2022		167
8/10/2022		162
2/9/2023		328

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	287	
5/6/2016	284	
7/15/2016	249	
9/14/2016	273	
11/1/2016	258	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017	347	
3/14/2018	290	
9/11/2018	295	
3/12/2019	310 (J)	
9/6/2019	300	
3/5/2020	265	
9/9/2020	501	
12/15/2020	351	
3/10/2021	333	
7/30/2021	380	
1/28/2022		454
8/11/2022		586
11/3/2022		573 (R)
2/10/2023		533

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	209	
5/5/2016	152	
7/12/2016	157	
9/13/2016	154	
10/27/2016	162	
1/13/2017	165	
3/20/2017	205 (J)	
5/19/2017	149	
9/19/2017	153	
3/13/2018	153	
9/11/2018	152	
3/8/2019	164	
9/5/2019	155.5 (D)	
3/3/2020	146	
9/9/2020	155	
3/9/2021	158	
7/29/2021	143	
1/28/2022		159
8/9/2022		149
2/9/2023		147

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 3/23/2023 5:17 PM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	177	
5/4/2016	97	
7/18/2016	150	
9/13/2016	159	
10/27/2016	143	
1/13/2017	158	
3/16/2017	167	
5/19/2017	150	
9/19/2017	146	
3/13/2018	153	
9/11/2018	153	
3/8/2019	155	
9/5/2019	177	
3/3/2020	183	
9/4/2020	172	
3/9/2021	153	
8/2/2021	175	
1/27/2022		168
8/9/2022		164
2/9/2023		169

FIGURE F.

Appendix III Interwell Prediction Limits - Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

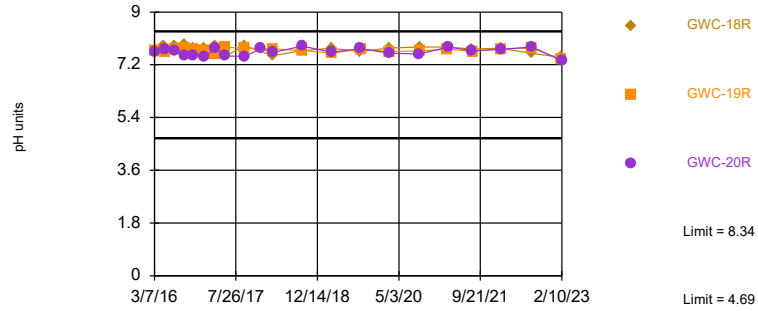
Appendix III Interwell Prediction Limits - Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:11 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-18R	8.34	4.69	2/9/2023	7.46	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-19R	8.34	4.69	2/9/2023	7.38	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-20R	8.34	4.69	2/10/2023	7.34	No	233	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-21R	132.5	n/a	2/9/2023	16.8	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	132.5	n/a	2/9/2023	2.3	No	231	n/a	n/a	3.896	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	410	n/a	2/10/2023	369	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	410	n/a	2/9/2023	175	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	410	n/a	2/9/2023	328	No	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	2/10/2023	533	Yes	227	n/a	n/a	4.846	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Within Limits

Prediction Limit
Interwell Non-parametric

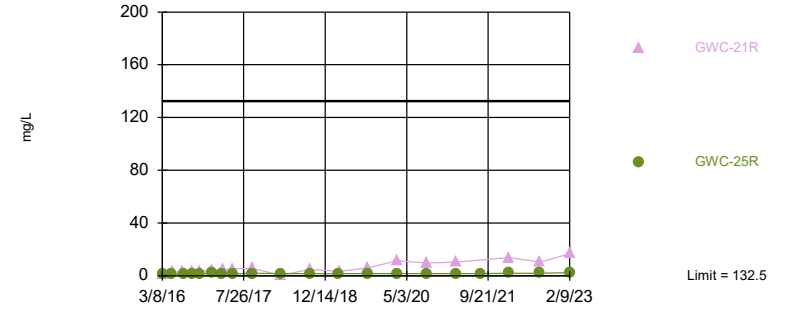


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 233 background values. Annual per-constituent alpha = 0.002161. Individual comparison alpha = 0.00009826 (1 of 2). Comparing 3 points to limit. Assumes 8 future values.

Constituent: pH Analysis Run 3/28/2023 8:10 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

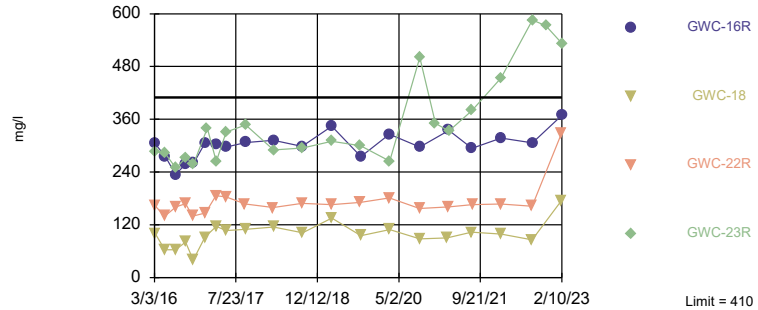


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 231 background values. 3.896% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 2 points to limit. Assumes 9 future values.

Constituent: Sulfate Analysis Run 3/28/2023 8:10 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-23R

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 227 background values. 4.846% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 4 points to limit. Assumes 7 future values.

Constituent: Total Dissolved Solids Analysis Run 3/28/2023 8:10 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-19R	GWC-18R	GWC-20R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016							
3/1/2016							
3/2/2016							
3/3/2016	7.44	7.95					
3/7/2016			7.68	7.7			
3/8/2016					7.62		
5/2/2016							
5/3/2016	7.64						
5/4/2016						7.52	
5/5/2016				7.85			
5/9/2016		7.66	7.66		7.72		
7/6/2016							
7/7/2016						7.42	
7/8/2016							
7/11/2016	7.72	7.86					
7/13/2016				7.85			
7/14/2016			7.74		7.69		
9/7/2016							
9/8/2016						7.4	
9/9/2016	7.66	7.89					
9/12/2016			7.76	7.87	7.52		
10/25/2016							
10/26/2016		7.98					7.59
10/27/2016	7.75						
10/31/2016			7.74		7.51		
11/1/2016				7.78			
1/5/2017							
1/6/2017						7.51	
1/9/2017	7.83	7.9					
1/11/2017			7.69	7.75			
1/12/2017					7.46		
2/9/2017							
3/14/2017							
3/15/2017		8					7.51
3/16/2017	7.78						
3/20/2017				7.86			
3/21/2017			7.54				
3/22/2017					7.77		
3/23/2017							
5/16/2017							
5/17/2017							
5/18/2017	7.64	8.21					7.64
5/19/2017							
5/22/2017			7.79	7.51	7.5		
7/18/2017						7.58	
7/19/2017						7.58	
9/15/2017		8.34					
9/18/2017	7.66						
9/19/2017					7.49	7.37	
9/20/2017			7.77				
9/21/2017				7.84			
12/29/2017					7.75 (Y)		

Prediction Limit

Constituent: pH (pH units) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-19R	GWC-18R	GWC-20R	GWA-51RZ (bg)	GWA-36A (bg)
1/9/2018		8.1 (Y)					
3/12/2018	7.11						
3/13/2018		8.03				7.62	
3/14/2018			7.74	7.51	7.62		
9/6/2018							
9/7/2018	7.6	8.14		7.69		7.36	
9/10/2018			7.69		7.84		
9/11/2018							
3/6/2019							
3/7/2019	7.22	8.05					
3/8/2019						7.55	
3/12/2019			7.6	7.76	7.63		
9/4/2019		7.79				7.39	
9/5/2019	7.53						
9/6/2019				7.65	7.75		
9/9/2019			7.73				
3/2/2020							
3/3/2020						7.73	
3/4/2020	7.27	7.95	7.65				
3/5/2020				7.77	7.6		
9/3/2020							
9/4/2020	7.64	7.82			7.57		
9/8/2020							
9/9/2020			7.67	7.81		7.59	
9/14/2020							
2/24/2021							
2/25/2021	7.27	7.85				7.43	
2/26/2021			7.73	7.81			
3/9/2021					7.81		
3/26/2021							
7/27/2021							
7/28/2021	7.17	7.79				7.29	
7/29/2021				7.74			
8/2/2021					7.67		
8/5/2021			7.66				
8/6/2021							
1/25/2022							
1/26/2022		7.45				7.78	
1/27/2022	7.27		7.74	7.76	7.73		
8/5/2022		7.6					
8/8/2022	7.26						6.79
8/9/2022			7.77		7.81	7.25	
8/10/2022				7.59			
2/8/2023							6.77
2/9/2023			7.38	7.46			
2/10/2023					7.34		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-53R (bg)
2/29/2016	5.7396								
3/1/2016		2.5655	0.9427 (J)	6.8929					
3/2/2016					32.178	7.1892	1.799	2.5669	2.0407
3/3/2016									
3/8/2016									
5/2/2016		1.64		1.6					
5/3/2016			0.87 (J)		39.2		1.94	1.83	1.86
5/4/2016	6.87					7.22			
5/9/2016									
7/6/2016				1.7					
7/7/2016		1.7						1.8	
7/8/2016	8.1		0.79 (J)			6.7	2		
7/11/2016					16				2
7/15/2016									
7/18/2016									
9/7/2016		1.8	0.85 (J)	1.5					1.9
9/8/2016	6.6					7	1.9	0.97 (J)	
9/9/2016					9.7				
9/13/2016									
10/25/2016		1.4	0.74 (J)	1.8				1.2	
10/26/2016	4.7				9.2	6.4	2.1		
10/27/2016									2.1
1/5/2017		1.9 (J)		4.6					
1/6/2017	4.8		0.64 (J)						2
1/9/2017					9.3	5.9	1.9		
1/12/2017									
1/13/2017									
2/9/2017								0.31 (J)	
3/14/2017			0.77 (J)	2.8					
3/15/2017	3.9	1.2				6.2			
3/16/2017					6.9		2		1.9
3/21/2017									
3/23/2017								0.54 (J)	
5/16/2017			0.48 (J)	2.1					
5/17/2017	5.2	1.2						0.66 (J)	
5/18/2017					7.9	6.1			
5/19/2017							2		1.9
5/23/2017									
7/19/2017									
9/15/2017	4.4	1	0.76 (J)	3	17	5.8			
9/18/2017									
9/19/2017							2	2	2.1
3/12/2018		0.77 (J)	0.42 (J)	8.2	28.7				
3/13/2018	8.5					4.9	1.9	1.5	1.9
3/14/2018									
9/6/2018	7.2	0.8 (J)	0.37 (J)	1.5		3.5		1.4	
9/7/2018					27.4				
9/10/2018									
9/11/2018							1.9		1.8
3/6/2019		0.45 (J)	0.46 (J)						
3/7/2019	12.7			4.3		2.6		1.1	
3/8/2019					31.8		1.8		

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-53R (bg)
3/11/2019									
3/12/2019									2.2
9/4/2019	4.2	0.68 (J)	<1	1.8				0.83 (J)	
9/5/2019					21.5	2.4	1.5		1.5
9/6/2019									
3/2/2020	16.3	<1	<1	7.9				0.5 (J)	
3/3/2020					29	1.7			
3/4/2020							1.5		1.7
9/3/2020	3.5	0.65 (J)	<1					0.58 (J)	
9/4/2020					20.4				
9/8/2020						1.8	1.4		1.4
9/9/2020									
9/14/2020				1.3					
2/24/2021	29.2	0.51 (J)	<1					0.72 (J)	
2/25/2021					34.5	1.7			
2/26/2021							1.6		1.6
3/9/2021									
3/26/2021				5.4					
7/27/2021	23.3			7.4		1.8			
7/28/2021			<1		32.8			0.81 (J)	
7/29/2021							1.3		1.4
8/2/2021									
8/6/2021		0.94 (J)							
1/25/2022	8.6					1.4		0.58 (J)	
1/26/2022			<1	7.5	32.5		1.4		1.6
1/27/2022									
1/28/2022									
8/5/2022	4.4					1.4		<1	
8/8/2022			<1	19.2	30		1.3		1.5
8/9/2022									
8/10/2022									
2/8/2023			0.75 (J)	21.7				0.9 (J)	
2/9/2023									

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-21R	GWC-25R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016	22.316	132.4615				
3/8/2016			1.3858	1.3157		
5/2/2016						
5/3/2016	20.8					
5/4/2016				1.46	16.8	
5/9/2016		34.3	2.94			
7/6/2016						
7/7/2016					18	
7/8/2016						
7/11/2016	17	58				
7/15/2016			3			
7/18/2016				1.5		
9/7/2016						
9/8/2016					18	
9/9/2016	14	66	3.2			
9/13/2016				1.5		
10/25/2016						
10/26/2016		76			20	
10/27/2016	15		3.6	1.7		
1/5/2017						
1/6/2017					21	
1/9/2017	17	85				
1/12/2017			3.9			
1/13/2017				2		
2/9/2017						
3/14/2017						
3/15/2017		100			17	
3/16/2017	15			1.6		
3/21/2017			4.8			
3/23/2017						
5/16/2017						
5/17/2017						
5/18/2017	24	87			19	
5/19/2017				1.5		
5/23/2017			5.4			
7/19/2017					10	
9/15/2017		110				
9/18/2017	22					
9/19/2017			5.6	1.8	22	
3/12/2018	22					
3/13/2018		94.8		1.7	27.3	
3/14/2018			<1			
9/6/2018						
9/7/2018	22.4	101			26.9	
9/10/2018			4.8			
9/11/2018				1.7		
3/6/2019						
3/7/2019	25	88.7				
3/8/2019				1.6	23.6	

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-21R	GWC-25R	GWA-51RZ (bg)	GWA-36A (bg)
3/11/2019			3.4			
3/12/2019						
9/4/2019		67.8			22.9	
9/5/2019	22.7			1.6		
9/6/2019			6			
3/2/2020						
3/3/2020			11.3	1.6	21.5	
3/4/2020	23.4	69.4				
9/3/2020						
9/4/2020	16.1	54.9		1.6		
9/8/2020			9.6			
9/9/2020					21.8	
9/14/2020						
2/24/2021						
2/25/2021	23.2	62.6			29.5	
2/26/2021						
3/9/2021			10.5	1.6		
3/26/2021						
7/27/2021						
7/28/2021	24.9	58.6			26.5	
7/29/2021						
8/2/2021			21.5 (o)	1.7		
8/6/2021						
1/25/2022						
1/26/2022		47.1			22.2	
1/27/2022	20.7			2		
1/28/2022			13.7			
8/5/2022		42.9				
8/8/2022	23.5					23.4
8/9/2022				1.9	22.3	
8/10/2022			10.5			
2/8/2023						24.6
2/9/2023			16.8	2.3		

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
2/29/2016	134								
3/1/2016		34	150	96					
3/2/2016					125	134	130	34	185
3/3/2016									
3/7/2016									
3/9/2016									
5/2/2016			105	63					
5/3/2016		<25				76	99	<25	182
5/4/2016	113				77				
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016			113						
7/7/2016				105				39	
7/8/2016	152	14 (J)			139		132		
7/11/2016						142			195
7/13/2016									
7/14/2016									
7/15/2016									
9/7/2016		16 (J)	169	103		143			
9/8/2016	124				110		108	<25	
9/9/2016									140
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		<25	152	101				<25	
10/26/2016	134				115		113		148
10/27/2016						114			
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017			229	155					
1/6/2017		189 (O)							
1/9/2017					121		146		171
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017								65	
3/14/2017		90 (o)	188						
3/15/2017	139			96	132				
3/16/2017						146	132		176
3/20/2017									
3/22/2017									
3/23/2017								<25	
5/16/2017		20 (J)	147						
5/17/2017	156			110				113	
5/18/2017					174				184
5/19/2017						129	114		
5/23/2017									

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
5/24/2017									
7/19/2017									
9/15/2017	141	14 (J)	146	89	124				194
9/18/2017									
9/19/2017						165	154	21 (J)	
9/21/2017									
9/25/2017									
3/12/2018		<25	169	81					212
3/13/2018	150				133	132	138	33	
3/14/2018									
9/6/2018	160	<25	155	107	135			<25	
9/7/2018									240
9/11/2018						142	140		
3/6/2019		22 (J)		71 (J)					
3/7/2019	159		135		111			84	
3/8/2019							143		248
3/11/2019									
3/12/2019						150 (J)			
9/4/2019	135	26	142	83				44	
9/5/2019					132	142	148		229
9/6/2019									
9/9/2019									
3/2/2020	142	<25	170	65				32	
3/3/2020					91				210
3/4/2020						157	146		
3/5/2020									
3/6/2020									
9/3/2020	132	25		90				21	
9/4/2020									226
9/8/2020					116	124	138		
9/9/2020									
9/14/2020			156						
12/15/2020									
2/24/2021	144	10		60				12	
2/25/2021					124				217
2/26/2021						98	128		
3/9/2021									
3/10/2021									
3/26/2021			123						
7/27/2021	170		163		116				
7/28/2021		13						18	232
7/29/2021						134	121		
7/30/2021									
8/2/2021									
8/6/2021				94					
1/25/2022	136				113			27	
1/26/2022		26	184			144	131		244
1/27/2022									
1/28/2022									
8/5/2022	123				106			27	
8/8/2022		19	232			136	137		240
8/9/2022									

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
8/10/2022									
8/11/2022									
11/3/2022									
2/8/2023		<25		238				31	
2/9/2023									
2/10/2023									

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-18	GWC-22R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016								
3/1/2016								
3/2/2016								
3/3/2016	403	181	306					
3/7/2016				100	163			
3/9/2016						287		
5/2/2016								
5/3/2016		123						
5/4/2016							175	
5/5/2016				63	140			
5/6/2016						284		
5/9/2016	182							
5/10/2016			275					
7/6/2016								
7/7/2016							204	
7/8/2016								
7/11/2016	262	149						
7/13/2016			234	63				
7/14/2016					161			
7/15/2016						249		
9/7/2016								
9/8/2016							141	
9/9/2016	272	133						
9/12/2016					168			
9/13/2016				81				
9/14/2016						273		
9/15/2016			259					
10/25/2016								
10/26/2016	276						153	
10/27/2016		168			140			
10/31/2016				40				
11/1/2016						258		
11/2/2016			260					
1/5/2017								
1/6/2017							329	
1/9/2017	317	166						
1/11/2017			306					
1/12/2017				92				
1/13/2017					147 (J)			
1/25/2017						340		
2/9/2017								
3/14/2017								
3/15/2017	355						197	
3/16/2017		189						
3/20/2017			304		186			
3/22/2017						264		
3/23/2017				116				
5/16/2017								
5/17/2017								
5/18/2017	382	192					250	
5/19/2017								
5/23/2017			297	107	183			

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 3/28/2023 8:11 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-18	GWC-22R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/10/2022				86	162			
8/11/2022			306			586		
11/3/2022						573 (R)		
2/8/2023								245
2/9/2023				175	328			
2/10/2023			369			533		

FIGURE G.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

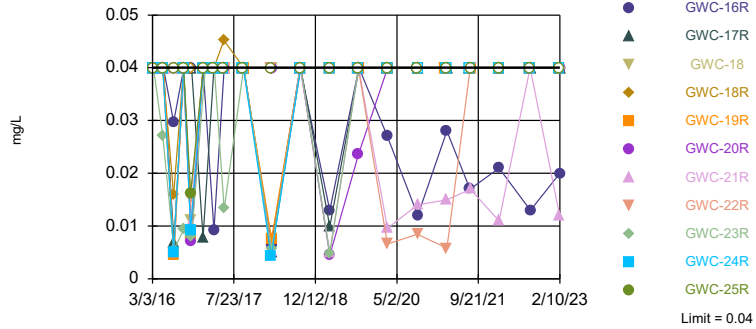
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/28/2023, 8:25 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	2/10/2023	0.02J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	2/9/2023	0.012J	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	2/10/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	2/9/2023	0.04ND	No	231	n/a	n/a	64.07	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	54.8	n/a	2/10/2023	84.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	2/10/2023	69.6	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	54.8	n/a	2/9/2023	26.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18R	54.8	n/a	2/9/2023	31.2	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19R	54.8	n/a	2/9/2023	33.7	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20R	54.8	n/a	2/10/2023	38.4	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	2/9/2023	68.2	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22R	54.8	n/a	2/9/2023	37	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	2/10/2023	68.7	Yes	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24R	54.8	n/a	2/9/2023	32.8	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25R	54.8	n/a	2/9/2023	35.6	No	231	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	2/10/2023	0.22	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	2/10/2023	0.057J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	2/9/2023	0.072J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	2/10/2023	0.054J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	2/9/2023	0.064J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	2/9/2023	0.052J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	2/10/2023	0.078J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	2/9/2023	0.053J	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	2/9/2023	0.1ND	No	231	n/a	n/a	58.87	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

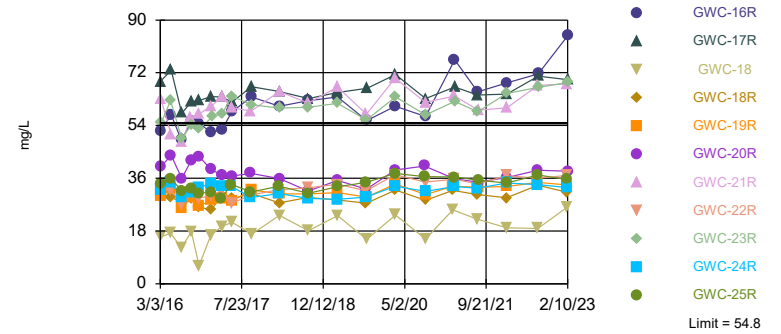


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 231 background values. 64.07% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Boron Analysis Run 3/28/2023 8:23 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-16R, GWC-17R, GWC-21R, GWC-23R

Prediction Limit
Interwell Non-parametric

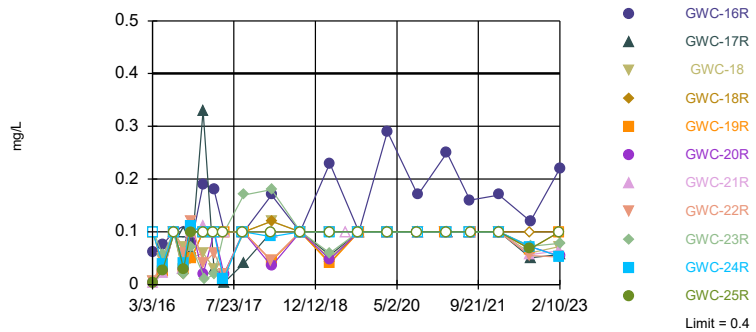


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 231 background values. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Calcium Analysis Run 3/28/2023 8:23 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 231 background values. 58.87% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Fluoride Analysis Run 3/28/2023 8:23 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
2/29/2016	<0.04								
3/1/2016		<0.04	<0.04	<0.04					
3/2/2016					<0.04	<0.04	<0.04	<0.04	<0.04
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		<0.04	<0.04						
5/3/2016				<0.04	<0.04	<0.04		<0.04	<0.04
5/4/2016	<0.04						<0.04		
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016		0.0059 (J)							
7/7/2016			0.0081 (J)		<0.04				
7/8/2016	0.009 (J)			0.0067 (J)			0.0046 (J)		<0.04
7/11/2016						0.0054 (J)		<0.04	
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.04	<0.04	0.0084 (J)				<0.04	
9/8/2016	<0.04				<0.04		0.0081 (J)		<0.04
9/9/2016						<0.04			
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		0.0077 (J)	0.0071 (J)	0.0089 (J)	<0.04				
10/26/2016	0.0077 (J)					0.0144 (J)	0.0088 (J)		0.0095 (J)
10/27/2016								0.0148 (J)	
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		0.0074 (J)	<0.04						
1/6/2017	0.0084 (J)			<0.04				<0.04	
1/9/2017						<0.04	<0.04		<0.04
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017					<0.04				
3/14/2017		0.0062 (J)		<0.04					
3/15/2017	<0.04		<0.04				<0.04		
3/16/2017						<0.04		<0.04	<0.04
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017					<0.04				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
5/16/2017		<0.04		<0.04					
5/17/2017	<0.04		<0.04		<0.04				
5/18/2017						<0.04	<0.04		
5/19/2017								<0.04	<0.04
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.04	<0.04	<0.04	<0.04		<0.04	<0.04		
9/18/2017									
9/19/2017					<0.04			<0.04	<0.04
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		0.0082 (J)	<0.04	0.004 (J)		0.0055 (J)			
3/13/2018	0.0084 (J)				<0.04		0.0053 (J)	<0.04	<0.04
3/14/2018									
9/6/2018	<0.04	<0.04	<0.04	<0.04	<0.04		<0.04		
9/7/2018						<0.04			
9/10/2018									
9/11/2018								<0.04	<0.04
3/6/2019			<0.04	<0.04					
3/7/2019	<0.04	0.0049 (J)			<0.04		<0.04		
3/8/2019						0.0056 (J)			<0.04
3/11/2019									
3/12/2019								<0.04	
9/4/2019	<0.04	<0.04	<0.04	<0.04	<0.04				
9/5/2019						<0.04	<0.04	<0.04	<0.04
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	0.007 (J)	0.014 (J)	0.01 (J)	0.0052 (J)	<0.04				
3/3/2020						0.01 (J)	0.0084 (J)		
3/4/2020								<0.04	0.0064 (J)
3/5/2020									
3/6/2020									
9/3/2020	<0.04		<0.04	<0.04	<0.04				
9/4/2020						0.0053 (J)			
9/8/2020							<0.04	<0.04	0.0072 (J)
9/9/2020									
9/14/2020		0.0065 (J)							
2/24/2021	0.0099 (J)		0.0062 (J)	<0.04	<0.04				
2/25/2021						0.0075 (J)	<0.04		
2/26/2021								<0.04	<0.04
3/9/2021									
3/10/2021									
3/26/2021		0.019 (J)							
7/27/2021	0.021 (J)	0.013 (J)					<0.04		
7/28/2021				<0.04	<0.04	<0.04			
7/29/2021								<0.04	<0.04
7/30/2021									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
8/2/2021									
8/5/2021									
8/6/2021			<0.04						
1/25/2022	<0.04				<0.04		<0.04		
1/26/2022		0.012 (J)		<0.04		<0.04		<0.04	<0.04
1/27/2022									
1/28/2022									
8/5/2022	<0.04				0.009 (J)		<0.04		
8/8/2022		0.018 (J)		<0.04		<0.04		<0.04	<0.04
8/9/2022									
8/10/2022									
8/11/2022									
2/8/2023		0.023 (J)		<0.04	<0.04				
2/9/2023									
2/10/2023									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	<0.04	<0.04	<0.04						
3/4/2016				<0.04	<0.04				
3/7/2016						<0.04	<0.04	<0.04	<0.04
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016			<0.04						
5/4/2016									
5/5/2016					<0.04	<0.04	<0.04		<0.04
5/6/2016									
5/9/2016		<0.04						<0.04	
5/10/2016	<0.04			<0.04					
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016		0.0128 (J)	0.0047 (J)						
7/12/2016					0.005 (J)				
7/13/2016	0.0297 (J)						0.0047 (J)		0.0159 (J)
7/14/2016				0.0069 (J)		0.0047 (J)		0.0045 (J)	
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016		0.0158 (J)	<0.04						
9/12/2016						<0.04		<0.04	<0.04
9/13/2016					<0.04		<0.04		
9/14/2016				<0.04					
9/15/2016	<0.04								
10/25/2016									
10/26/2016		0.0257 (J)							
10/27/2016			0.0108 (J)		0.0093 (J)	0.0153 (J)			
10/31/2016							0.0111 (J)	0.0086 (J)	
11/1/2016				<0.04					<0.04
11/2/2016	<0.04								
1/5/2017									
1/6/2017									
1/9/2017		0.0219 (J)	<0.04						
1/11/2017	<0.04			0.0078 (J)				<0.04	<0.04
1/12/2017							<0.04		
1/13/2017					<0.04	<0.04			
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017		0.0253 (J)							
3/16/2017			<0.04						
3/20/2017	0.0092 (J)				<0.04	<0.04			<0.04
3/21/2017				<0.04				<0.04	
3/22/2017									
3/23/2017							<0.04		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
5/16/2017									
5/17/2017									
5/18/2017		0.0249 (J)	<0.04						
5/19/2017					<0.04				
5/22/2017								<0.04	0.0452
5/23/2017	<0.04			<0.04		<0.04	<0.04		
5/24/2017									
7/19/2017									
9/15/2017		<0.04							
9/18/2017			<0.04						
9/19/2017					<0.04	<0.04			
9/20/2017								<0.04	
9/21/2017	<0.04								<0.04
9/22/2017				<0.04					
9/25/2017							<0.04		
3/12/2018			0.0041 (J)						
3/13/2018		0.024 (J)			0.0042 (J)	<0.04			
3/14/2018	0.0065 (J)			0.0051 (J)			<0.04	0.0076 (J)	<0.04
9/6/2018									
9/7/2018	<0.04	0.024 (J)	<0.04			<0.04			<0.04
9/10/2018								<0.04	
9/11/2018				<0.04	<0.04		<0.04		
3/6/2019									
3/7/2019		0.02 (J)	<0.04						
3/8/2019					<0.04				
3/11/2019	0.013 (J)					<0.04			
3/12/2019				0.0099 (J)			<0.04	<0.04	<0.04
9/4/2019		0.015 (J)							
9/5/2019			<0.04		<0.04	<0.04			
9/6/2019									<0.04
9/9/2019	<0.04						<0.04	<0.04	
9/10/2019				<0.04					
3/2/2020									
3/3/2020					<0.04	0.0066 (J)			
3/4/2020	0.027 (J)	0.022 (J)	0.0063 (J)					<0.04	
3/5/2020				<0.04					<0.04
3/6/2020							<0.04		
9/3/2020									
9/4/2020		0.015 (J)	<0.04						
9/8/2020						0.0084 (J)			
9/9/2020	0.012 (J)			<0.04	<0.04		<0.04	<0.04	<0.04
9/14/2020									
2/24/2021									
2/25/2021		0.017 (J)	0.0055 (J)						
2/26/2021							<0.04	<0.04	<0.04
3/9/2021	0.028 (J)				<0.04	0.0058 (J)			
3/10/2021				<0.04					
3/26/2021									
7/27/2021									
7/28/2021		0.016 (J)	<0.04						
7/29/2021					<0.04		<0.04		<0.04
7/30/2021	0.017 (J)			<0.04					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
8/2/2021						<0.04			
8/5/2021								<0.04	
8/6/2021									
1/25/2022									
1/26/2022		0.014 (J)							
1/27/2022			<0.04			<0.04		<0.04	<0.04
1/28/2022	0.021 (J)			<0.04	<0.04		<0.04		
8/5/2022		0.015 (J)							
8/8/2022			<0.04						
8/9/2022					<0.04			<0.04	
8/10/2022						<0.04	<0.04		<0.04
8/11/2022	0.013 (J)			<0.04					
2/8/2023									
2/9/2023					<0.04	<0.04	<0.04	<0.04	<0.04
2/10/2023	0.02 (J)			<0.04					

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016						
3/7/2016						
3/8/2016	<0.04	<0.04	<0.04			
3/9/2016				<0.04		
5/2/2016						
5/3/2016						
5/4/2016	<0.04				<0.04	
5/5/2016						
5/6/2016				0.0271 (J)		
5/9/2016		<0.04	<0.04			
5/10/2016						
7/6/2016						
7/7/2016					0.0096 (J)	
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016		<0.04				
7/15/2016			<0.04	0.0055 (J)		
7/18/2016	<0.04					
9/7/2016						
9/8/2016					0.0137 (J)	
9/9/2016			<0.04			
9/12/2016		<0.04				
9/13/2016	<0.04					
9/14/2016				0.0094 (J)		
9/15/2016						
10/25/2016						
10/26/2016					0.0247 (J)	
10/27/2016	0.0162 (J)		0.0103 (J)			
10/31/2016		0.007 (J)				
11/1/2016				0.008 (J)		
11/2/2016						
1/5/2017						
1/6/2017					0.0082 (J)	
1/9/2017						
1/11/2017						
1/12/2017		<0.04	<0.04			
1/13/2017	<0.04					
1/25/2017				<0.04		
2/9/2017						
3/14/2017						
3/15/2017					<0.04	
3/16/2017	<0.04					
3/20/2017						
3/21/2017			<0.04			
3/22/2017		<0.04		<0.04		
3/23/2017						

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017					0.0076 (J)	
5/19/2017	<0.04					
5/22/2017		<0.04				
5/23/2017			<0.04			
5/24/2017				0.0133 (J)		
7/19/2017					0.0193 (J)	
9/15/2017						
9/18/2017						
9/19/2017	<0.04	<0.04	<0.04		0.0132 (J)	
9/20/2017						
9/21/2017				<0.04		
9/22/2017						
9/25/2017						
3/12/2018						
3/13/2018	<0.04				0.013 (J)	
3/14/2018		<0.04	0.0053 (J)	0.0056 (J)		
9/6/2018						
9/7/2018					<0.04	
9/10/2018		<0.04	<0.04			
9/11/2018	<0.04			<0.04		
3/6/2019						
3/7/2019						
3/8/2019	<0.04				0.0085 (J)	
3/11/2019			0.005 (J)			
3/12/2019		0.0045 (J)		0.0047 (J)		
9/4/2019					0.01 (J)	
9/5/2019	<0.04					
9/6/2019		0.02365 (JD)	<0.04	<0.04		
9/9/2019						
9/10/2019						
3/2/2020						
3/3/2020	<0.04		0.0096 (J)		0.0096 (J)	
3/4/2020						
3/5/2020		<0.04		<0.04		
3/6/2020						
9/3/2020						
9/4/2020	<0.04	<0.04				
9/8/2020			0.014 (J)			
9/9/2020				<0.04	0.0054 (J)	
9/14/2020						
2/24/2021						
2/25/2021					0.0052 (J)	
2/26/2021						
3/9/2021	<0.04	<0.04	0.015 (J)			
3/10/2021				<0.04		
3/26/2021						
7/27/2021						
7/28/2021					<0.04	
7/29/2021						
7/30/2021				<0.04		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021	<0.04	<0.04	0.017 (J)			
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022					0.0088 (J)	
1/27/2022	<0.04	<0.04				
1/28/2022			0.011 (J)	<0.04		
8/5/2022						
8/8/2022						0.023 (J)
8/9/2022	<0.04	<0.04			<0.04	
8/10/2022			<0.04			
8/11/2022				<0.04		
2/8/2023						0.028 (J)
2/9/2023	<0.04		0.012 (J)			
2/10/2023		<0.04		<0.04		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36RA (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)
2/29/2016	30								
3/1/2016		32	20	0.98					
3/2/2016					2	38	27	29	29
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		30	19.6						
5/3/2016				1.12	2.68	48.7		31	31.2
5/4/2016	30						27.6		
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016		29.2							
7/7/2016			19.3		2.21				
7/8/2016	30.1			1			25.7		30
7/11/2016						34.8		28.2	
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		28.4	19.9	0.858				27.6	
9/8/2016	26.8				1.8		26.3		28.6
9/9/2016						32.1			
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		30.8	19.3	0.859	1.15				
10/26/2016	26.9					32.9	24		25.5
10/27/2016								26.5	
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		32.6	21						
1/6/2017	27.6			1				26	
1/9/2017						32.5	24.1		26.1
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017					0.495 (J)				
3/14/2017		29.1		0.844					
3/15/2017	26.2		13.4				24.1		
3/16/2017						30.8		26.6	26.7
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017					0.543				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	52	36	36						
3/4/2016				69	32				
3/7/2016						32	16	30	30
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016			39.1						
5/4/2016									
5/5/2016					34.6	32.2	17.2		29.6
5/6/2016									
5/9/2016		39						32.6	
5/10/2016	57.6			72.9					
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016		35.7	31.6						
7/12/2016					29.6				
7/13/2016	49						12.3		27.8
7/14/2016				58.2		26.8		25.6	
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016		32	29.8						
9/12/2016						31.1		29.6	29.1
9/13/2016					31.1		17.8		
9/14/2016				62.2					
9/15/2016	55.4								
10/25/2016									
10/26/2016		28.5							
10/27/2016			28.9		32.8	29.2			
10/31/2016							6.22	26.5	
11/1/2016				62.5					26.2
11/2/2016	54.8								
1/5/2017									
1/6/2017									
1/9/2017		27.5	27.9						
1/11/2017	51.6			63.9				28.5	25.2
1/12/2017							16.6		
1/13/2017					34	30			
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017		24.8							
3/16/2017			28.2						
3/20/2017	52.5				33.4	32			29.9
3/21/2017				63.8				29.1	
3/22/2017									
3/23/2017							19.6		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
5/16/2017									
5/17/2017									
5/18/2017		26.9	31.3						
5/19/2017					33.2				
5/22/2017								28.2	28.9
5/23/2017	58.7			62		27.5	21		
5/24/2017									
7/19/2017									
9/15/2017		19.6							
9/18/2017			29.7						
9/19/2017					29.5	30.3			
9/20/2017								32.1	
9/21/2017	63.8								30.8
9/22/2017				67.2					
9/25/2017							17		
3/12/2018			38.2						
3/13/2018		26			30.8	32.1			
3/14/2018	60.6			65.6			23.4 (J)	30.7	27.6
9/6/2018									
9/7/2018	62.4	25.1	40.3			32.7			29.5
9/10/2018								30.7	
9/11/2018				63.2	29.1		18.1 (J)		
3/6/2019									
3/7/2019		33.3	40.4						
3/8/2019					28.8				
3/11/2019	63.8					33.9			
3/12/2019				65.3			23.2 (J)	31.1	28.6
9/4/2019		31.6							
9/5/2019			34.6		29.6 (D)	31.8			
9/6/2019									27.5
9/9/2019	55.7						15.2	29.6	
9/10/2019				66.7					
3/2/2020									
3/3/2020					33.3	37.2			
3/4/2020	60.6	38	39.9					34	
3/5/2020				71.4					32
3/6/2020							23.5		
9/3/2020									
9/4/2020		34.5	34.4						
9/8/2020						34.7			
9/9/2020	57.1			63.2	31.5		15.3	30.5	28.5
9/14/2020									
2/24/2021									
2/25/2021		36	44.8						
2/26/2021							25.2	33.3	31.9
3/9/2021	76.4				33.2	35.7			
3/10/2021				67.1					
3/26/2021									
7/27/2021									
7/28/2021		35.1	44.9						
7/29/2021					32.6		22		30.5
7/30/2021	65.5			64.4					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-17R	GWC-24R	GWC-22R	GWC-18	GWC-19R	GWC-18R
8/2/2021						34.1			
8/5/2021								33	
8/6/2021									
1/25/2022									
1/26/2022		37.6							
1/27/2022			44.4			36.9		33.2	29.3
1/28/2022	68.5			64.7	34.4		19.1		
8/5/2022		38							
8/8/2022			47						
8/9/2022					33.8			34.6	
8/10/2022						36	18.9		33.6
8/11/2022	71.6			70.8					
2/8/2023									
2/9/2023					32.8	37	26.2	33.7	31.2
2/10/2023	84.6			69.6					

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016						
3/7/2016						
3/8/2016	34	40	63			
3/9/2016				55		
5/2/2016						
5/3/2016						
5/4/2016	36				43.4	
5/5/2016						
5/6/2016				62.4		
5/9/2016		43.8	50.8			
5/10/2016						
7/6/2016						
7/7/2016					40.1	
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016		36				
7/15/2016			48.2	49.5		
7/18/2016	31.7					
9/7/2016						
9/8/2016					37.1	
9/9/2016			56.9			
9/12/2016		42.1				
9/13/2016	32.5					
9/14/2016				54.4		
9/15/2016						
10/25/2016						
10/26/2016					38.8	
10/27/2016	30.9		57.9			
10/31/2016		43.4				
11/1/2016				52.8		
11/2/2016						
1/5/2017						
1/6/2017					39.6	
1/9/2017						
1/11/2017						
1/12/2017		39.1	60.5			
1/13/2017	31.2					
1/25/2017				57.2		
2/9/2017						
3/14/2017						
3/15/2017					36.1	
3/16/2017	29					
3/20/2017						
3/21/2017			63.7			
3/22/2017		37		58.1		
3/23/2017						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017					40.1	
5/19/2017	33.9					
5/22/2017		36.8				
5/23/2017			60			
5/24/2017				64		
7/19/2017					46.9	
9/15/2017						
9/18/2017						
9/19/2017	31.3	37.7	58.9		47.7	
9/20/2017						
9/21/2017				61.1		
9/22/2017						
9/25/2017						
3/12/2018						
3/13/2018	33.3				46.1	
3/14/2018		35.9	65.6	59.9		
9/6/2018						
9/7/2018					44.2	
9/10/2018		31.6	61.7			
9/11/2018	30.9			60.2		
3/6/2019						
3/7/2019						
3/8/2019	33.1				46.6	
3/11/2019			67.1			
3/12/2019		35.2		61.6		
9/4/2019					40.7	
9/5/2019	34.6					
9/6/2019		32.35 (D)	57.8	55.9		
9/9/2019						
9/10/2019						
3/2/2020						
3/3/2020	37.6		70.2		47.6	
3/4/2020						
3/5/2020		38.9		63.7		
3/6/2020						
9/3/2020						
9/4/2020	36.6	40.2				
9/8/2020			61.9			
9/9/2020				57.6	44.1	
9/14/2020						
2/24/2021						
2/25/2021					49.8	
2/26/2021						
3/9/2021	36.4	35.8	64.1			
3/10/2021				62.2		
3/26/2021						
7/27/2021						
7/28/2021					47.1	
7/29/2021						
7/30/2021				58.7		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-20R	GWC-21R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021	35.4	34.7	59.3			
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022					50.5	
1/27/2022	34.4	36.2				
1/28/2022			60	64.9		
8/5/2022						
8/8/2022						53.1
8/9/2022	37.1	38.7			46.1	
8/10/2022			67.7			
8/11/2022				67		
2/8/2023						51.6
2/9/2023	35.6		68.2			
2/10/2023		38.4		68.7		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
2/29/2016	0.0375 (J)								
3/1/2016		0.0153 (J)	0.0172 (J)	0.0215 (J)					
3/2/2016					0.0427 (J)	0.0238 (J)	0.0202 (J)	0.0121 (J)	0.0293 (J)
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		0.018 (J)	0.018 (J)						
5/3/2016				0.023 (J)		0.027 (J)	0.025 (J)	0.013 (J)	0.049 (J)
5/4/2016	0.04 (J)				0.048 (J)				
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016			0.02 (J)						
7/7/2016		<0.1						<0.1	
7/8/2016	0.11 (J)			0.02 (J)	0.12 (J)		0.09 (J)		
7/11/2016						<0.1			<0.1
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.1	<0.1	<0.1		<0.1			
9/8/2016	<0.1				<0.1		<0.1	<0.1	
9/9/2016									0.05 (J)
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		<0.1	0.03 (J)	0.04 (J)				0.03 (J)	
10/26/2016	0.04 (J)				0.11 (J)		0.04 (J)		0.08 (J)
10/27/2016						0.1 (J)			
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		<0.1	0.03 (J)						
1/6/2017	0.04 (J)			<0.1		0.02 (J)			
1/9/2017					0.04 (J)		0.02 (J)		0.05 (J)
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017								<0.1	
3/14/2017			<0.1	<0.1					
3/15/2017	<0.1	<0.1			0.009 (J)				
3/16/2017						0.04 (J)	<0.1		0.07 (J)
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017								<0.1	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
5/16/2017			<0.1	<0.1					
5/17/2017	0.01 (J)	<0.1						<0.1	
5/18/2017					0.02 (J)				<0.1
5/19/2017						0.004 (J)	<0.1		
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.1	<0.1	<0.1	<0.1	0.03 (J)				<0.1
9/18/2017									
9/19/2017						<0.1	<0.1	<0.1	
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.1	<0.1	<0.1					<0.1
3/13/2018	0.084 (J)				0.054 (J)	0.032 (J)	<0.1	<0.1	
3/14/2018									
9/6/2018	<0.1	<0.1	<0.1	<0.1	<0.1			<0.1	
9/7/2018									<0.1
9/10/2018									
9/11/2018						<0.1	<0.1		
3/6/2019		<0.1		<0.1					
3/7/2019	<0.1		<0.1		<0.1			<0.1	
3/8/2019							<0.1		<0.1
3/11/2019									
3/12/2019						0.046 (J)			
6/18/2019									
9/4/2019	<0.1	<0.1	<0.1	<0.1				<0.1	
9/5/2019					<0.1	<0.1	<0.1		<0.1
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	<0.1	<0.1	<0.1	<0.1				<0.1	
3/3/2020					<0.1				<0.1
3/4/2020						<0.1	<0.1		
3/5/2020									
3/6/2020									
9/3/2020	<0.1	<0.1		<0.1				<0.1	
9/4/2020									<0.1
9/8/2020					<0.1	<0.1	<0.1		
9/9/2020									
9/14/2020			<0.1						
2/24/2021	<0.1	<0.1		<0.1				<0.1	
2/25/2021					<0.1				<0.1
2/26/2021						<0.1	<0.1		
3/9/2021									
3/10/2021									
3/26/2021			<0.1						
7/27/2021	<0.1		<0.1		<0.1				
7/28/2021				<0.1				<0.1	<0.1
7/29/2021						<0.1	<0.1		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)	GWA-55 (bg)
7/30/2021									
8/2/2021									
8/5/2021									
8/6/2021		<0.1							
1/25/2022	<0.1				<0.1			<0.1	
1/26/2022			<0.1	<0.1		<0.1	<0.1		<0.1
1/27/2022									
1/28/2022									
8/5/2022	0.065 (J)				0.073 (J)			<0.1	
8/8/2022			0.062 (J)	0.061 (J)		0.066 (J)	0.067 (J)		0.078 (J)
8/9/2022									
8/10/2022									
8/11/2022									
2/8/2023			<0.1	<0.1				<0.1	
2/9/2023									
2/10/2023									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R	GWC-25R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	0.06259 (JD)	0.1143 (J)	0.0392 (J)						
3/4/2016				<0.1					
3/7/2016					0.00623 (J)	0.00526 (J)	0.00232 (J)	<0.1	
3/8/2016									0.00246 (J)
3/9/2016									
5/2/2016									
5/3/2016			0.058 (J)						
5/4/2016									0.027 (J)
5/5/2016				0.039 (J)	0.045 (J)	0.049 (J)	0.025 (J)		
5/6/2016									
5/9/2016		0.0383 (J)						0.0246 (J)	
5/10/2016	0.0767 (J)								
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016		<0.1	<0.1						
7/12/2016				<0.1					
7/13/2016	<0.1				<0.1		<0.1		
7/14/2016						<0.1		<0.1	
7/15/2016									
7/18/2016									<0.1
9/7/2016									
9/8/2016									
9/9/2016		0.1 (J)	0.02 (J)						
9/12/2016						0.06 (J)	0.02 (J)	0.03 (J)	
9/13/2016				0.04 (J)	0.07 (J)				0.03 (J)
9/14/2016									
9/15/2016	<0.1								
10/25/2016									
10/26/2016		0.2 (J)							
10/27/2016			0.12 (J)	0.11 (J)		0.12 (J)			0.1 (J)
10/31/2016					0.05 (J)			0.05 (J)	
11/1/2016							0.05 (J)		
11/2/2016	0.08 (J)								
1/5/2017									
1/6/2017									
1/9/2017		0.26 (J)	0.06 (J)						
1/11/2017	0.19 (J)						<0.1	<0.1	
1/12/2017					0.06 (J)				
1/13/2017				<0.1		0.04 (J)			<0.1
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017		0.19 (J)							
3/16/2017			0.08 (J)						<0.1
3/20/2017	0.18 (J)			<0.1		0.06 (J)	<0.1		
3/21/2017								<0.1	
3/22/2017									
3/23/2017					0.03 (J)				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R	GWC-25R
5/16/2017									
5/17/2017									
5/18/2017		0.19 (J)	0.04 (J)						
5/19/2017				0.01 (J)					<0.1
5/22/2017							<0.1	<0.1	
5/23/2017	0.1 (J)				0.02 (J)	0.02 (J)			
5/24/2017									
7/19/2017									
9/15/2017		0.24 (J)							
9/18/2017			<0.1						
9/19/2017				<0.1		<0.1			<0.1
9/20/2017								<0.1	
9/21/2017	<0.1						<0.1		
9/22/2017									
9/25/2017					0.1 (J)				
3/12/2018			<0.1						
3/13/2018		0.4		0.091 (J)		0.046 (J)			<0.1
3/14/2018	0.17 (J)				0.12 (J)		0.12 (J)	0.045 (J)	
9/6/2018									
9/7/2018	<0.1	0.14 (J)	<0.1			<0.1	<0.1		
9/10/2018								<0.1	
9/11/2018				<0.1	<0.1				<0.1
3/6/2019									
3/7/2019		0.089 (J)	<0.1						
3/8/2019				<0.1					<0.1
3/11/2019	0.23 (J)					<0.1			
3/12/2019					0.05 (J)		0.042 (J)	0.04 (J)	
6/18/2019									
9/4/2019		0.11 (J)							
9/5/2019			<0.1	<0.1		<0.1			<0.1
9/6/2019							<0.1		
9/9/2019	<0.1				<0.1			<0.1	
9/10/2019									
3/2/2020									
3/3/2020				<0.1		<0.1			<0.1
3/4/2020	0.29 (J)	0.086 (J)	<0.1					<0.1	
3/5/2020							<0.1		
3/6/2020					<0.1				
9/3/2020									
9/4/2020		0.086 (J)	<0.1						<0.1
9/8/2020						<0.1			
9/9/2020	0.17 (J)			<0.1	<0.1		<0.1	<0.1	
9/14/2020									
2/24/2021									
2/25/2021		0.097 (J)	<0.1						
2/26/2021					<0.1		<0.1	<0.1	
3/9/2021	0.25			<0.1		<0.1			<0.1
3/10/2021									
3/26/2021									
7/27/2021									
7/28/2021		0.091 (J)	<0.1						
7/29/2021				<0.1	<0.1		<0.1		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWA-56 (bg)	GWA-55R (bg)	GWC-24R	GWC-18	GWC-22R	GWC-18R	GWC-19R	GWC-25R
7/30/2021	0.16								
8/2/2021						<0.1			<0.1
8/5/2021								<0.1	
8/6/2021									
1/25/2022									
1/26/2022		0.076 (J)							
1/27/2022			<0.1			<0.1	<0.1	<0.1	<0.1
1/28/2022	0.17			<0.1	<0.1				
8/5/2022		0.094 (J)							
8/8/2022			0.07 (J)						
8/9/2022				0.072 (J)				0.067 (J)	0.068 (J)
8/10/2022					0.06 (J)	0.055 (J)	<0.1		
8/11/2022	0.12								
2/8/2023									
2/9/2023				0.053 (J)	0.072 (J)	0.052 (J)	<0.1	<0.1	<0.1
2/10/2023	0.22								

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016					2.1421 (O)	
3/7/2016						
3/8/2016	0.00287 (J)	0.00425 (J)				
3/9/2016			<0.1			
5/2/2016						
5/3/2016						
5/4/2016				0.057 (JD)		
5/5/2016						
5/6/2016			0.056 (J)			
5/9/2016	0.0222 (J)	0.0259 (J)				
5/10/2016					0.0258 (J)	
7/6/2016						
7/7/2016				0.09 (JD)		
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016		<0.1			<0.1	
7/15/2016	<0.1		<0.1			
7/18/2016						
9/7/2016						
9/8/2016				0.03 (JD)		
9/9/2016	0.03 (J)					
9/12/2016		0.03 (J)				
9/13/2016						
9/14/2016			0.02 (J)		<0.1	
9/15/2016						
10/25/2016						
10/26/2016				0.15 (JD)		
10/27/2016	0.1 (J)					
10/31/2016		0.11 (J)				
11/1/2016			0.07 (J)		0.06 (J)	
11/2/2016						
1/5/2017						
1/6/2017				0.11 (JD)		
1/9/2017						
1/11/2017					0.33	
1/12/2017	0.11 (J)	0.02 (J)				
1/13/2017						
1/25/2017			0.01 (J)			
2/9/2017						
3/14/2017						
3/15/2017				0.004 (JD)		
3/16/2017						
3/20/2017						
3/21/2017	<0.1				0.03 (J)	
3/22/2017		0.1 (J)	0.02 (J)			
3/23/2017						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017				0.007 (JD)		
5/19/2017						
5/22/2017		0.02 (J)				
5/23/2017	<0.1				0.004 (J)	
5/24/2017			<0.1			
7/19/2017				0.12 (JD)		
9/15/2017						
9/18/2017						
9/19/2017	<0.1	<0.1		0.07 (JD)		
9/20/2017						
9/21/2017			0.17 (J)			
9/22/2017					0.04 (J)	
9/25/2017						
3/12/2018						
3/13/2018				0.16 (J)		
3/14/2018	<0.1	0.035 (J)	0.18 (J)		<0.1	
9/6/2018						
9/7/2018				<0.1		
9/10/2018	<0.1	<0.1				
9/11/2018			<0.1		<0.1	
3/6/2019						
3/7/2019						
3/8/2019				0.075 (J)		
3/11/2019	0.51 (o)					
3/12/2019		0.048 (J)	0.06 (J)		0.056 (J)	
6/18/2019	<0.1					
9/4/2019				<0.1		
9/5/2019						
9/6/2019	<0.1	<0.1	<0.1			
9/9/2019						
9/10/2019					<0.1	
3/2/2020						
3/3/2020	<0.1			<0.1		
3/4/2020						
3/5/2020		<0.1	<0.1		<0.1	
3/6/2020						
9/3/2020						
9/4/2020		<0.1				
9/8/2020	<0.1					
9/9/2020			<0.1	<0.1	<0.1	
9/14/2020						
2/24/2021						
2/25/2021				<0.1		
2/26/2021						
3/9/2021	<0.1	<0.1				
3/10/2021			<0.1		<0.1	
3/26/2021						
7/27/2021						
7/28/2021				<0.1		
7/29/2021						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 3/28/2023 8:25 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-20R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
7/30/2021			<0.1		<0.1	
8/2/2021	<0.1	<0.1				
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022				<0.1		
1/27/2022		<0.1				
1/28/2022	<0.1		<0.1		<0.1	
8/5/2022						
8/8/2022						0.063 (J)
8/9/2022		0.072 (J)		0.072 (J)		
8/10/2022	0.057 (J)					
8/11/2022			0.073 (J)		0.051 (J)	
2/8/2023						<0.1
2/9/2023	0.064 (J)					
2/10/2023		0.054 (J)	0.078 (J)		0.057 (J)	

FIGURE H.

Appendix III Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

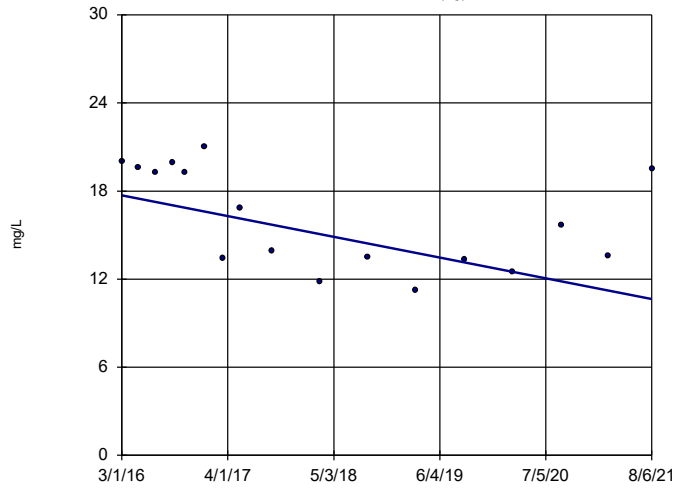
Appendix III Trend Tests - Prediction Limit Exceedances - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 3/24/2023, 1:56 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.299	-55	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36RA (bg)	1.227	57	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.0347	-156	-81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.05892	-24	-81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.3552	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	0.2237	38	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.4349	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2535	-50	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	0.6697	25	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	3.247	122	81	Yes	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.6242	49	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.452	81	81	No	20	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.692	96	81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.0552	-93	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1087	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-38 (bg)	-0.07368	-66	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-51RZ (bg)	-0.01096	-9	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-52 (bg)	-0.02658	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53 (bg)	-0.02035	-69	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53R (bg)	-0.02694	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55 (bg)	-0.05556	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55R (bg)	-0.07241	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-56 (bg)	-0.03349	-38	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-18R	-0.01884	-58	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-19R	-0.002892	-18	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-20R	0.01457	25	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36RA (bg)	1.049	78	81	No	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	0.01014	27	81	No	20	35	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.1645	-74	-81	No	20	5	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	0.4686	24	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	2.654	49	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.646	62	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	-5.801	-45	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-21R	1.831	127	74	Yes	19	5.263	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-23R	11.56	108	92	Yes	22	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-5.809	-41	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36RA (bg)	7.978	57	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	-4	-68	No	18	33.33	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	-1.591	-64	-81	No	20	25	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	0.9489	9	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	1.996	24	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	3.456	36	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	0.8352	15	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	-1.665	-24	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	-2.005	-7	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-16R	7.776	75	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-18	4.699	39	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-22R	2.066	40	81	No	20	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	26.61	139	92	Yes	22	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-36 (bg)

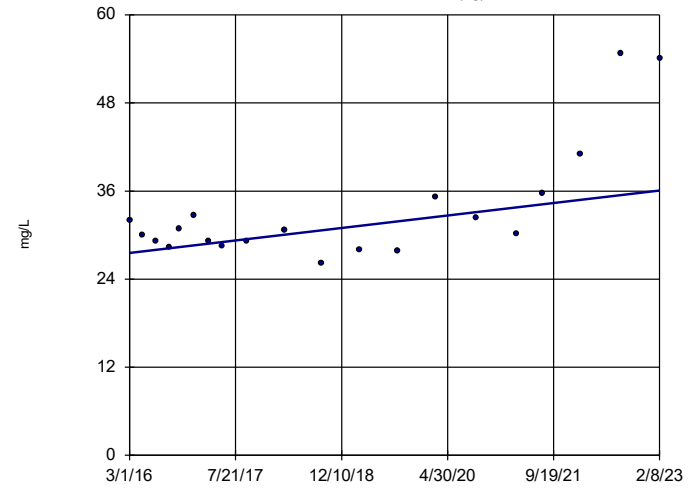


n = 17
 Slope = -1.299
 units per year.
 Mann-Kendall
 statistic = -55
 critical = -63
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

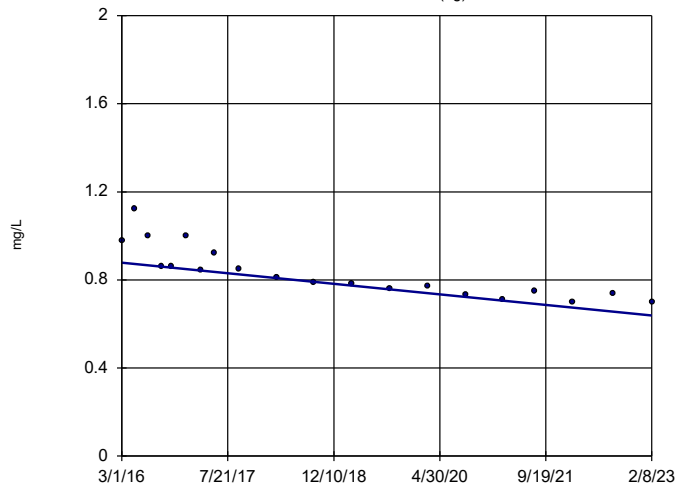


n = 20
 Slope = 1.227
 units per year.
 Mann-Kendall
 statistic = 57
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

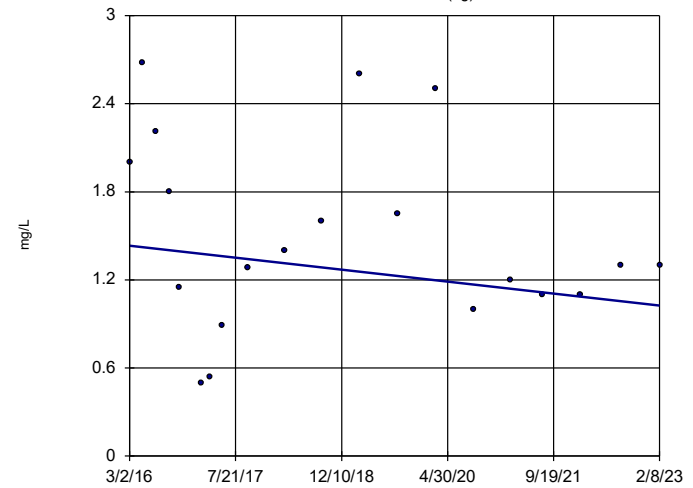


n = 20
 Slope = -0.0347
 units per year.
 Mann-Kendall
 statistic = -156
 critical = -81
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

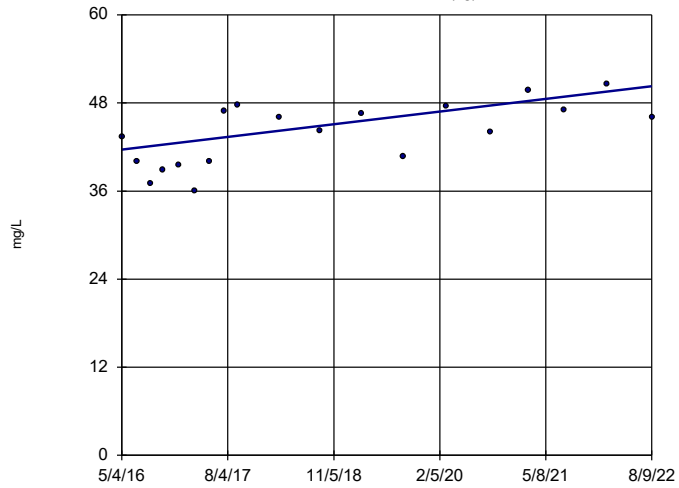


n = 20
 Slope = -0.05892
 units per year.
 Mann-Kendall
 statistic = -24
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

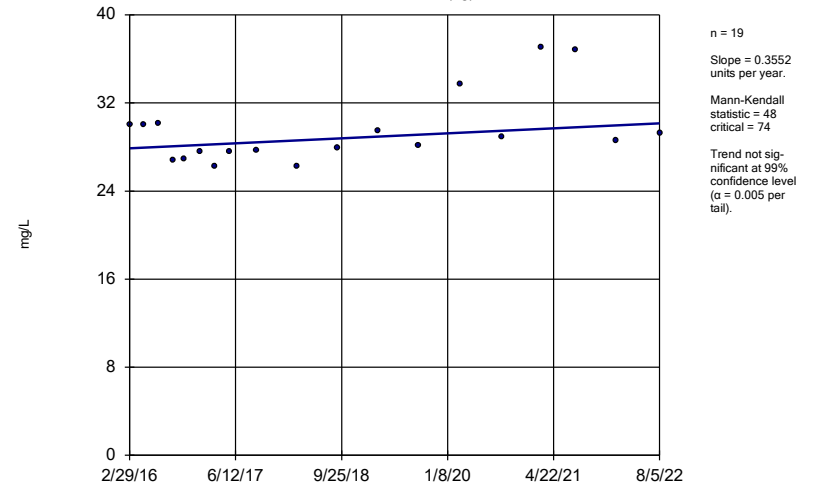
GWA-51RZ (bg)



Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

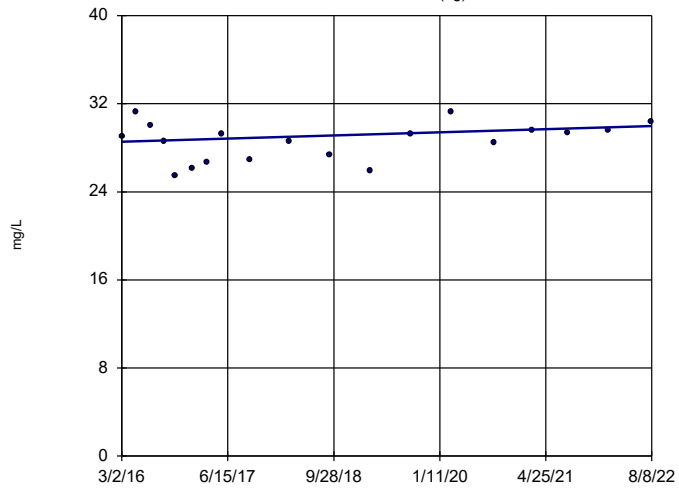
GWA-52 (bg)



Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

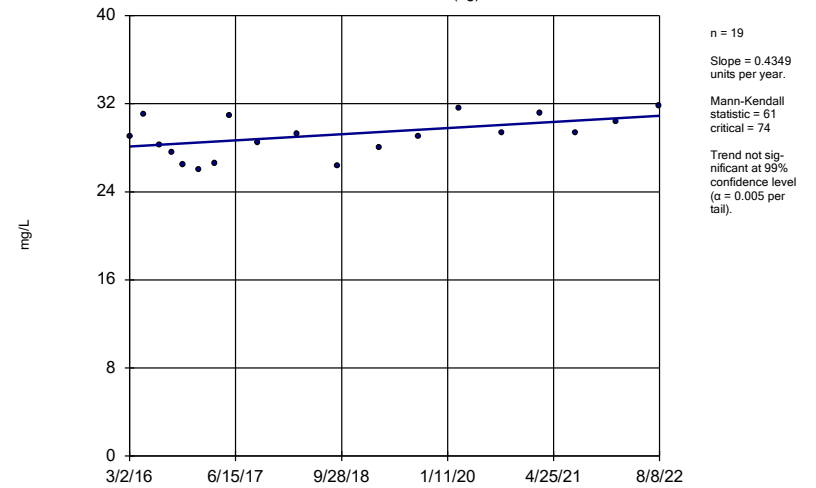
GWA-53 (bg)



Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

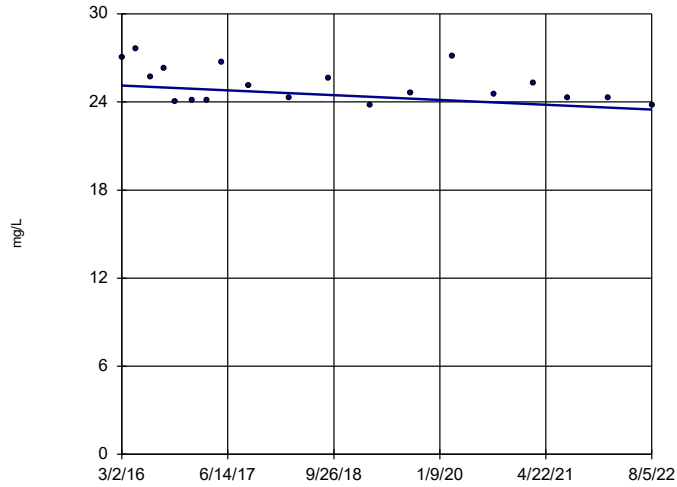
GWA-53R (bg)



Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

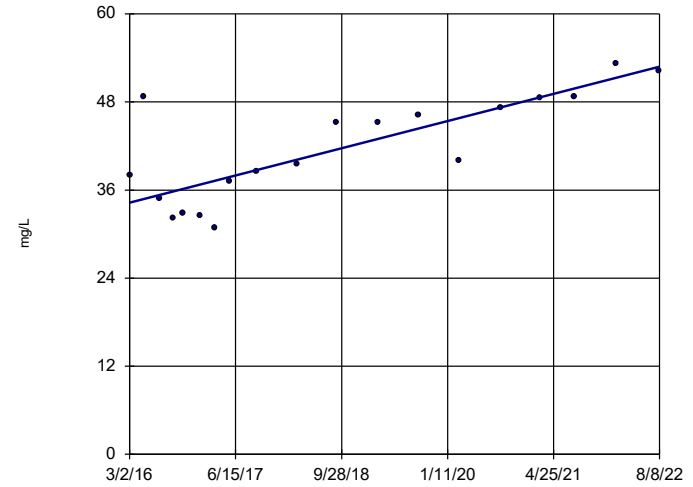


n = 19
 Slope = -0.2535 units per year.
 Mann-Kendall statistic = -50
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

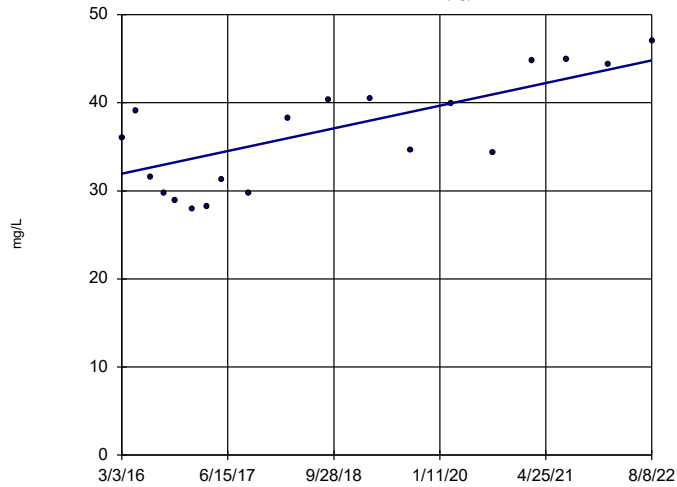


n = 19
 Slope = 2.879 units per year.
 Mann-Kendall statistic = 106
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

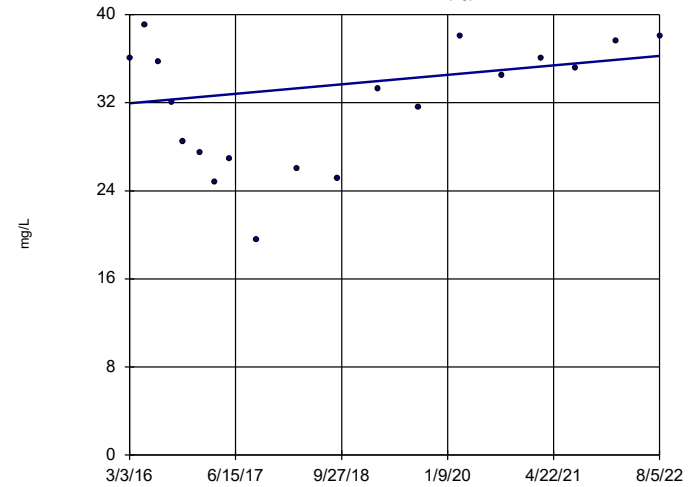


n = 19
 Slope = 1.995 units per year.
 Mann-Kendall statistic = 83
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

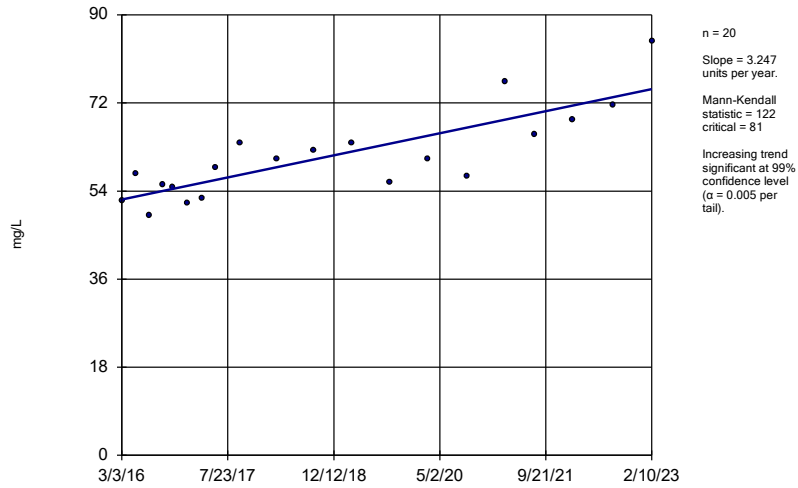


n = 19
 Slope = 0.6697 units per year.
 Mann-Kendall statistic = 25
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 3/24/2023 1:53 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

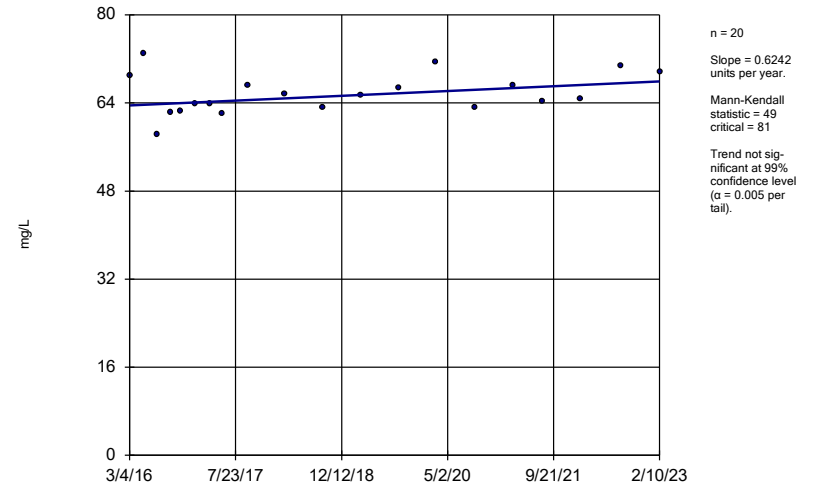
GWC-16R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

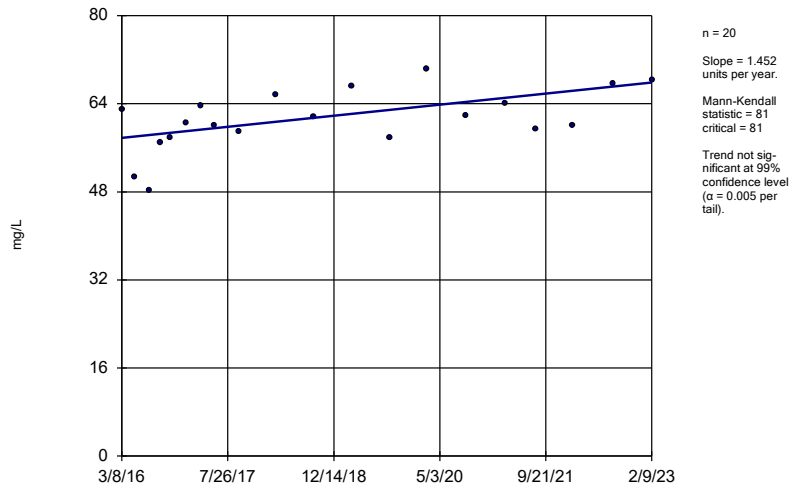
GWC-17R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

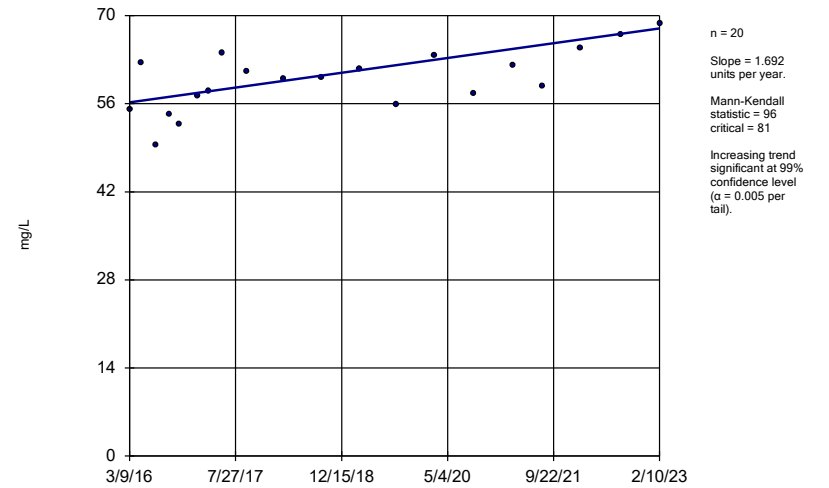
GWC-21R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

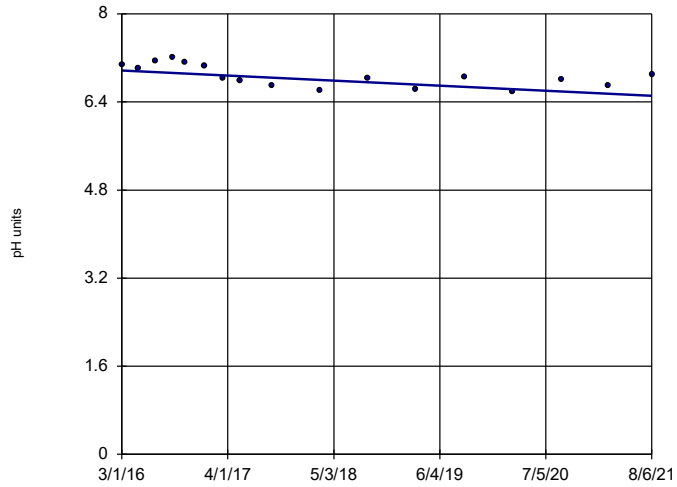
GWC-23R



Constituent: Calcium Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

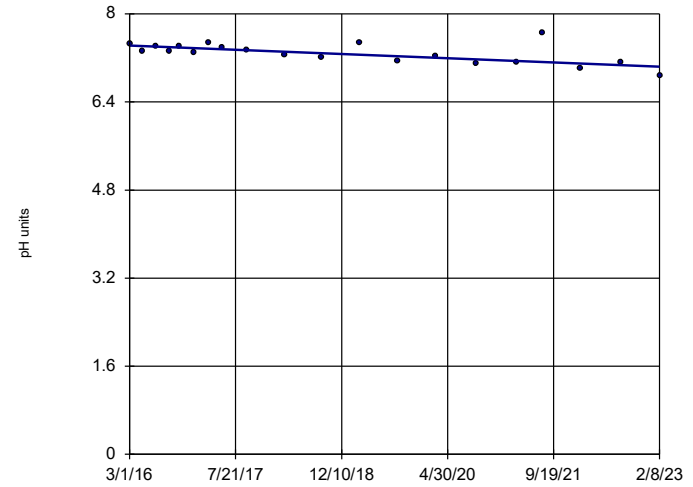
GWA-36 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

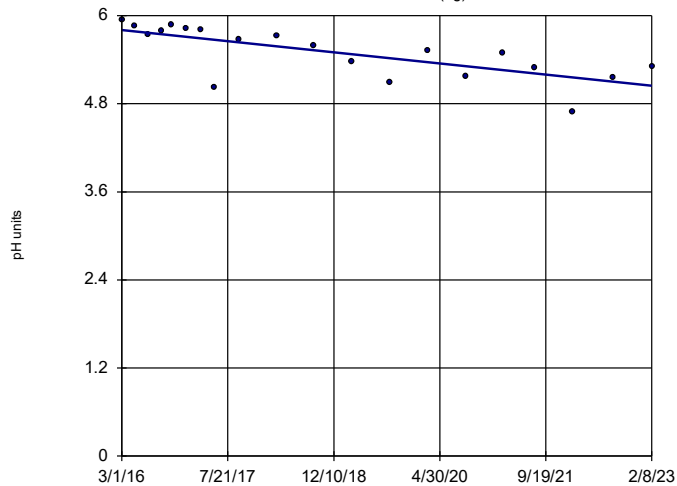
GWA-36RA (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

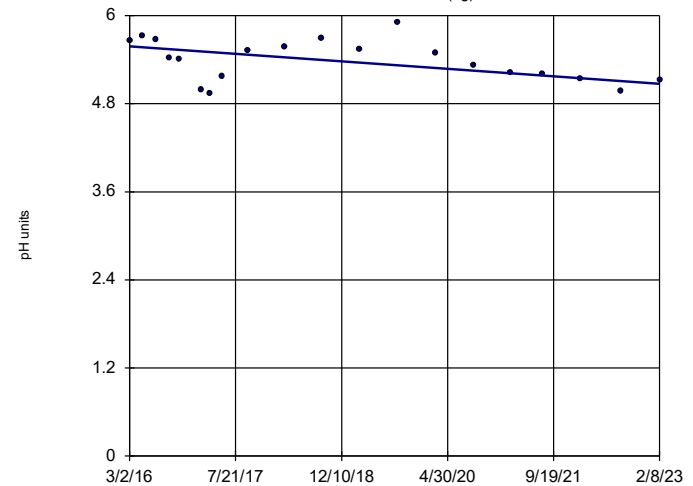
GWA-37 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

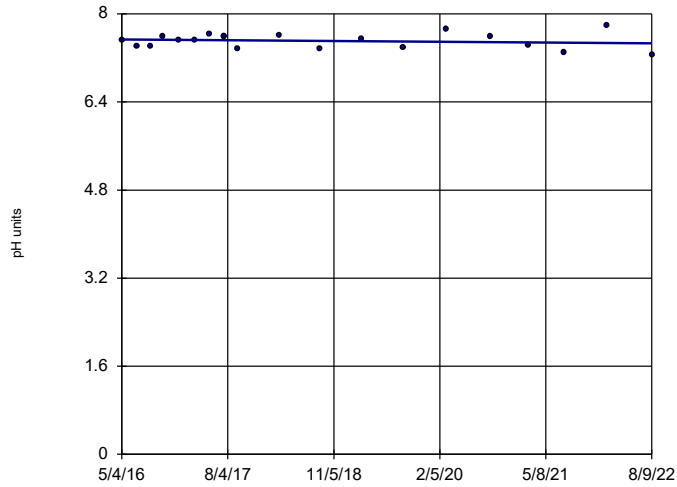
GWA-38 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

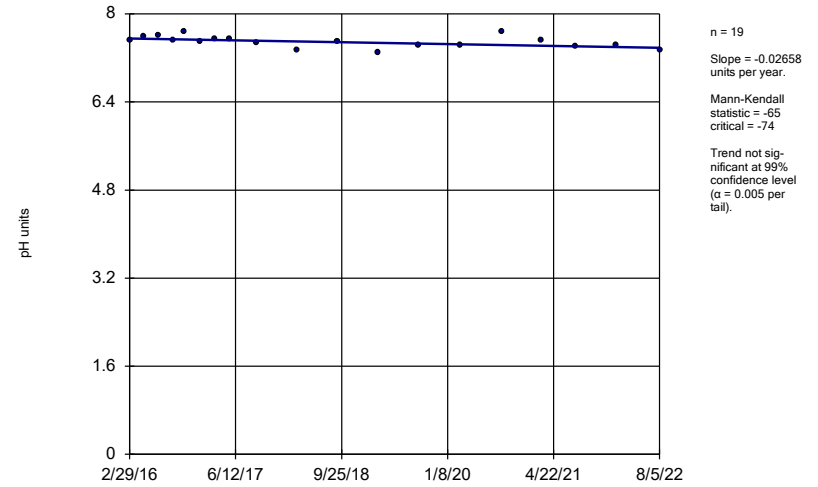
GWA-51RZ (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

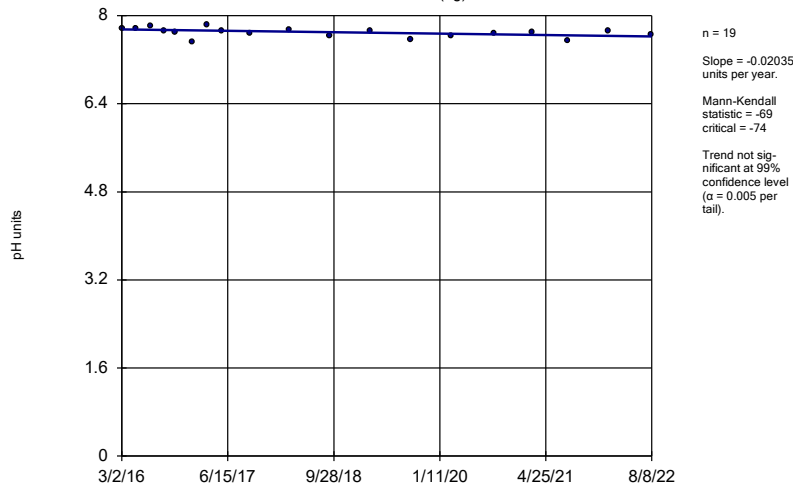
GWA-52 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

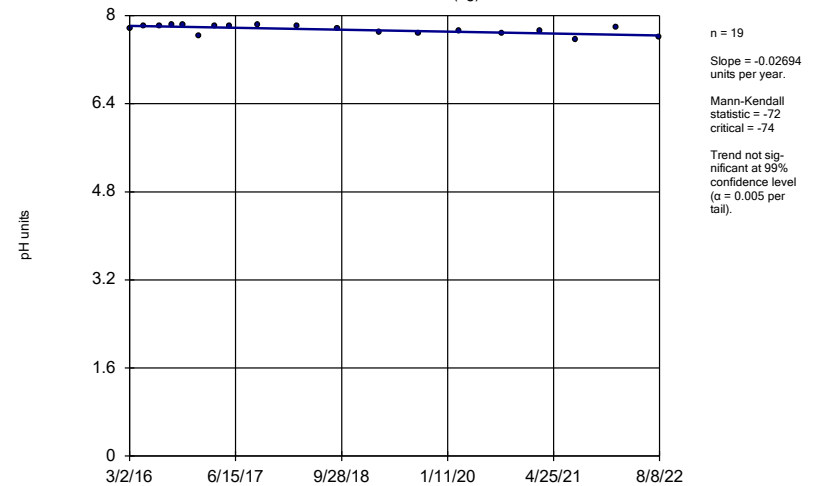
GWA-53 (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

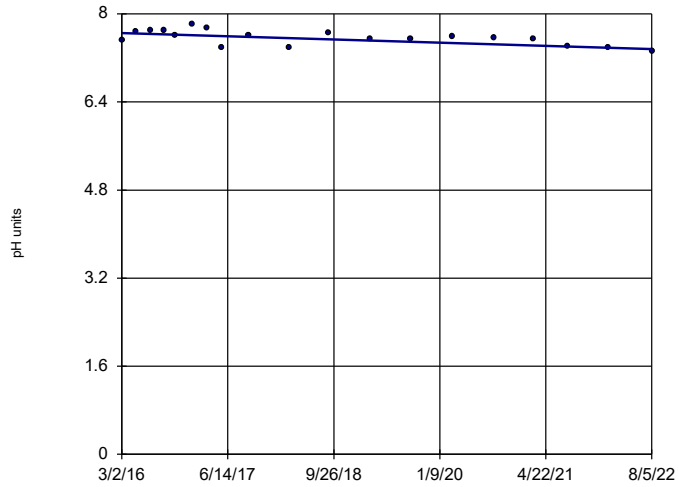
GWA-53R (bg)



Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

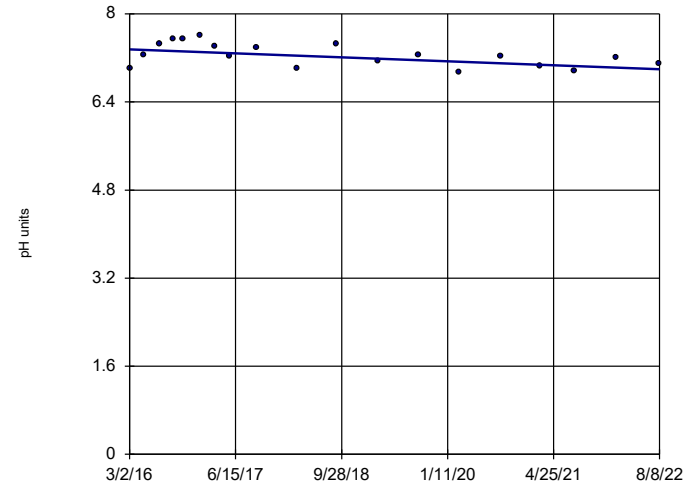


n = 19
 Slope = -0.04576 units per year.
 Mann-Kendall statistic = -75
 critical = -74
 Decreasing trend significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

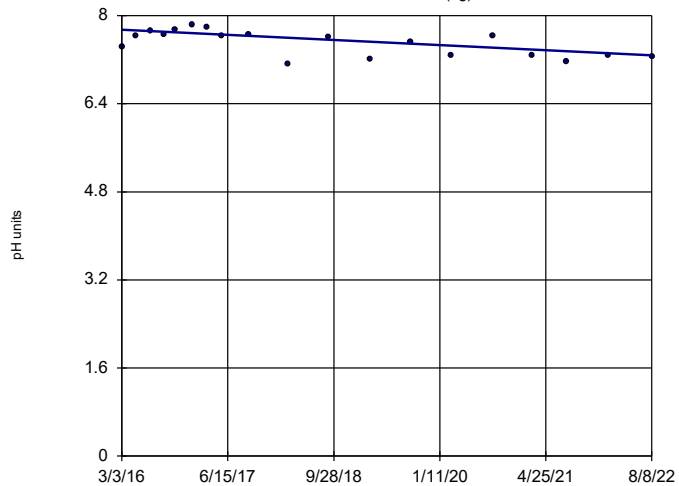


n = 19
 Slope = -0.05556 units per year.
 Mann-Kendall statistic = -65
 critical = -74
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

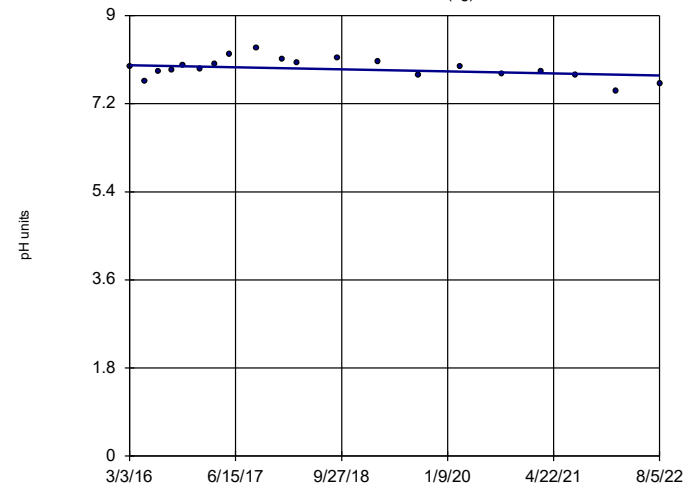


n = 19
 Slope = -0.07241 units per year.
 Mann-Kendall statistic = -72
 critical = -74
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

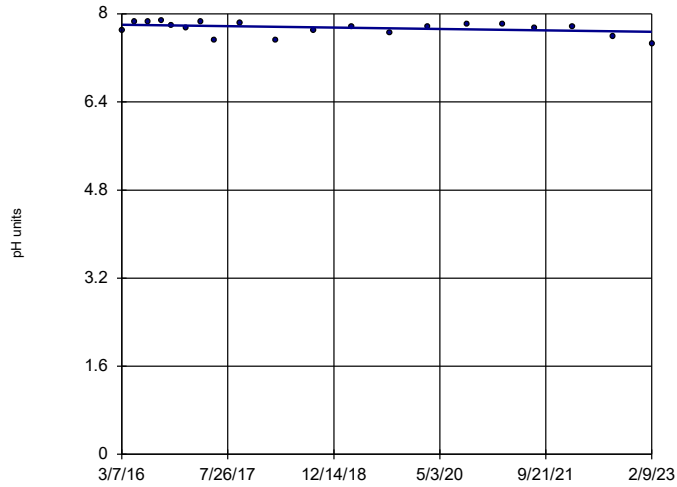


n = 20
 Slope = -0.03349 units per year.
 Mann-Kendall statistic = -38
 critical = -81
 Trend not significant at 99% confidence level ($\alpha = 0.005$ per tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-18R

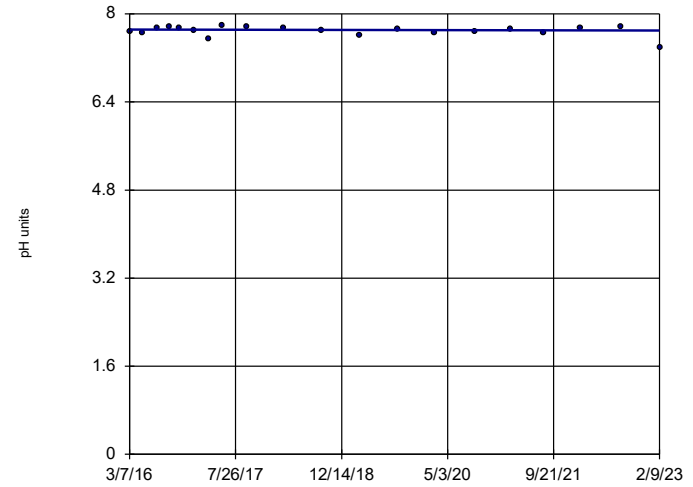


n = 20
 Slope = -0.01884
 units per year.
 Mann-Kendall
 statistic = -58
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-19R

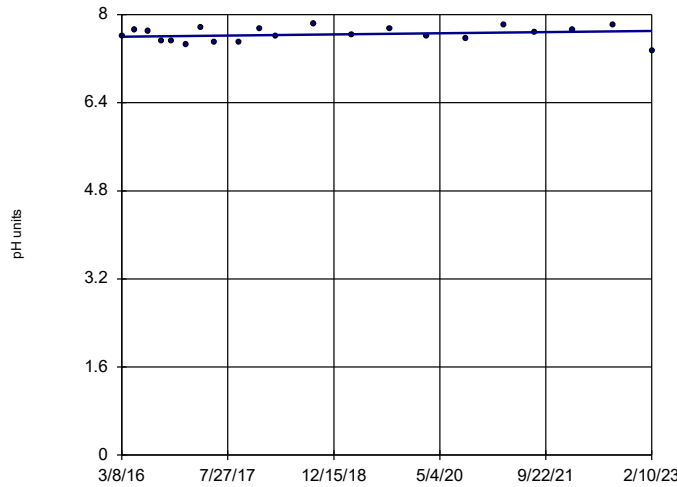


n = 20
 Slope = -0.002892
 units per year.
 Mann-Kendall
 statistic = -18
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-20R

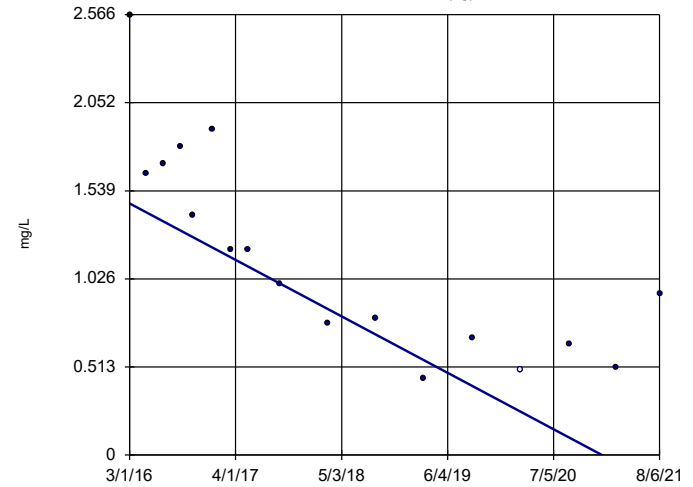


n = 21
 Slope = 0.01457
 units per year.
 Mann-Kendall
 statistic = 25
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: pH Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36 (bg)

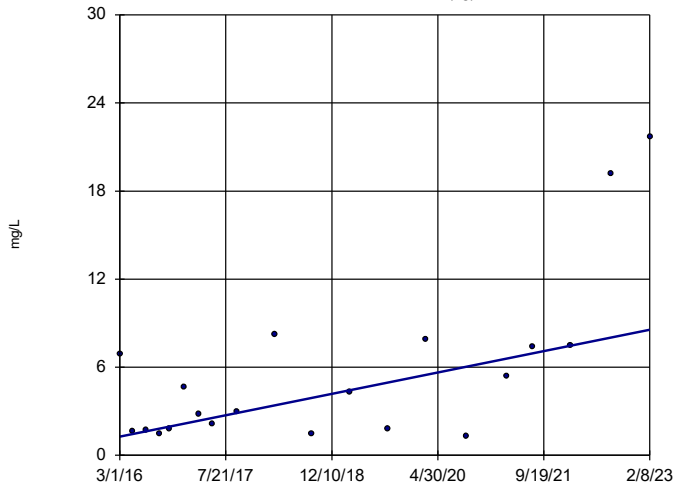


n = 17
 Slope = -0.3026
 units per year.
 Mann-Kendall
 statistic = -93
 critical = -63
 Decreasing trend
 significant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

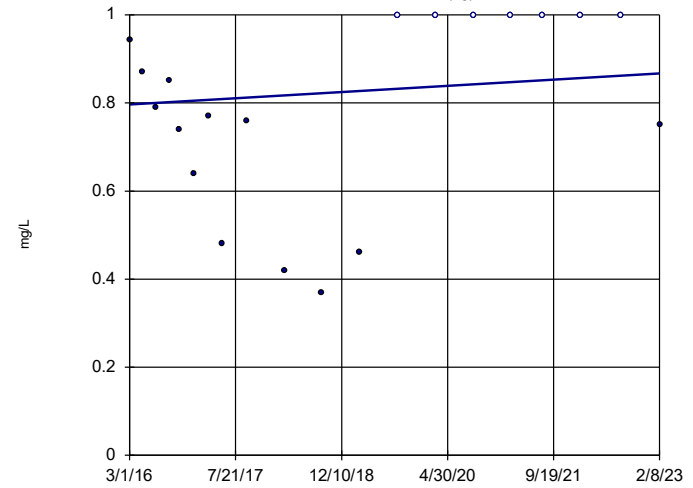


n = 20
 Slope = 1.049
 units per year.
 Mann-Kendall
 statistic = 78
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

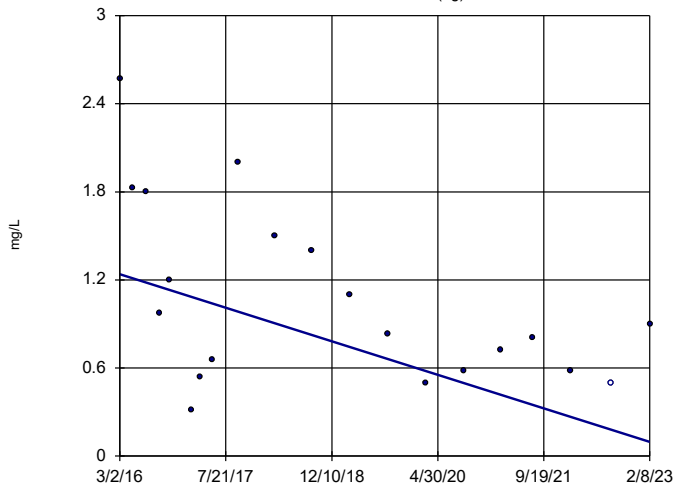


n = 20
 Slope = 0.01014
 units per year.
 Mann-Kendall
 statistic = 27
 critical = 81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

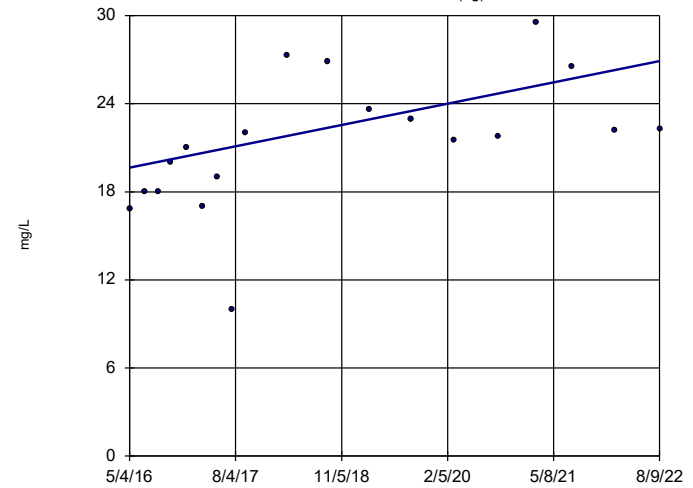


n = 20
 Slope = -0.1645
 units per year.
 Mann-Kendall
 statistic = -74
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

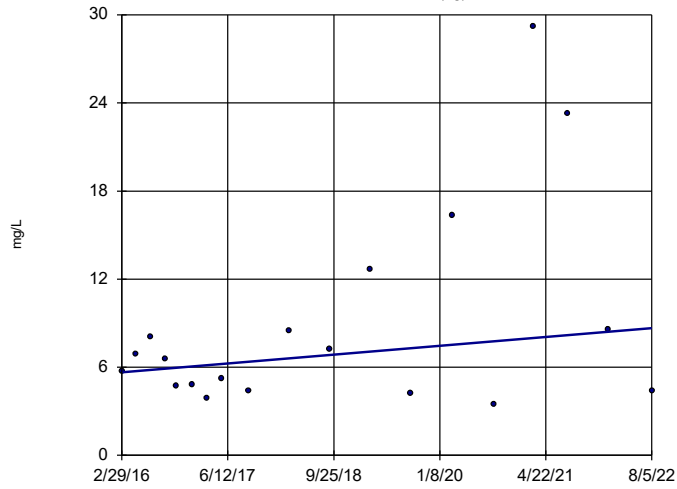


n = 19
 Slope = 1.159
 units per year.
 Mann-Kendall
 statistic = 82
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

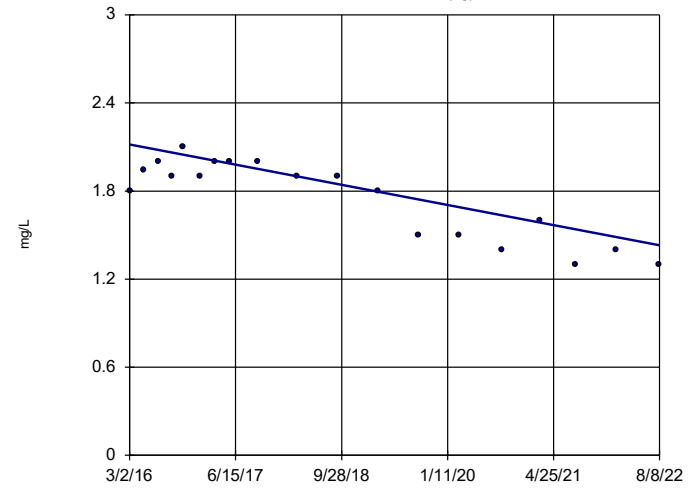


n = 19
 Slope = 0.4686
 units per year.
 Mann-Kendall
 statistic = 24
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

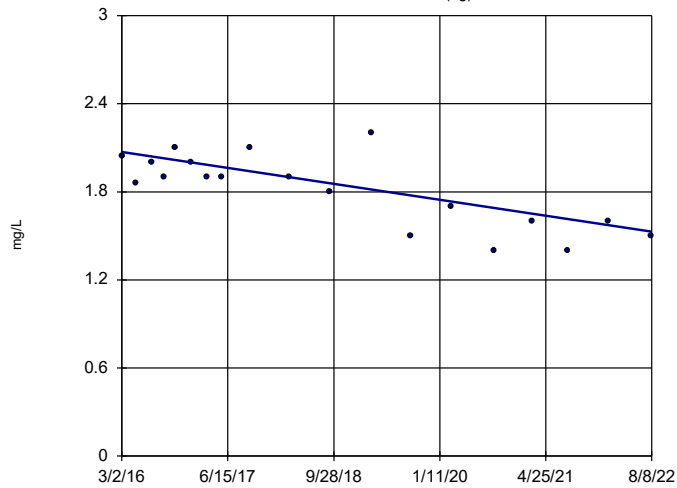


n = 19
 Slope = -0.1066
 units per year.
 Mann-Kendall
 statistic = -100
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

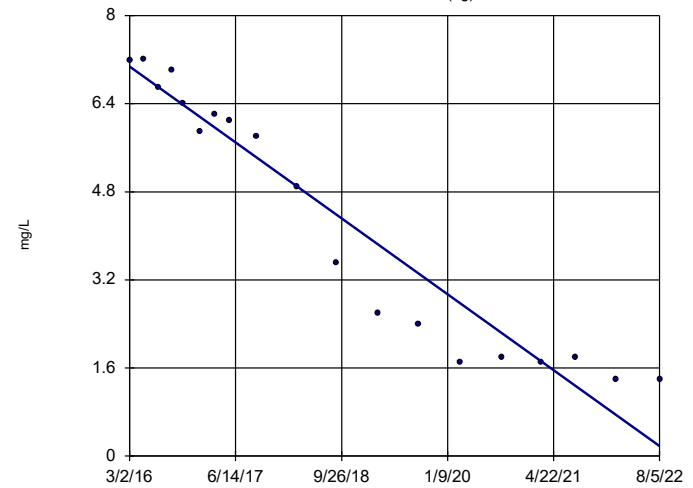


n = 19
 Slope = -0.08398
 units per year.
 Mann-Kendall
 statistic = -86
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

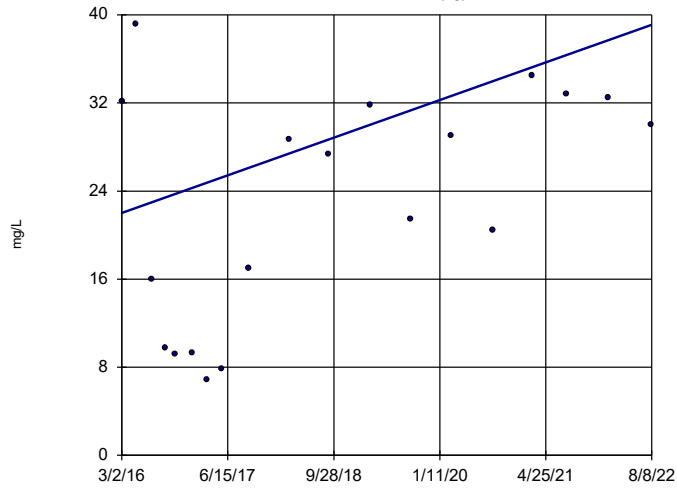


n = 19
 Slope = -1.072
 units per year.
 Mann-Kendall
 statistic = -154
 critical = -74
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

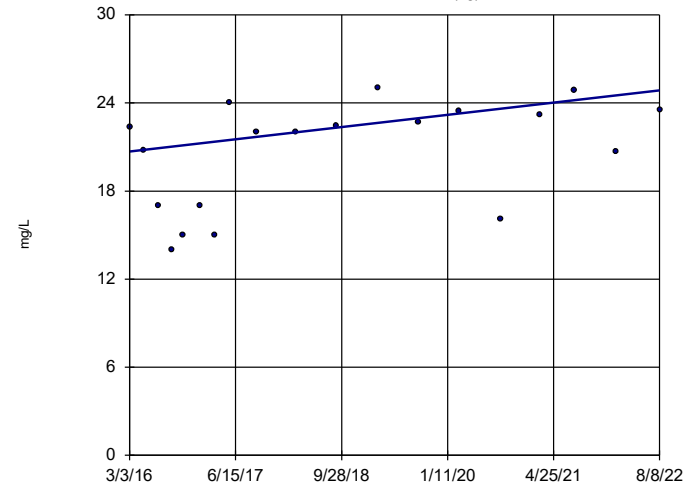


n = 19
 Slope = 2.654 units per year.
 Mann-Kendall statistic = 49
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

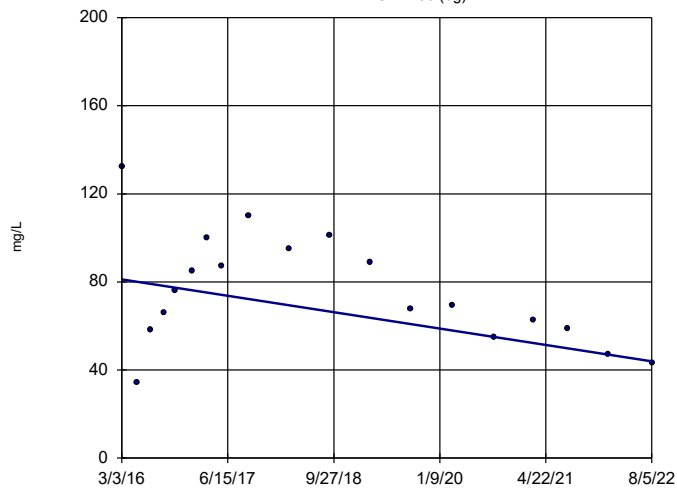


n = 19
 Slope = 0.646 units per year.
 Mann-Kendall statistic = 62
 critical = 74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

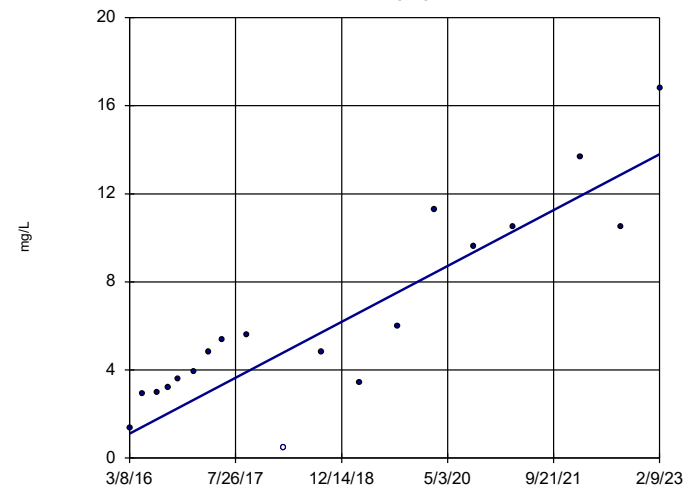


n = 19
 Slope = -5.801 units per year.
 Mann-Kendall statistic = -45
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-21R

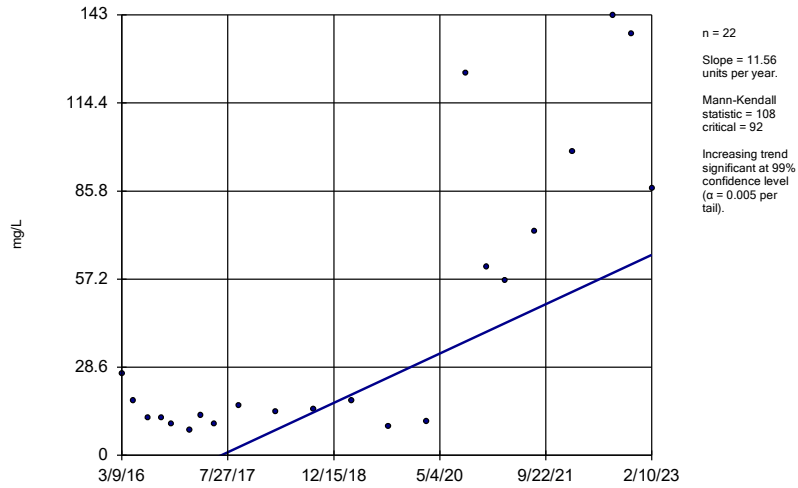


n = 19
 Slope = 1.831 units per year.
 Mann-Kendall statistic = 127
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

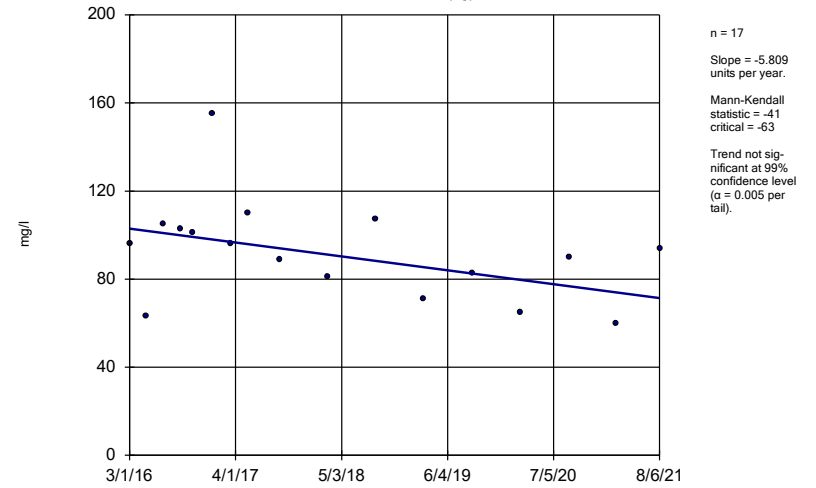
GWC-23R



Constituent: Sulfate Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

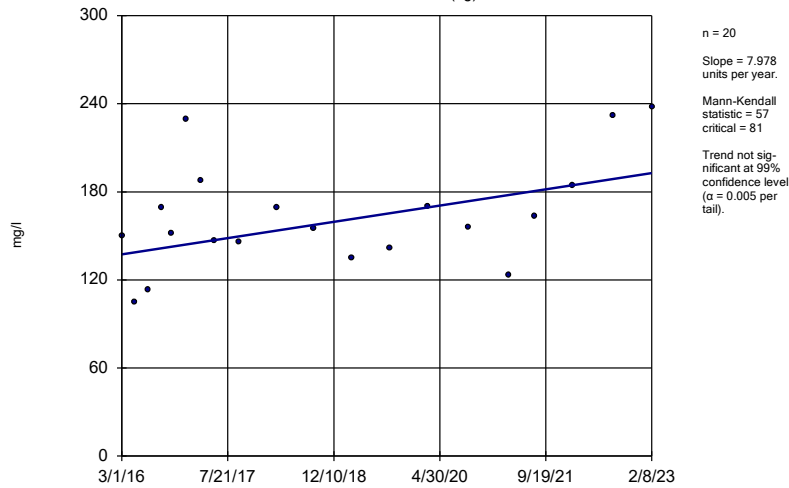
GWA-36 (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

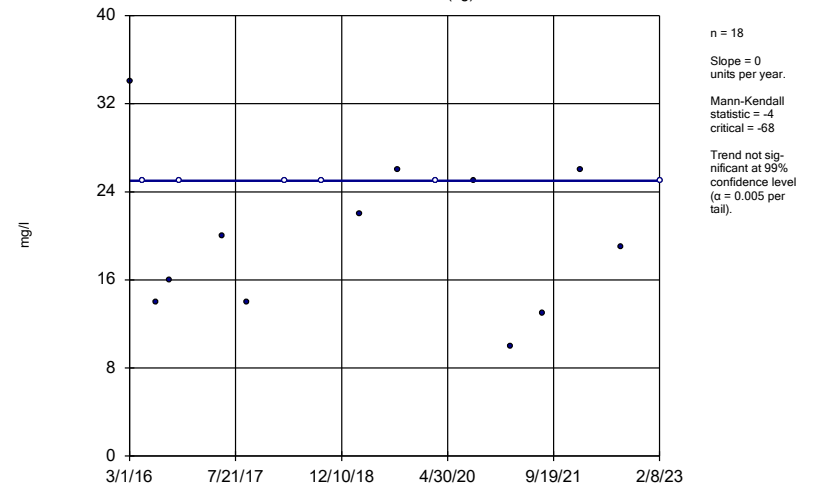
GWA-36RA (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

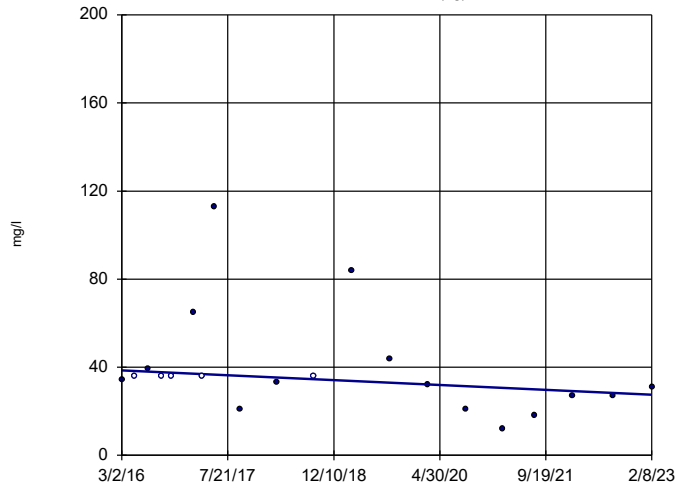
GWA-37 (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

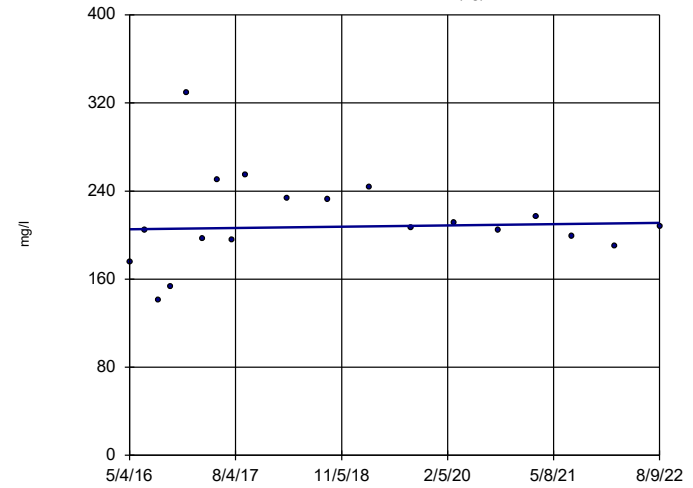


n = 20
Slope = -1.591
units per year.
Mann-Kendall
statistic = -64
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

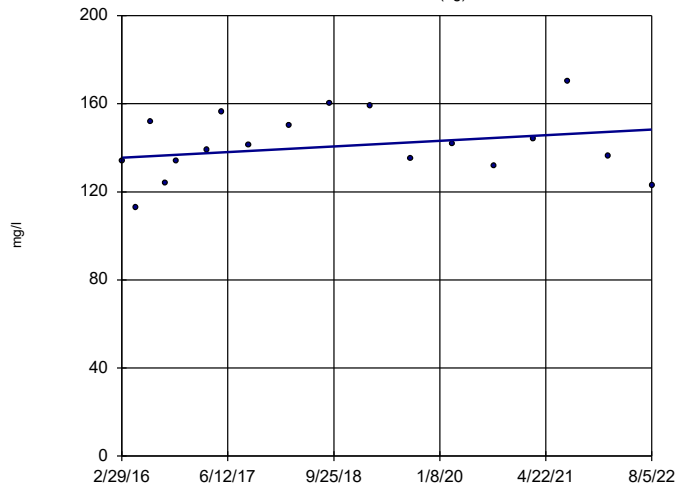


n = 19
Slope = 0.9489
units per year.
Mann-Kendall
statistic = 9
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

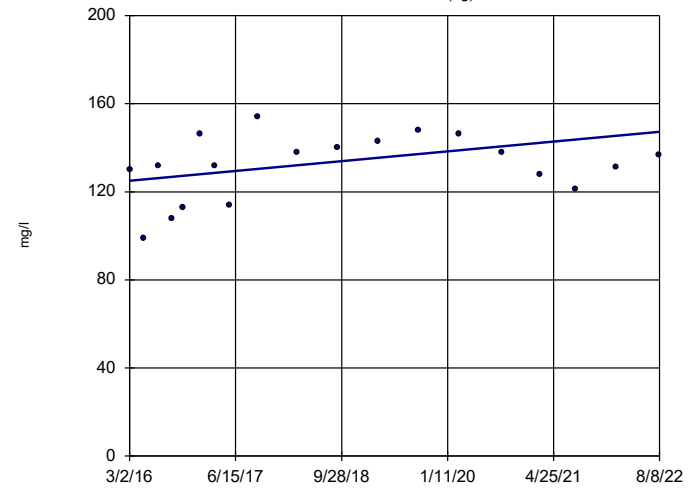


n = 18
Slope = 1.996
units per year.
Mann-Kendall
statistic = 24
critical = 68
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

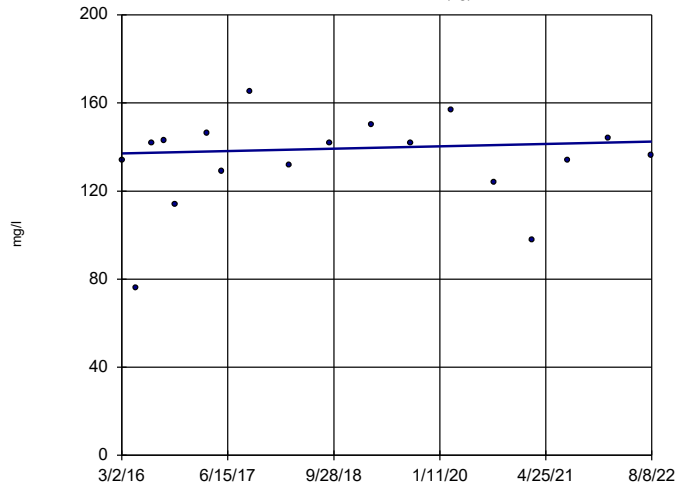


n = 19
Slope = 3.456
units per year.
Mann-Kendall
statistic = 36
critical = 74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

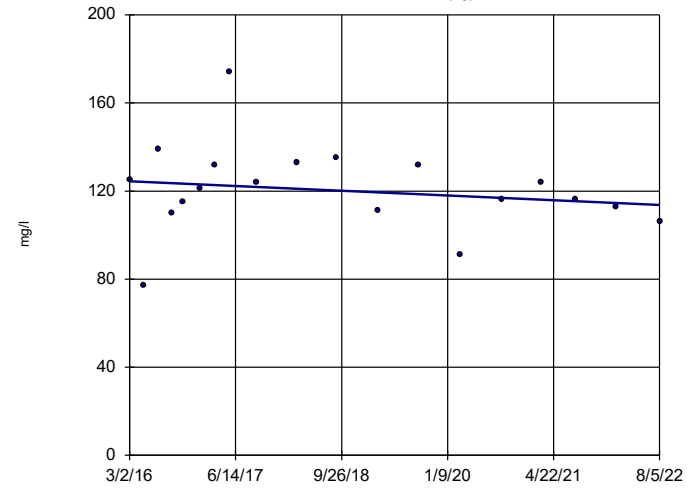
GWA-53R (bg)



n = 18
 Slope = 0.8352 units per year.
 Mann-Kendall statistic = 15
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Sen's Slope Estimator

GWA-54 (bg)



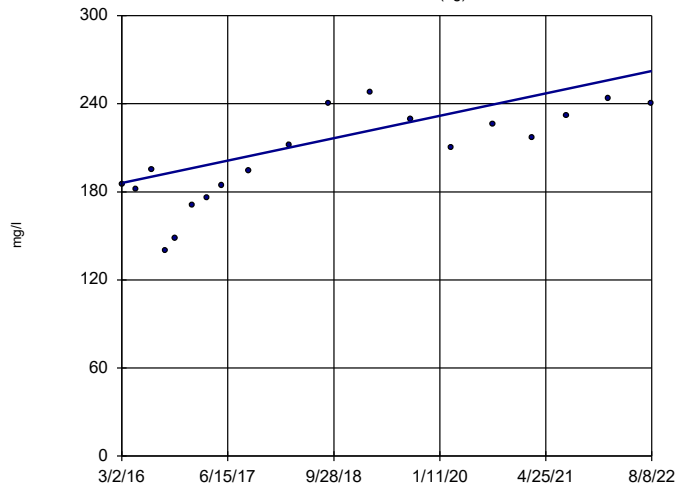
n = 19
 Slope = -1.665 units per year.
 Mann-Kendall statistic = -.24
 critical = -.74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

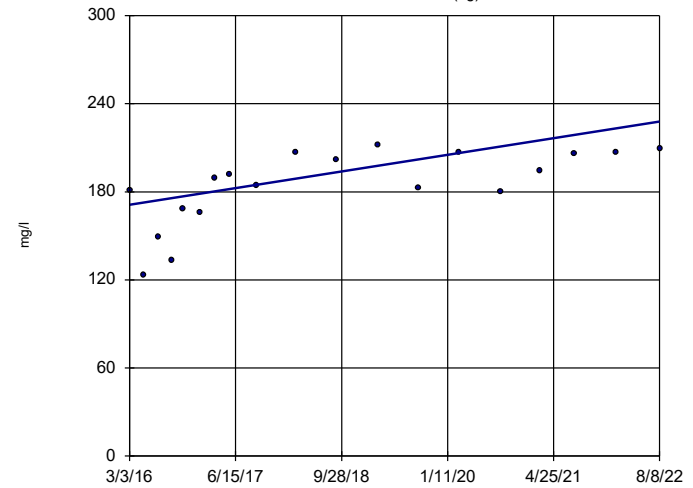
GWA-55 (bg)



n = 19
 Slope = 11.85 units per year.
 Mann-Kendall statistic = 102
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Sen's Slope Estimator

GWA-55R (bg)



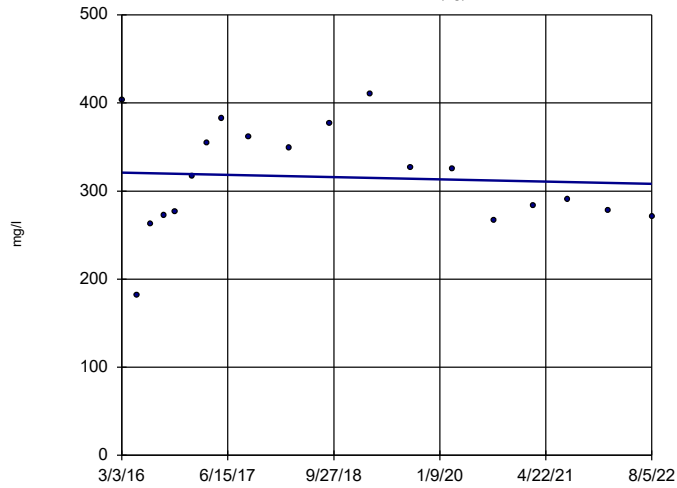
n = 19
 Slope = 8.787 units per year.
 Mann-Kendall statistic = 98
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

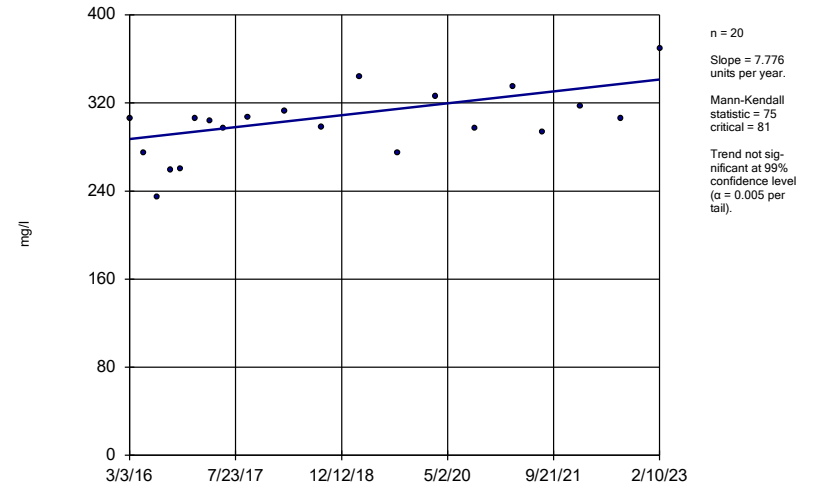
GWA-56 (bg)



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

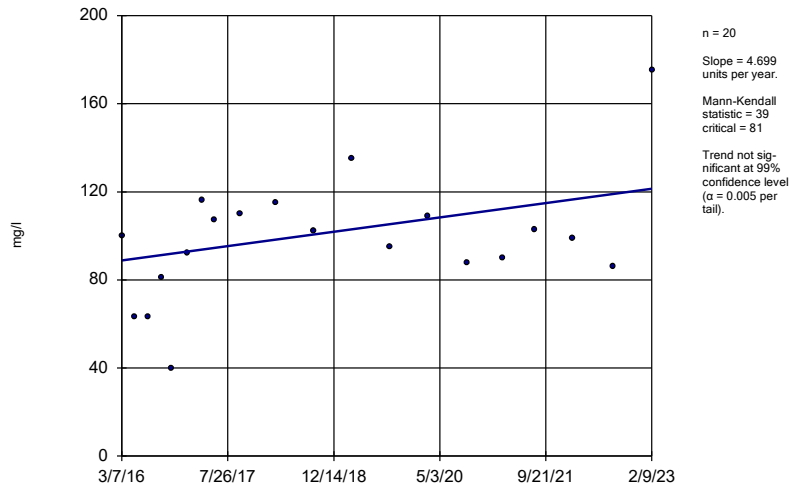
GWC-16R



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

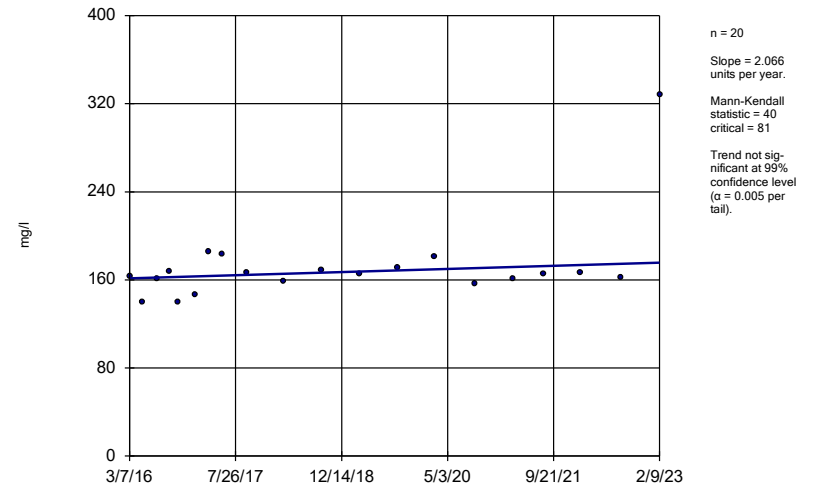
GWC-18



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

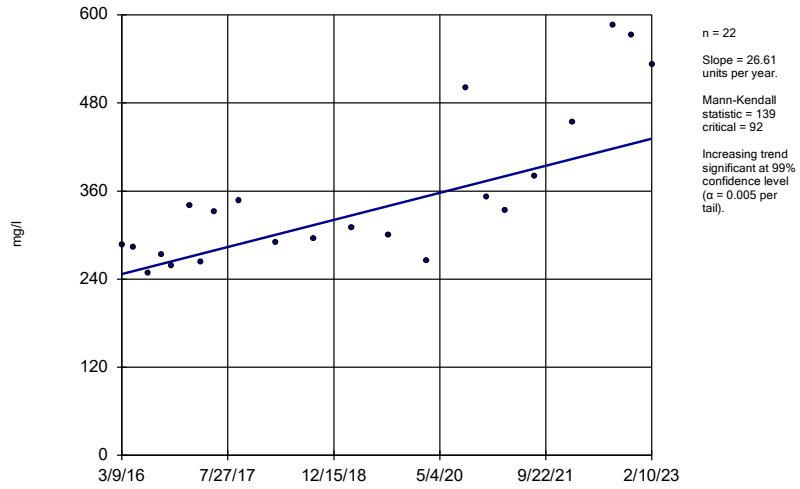
GWC-22R



Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-23R

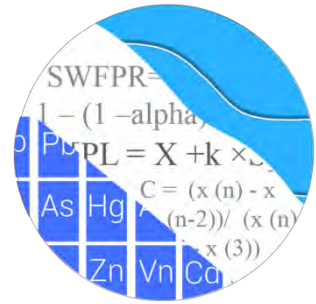


Constituent: Total Dissolved Solids Analysis Run 3/24/2023 1:54 PM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

GROUNDWATER STATS CONSULTING

January 31, 2024

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374



Re: Plant Bowen Landfill Cells 1, 2, 9, and 10
Statistical Analysis – July/August 2023 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the July/August 2023 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement

well GWA-3A. Additionally, some previously reported measurements during the 2nd 2022 and 1st 2023 sample events with "J" flags were revised in the Sanitas database. While the "J" flag is typically used to represent estimated measurements detected between the Method Detection Limit and Practical Quantitation Limit for statistical purposes, the "J" flag during these events was also used to indicate data validation criteria (e.g., greater than a 20% relative percent difference (RPD) between the original and duplicate samples). Therefore, the "J" flags for those well/constituent pairs were removed. No significant changes in statistical limits resulted from these revised flags as the reported measurement remained the same.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Founder and Senior Statistician to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that the terms "parameters" and "constituents" are interchangeable throughout this report. When there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each

well/parameter pair. In some cases, the reporting limit provided by the laboratory contains varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case.

Reporting limit changes may occur depending on laboratory capabilities. In the case of beryllium and mercury, a change in laboratories resulted in a decrease in the respective reporting limits. The historic reporting limit of 0.003 mg/L for beryllium and 0.0005 mg/L for mercury were substituted in place of the most recent reporting limits of 0.0005 mg/L for beryllium and 0.0002 mg/L for mercury, as requested by Stantec, to be consistent with previous statistical limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. A few well/constituent pairs have a limited background data set with a minimum of 11 observations due either to sampling or truncation of background date ranges. As more samples are collected, these well/constituent pairs will meet the minimum power requirements. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc)
- Interwell Prediction Limits with 1-of-2 resample plan (beryllium, mercury, and thallium)
- # Constituents: 16
- # Downgradient wells: 26

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride, sulfate, TDS)

- Interwell Prediction Limits with 1-of-2 resample plan – (chloride and pH)
- # Constituents: 7
- # Downgradient wells: 26

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data for parametric prediction limits. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to spatial variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of spatial variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of statistically significant increases (SSIs) that result from spatial variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample exceeds the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an apparent intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that

an initial intrawell exceedance is short-term and may be the result of spatial variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of spatial variation rather than a result of impact to groundwater quality downgradient of the facility.

Historical Summary of Appendix I & Appendix III Background Screening & Update – Conducted in April 2022

Outlier Analysis

Prior to updating prediction limits, Tukey's outlier test and visual screening were used to evaluate data at all wells through February 2022. Tukey's test identified several potential outliers and confirmed previously flagged values. Some identified values were not flagged because they appeared to be representative of spatial variation. High values that were not identified by Tukey's test, but flagged as outliers, reduced variation among background datasets and resulted in statistical limits that are conservative (in most cases, lower) from a regulatory perspective. Note that previously flagged values for antimony at upgradient wells GWA-1 and GWA-2 along with downgradient well GWC-11R were unflagged during the background update as more recent values were of similar concentration. As mentioned above, any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. Summary tables of all flagged values follow this report (Figure C).

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled

upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter. The ANOVA identified variation for all Appendix I & III parameters except for mercury and thallium; therefore, mercury and thallium will be tested with interwell statistical methods. All parameters were further evaluated as described for the appropriateness of intrawell testing to accommodate the groundwater quality. A summary table of the ANOVA results is included with the reports.

Eligibility of Intrawell Methods

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are conservative (i.e., lower) from a regulatory perspective, and that will rapidly identify a change in more recent compliance data from within a given well. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking spatial variation for a release from the facility. Prior to performing intrawell prediction limits, several steps are required to reasonably demonstrate downgradient water quality does not have existing impacts from the practices of the facility.

Exploratory data analysis was used as a general comparison of concentrations in downgradient wells for all Appendix I and III parameters recommended for intrawell analyses to concentrations reported in upgradient wells. Upper tolerance limits are used in conjunction with confidence intervals to determine whether the estimated averages in downgradient wells are higher than observed levels upgradient of the facility. Upper tolerance limits estimate an upper percentile (in this case the 99th percentile) with known confidence level and thus represent the upper range of likely background values. Tolerance limits are similar to prediction limits that are used for detection monitoring, but tolerance limits are constructed to contain a given fraction of the background population whereas prediction limits are constructed to contain a given number of future observations with known confidence level.

In cases where downgradient average concentrations are higher than observed concentrations upgradient for a given constituent, an independent study and hydrogeological investigation would be required to identify local geochemical conditions and expected groundwater quality for the region to justify an intrawell approach. Such an assessment is beyond the scope of services provided by Groundwater Stats Consulting.

When there is not an obvious explanation for observed concentration differences in downgradient wells relative to reported concentrations in upgradient wells, interwell prediction limits will initially be selected for the statistical method until further evidence shows that concentrations are due to spatial variation rather than a result of the facility.

Upper Tolerance Limits

Parametric tolerance limits were constructed with a target of 99% confidence and 95% coverage using pooled upgradient well data for each of the Appendix III parameters. The confidence and coverage levels for nonparametric tolerance limits are dependent upon the number of background samples. As more data are collected, the background population is better represented and the confidence and coverage levels for nonparametric tolerance limits increase.

Confidence Intervals

Confidence intervals were constructed on downgradient wells for each of the Appendix I & III parameters, using the tolerance limits discussed above, to determine intrawell eligibility. When the entire confidence interval is above a background standard for a given parameter, interwell methods are initially recommended as the statistical method. Therefore, only parameters with confidence intervals which did not exceed background standards are eligible for intrawell prediction limits. Note that well/constituent pairs with 100% non-detects were deselected prior to construction of confidence intervals, and a list of these well/constituent pairs follows this report.

Confidence intervals for Appendix I & III parameters exceeded their respective background limits for beryllium, chloride, and pH. Therefore, for Appendix I parameters, interwell methods are recommended for: beryllium, mercury, and thallium. Intrawell methods are recommended for antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc. For Appendix III parameters, interwell methods are recommended for chloride and pH. Intrawell methods are recommended for boron, calcium, fluoride, sulfate, and TDS.

Mann-Whitney - Intrawell

For constituents requiring intrawell prediction limits, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2018 for Appendix I constituents and through September 2019 for Appendix III constituents to the medians of the new compliance samples at each well through August 2021. Previously truncated data sets discussed above were also compared to the most recent set of

measurements through August 2021. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Note that no reports were produced for several well/constituent pairs as there was no variation in the data. Additionally, no Mann-Whitney test was run for barium at downgradient well GWC-13RZ since this well/constituent pair has been historically evaluated with a trend test in lieu of prediction limits due to due to steadily increasing data since early 2016.

Several statistically significant differences were found between the two groups for the Appendix I and III constituents. Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless updating results in the similar or more conservative limits, or it can be reasonably justified that the change in concentrations are unrelated to practices at the site. In studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians.

Statistically significant increasing medians were found for the following well/constituent pairs:

Appendix I:

- Barium: GWA-2R, GWA-4RZ (both upgradient), GWC-11R, and GWC-49R
- Cobalt: GWA-4RZ (upgradient)
- Zinc: GWC-47 and GWC-47R

Appendix III:

- Sulfate: GWC-14Z

These well/constituent pairs each had their respective records updated with compliance data and are discussed below.

For upgradient well/constituent pairs with significant increases in medians (barium in GWA-2R and GWA-4RZ and cobalt in GWA-4RZ), the increases in concentrations are, reportedly, not related to the facility and represent background conditions. For barium in downgradient well GWC-11R and sulfate in downgradient well GWC-14Z, the concentrations are relatively low, and updating does not result in a high limit compared to upgradient wells. For barium in downgradient well GWC-49R, the compliance samples remain within range of concentrations upgradient of the facility and the pattern is very similar to that of upgradient well GWA-4RZ which has higher reported concentrations; therefore, this well/constituent pair was updated. Regarding zinc in downgradient wells

GWC-47 and GWC-47R, the most recent concentrations in these wells are, reportedly, due to variation in groundwater quality, are somewhat similar to historical concentrations detected in these wells, are marginally higher than the current reporting limit, and remain within the range of upgradient concentrations. Therefore, these well/constituent pairs were updated.

A large number of well/constituent pairs for Appendix I and Appendix III constituents had statistically significant decreasing medians in more recent data. The significant cases are listed in the summary tables for Appendix I and Appendix III Mann-Whitney results. In most cases with significant results, the differences were relatively small, the most recent measurements were similar to measurements in the early part of the record, or the update resulted in the similar or more conservative limits. Therefore, the majority of these records were updated. With the exception of pH, which has both an upper and lower prediction limit, decreasing differences will generally result in more conservative limits. For parametric limits, however, a decreasing difference can result in higher variance, which tends to increase the limit. For the following cases, earlier portions of the records were truncated to reduce variability among background data, utilize concentrations that appear to have stabilized, and remove elevated historical concentrations:

Appendix I:

- Vanadium: GWC-15Z
- Zinc: GWC-5

Appendix III:

- Calcium: GWC-49Z
- Sulfate: GWC-49Z

Any adjustments are shown in the Date Range Table in addition to adjustments listed for chromium, copper, and nickel from previous analysis.

Upgradient Well Trend Tests – Interwell

The Sen's Slope/Mann Kendall trend test was used to evaluate data at upgradient wells for each of the parameters tested using interwell prediction limits--beryllium, mercury, and thallium (Appendix I), and chloride and pH (Appendix III) to identify statistically significant increasing or decreasing trends in background. The results of the trend analyses showed no statistically significant increasing or decreasing trends for Appendix I constituents. For the Appendix III constituents, no statistically significant increasing trends were identified. The following statistically significant decreasing trends were noted:

- Chloride: GWA-1, GWA-39Z, GWA-41, and GWA-41R
- pH: GWA-2R, GWA-41R, GWA-43, GWA-50, and GWA-50R

Truncation of upgradient well records to remove decreasing trends should be done with caution since the higher concentrations could appear in future years at downgradient wells in the absence of facility impacts. Therefore, no adjustments were made at this time. While no statistically significant trend was identified for pH in upgradient well GWA-3A, it was noted that the more recent reported measurements are higher than those reported historically. Concentrations of pH in this well will continue to be monitored and further studies may be required to determine the cause of the increasing concentrations.

Evaluation of Georgia EPD Appendix I Constituents – July/August 2023

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, for antimony, arsenic, barium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc were constructed using all available data through August 2021, except for the cases mentioned above and listed in the Date Range Table. Compliance data from the July/August 2023 sample event were compared to these limits (Figure D). No statistical analyses were included for well/constituent pairs with 100% non-detects. A list of those well/constituent pairs follows this letter.

As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. Note that the intrawell prediction limit changed for chromium at downgradient well GWC-8RR, copper at upgradient well GWA-3A, and zinc at downgradient well GWC-12 as a result of the most recent reporting limit replacing historic non-detects. No statistical exceedances resulted from the lower statistical limits for these well/constituent pairs.

For some well/constituent pairs containing <15% non-detects such as cadmium at upgradient well GWA-42, parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA Unified Guidance (2009). No significant changes resulted from this implementation.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When a resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. Summaries of the Georgia EPD Appendix I prediction limits follow this report. Exceedances were identified for the following well/constituent pairs:

- Antimony: GWA-1 (upgradient), GWC-45, and GWC-47R
- Barium: GWC-45 and GWC-48
- Nickel: GWC-48

Two-Step Approach

When interwell prediction limits were constructed for the apparent intrawell prediction limit exceedances in downgradient wells, no exceedances were identified (Figure E). Values that exceed intrawell background limits are further evaluated using trend tests as discussed below.

Interwell Prediction Limits

For beryllium, mercury, and thallium interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through July/August 2023. Results and a summary table follow this report (Figure F). Regarding beryllium and mercury, prediction limits were set at the reporting limits of 0.003 mg/L and 0.0005 mg/L, respectively. Upgradient well data were reassessed for potential outliers during this analysis. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. Previously flagged values were confirmed and no additional values were flagged as outliers at any of the upgradient wells.

Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. The July/August 2023 sample from each downgradient well was compared to the background limit to determine whether exceedances over background are present. An exceedance was identified for the following well/constituent pair:

- Mercury: GWC-48

Trend Tests

When an exceedance occurs in a downgradient well, the exceedance is further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level--whether or not the exceedance is confirmed as an SSI--in addition to interwell prediction limits in accordance with the two-step analysis. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site. As mentioned above, a trend test was included to evaluate concentrations for barium in well GWC-13RZ in lieu of prediction limits. That trend test, along with trend tests for upgradient wells, follows this report (Figure G). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Barium: GWA-4RZ (upgradient), GWC-13RZ, GWC-45, and GWC-48
- Nickel: GWC-48

Decreasing

- Barium: GWA-1, GWA-41, GWA-43, GWA-43R, GWA-50, and GWA-50R (all upgradient)
- Nickel: GWA-3A, GWA-50, and GWA-50R (all upgradient)

Note that for barium in downgradient well GWC-13RZ, although the trend test shows an overall increasing trend over the study period, there is a noted increase during 2016-17. Current concentrations appear to be relatively stable since early 2018.

Evaluation of CCR Appendix III Parameters – July/August 2023

Intrawell Prediction Limits

For boron, calcium, fluoride, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through August 2021. Results and a summary table follow this report. The July/August 2023 sample from each downgradient well was compared its respective background limit to determine whether exceedances over background are present (Figure H). Note that the reporting limit for TDS at wells GWA-43 and GWC-45 increased from 10 mg/L to 25 mg/L and resulted in slightly different prediction limits than those established during the background update. No significant changes occurred as a result of the reporting limit increase.

Exceedances were identified for the following well/constituent pairs:

- Calcium: GWA-3A and GWA-43R (both upgradient)

Two-Step Approach

Since no apparent intrawell exceedances were identified downgradient of the facility, the two-step approach was not required for Appendix III parameters.

Interwell Prediction Limits

For chloride and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through July/August 2023. Results and a summary table follow this report. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent.

Upgradient well data were reassessed for potential outliers during this analysis. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. No values were flagged as outliers at any of the upgradient wells for Appendix III constituents.

Nonparametric prediction limits were constructed as the background data for chloride and pH did not follow a normal or transformed-normal distributed when tested using the Chi-Squared normality test. The July/August 2023 sample from each downgradient well was compared to the background limit to determine whether exceedances over background are present (Figure I). Exceedances were identified for the following downgradient well/constituent pairs:

- Chloride: GWC-48
- pH (lower limit): GWC-44 and GWC-45

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limits were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents. A summary of the trend test results follows this letter (Figure J). Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Chloride: GWC-48

Decreasing

- Chloride: GWA-1, GWA-39Z, GWA-41, GWA-41R, GWA-50 and GWA-50R (all upgradient)
- pH: GWA-1, GWA-2R, GWA-40, GWA-41R, GWA-43, GWA-50, GWA-50R (all upgradient), GWC-44, and GWC-45

Chloride Intrawell Prediction Limits

While interwell prediction limits were initially recommended in 2015 to evaluate chloride, more recent evidence provided by Stantec Consultants suggests that intrawell prediction limits are appropriate for this constituent due to variation in groundwater quality unrelated to practices at the landfill. Additionally, more recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R, and concentrations at all wells are less than the established Maximum Contaminant Limit of 250 mg/L. When an intrawell prediction limit was constructed to evaluate chloride at well GWC-48 (Figure K), the following exceedance was identified:

- Chloride: GWC-48

Since more recent concentrations of chloride at this well exhibit higher levels of variation in groundwater quality, as more data are collected, the background data set used to establish the intrawell prediction limit will be re-evaluated for updating the limit to use more recent and stable measurements during the next background update.

Summary

Georgia EPD Appendix I

Based on the results of the Appendix I prediction limits and the two-step approach, the following exceedances were identified:

- Mercury: GWC-48

CCR Appendix III

Based on the results of the Appendix III constituents requiring either intrawell or interwell prediction limits and after testing the apparent intrawell exceedances among downgradient wells using the two-step approach, the following exceedances were identified:

Appendix III Intrawell

- Calcium: GWA-3A and GWA-43R (both upgradient)

Appendix III Interwell

- Chloride: GWC-48
- pH (lower limit): GWC-44 and GWC-45

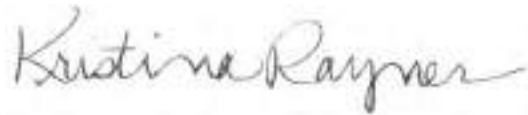
Trend tests were performed for all exceedances and corresponding upgradient wells. Results were presented in the corresponding tables.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

100% Non-Detects: Appendix I Intrawell

Analysis Run 9/11/2023 11:20 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Antimony (mg/L)
GWA-2, GWC-10

Arsenic (mg/L)
GWA-41, GWA-42, GWA-50, GWA-50R, GWC-48

Cadmium (mg/L)
GWA-2, GWA-2R, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-43R, GWA-4RZ, GWA-50R, GWC-11, GWC-13, GWC-13RZ, GWC-15Z, GWC-45, GWC-46R, GWC-49R, GWC-6RZ, GWC-8RR, GWC-9

Chromium (mg/L)
GWA-4RZ

Cobalt (mg/L)
GWA-40, GWA-41, GWA-43R, GWA-50, GWC-10R, GWC-45R, GWC-47, GWC-47R, GWC-49R, GWC-6RZ

Copper (mg/L)
GWC-49R

Lead (mg/L)
GWA-3A, GWC-12, GWC-46R, GWC-49R

Nickel (mg/L)
GWA-40, GWC-6RZ

Selenium (mg/L)
GWA-1, GWA-39RZ, GWA-39Z, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43R, GWA-4RZ, GWA-50, GWA-50R, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-15Z, GWC-45, GWC-45R, GWC-47, GWC-47R, GWC-49R, GWC-49Z, GWC-6, GWC-7Z, GWC-8RR

Silver (mg/L)
GWA-1, GWA-2, GWA-2R, GWA-39Z, GWA-3A, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-4RZ, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-13, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, GWC-49Z, GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9

Vanadium (mg/L)
GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-50, GWC-10R, GWC-45R, GWC-46R, GWC-47, GWC-49R, GWC-49Z, GWC-6RZ, GWC-7Z

Date Ranges

Date: 9/11/2023 11:22 AM

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Calcium, total (mg/L)

GWC-49Z background:7/28/2016-8/5/2021

Chromium (mg/L)

GWC-11R background:4/12/2011-8/11/2021

Copper (mg/L)

GWA-50R background:4/14/2014-8/9/2021

Nickel (mg/L)

GWA-50R background:4/14/2014-8/9/2021

Sulfate, total (mg/L)

GWC-49Z background:9/21/2016-8/5/2021

Vanadium (mg/L)

GWC-15Z background:4/27/2010-8/11/2021

Zinc (mg/L)

GWC-5 background:3/31/2015-8/9/2021

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	7/27/2023	0.011	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	7/26/2023	0.013	Yes	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	7/27/2023	0.0048	Yes	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	7/26/2023	0.007	Yes	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	7/26/2023	0.048	Yes	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	7/26/2023	0.0075	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	7/27/2023	0.011	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.011	n/a	7/27/2023	0.0095	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-39RZ	0.009814	n/a	7/25/2023	0.003ND	No	15	0.00252	0.002352	20	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-39Z	0.003788	n/a	7/26/2023	0.0028J	No	17	0.00115	0.0008886	29.41	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-3A	0.0068	n/a	8/1/2023	0.003ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-40	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41	0.003	n/a	7/25/2023	0.0029J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	7/25/2023	0.0021J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-42	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43	0.003	n/a	7/25/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43R	0.003	n/a	7/25/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	7/28/2023	0.003ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-50	0.003	n/a	7/28/2023	0.003ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	7/28/2023	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	7/31/2023	0.003ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.012	n/a	8/1/2023	0.003ND	No	39	n/a	n/a	69.23	n/a	n/a	0.001226	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-12	0.003	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	8/2/2023	0.003ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-14Z	0.005	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	8/2/2023	0.003ND	No	38	n/a	n/a	50	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-15Z	0.0053	n/a	8/1/2023	0.0028J	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-44	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	7/26/2023	0.013	Yes	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-45R	0.004265	n/a	7/26/2023	0.003ND	No	17	0.001357	0.0009798	47.06	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-46R	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47	0.003	n/a	7/27/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	7/27/2023	0.0048	Yes	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-48	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	7/27/2023	0.0017J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49Z	0.003623	n/a	7/27/2023	0.003ND	No	17	-6.797	0.3965	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	7/28/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.0035	n/a	7/31/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	7/28/2023	0.003ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7Z	0.003	n/a	7/31/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	7/31/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8Z	0.003	n/a	7/31/2023	0.003ND	No	21	n/a	n/a	100	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	7/31/2023	0.003ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.005	n/a	7/27/2023	0.005ND	No	37	n/a	n/a	100	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39Z	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3A	0.005	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-40	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.005571	n/a	7/28/2023	0.005ND	No	17	-6.903	0.5772	23.53	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-10	0.0079	n/a	7/31/2023	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.005	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	42.11	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.012	n/a	8/1/2023	0.0065	No	37	n/a	n/a	24.32	n/a	n/a	0.001361	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-13	0.0096	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	8/2/2023	0.005ND	No	36	n/a	n/a	58.33	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.0038J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0038J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47	0.005	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47R	0.005	n/a	7/27/2023	0.0039J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-49R	0.005	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-49Z	0.005	n/a	7/27/2023	0.0044J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	7/28/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.005	n/a	7/31/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	7/28/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7Z	0.004641	n/a	7/31/2023	0.005ND	No	17	0.001929	0.0009137	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0086	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04502	n/a	7/27/2023	0.018	No	37	-3.909	0.3174	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.05141	n/a	7/27/2023	0.02	No	36	0.0209	0.01195	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.03451	n/a	7/27/2023	0.024	No	36	0.2237	0.03988	0	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39RZ	0.02768	n/a	7/25/2023	0.014	No	16	0.1268	0.01313	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39Z	0.03941	n/a	7/26/2023	0.016	No	17	0.01411	0.008521	5.882	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-3A	0.009084	n/a	8/1/2023	0.0074	No	28	0.005744	0.001261	3.571	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-40	0.01278	n/a	7/26/2023	0.0081	No	17	0.008742	0.001361	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41	0.03723	n/a	7/25/2023	0.018	No	17	0.02557	0.003928	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41R	0.05668	n/a	7/25/2023	0.023	No	17	0.02492	0.0107	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-42	0.007092	n/a	7/26/2023	0.0064	No	17	0.006289	0.0002707	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43	0.04685	n/a	7/25/2023	0.012	No	17	0.02083	0.008765	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43R	0.009608	n/a	7/25/2023	0.0073	No	17	0.007821	0.0006022	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.05645	n/a	7/28/2023	0.043	No	17	0.03282	0.00796	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50	0.01772	n/a	7/28/2023	0.0075	No	31	0.00959	0.00312	3.226	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02271	n/a	7/28/2023	0.0079	No	29	0.01407	0.00328	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03628	n/a	7/31/2023	0.015	No	35	0.1368	0.02096	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.0369	n/a	7/31/2023	0.024	No	38	0.02421	0.005	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.036	n/a	8/1/2023	0.0096	No	37	n/a	n/a	2.703	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-11R	0.02549	n/a	8/1/2023	0.018	No	38	0.01365	0.004665	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.07	n/a	8/1/2023	0.022	No	34	n/a	n/a	0	n/a	n/a	0.001599	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-13	0.05665	n/a	8/1/2023	0.026	No	36	0.02799	0.01122	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-14Z	0.05513	n/a	8/1/2023	0.013	No	34	0.134	0.03917	5.882	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.0322	n/a	8/2/2023	0.015	No	37	0.02379	0.003303	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15Z	0.02357	n/a	8/1/2023	0.011	No	37	0.01126	0.004835	2.703	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-44	0.09923	n/a	7/26/2023	0.02	No	17	0.04132	0.01951	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	7/26/2023	0.007	Yes	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45R	0.02752	n/a	7/26/2023	0.022	No	17	0.02092	0.002221	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-46R	0.02323	n/a	7/26/2023	0.011	No	17	-4.239	0.1605	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47	0.02056	n/a	7/27/2023	0.0083	No	17	0.01184	0.002938	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47R	0.0365	n/a	7/27/2023	0.0076	No	17	-4.549	0.4172	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	7/26/2023	0.048	Yes	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49R	0.03583	n/a	7/27/2023	0.011	No	17	-4.444	0.3757	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49Z	0.0178	n/a	7/27/2023	0.0036J	No	17	0.1729	0.02972	5.882	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.02799	n/a	7/28/2023	0.012	No	37	0.01756	0.004096	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.02931	n/a	7/31/2023	0.0067	No	35	0.2239	0.03294	2.857	None	x^(1/3)	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-6RZ	0.01787	n/a	7/28/2023	0.0062	No	21	0.0946	0.01394	4.762	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-7Z	0.04219	n/a	7/31/2023	0.014	No	17	0.02581	0.00552	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	7/31/2023	0.012	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-8Z	0.06382	n/a	7/31/2023	0.024	No	21	-3.57	0.2917	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.05337	n/a	7/31/2023	0.046	No	34	0.03874	0.005686	0	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-1	0.00076	n/a	7/27/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39RZ	0.0005	n/a	7/25/2023	0.0005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39Z	0.0005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-42	0.0002898	n/a	7/26/2023	0.00013J	No	17	0.0001445	0.00004896	11.76	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-43	0.0005	n/a	7/25/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-50	0.0005	n/a	7/28/2023	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	7/31/2023	0.0005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.0005	n/a	7/31/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00056	n/a	8/1/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-12	0.001	n/a	8/1/2023	0.00035J	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14Z	0.0005	n/a	8/1/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.0005	n/a	8/2/2023	0.0005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-44	0.0005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-45R	0.0005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47	0.0005	n/a	7/27/2023	0.00017J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47R	0.0005	n/a	7/27/2023	0.0005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-48	0.0005469	n/a	7/26/2023	0.00033J	No	17	-8.602	0.3675	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWC-49Z	0.0005	n/a	7/27/2023	0.0005ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0005	n/a	7/28/2023	0.0005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-6	0.0005	n/a	7/31/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7Z	0.0005	n/a	7/31/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8Z	0.0005	n/a	7/31/2023	0.0005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.012	n/a	7/27/2023	0.005ND	No	35	n/a	n/a	74.29	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.009	n/a	7/27/2023	0.005ND	No	35	n/a	n/a	65.71	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	7/27/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-39RZ	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-39Z	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3A	0.012	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-40	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41	0.015	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-50	0.005	n/a	7/28/2023	0.005ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.005	n/a	7/28/2023	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.034	n/a	7/31/2023	0.0019J	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	7/31/2023	0.005ND	No	36	n/a	n/a	77.78	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01362	n/a	8/1/2023	0.0074	No	37	0.005363	0.003241	29.73	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-11R	0.02445	n/a	8/1/2023	0.005J	No	27	0.199	0.03424	3.704	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.03	n/a	8/1/2023	0.0016J	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.035	n/a	8/1/2023	0.0047J	No	38	n/a	n/a	0	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14Z	0.01565	n/a	8/1/2023	0.005ND	No	36	0.05769	0.0264	30.56	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	8/2/2023	0.005ND	No	37	n/a	n/a	59.46	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15Z	0.027	n/a	8/1/2023	0.005ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-46R	0.008155	n/a	7/26/2023	0.0073	No	18	0.003333	0.00165	16.67	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-47	0.007262	n/a	7/27/2023	0.0014J	No	17	-6.245	0.4447	11.76	None	ln(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47R	0.018	n/a	7/27/2023	0.0028J	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-48	0.01	n/a	7/26/2023	0.002J	No	17	n/a	n/a	29.41	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-49R	0.005	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-49Z	0.00778	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.032	n/a	7/28/2023	0.005ND	No	38	n/a	n/a	55.26	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.027	n/a	7/31/2023	0.0024J	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	7/28/2023	0.0023J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8RR	0.0056	n/a	7/31/2023	0.005ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.0016J	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-9	0.018	n/a	7/31/2023	0.005ND	No	36	n/a	n/a	80.56	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.005	n/a	7/27/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39Z	0.0104	n/a	7/26/2023	0.005ND	No	17	0.04156	0.02036	29.41	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-3A	0.0057	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	40.54	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.00053J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.03012	n/a	7/28/2023	0.02	No	17	0.01064	0.006563	5.882	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.005	n/a	7/28/2023	0.005ND	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.013	n/a	7/31/2023	0.0007J	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.016	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.005	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.01	n/a	8/1/2023	0.0032J	No	37	n/a	n/a	8.108	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-13	0.011	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.0079	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14Z	0.011	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15Z	0.005	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.0015J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0013J	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-48	0.005	n/a	7/26/2023	0.0029J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-49Z	0.008028	n/a	7/27/2023	0.00044J	No	17	0.003094	0.001662	11.76	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWC-5	0.0073	n/a	7/28/2023	0.005ND	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.0067	n/a	7/31/2023	0.005ND	No	37	n/a	n/a	72.97	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.0094	n/a	7/27/2023	0.0012J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	7/27/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	7/27/2023	0.0017J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39RZ	0.011	n/a	7/25/2023	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39Z	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3A	0.06218	n/a	8/1/2023	0.005ND	No	32	0.03331	0.01113	6.25	None	No	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-40	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-4RZ	0.005	n/a	7/28/2023	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50	0.02262	n/a	7/28/2023	0.0023J	No	27	0.07647	0.02773	14.81	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-50R	0.02138	n/a	7/28/2023	0.0034J	No	16	-5.507	0.5512	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.006	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10R	0.007	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.013	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.019	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.0067	n/a	8/1/2023	0.0039J	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.005	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.013	n/a	8/2/2023	0.0011J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14Z	0.0056	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.02	n/a	8/2/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15Z	0.021	n/a	8/1/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45	0.012	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47R	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-48	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-49Z	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.07478	n/a	7/28/2023	0.024	No	32	0.1527	0.04654	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-6	0.0069	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.005	n/a	7/28/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.01	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	66.67	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0028	n/a	7/27/2023	0.001ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.002536	n/a	7/27/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.001	n/a	7/27/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39RZ	0.0011	n/a	7/25/2023	0.00014J	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39Z	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-40	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41	0.001	n/a	7/25/2023	0.001ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41R	0.001	n/a	7/25/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-42	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43	0.001	n/a	7/25/2023	0.00018J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43R	0.0038	n/a	7/25/2023	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.001	n/a	7/28/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50	0.001	n/a	7/28/2023	0.001ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0012	n/a	7/28/2023	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.001	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.001	n/a	8/2/2023	0.001ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-14Z	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0011	n/a	8/2/2023	0.00024J	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15Z	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-44	0.001018	n/a	7/26/2023	0.0002J	No	17	0.0004531	0.0001903	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Lead (mg/L)	GWC-45	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-45R	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47	0.001	n/a	7/27/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-47R	0.001	n/a	7/27/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-48	0.002529	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-49Z	0.001	n/a	7/27/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	7/28/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.001	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.001	n/a	7/28/2023	0.001ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7Z	0.001	n/a	7/31/2023	0.001ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-8RR	0.001	n/a	7/31/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8Z	0.001	n/a	7/31/2023	0.001ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-9	0.0012	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	7/27/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	7/27/2023	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.0093	n/a	7/27/2023	0.005ND	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	7/25/2023	0.005ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39Z	0.01656	n/a	7/26/2023	0.0013J	No	15	0.1494	0.03401	33.33	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-3A	0.05189	n/a	8/1/2023	0.005ND	No	29	0.02228	0.01125	6.897	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-41	0.0089	n/a	7/25/2023	0.00073J	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.0015J	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.005	n/a	7/28/2023	0.005ND	No	10	n/a	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50	0.005	n/a	7/28/2023	0.00094J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-50R	0.006681	n/a	7/28/2023	0.00092J	No	16	0.0445	0.01236	6.25	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-10	0.032	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-10R	0.006	n/a	7/31/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0087	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.005	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	93.94	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.029	n/a	8/1/2023	0.0034J	No	33	n/a	n/a	39.39	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-13	0.015	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	31	n/a	n/a	80.65	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14Z	0.011	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0096	n/a	8/2/2023	0.005ND	No	32	n/a	n/a	59.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15Z	0.019	n/a	8/1/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0012J	No	16	n/a	n/a	6.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47R	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	7/26/2023	0.0075	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-49R	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-49Z	0.007304	n/a	7/27/2023	0.0017J	No	16	0.003263	0.001341	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.06412	n/a	7/28/2023	0.009	No	33	0.14	0.04382	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.022	n/a	7/31/2023	0.005ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	11	n/a	n/a	36.36	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.014	n/a	7/31/2023	0.00071J	No	31	n/a	n/a	35.48	n/a	n/a	0.001905	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.0074	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14Z	0.005	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-15R	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-44	0.007965	n/a	7/26/2023	0.005ND	No	17	0.003736	0.001425	41.18	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Selenium (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-48	0.005	n/a	7/26/2023	0.0016J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-5	0.0072	n/a	7/28/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.005	n/a	7/28/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8Z	0.0089	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-39RZ	0.005	n/a	7/25/2023	0.005ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50	0.005	n/a	7/28/2023	0.00044J	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004422	n/a	7/28/2023	0.00091J	No	27	0.002051	0.0008896	29.63	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Silver (mg/L)	GWC-12	0.005	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	7/27/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	7/27/2023	0.01ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	7/27/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	7/25/2023	0.01ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3A	0.01	n/a	8/1/2023	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43	0.01	n/a	7/25/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43R	0.01	n/a	7/25/2023	0.01ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	7/28/2023	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	7/28/2023	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.01	n/a	7/31/2023	0.01ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.01	n/a	8/1/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	8/1/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.01	n/a	8/1/2023	0.01ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.01	n/a	8/1/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	8/2/2023	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14Z	0.012	n/a	8/1/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	8/2/2023	0.01ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15Z	0.012	n/a	8/1/2023	0.01ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-44	0.01	n/a	7/26/2023	0.0026J	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-45	0.01	n/a	7/26/2023	0.0026J	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-47R	0.01	n/a	7/27/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-48	0.01	n/a	7/26/2023	0.0028J	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	7/28/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-6	0.01	n/a	7/31/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	7/31/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8Z	0.01	n/a	7/31/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	7/31/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.02	n/a	7/27/2023	0.02ND	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	7/27/2023	0.011J	No	31	n/a	n/a	51.61	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2R	0.02	n/a	7/27/2023	0.02ND	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-39RZ	0.02	n/a	7/25/2023	0.02ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-39Z	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3A	0.1542	n/a	8/1/2023	0.02ND	No	32	0.2389	0.05929	9.375	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-40	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41R	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-42	0.01923	n/a	7/26/2023	0.02ND	No	16	0.1016	0.0123	31.25	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-43	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-43R	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.02	n/a	7/28/2023	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50	0.02	n/a	7/28/2023	0.02ND	No	26	n/a	n/a	34.62	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-50R	0.02	n/a	7/28/2023	0.02ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-10	0.05529	n/a	7/31/2023	0.02ND	No	33	0.1855	0.07566	36.36	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	7/31/2023	0.02ND	No	33	n/a	n/a	45.45	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.02	n/a	8/1/2023	0.02ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11R	0.02	n/a	8/1/2023	0.02ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.07878	n/a	8/1/2023	0.02ND	No	33	0.2369	0.07422	12.12	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13	0.02243	n/a	8/1/2023	0.02ND	No	29	0.00862	0.005244	31.03	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13RZ	0.02	n/a	8/2/2023	0.02ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-14Z	0.02	n/a	8/1/2023	0.02ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.01505	n/a	8/2/2023	0.02ND	No	31	-5.351	0.4432	22.58	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-15Z	0.025	n/a	8/1/2023	0.02ND	No	29	n/a	n/a	48.28	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-44	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	31.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45R	0.01378	n/a	7/26/2023	0.02ND	No	16	-5.474	0.3946	31.25	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-46R	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-47	0.06114	n/a	7/27/2023	0.049	No	17	0.02981	0.01056	11.76	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-47R	0.04226	n/a	7/27/2023	0.024	No	16	0.01744	0.008235	12.5	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-48	0.02	n/a	7/26/2023	0.012J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-49R	0.02	n/a	7/27/2023	0.02ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-49Z	0.02	n/a	7/27/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-5	0.07406	n/a	7/28/2023	0.027	No	14	0.03902	0.01099	7.143	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-6	0.021	n/a	7/31/2023	0.02ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-6RZ	0.02	n/a	7/28/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7Z	0.02	n/a	7/31/2023	0.02ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	7/31/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8Z	0.02	n/a	7/31/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.02176	n/a	7/31/2023	0.02ND	No	29	0.07971	0.02575	24.14	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2

Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.016	n/a	7/26/2023	0.013	No	424	n/a	n/a	70.05	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.016	n/a	7/27/2023	0.0048	No	424	n/a	n/a	70.05	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWC-45	0.063	n/a	7/26/2023	0.007	No	409	n/a	n/a	0.7335	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-48	0.063	n/a	7/26/2023	0.048	No	409	n/a	n/a	0.7335	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-48	0.053	n/a	7/26/2023	0.0075	No	371	n/a	n/a	55.26	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:51 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	7/26/2023	0.00064	Yes	427	n/a	n/a	95.55	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:51 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-10	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	8/2/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-14Z	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.001	n/a	8/2/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15Z	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-44	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45R	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-46R	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47	0.001	n/a	7/27/2023	0.0002J	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47R	0.001	n/a	7/27/2023	0.0002J	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-48	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49R	0.001	n/a	7/27/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49Z	0.001	n/a	7/27/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-5	0.001	n/a	7/28/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.001	n/a	7/28/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-7Z	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8RR	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8Z	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Appendix I Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:58 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.0006625	-4.448	-2.58	Yes	41	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001185	-93	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.00225	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0001841	-104	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003308	143	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003645	-227	-184	Yes	35	2.857	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007381	-316	-167	Yes	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006242	520	223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001166	97	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-48	0.002317	122	92	Yes	22	4.545	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.001948	-415	-167	Yes	33	18.18	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001584	-175	-152	Yes	31	41.94	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004635	-380	-152	Yes	31	3.226	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002718	85	81	Yes	20	5	n/a	n/a	0.01	NP

Appendix I Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:58 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	0.4525	2.58	No	41	39.02	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	2.58	No	42	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	0.8991	2.58	No	41	41.46	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39RZ (bg)	0	-12	-74	No	19	26.32	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39Z (bg)	0	16	87	No	21	33.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3A (bg)	0	-0.792	-2.58	No	41	68.29	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	-3	-87	No	21	90.48	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	-29	-87	No	21	90.48	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41R (bg)	0	-22	-87	No	21	52.38	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	16	87	No	21	95.24	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-6	-87	No	21	95.24	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43R (bg)	0	-5	-87	No	21	71.43	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	25	87	No	21	52.38	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	0	-42	-191	No	36	88.89	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-23	-191	No	36	97.22	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-45	0.00003419	16	87	No	21	23.81	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-47R	0	15	87	No	21	33.33	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0006625	-4.448	-2.58	Yes	41	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004193	100	223	No	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.0006181	218	223	No	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39RZ (bg)	-0.0003327	-27	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39Z (bg)	-0.00004912	-2	-87	No	21	4.762	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3A (bg)	-0.0001355	-110	-161	No	32	3.125	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-40 (bg)	-0.0003255	-80	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001185	-93	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.000362	16	87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-42 (bg)	0.000004706	16	87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.00225	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0001841	-104	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003308	143	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003645	-227	-184	Yes	35	2.857	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007381	-316	-167	Yes	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006242	520	223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001166	97	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-48	0.002317	122	92	Yes	22	4.545	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-1.568	-2.58	No	42	97.62	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-0.2362	-2.58	No	42	95.24	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2R (bg)	0	0	2.58	No	42	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39RZ (bg)	0	-1	-81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39Z (bg)	0	-12	-87	No	21	95.24	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3A (bg)	0	-1.564	-2.58	No	41	97.56	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-40 (bg)	0	-11	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41 (bg)	0	-29	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41R (bg)	0	-29	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-42 (bg)	0	-27	-87	No	21	85.71	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43 (bg)	0	0	87	No	21	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43R (bg)	0	-11	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4RZ (bg)	0	16	87	No	21	95.24	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50 (bg)	0	9	191	No	36	97.22	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50R (bg)	0	0	191	No	36	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-48	0	-29	-98	No	23	56.52	n/a	n/a	0.01	NP

Appendix I Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:58 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Nickel (mg/L)	GWA-1 (bg)	0	-174	-191	No	36	75	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	0	-45	-184	No	35	71.43	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2R (bg)	0	-74	-191	No	36	80.56	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39RZ (bg)	0	-9	-58	No	16	68.75	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39Z (bg)	-0.0001207	-40	-74	No	19	36.84	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.001948	-415	-167	Yes	33	18.18	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41 (bg)	0	12	81	No	20	60	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41R (bg)	0	-10	-81	No	20	60	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-42 (bg)	-0.00003909	-42	-81	No	20	10	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43 (bg)	0.000009341	45	81	No	20	45	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43R (bg)	0	9	81	No	20	95	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4RZ (bg)	0	5	48	No	14	85.71	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001584	-175	-152	Yes	31	41.94	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004635	-380	-152	Yes	31	3.226	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002718	85	81	Yes	20	5	n/a	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-3A	19.4	n/a	8/1/2023	22.6	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	7/25/2023	34.2	Yes	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-1	0.04	n/a	7/27/2023	0.015J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2	0.04	n/a	7/27/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2R	0.04	n/a	7/27/2023	0.015J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-39RZ	0.04	n/a	7/25/2023	0.04ND	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-39Z	0.04	n/a	7/26/2023	0.012J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-3A	0.04	n/a	8/1/2023	0.04ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-40	0.04	n/a	7/26/2023	0.0091J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41	0.04	n/a	7/25/2023	0.012J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41R	0.04	n/a	7/25/2023	0.011J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-42	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43	0.04	n/a	7/25/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43R	0.04212	n/a	7/25/2023	0.012J	No	17	0.02003	0.008233	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-4RZ	0.03839	n/a	7/28/2023	0.04ND	No	17	-4.603	0.5005	5.882	None	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-50	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-50R	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10R	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11R	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.03966	n/a	8/1/2023	0.012J	No	17	0.01835	0.00794	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-13RZ	0.02265	n/a	8/2/2023	0.012J	No	17	0.01298	0.003603	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-14Z	0.04	n/a	8/1/2023	0.04ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15R	0.04	n/a	8/2/2023	0.04ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15Z	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-44	0.03258	n/a	7/26/2023	0.04ND	No	17	-4.509	0.4043	41.18	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-45	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-45R	0.04	n/a	7/26/2023	0.0088J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-46R	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47	0.04	n/a	7/27/2023	0.012J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47R	0.04	n/a	7/27/2023	0.019J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-48	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49R	0.04	n/a	7/27/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49Z	0.04	n/a	7/27/2023	0.04ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6RZ	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7Z	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8RR	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8Z	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium, total (mg/L)	GWA-1	36.35	n/a	7/27/2023	29.1	No	17	30.64	2.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2	82.96	n/a	7/27/2023	23.3	No	17	26.51	21.04	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2R	61.92	n/a	7/27/2023	28	No	17	26.68	13.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39RZ	39.13	n/a	7/25/2023	35.7	No	17	34952	9306	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39Z	34.91	n/a	7/26/2023	12.5	No	18	12.62	8.42	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-3A	19.4	n/a	8/1/2023	22.6	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-40	31.1	n/a	7/26/2023	18	No	17	21.34	3.637	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41	42.06	n/a	7/25/2023	10.8	No	17	18.81	8.667	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41R	48.24	n/a	7/25/2023	36.7	No	17	33.1	5.641	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-42	38.83	n/a	7/26/2023	35.7	No	17	31.39	2.773	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43	19.26	n/a	7/25/2023	2.2	No	17	6.843	4.628	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	7/25/2023	34.2	Yes	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-4RZ	59.92	n/a	7/28/2023	43	No	17	49.56	3.858	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-50	4.551	n/a	7/28/2023	1.3	No	17	1.458	0.2518	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-50R	13.06	n/a	7/28/2023	0.6J	No	17	4.392	3.23	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	50.26	n/a	7/31/2023	33.7	No	17	29.44	7.761	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10R	48.89	n/a	7/31/2023	42.5	No	17	40.76	3.028	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	30.52	n/a	8/1/2023	23.1	No	17	16.75	5.131	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11R	38.59	n/a	8/1/2023	30	No	17	26.59	4.472	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	9.546	n/a	8/1/2023	7.8	No	17	8.05	0.5575	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	75.84	n/a	8/1/2023	33.5	No	17	45.15	11.44	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13RZ	59.04	n/a	8/2/2023	40.6	No	17	1947	573.4	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14Z	43.05	n/a	8/1/2023	12.5	No	17	20.97	8.227	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15R	45.82	n/a	8/2/2023	34.6	No	16	35.98	3.621	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15Z	30.37	n/a	8/1/2023	24.5	No	17	13334	5471	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-44	21.15	n/a	7/26/2023	3.6	No	17	7.058	5.251	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45	1.009	n/a	7/26/2023	0.97J	No	17	0.8318	0.06622	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	7/26/2023	45.7	No	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-46R	55.43	n/a	7/26/2023	37.7	No	17	44.66	4.014	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47	30.37	n/a	7/27/2023	17.3	No	17	23.26	2.649	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47R	38.9	n/a	7/27/2023	27.9	No	17	30.52	3.123	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-48	11.53	n/a	7/26/2023	3.8	No	17	1.798	0.5951	5.882	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49R	31.57	n/a	7/27/2023	21.8	No	17	25.36	2.314	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49Z	2.525	n/a	7/27/2023	0.61J	No	15	1.138	0.4971	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	12.1	n/a	7/28/2023	1.9	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	16.64	n/a	7/31/2023	14.6	No	16	14	0.9716	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6RZ	15.25	n/a	7/28/2023	7.1	No	16	10.86	1.616	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7Z	28.3	n/a	7/31/2023	23.6	No	17	23.72	1.707	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8RR	25.36	n/a	7/31/2023	23	No	17	22.19	1.179	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8Z	27.37	n/a	7/31/2023	20.8	No	16	412.2	123.9	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	41.78	n/a	7/31/2023	11.6	No	17	2.708	1.4	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-1	0.1269	n/a	7/27/2023	0.054J	No	17	0.05491	0.02684	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-2	0.17	n/a	7/27/2023	0.057J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-2R	0.1	n/a	7/27/2023	0.062J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-39RZ	0.2585	n/a	7/25/2023	0.1ND	No	17	0.2579	0.09337	29.41	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-39Z	0.1189	n/a	7/26/2023	0.055J	No	17	0.05128	0.0252	41.18	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-3A	0.1	n/a	8/1/2023	0.1ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-40	0.11	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41	0.1	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41R	0.12	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-42	0.1	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43	0.1	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43R	0.1	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-4RZ	0.3209	n/a	7/28/2023	0.077J	No	17	0.1707	0.05596	5.882	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-50	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-50R	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10	0.1	n/a	7/31/2023	0.07J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10R	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.1	n/a	8/1/2023	0.05J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11R	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.24	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13RZ	0.2957	n/a	8/2/2023	0.14	No	17	0.144	0.05653	11.76	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-14Z	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15R	0.1	n/a	8/2/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15Z	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-44	0.1998	n/a	7/26/2023	0.1ND	No	18	0.0679	0.04985	27.78	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-45	0.1	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-45R	0.14	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-46R	0.1	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-47	0.13	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWC-47R	0.13	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-48	0.1	n/a	7/26/2023	0.068J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49R	0.1	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49Z	0.1	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-5	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6RZ	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7Z	0.22	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8RR	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8Z	0.1	n/a	7/31/2023	0.056J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-9	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-1	2.711	n/a	7/27/2023	1.4	No	17	1.552	0.4319	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2	179.3	n/a	7/27/2023	44	No	17	54.87	46.38	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	7/27/2023	17.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-39RZ	29.35	n/a	7/25/2023	4.9	No	17	10.86	6.891	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-39Z	9.901	n/a	7/26/2023	1.5	No	17	3.753	2.291	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-3A	5.4	n/a	8/1/2023	3	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-40	7.784	n/a	7/26/2023	1.4	No	18	0.4574	0.6025	5.556	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41	19.9	n/a	7/25/2023	1.1	No	17	0.9897	0.7457	0	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41R	13.45	n/a	7/25/2023	3	No	17	5.663	2.903	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-42	2.63	n/a	7/26/2023	1.1	No	17	1.587	0.3887	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43	1.928	n/a	7/25/2023	1ND	No	17	0.7687	0.432	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43R	10.68	n/a	7/25/2023	2.6	No	17	5.664	1.871	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-4RZ	28.58	n/a	7/28/2023	19.6	No	18	21.14	2.813	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50	1.031	n/a	7/28/2023	0.53J	No	17	0.6803	0.1308	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50R	1.69	n/a	7/28/2023	0.71J	No	17	0.9694	0.2687	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10	2.213	n/a	7/31/2023	1.6	No	17	1.356	0.3195	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10R	2.272	n/a	7/31/2023	1.3	No	17	1.406	0.3226	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11	3.941	n/a	8/1/2023	2.1	No	17	2.457	0.553	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11R	4.739	n/a	8/1/2023	1.9	No	17	2.51	0.8307	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-12	1	n/a	8/1/2023	1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-13	196.5	n/a	8/1/2023	28.8	No	17	69.62	47.29	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-13RZ	107.1	n/a	8/2/2023	55.5	No	17	56.66	18.8	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-14Z	11.83	n/a	8/1/2023	6.6	No	16	4.35	2.75	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15R	13.96	n/a	8/2/2023	4.7	No	17	9.185	1.78	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15Z	15.09	n/a	8/1/2023	0.73J	No	17	1.728	0.8034	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-44	62.46	n/a	7/26/2023	8.1	No	17	21.93	15.1	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45	1.552	n/a	7/26/2023	0.74J	No	17	0.8033	0.2791	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	7/26/2023	3.5	No	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-46R	9.434	n/a	7/26/2023	4	No	17	6.619	1.049	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47	5.577	n/a	7/27/2023	5	No	17	4.314	0.471	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47R	15.96	n/a	7/27/2023	10.9	No	17	9.402	2.446	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-48	20.2	n/a	7/26/2023	5.3	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-49R	6.244	n/a	7/27/2023	2.3	No	18	1.819	0.2569	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-49Z	3.084	n/a	7/27/2023	0.97J	No	14	1.807	0.4463	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-5	2.174	n/a	7/28/2023	1.4	No	17	1.416	0.2824	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6	3.803	n/a	7/31/2023	1.7	No	17	2.289	0.564	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6RZ	3.425	n/a	7/28/2023	1.7	No	17	1.962	0.5452	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-7Z	2.37	n/a	7/31/2023	1.1	No	17	0.9735	0.5205	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8RR	2.1	n/a	7/31/2023	0.86J	No	17	1.018	0.4031	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8Z	4.465	n/a	7/31/2023	0.81J	No	17	1.967	0.931	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-9	4.753	n/a	7/31/2023	4.1	No	17	2.308	0.9112	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-1	190.4	n/a	7/27/2023	167	No	17	153.2	13.85	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-2	398.6	n/a	7/27/2023	177	No	17	138.3	97.02	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-2R	237.6	n/a	7/27/2023	155	No	17	120.5	43.64	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ	258.4	n/a	7/25/2023	158	No	17	165.8	34.53	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z	169.9	n/a	7/26/2023	57	No	16	69.56	36.89	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-3A	121	n/a	8/1/2023	113	No	16	3.37	0.5244	31.25	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-40	169.9	n/a	7/26/2023	70	No	17	103.5	24.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41	203.5	n/a	7/25/2023	43	No	17	85.94	43.82	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41R	269.7	n/a	7/25/2023	162	No	17	159.5	41.05	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	7/26/2023	134	No	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43	91.52	n/a	7/25/2023	25ND	No	17	36.44	20.53	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43R	191.5	n/a	7/25/2023	167	No	17	139.8	19.27	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ	425.2	n/a	7/28/2023	243	No	17	15.84	1.782	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50	46.57	n/a	7/28/2023	25ND	No	17	21.74	9.254	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50R	96.25	n/a	7/28/2023	25ND	No	17	33.65	23.33	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10	208.4	n/a	7/31/2023	143	No	17	125.3	30.95	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10R	244.5	n/a	7/31/2023	144	No	17	147	36.34	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11	151.3	n/a	8/1/2023	121	No	17	91.59	22.25	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11R	176.7	n/a	8/1/2023	151	No	17	130.5	17.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-12	104	n/a	8/1/2023	63	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	8/1/2023	197	No	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13RZ	363	n/a	8/2/2023	282	No	17	66958	24165	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-14Z	286.7	n/a	8/1/2023	83	No	17	10.28	2.48	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15R	238.8	n/a	8/2/2023	136	No	17	167.6	26.5	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15Z	223.8	n/a	8/1/2023	114	No	17	117.9	39.46	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-44	201.1	n/a	7/26/2023	32	No	18	6.914	2.746	16.67	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45	52.55	n/a	7/26/2023	25ND	No	17	4.146	1.156	41.18	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45R	251.4	n/a	7/26/2023	186	No	17	165.1	32.17	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-46R	298.8	n/a	7/26/2023	206	No	17	233.9	24.2	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47	176.7	n/a	7/27/2023	105	No	17	125.5	19.06	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47R	200.3	n/a	7/27/2023	154	No	17	21576	6910	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-48	98.66	n/a	7/26/2023	33	No	17	5.376	1.698	23.53	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49R	191	n/a	7/27/2023	117	No	17	124.8	24.67	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49Z	64.75	n/a	7/27/2023	25ND	No	17	31.83	12.27	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-5	123.8	n/a	7/28/2023	25ND	No	17	5.754	2.001	17.65	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6	164.9	n/a	7/31/2023	77	No	17	8.794	1.509	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6RZ	164.6	n/a	7/28/2023	46	No	17	69.88	35.29	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-7Z	172	n/a	7/31/2023	113	No	17	121	19	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8RR	133.8	n/a	7/31/2023	96	No	17	107.8	9.712	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8Z	186	n/a	7/31/2023	97	No	17	111.5	27.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-9	175.8	n/a	7/31/2023	62	No	17	57.85	43.95	5.882	None	No	0.0002894	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	6.3	n/a	7/26/2023	6.4	Yes	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.24	7/26/2023	4.08	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.24	7/26/2023	4.19	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	6.3	n/a	7/31/2023	2.1	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	6.3	n/a	7/31/2023	2.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	6.3	n/a	8/1/2023	1.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	6.3	n/a	8/1/2023	1.6	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	6.3	n/a	8/1/2023	0.96J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	6.3	n/a	8/1/2023	3.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	6.3	n/a	8/2/2023	5.4	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	6.3	n/a	8/1/2023	3.7	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	6.3	n/a	8/2/2023	1.2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	6.3	n/a	8/1/2023	0.82J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	6.3	n/a	7/26/2023	2.4	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	6.3	n/a	7/26/2023	0.99J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	6.3	n/a	7/26/2023	3.2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	6.3	n/a	7/26/2023	3.9	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	6.3	n/a	7/27/2023	2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	6.3	n/a	7/27/2023	2.2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	6.3	n/a	7/26/2023	6.4	Yes	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	6.3	n/a	7/27/2023	1.1	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	6.3	n/a	7/27/2023	1	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	6.3	n/a	7/28/2023	0.69J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	6.3	n/a	7/31/2023	1.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	6.3	n/a	7/28/2023	1.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	6.3	n/a	7/31/2023	0.94J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	6.3	n/a	7/31/2023	0.98J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	6.3	n/a	7/31/2023	1.5	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	6.3	n/a	7/31/2023	2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	4.24	7/31/2023	6.58	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	4.24	7/31/2023	7.16	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	4.24	8/1/2023	6.71	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	4.24	8/1/2023	7.3	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	4.24	8/1/2023	5.45	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.24	8/1/2023	6.77	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	4.24	8/2/2023	6.995	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	4.24	8/1/2023	5.57	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	4.24	8/2/2023	7.23	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	4.24	8/1/2023	7.41	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.24	7/26/2023	4.08	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.24	7/26/2023	4.19	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	4.24	7/26/2023	6.92	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	4.24	7/26/2023	7.18	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	4.24	7/27/2023	6.73	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	4.24	7/27/2023	7.03	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.24	7/26/2023	4.31	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	4.24	7/27/2023	7.45	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	4.24	7/27/2023	4.47	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	4.24	7/28/2023	5.06	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	4.24	7/31/2023	6.86	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	4.24	7/28/2023	6.22	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	4.24	7/31/2023	6.52	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	4.24	7/31/2023	7.47	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	4.24	7/31/2023	6.52	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.24	7/31/2023	5.38	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Appendix III Trend Tests Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride, Total (mg/L)	GWA-1 (bg)	-0.07851	-119	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-39Z (bg)	-0.1193	-127	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41 (bg)	-0.1003	-94	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41R (bg)	-0.321	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50 (bg)	-0.04338	-105	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50R (bg)	-0.03971	-100	-87	Yes	21	14.29	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-48	0.5357	234	105	Yes	24	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.03516	-112	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08999	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.08482	-120	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.1067	-111	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1762	-152	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1159	-137	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.2012	-114	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05717	-125	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.06994	-151	-98	Yes	23	0	n/a	n/a	0.01	NP

Appendix III Trend Tests Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride, Total (mg/L)	GWA-1 (bg)	-0.07851	-119	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2 (bg)	-0.07383	-67	-87	No	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2R (bg)	-0.0203	-22	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-39RZ (bg)	-0.1495	-85	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-39Z (bg)	-0.1193	-127	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-3A (bg)	0.01107	26	81	No	20	5	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-40 (bg)	-0.06014	-64	-92	No	22	4.545	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41 (bg)	-0.1003	-94	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41R (bg)	-0.321	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-42 (bg)	-0.08811	-56	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-43 (bg)	0	9	87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-43R (bg)	-0.2484	-86	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-4RZ (bg)	0.03234	25	87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50 (bg)	-0.04338	-105	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50R (bg)	-0.03971	-100	-87	Yes	21	14.29	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-48	0.5357	234	105	Yes	24	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.03516	-112	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2 (bg)	-0.02005	-25	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08999	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39RZ (bg)	-0.04573	-86	-98	No	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39Z (bg)	-0.05794	-47	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-3A (bg)	0.01388	2	81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.08482	-120	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41 (bg)	-0.06616	-66	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.1067	-111	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-42 (bg)	-0.04373	-86	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1762	-152	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43R (bg)	-0.01123	-50	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-4RZ (bg)	-0.05277	-106	-124	No	27	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1159	-137	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.2012	-114	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05717	-125	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.06994	-151	-98	Yes	23	0	n/a	n/a	0.01	NP

Intrawell Prediction Limits - Chloride GWC-48 - All/Significant Results

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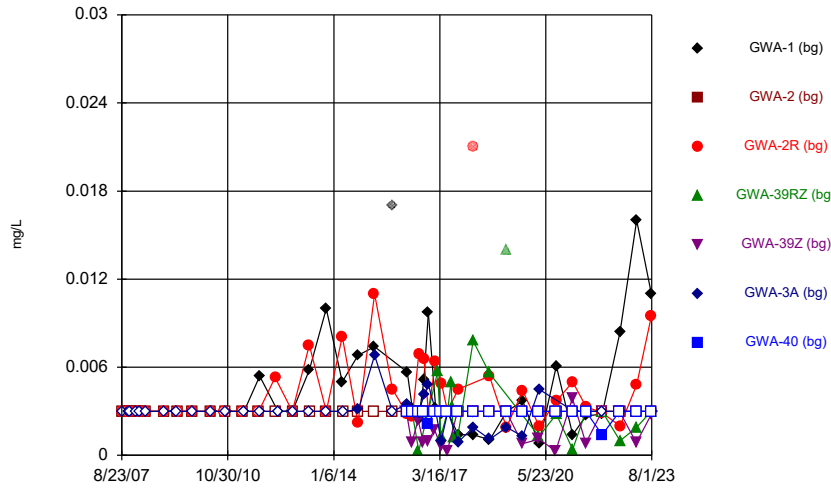
<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride, Total (mg/L)	GWC-48	5.485	n/a	7/26/2023	6.4	Yes	17	1.705	0.2373	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

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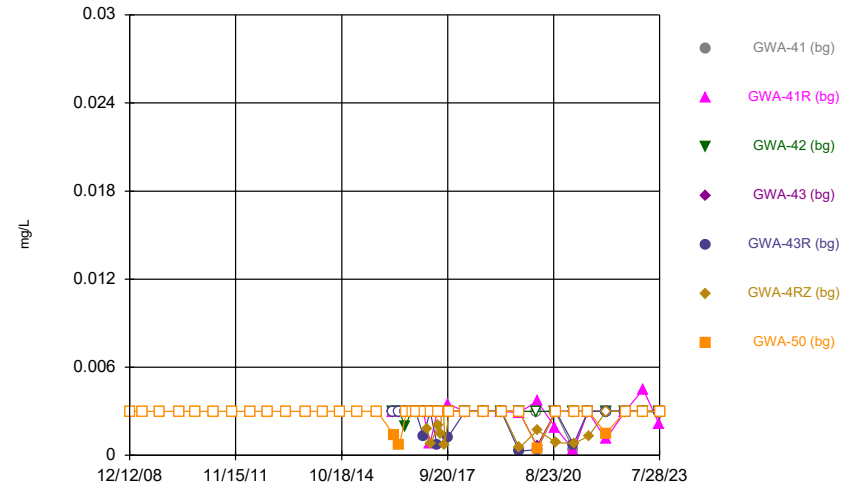
FIGURE A.

Time Series



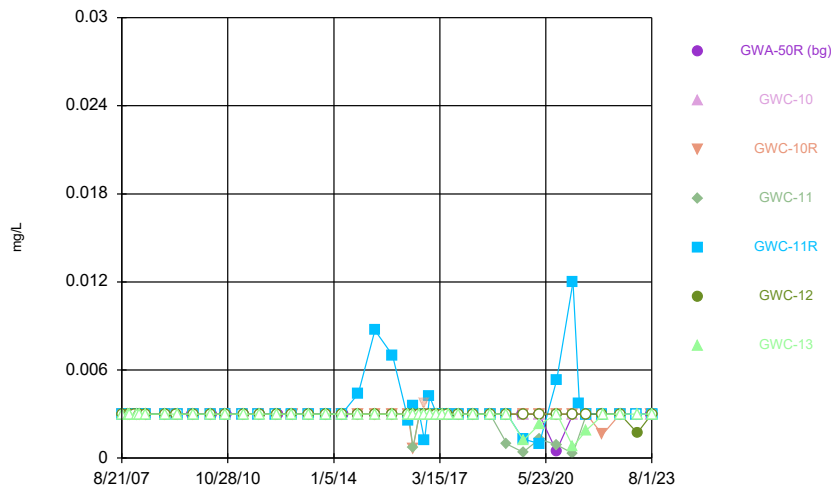
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Time Series



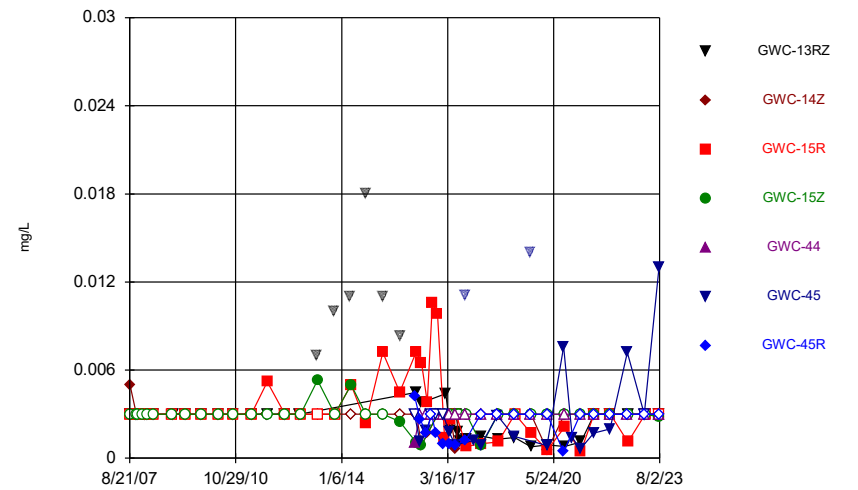
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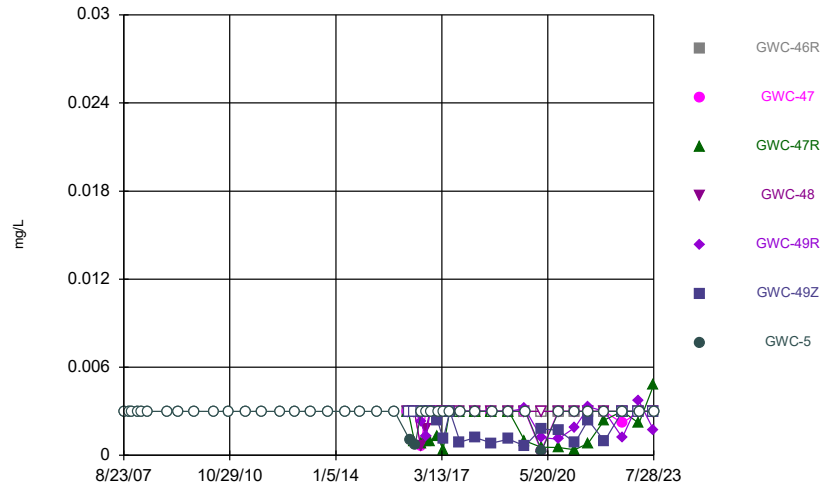
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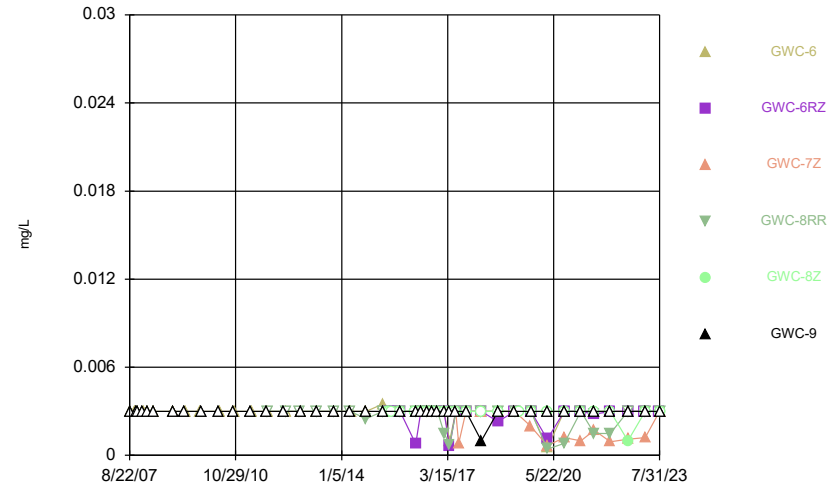
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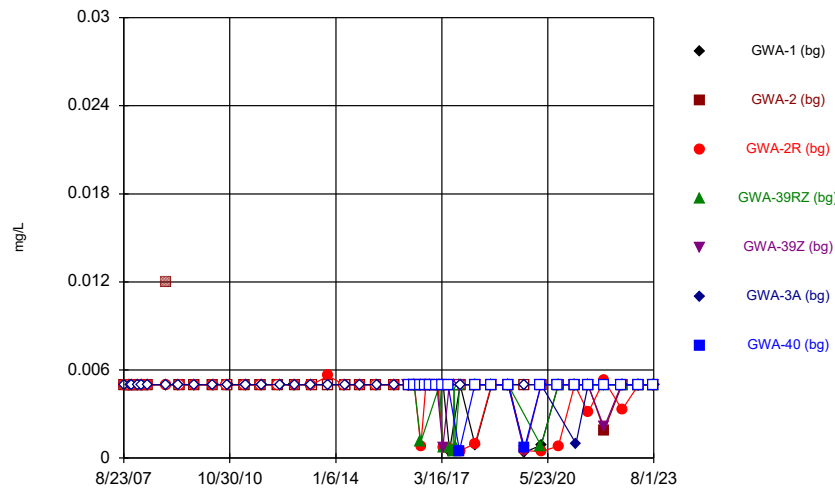
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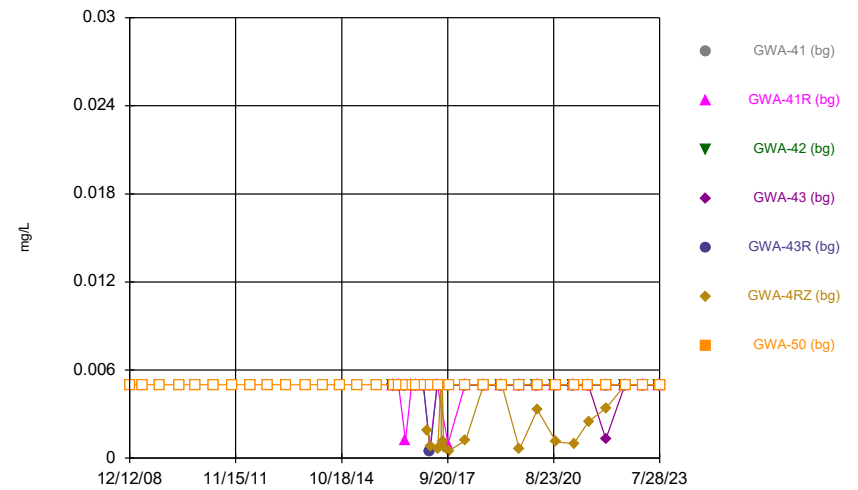
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Time Series



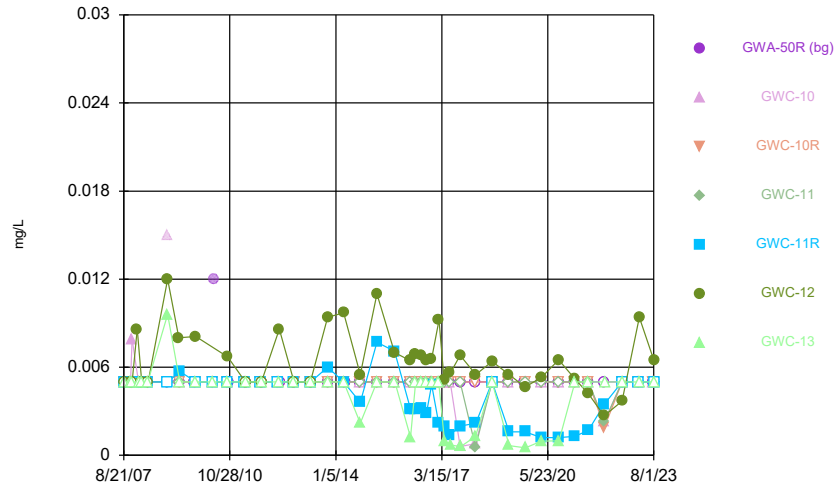
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Time Series



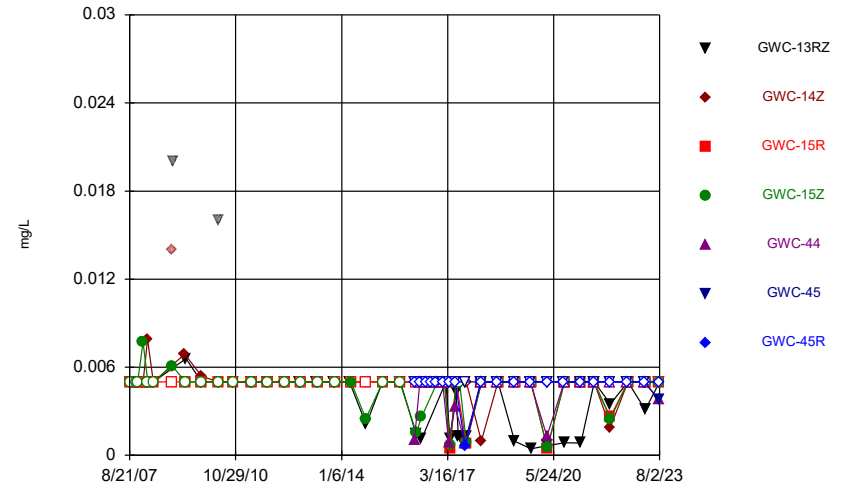
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Time Series



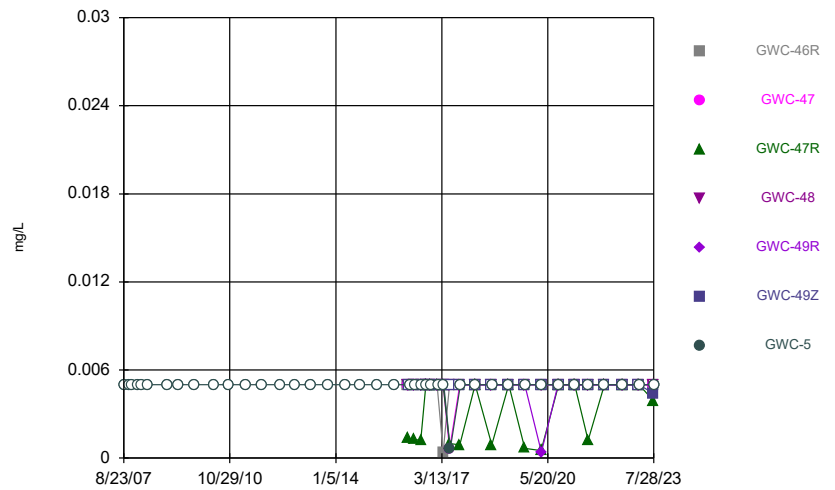
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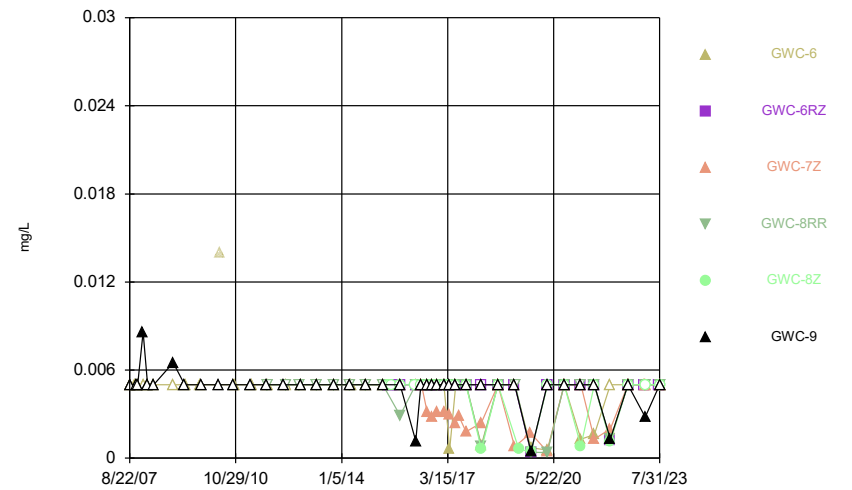
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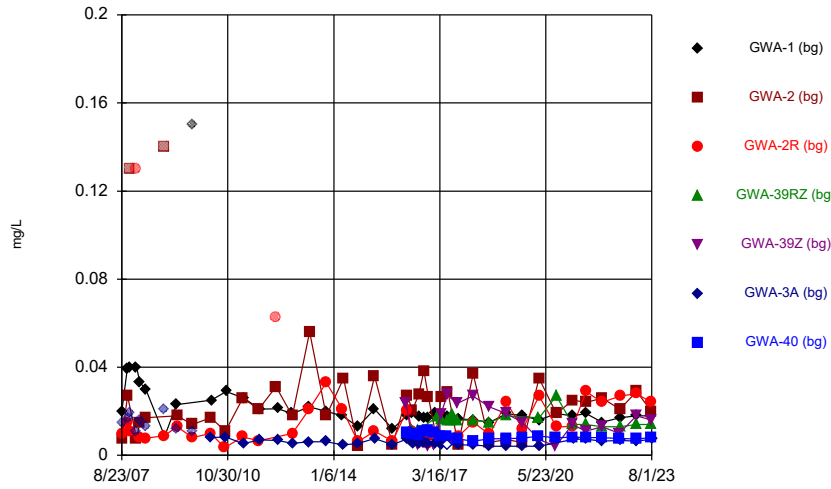
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Time Series



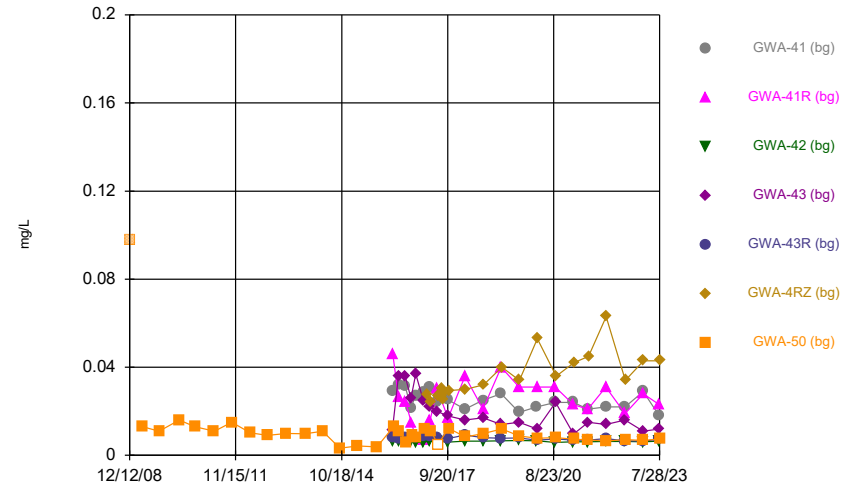
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Time Series



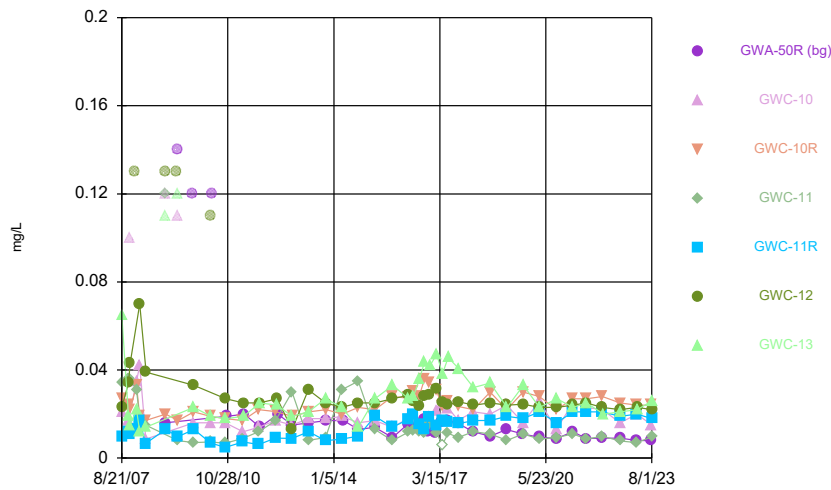
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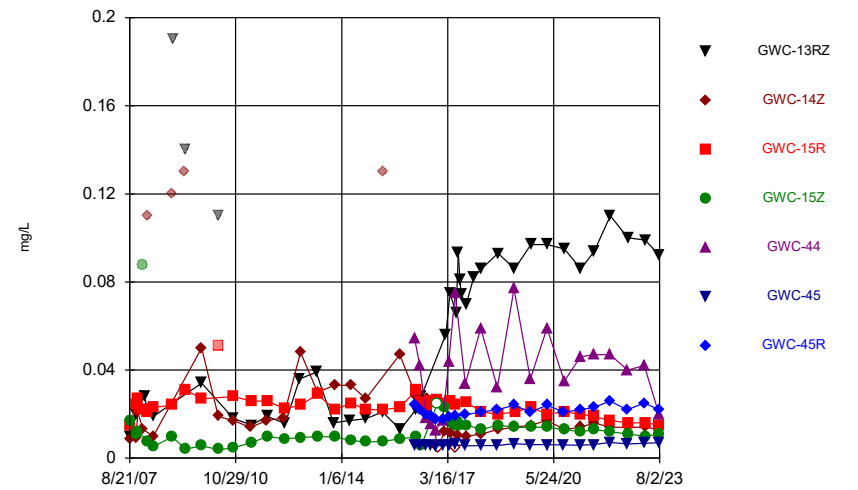
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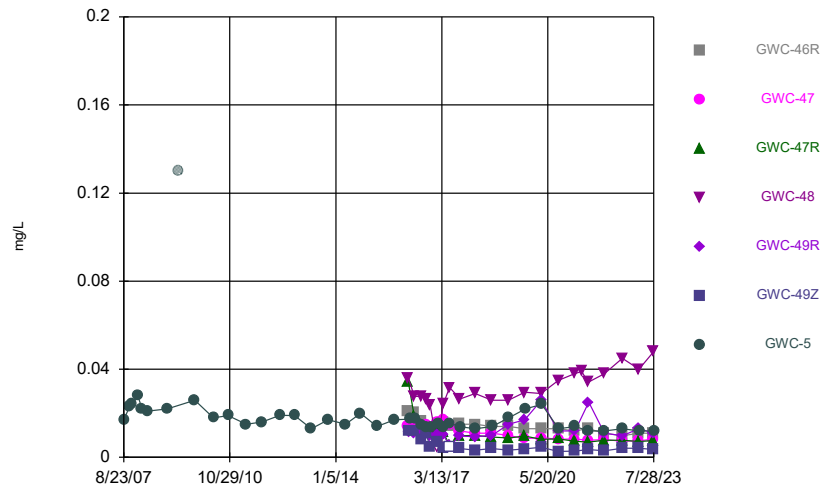
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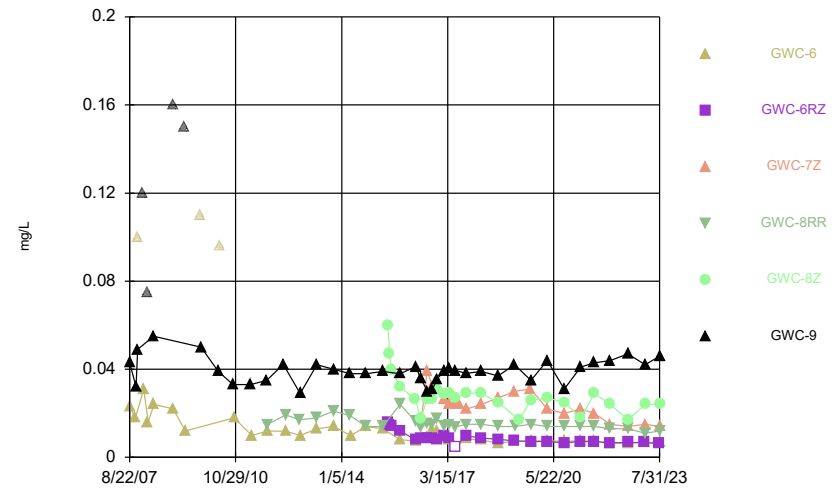
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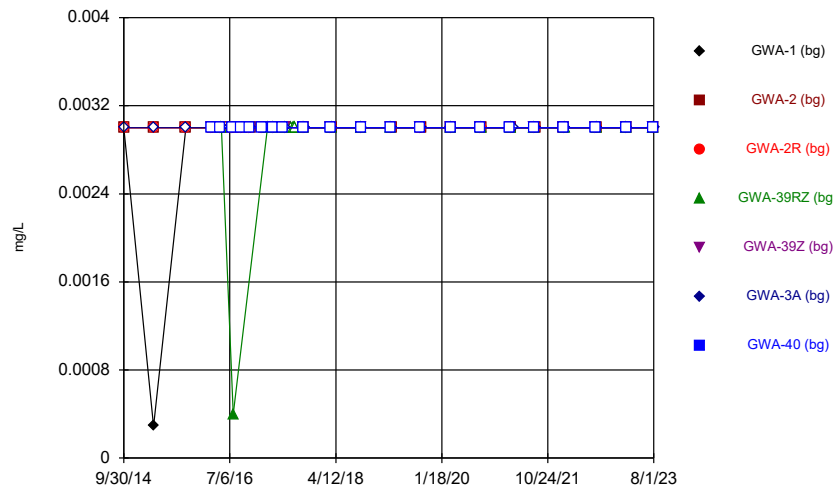
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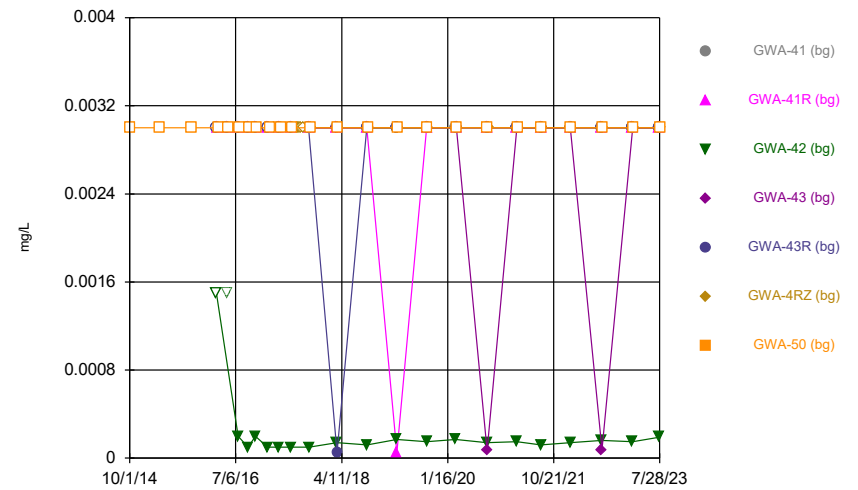
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Time Series



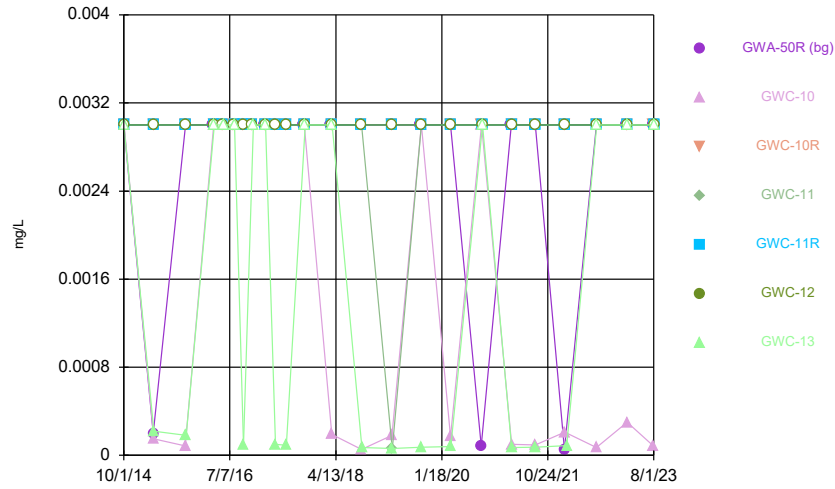
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Time Series



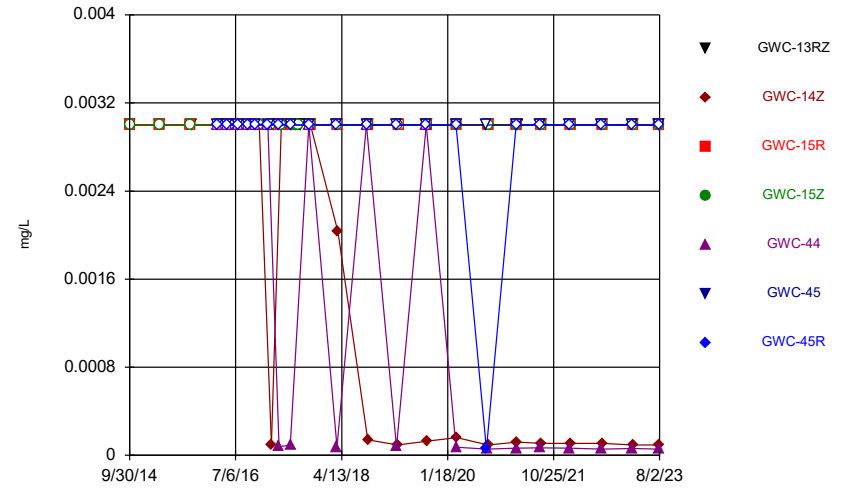
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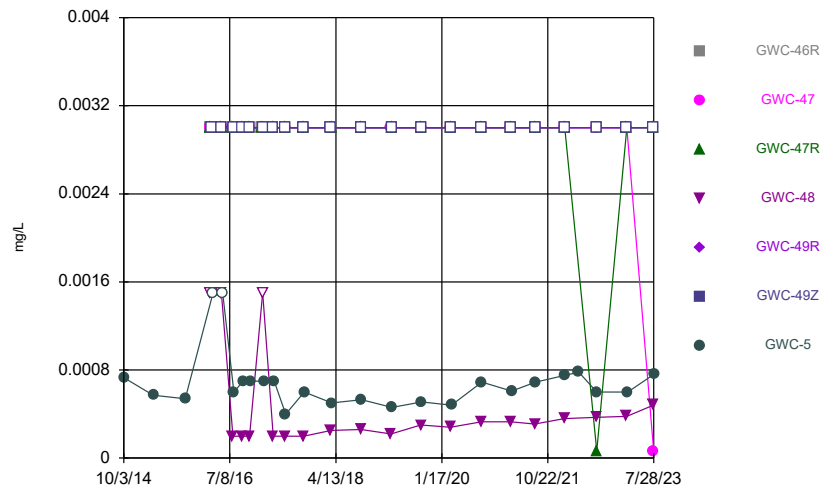
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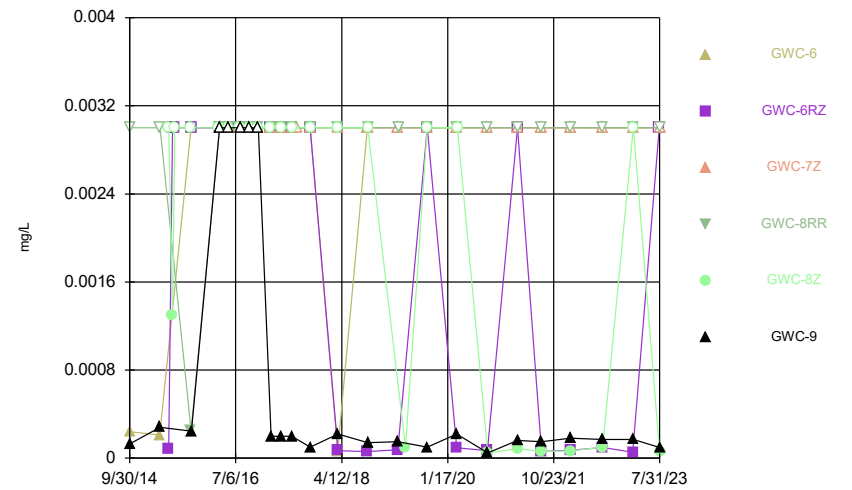
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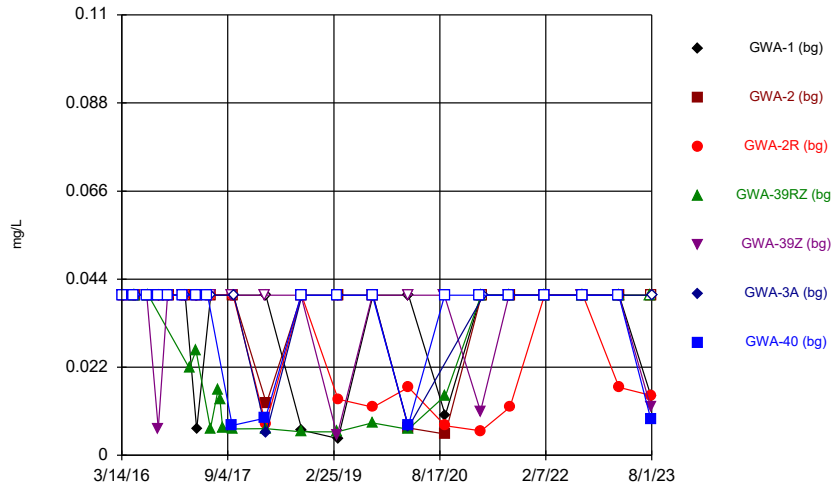
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Time Series



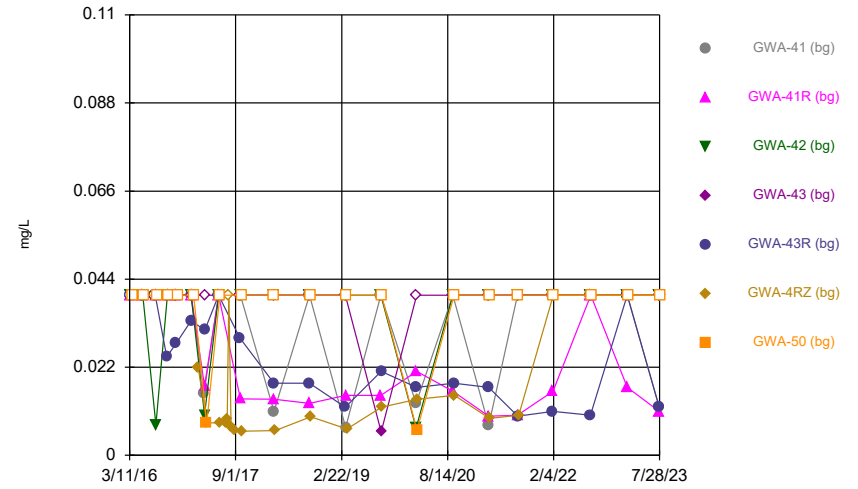
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Time Series



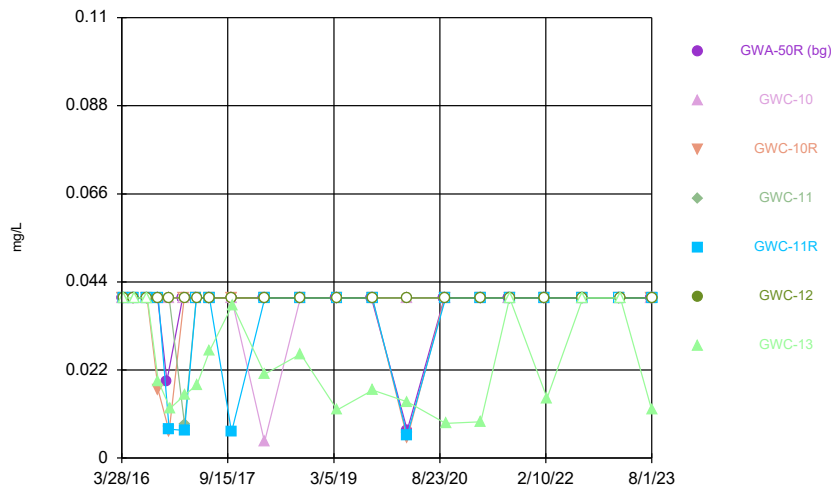
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Time Series



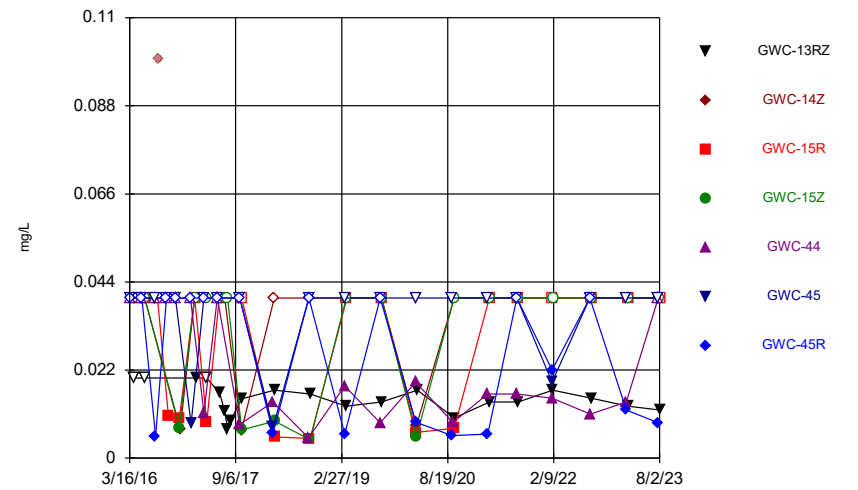
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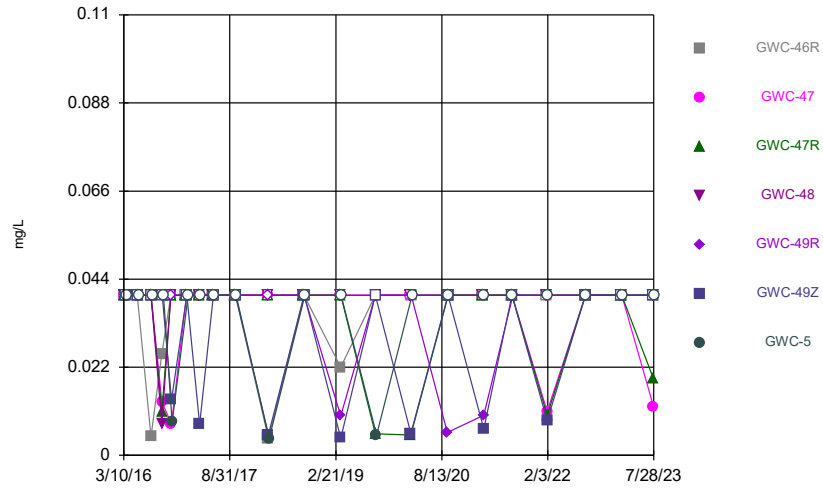
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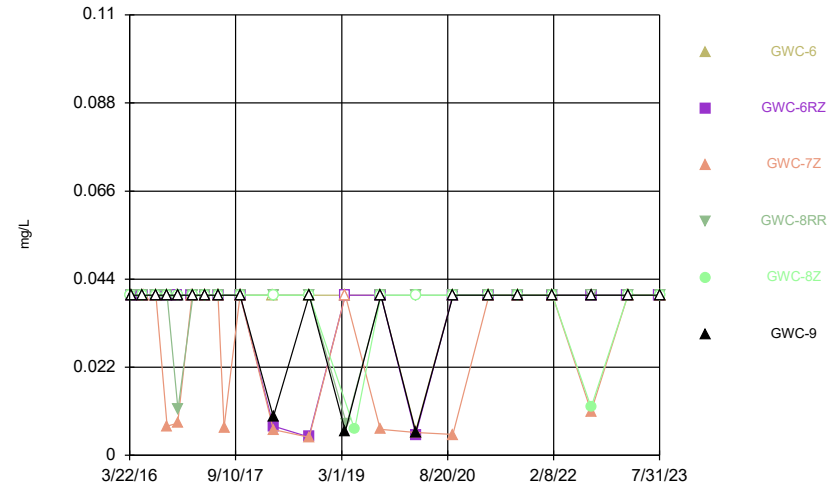
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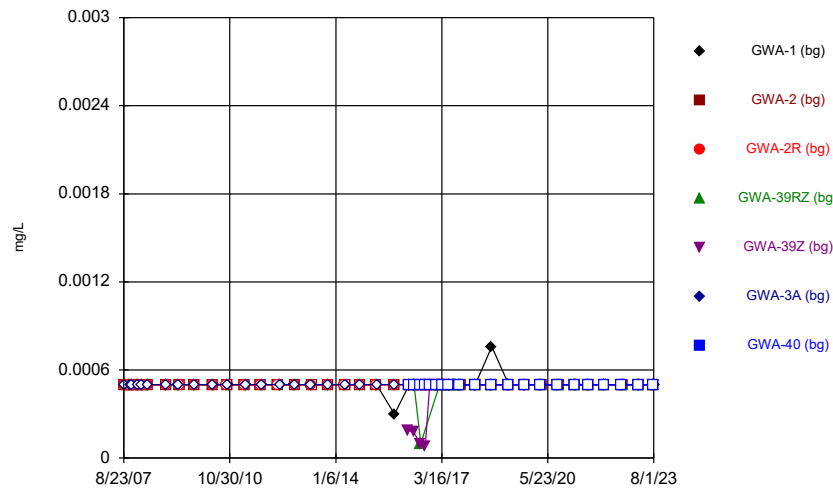
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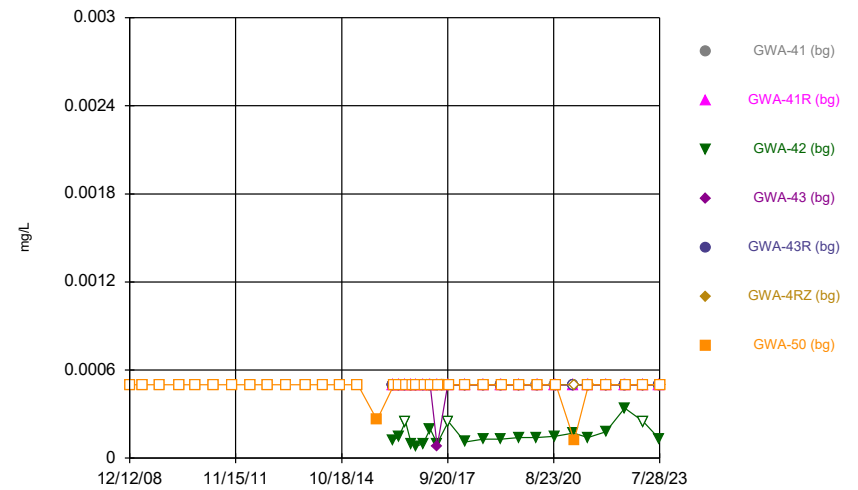
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Time Series



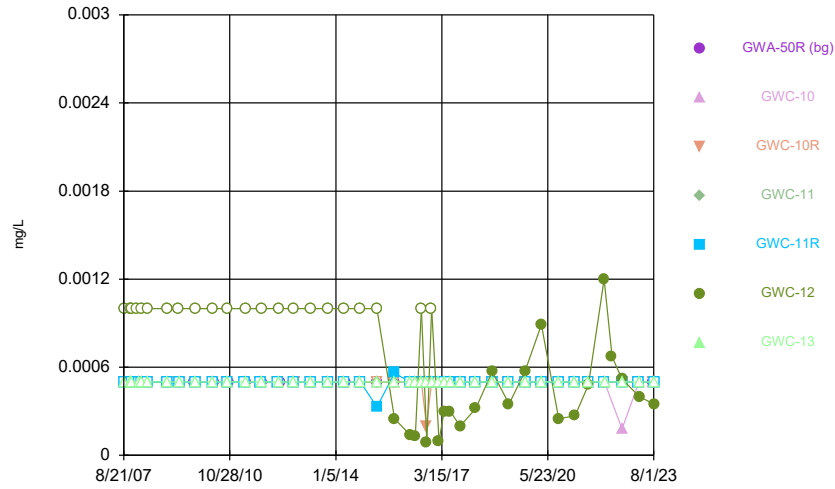
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Time Series



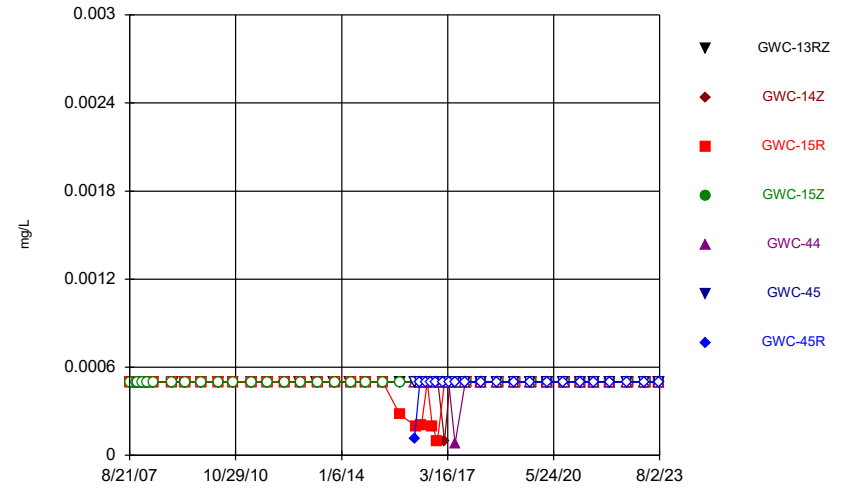
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Time Series



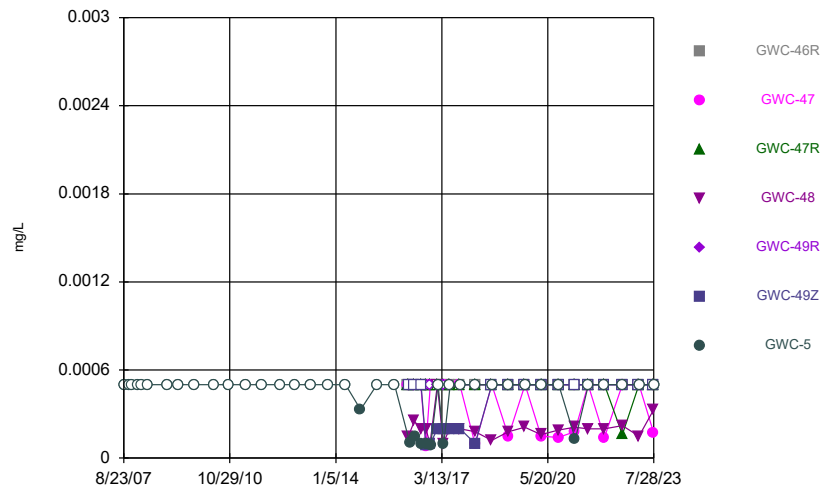
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Time Series



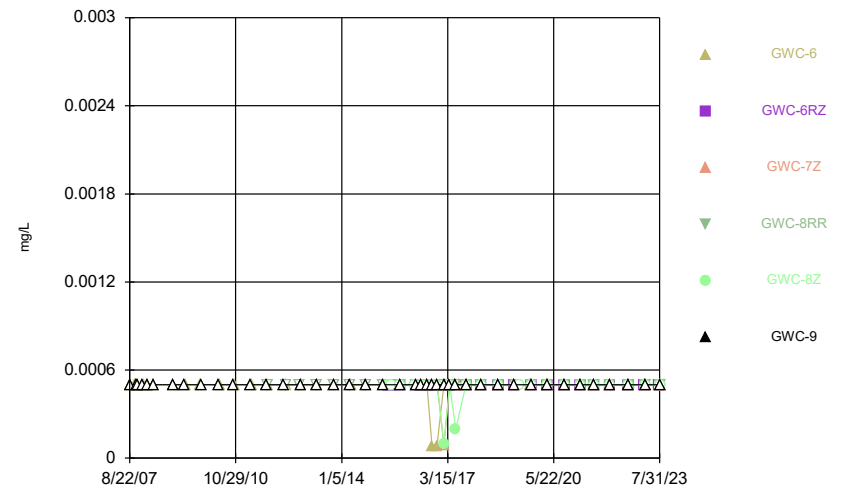
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Time Series



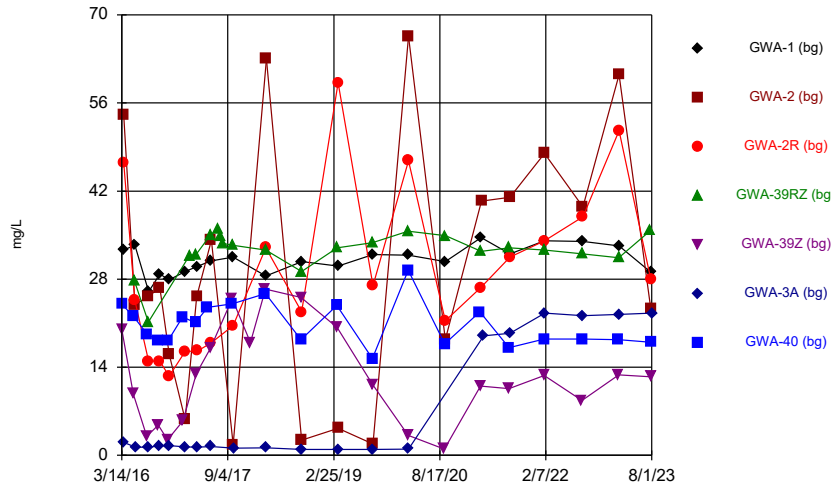
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Time Series



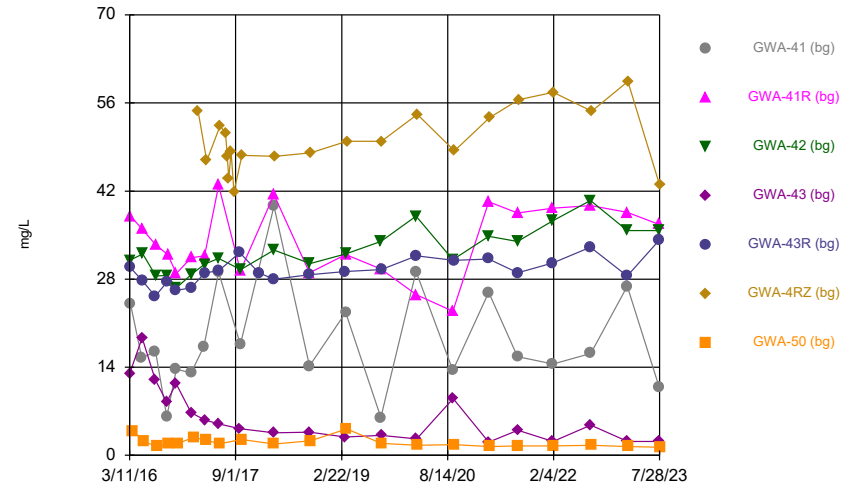
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Time Series



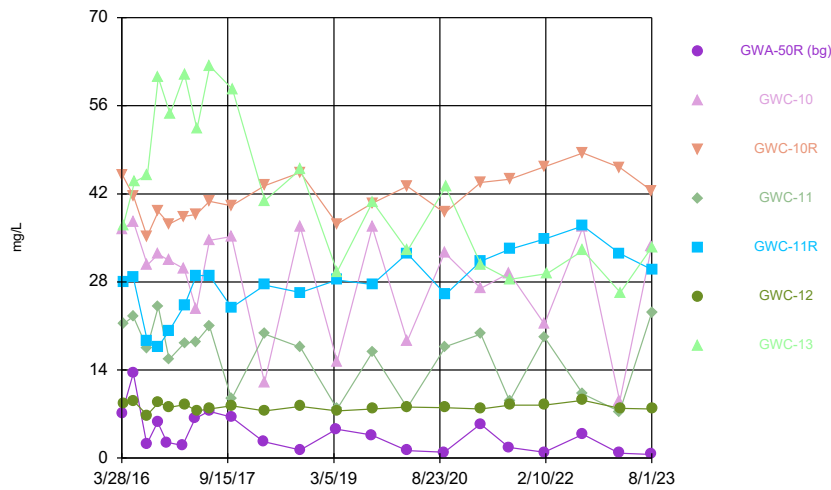
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Time Series



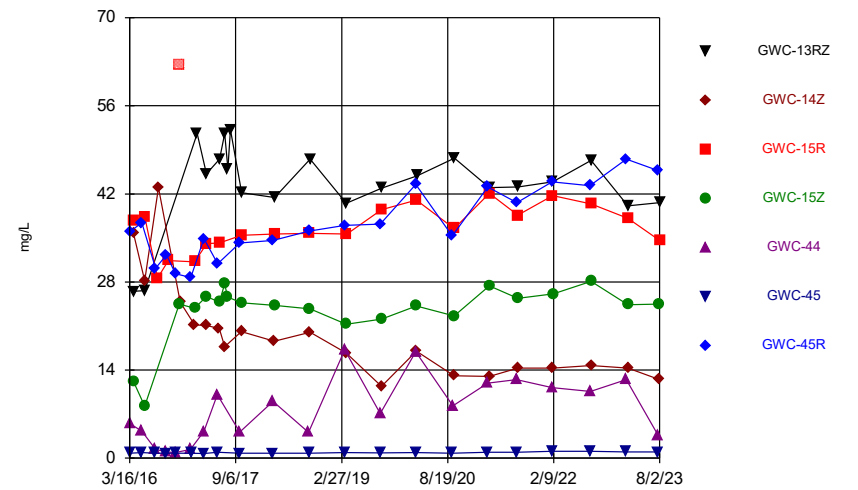
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Time Series



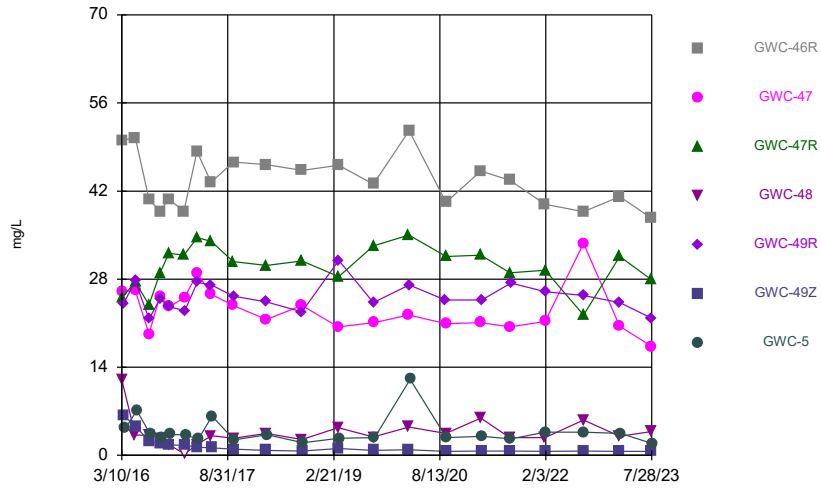
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Time Series



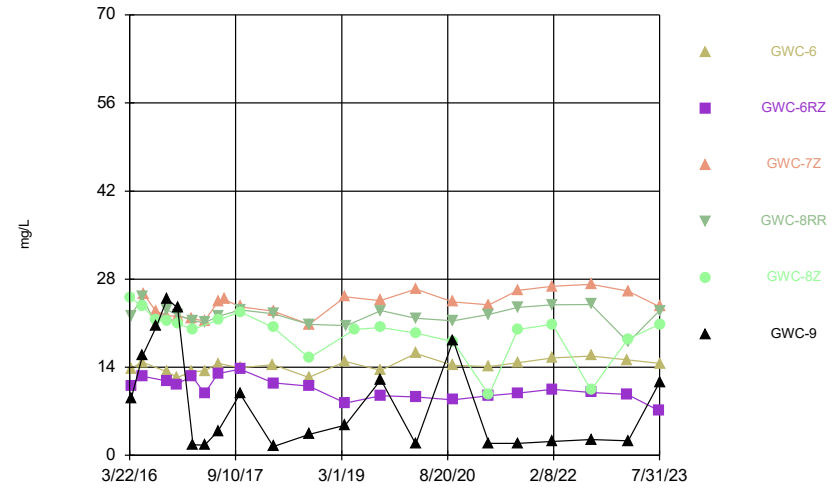
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Time Series



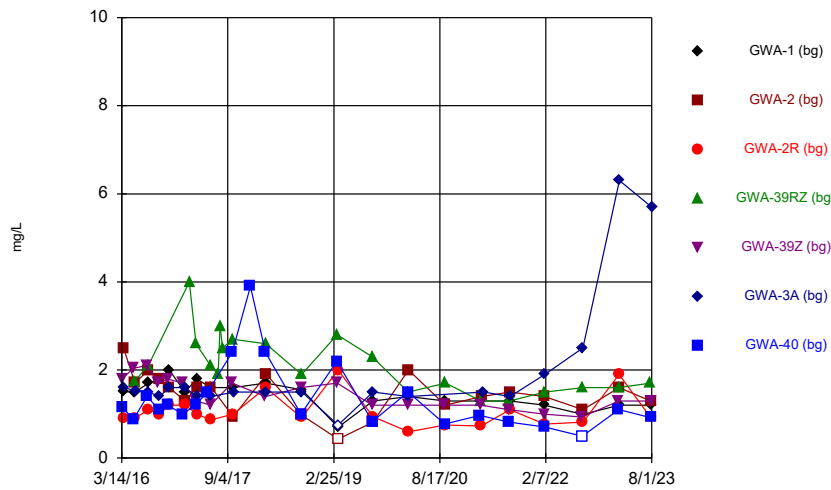
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Time Series



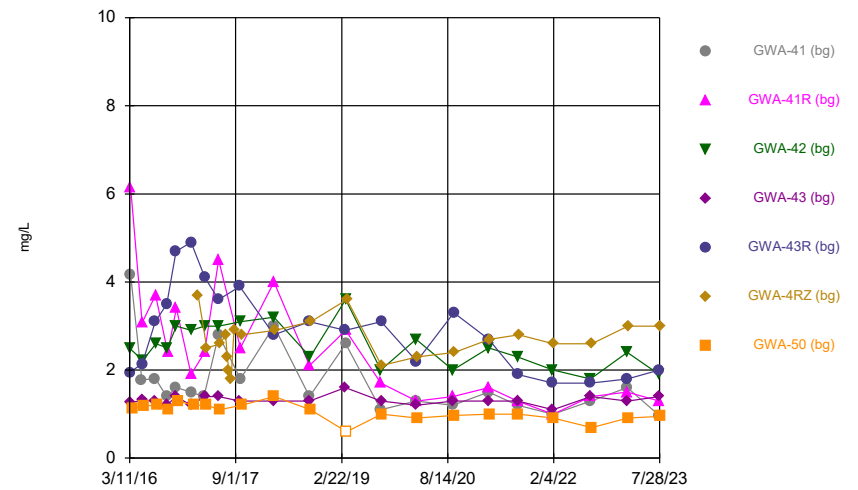
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Time Series



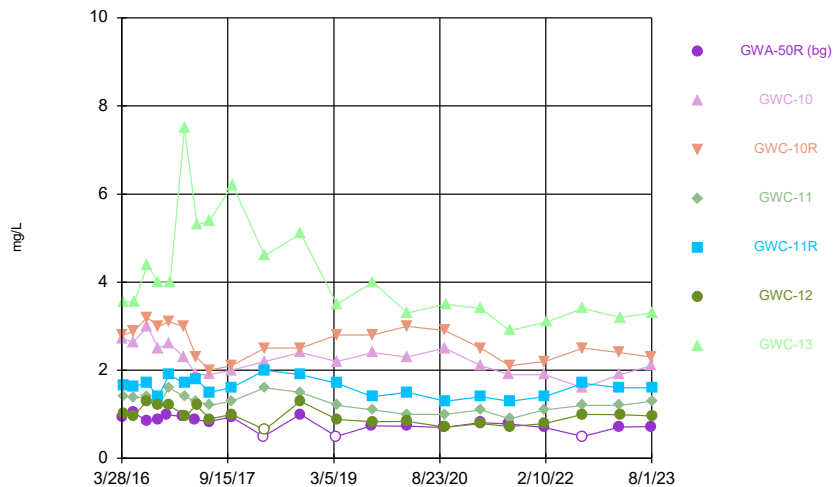
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Time Series



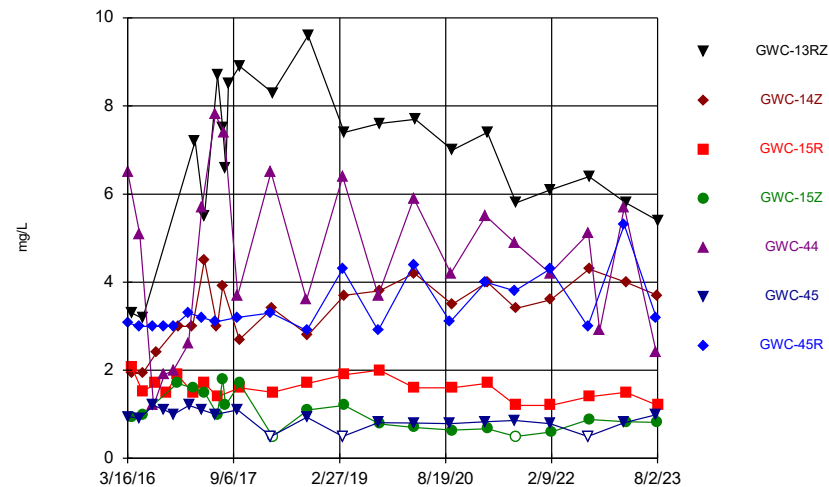
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Time Series



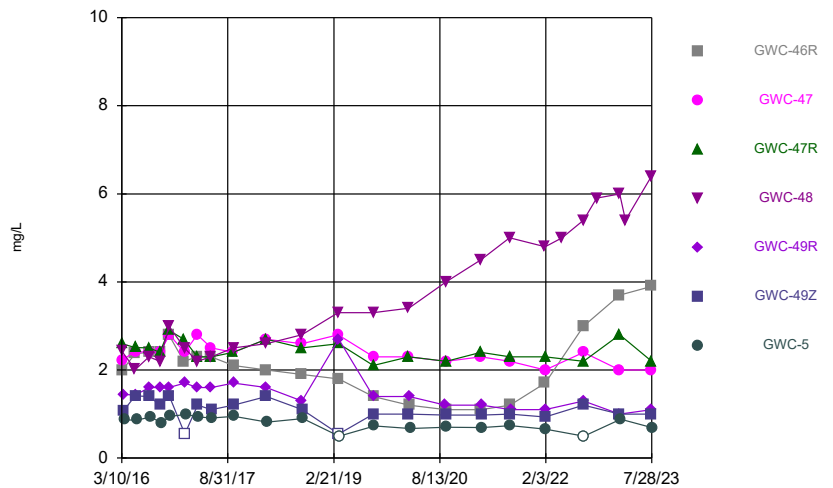
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Time Series



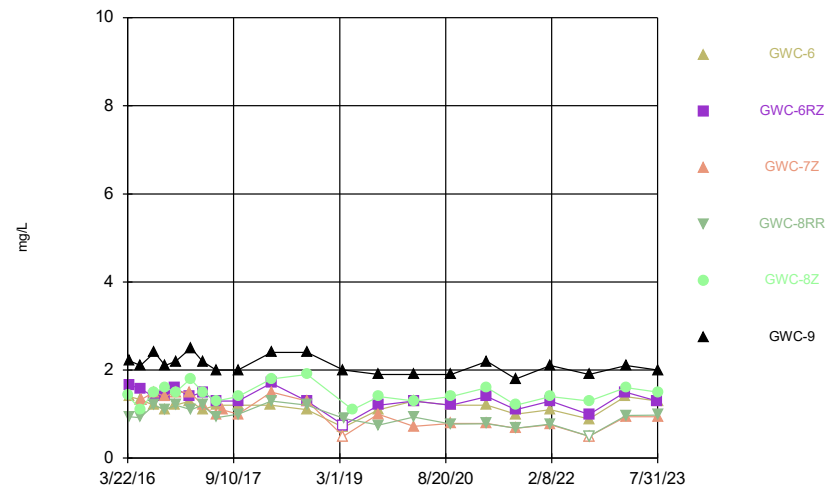
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Time Series



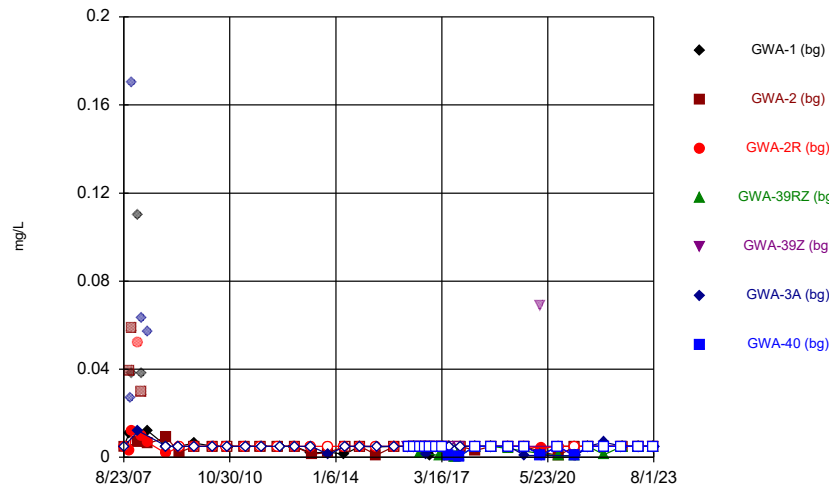
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Time Series



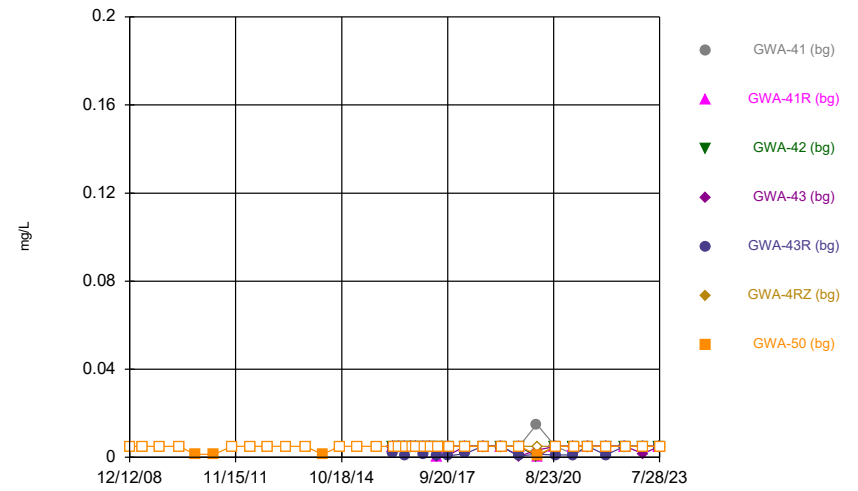
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



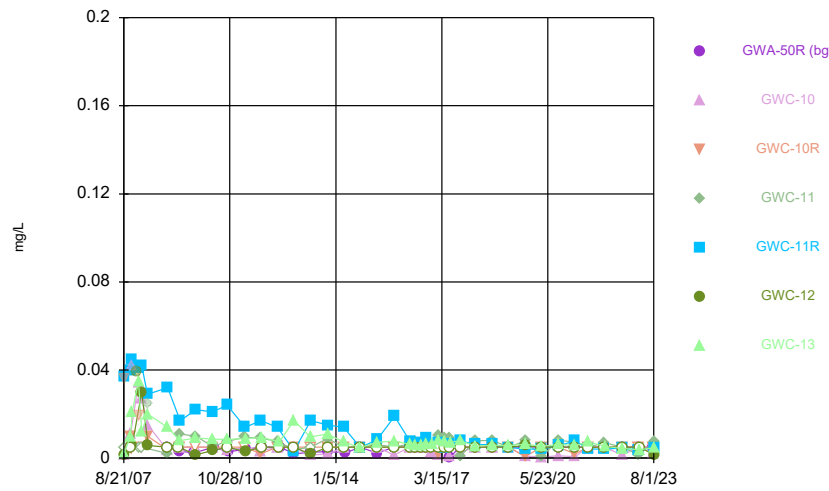
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Time Series



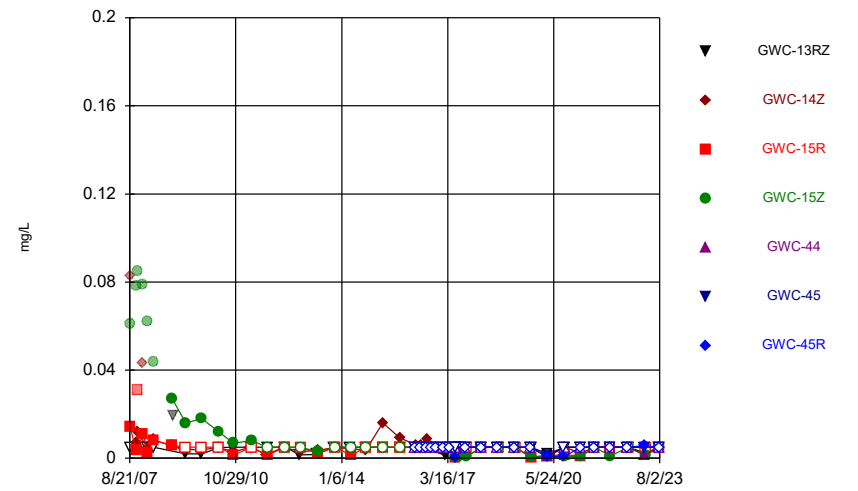
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Time Series



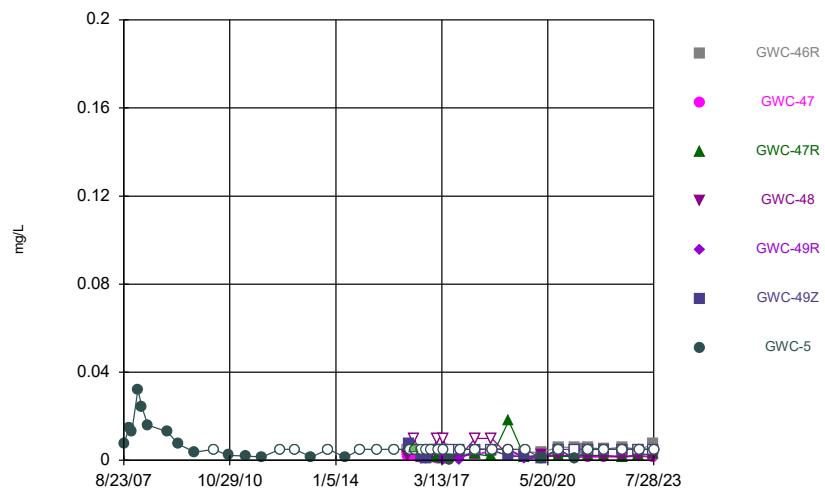
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Time Series



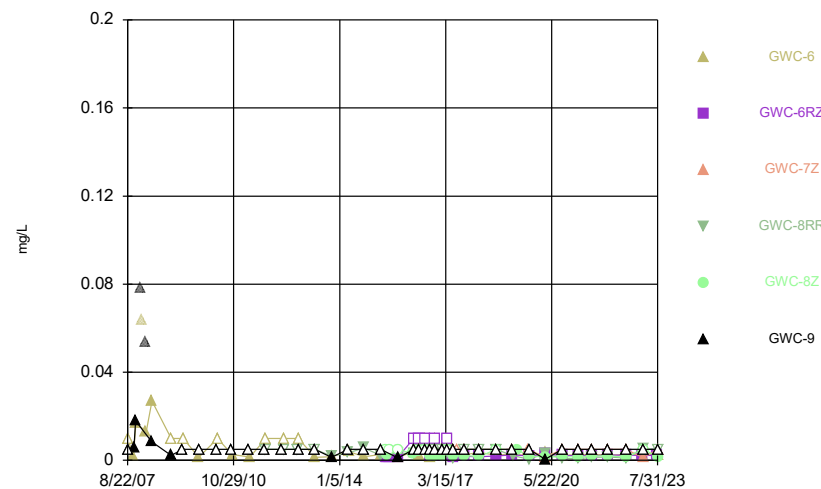
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Time Series



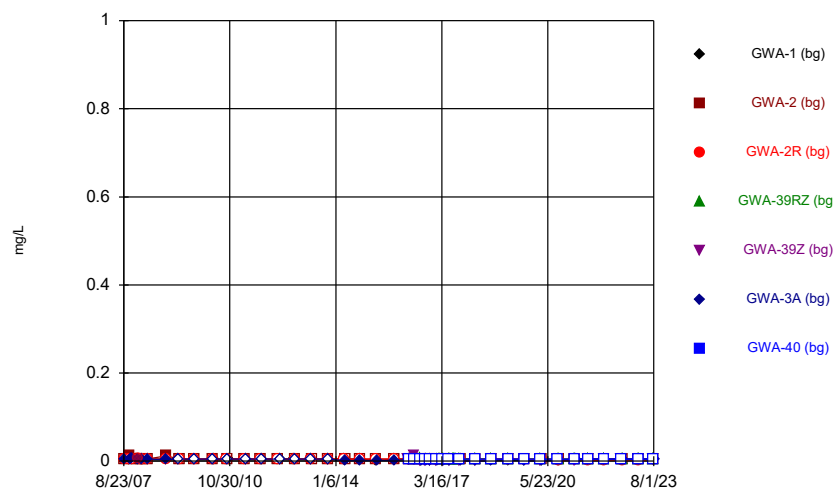
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Time Series



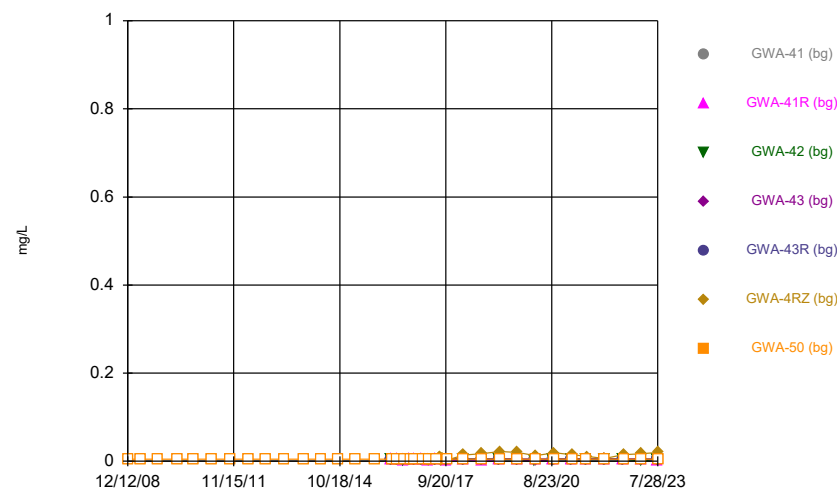
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Time Series



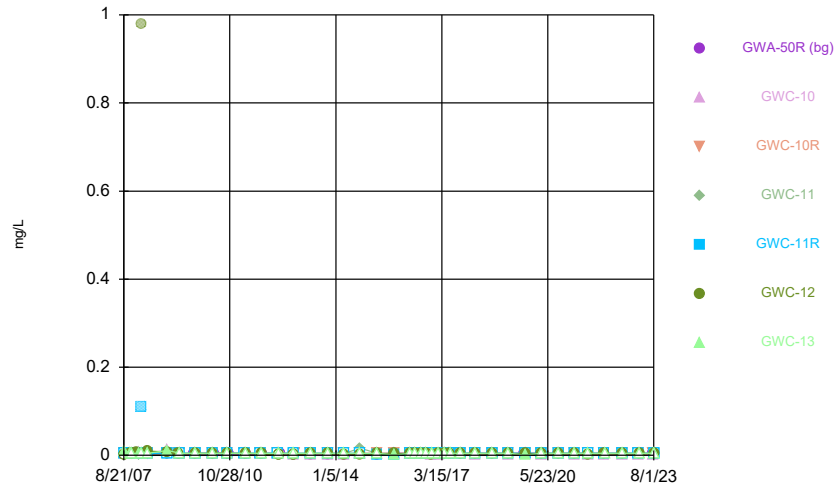
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Time Series



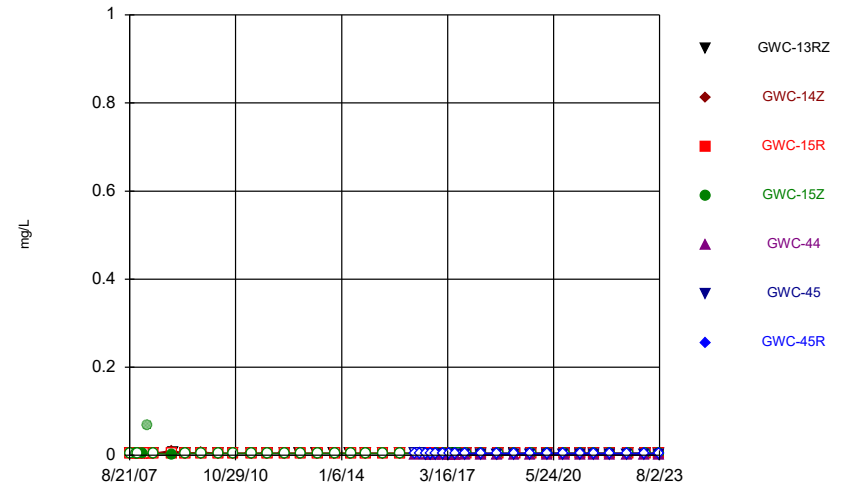
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Time Series



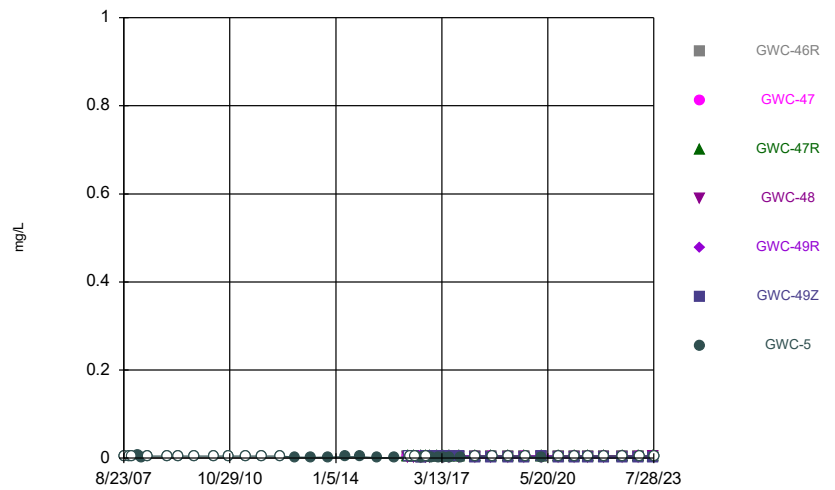
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Time Series



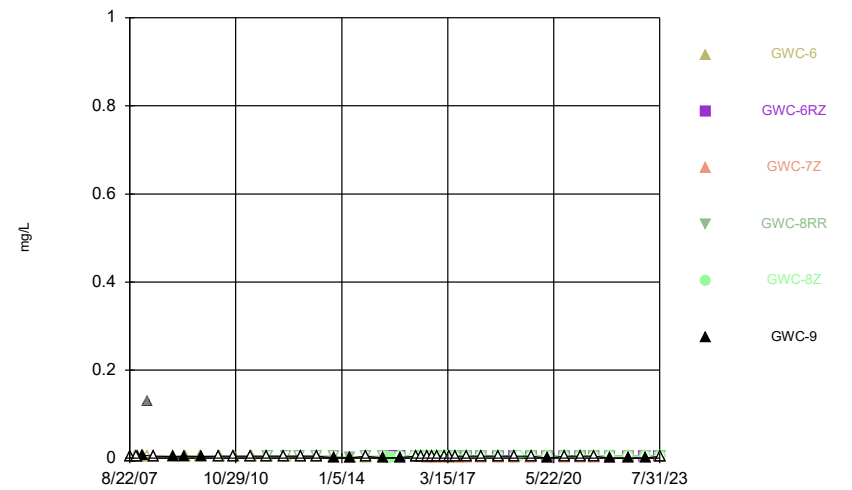
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Time Series



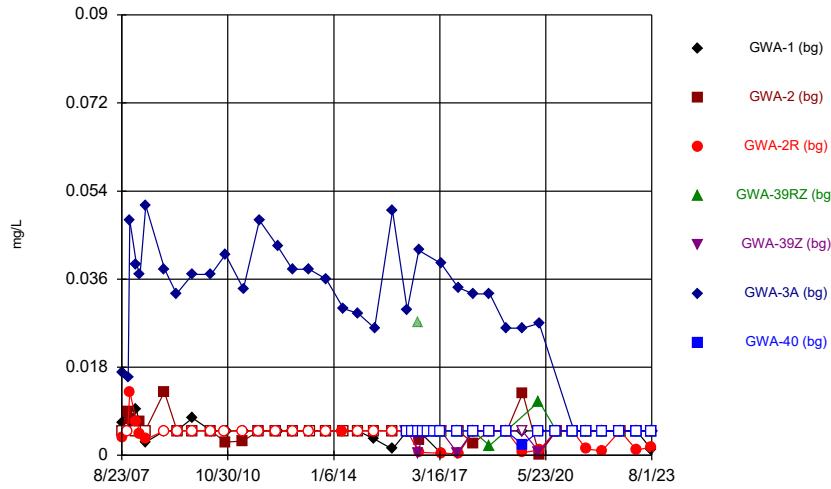
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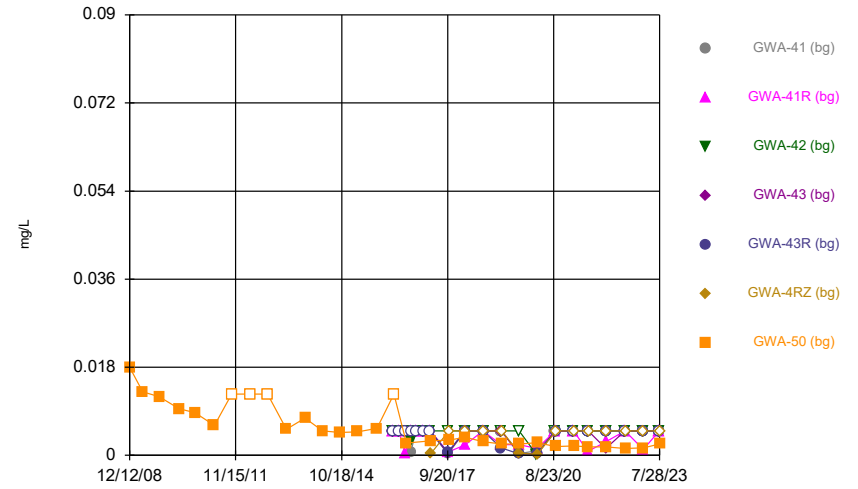
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Time Series



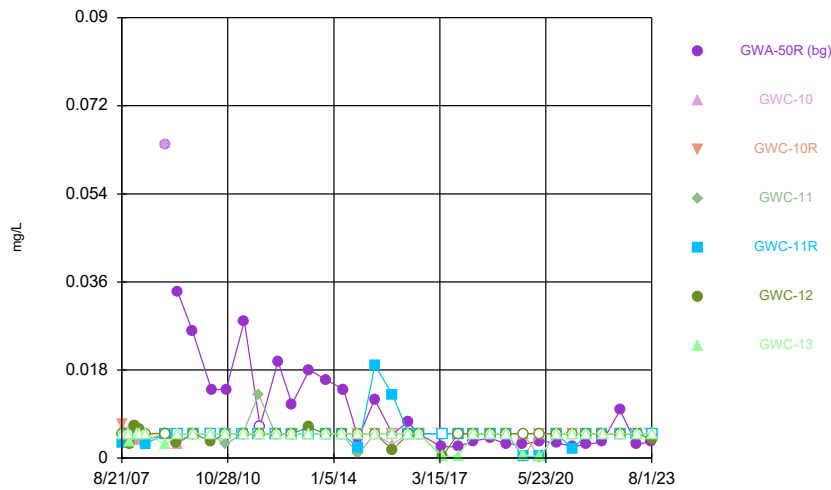
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Time Series



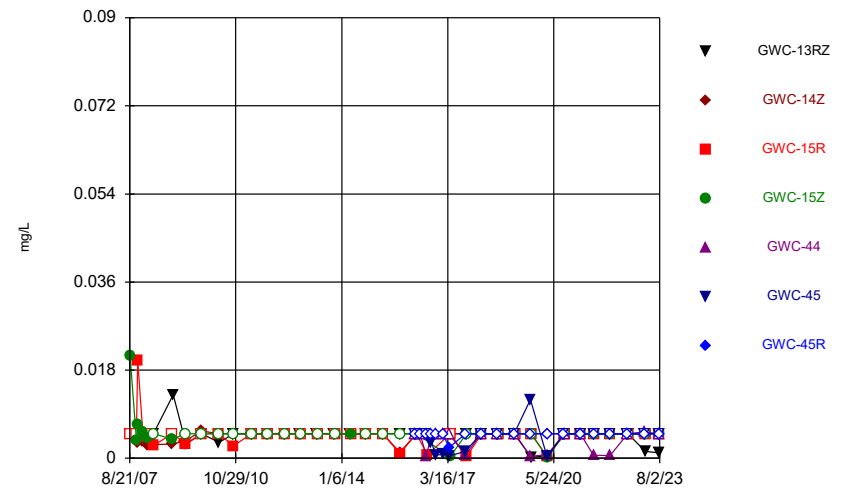
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Time Series



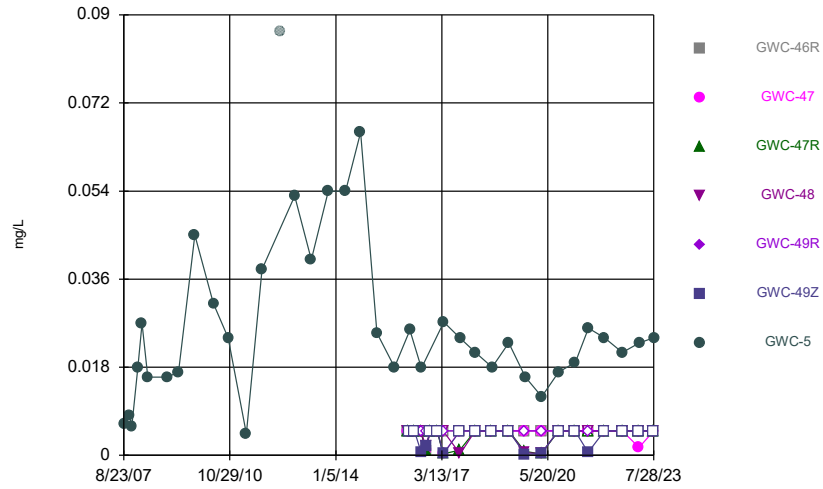
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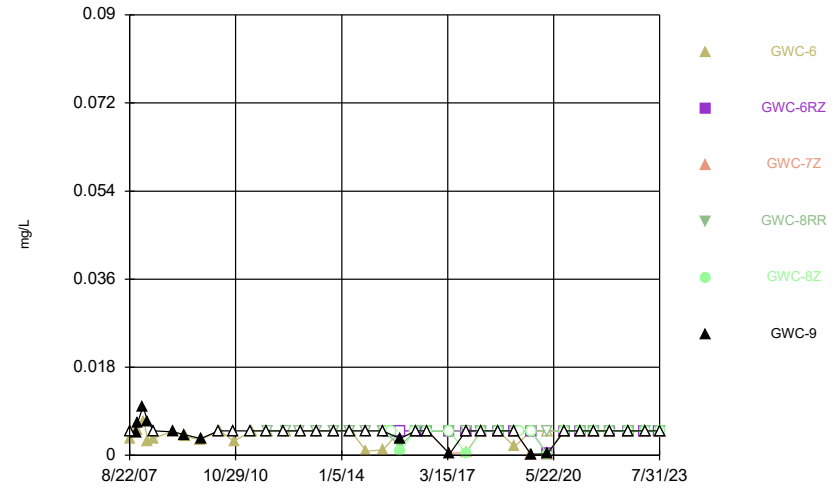
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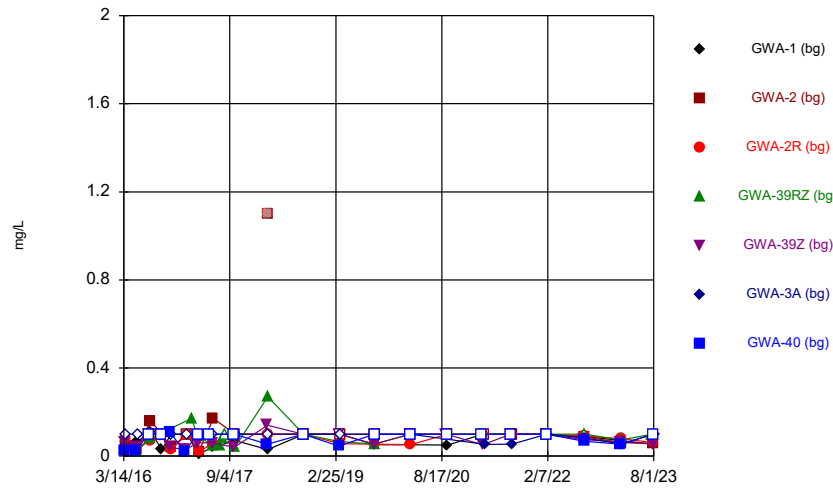
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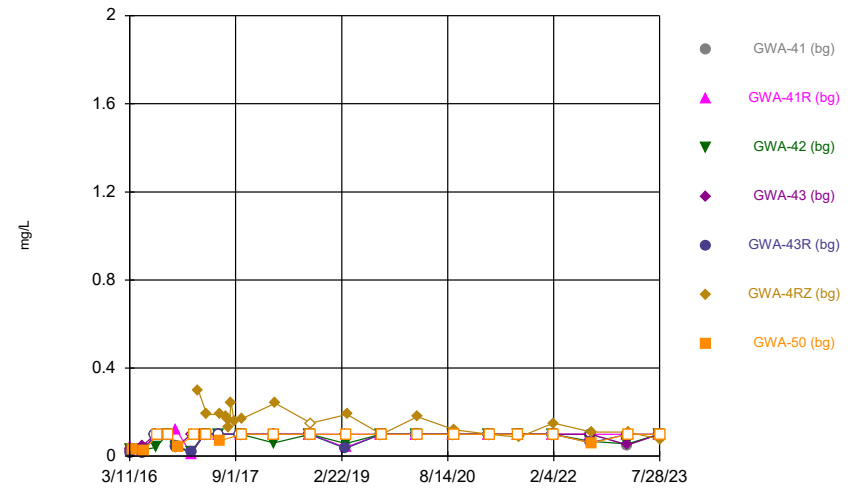
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Time Series



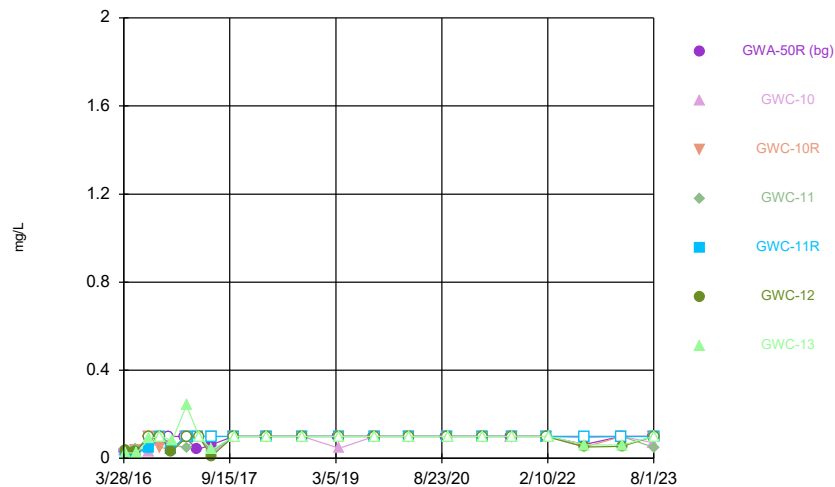
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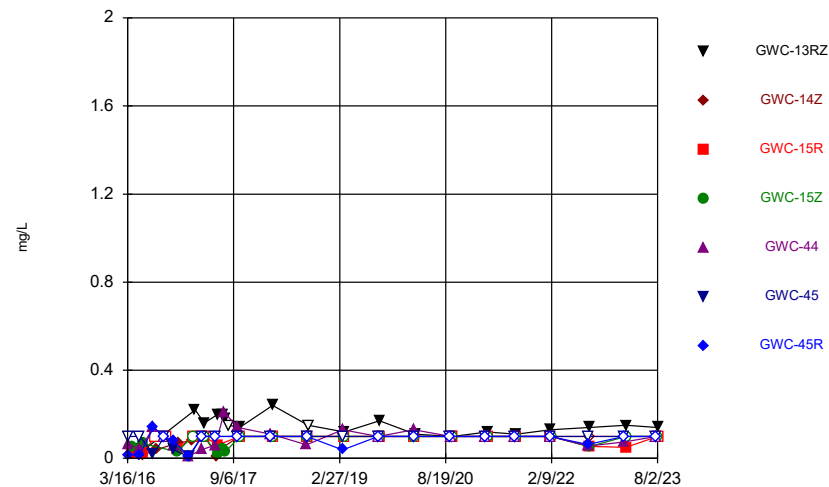
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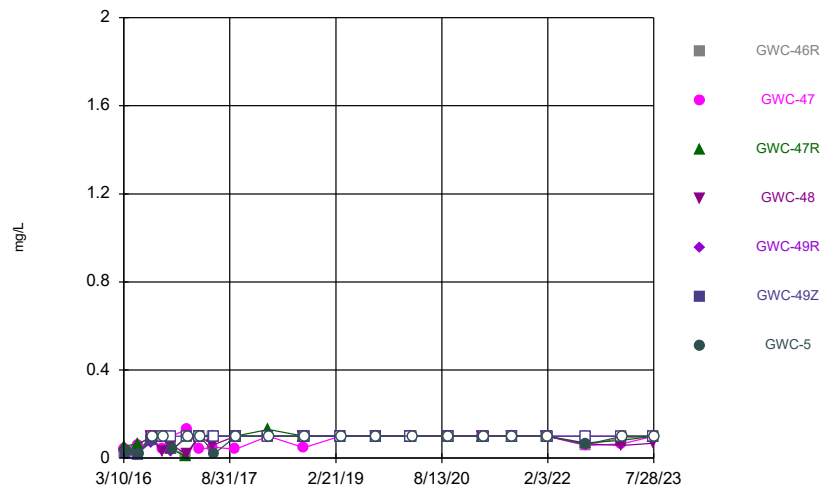
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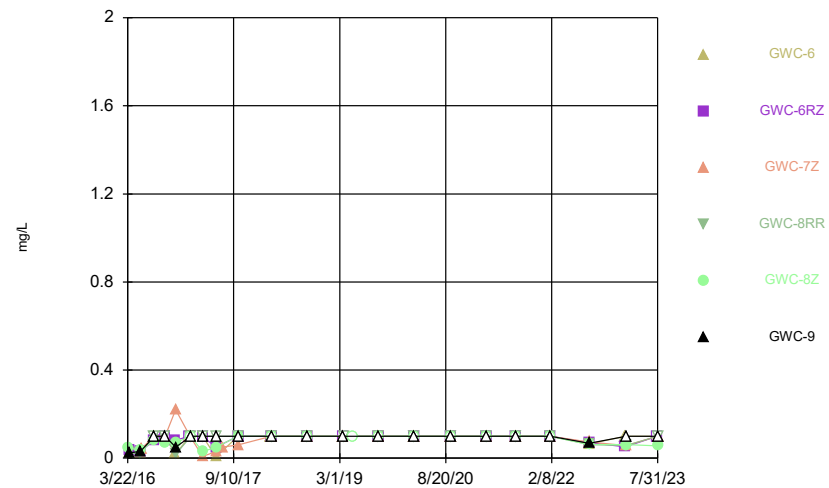
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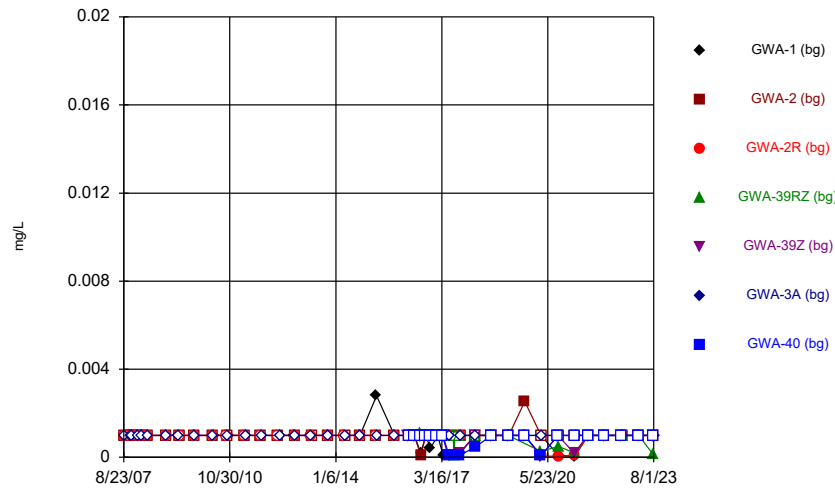
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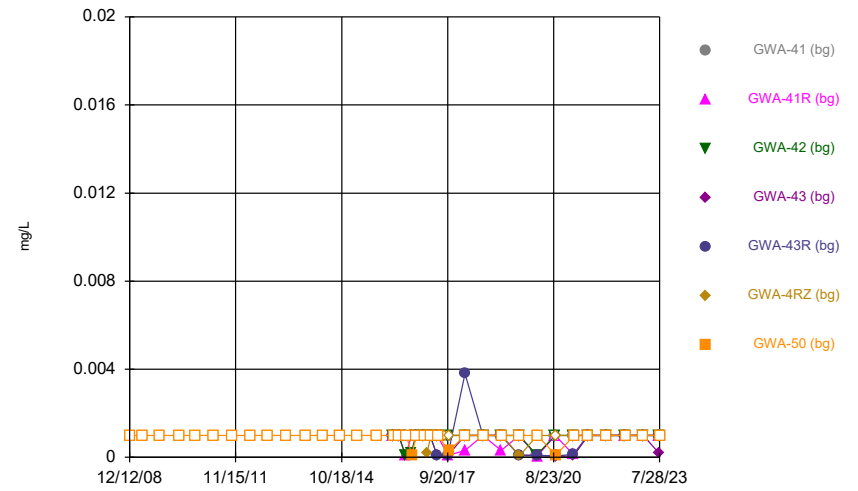
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Time Series



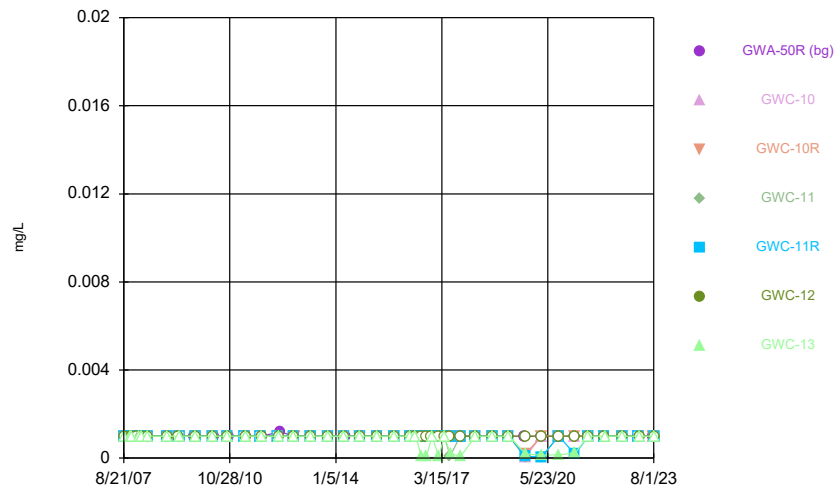
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Time Series



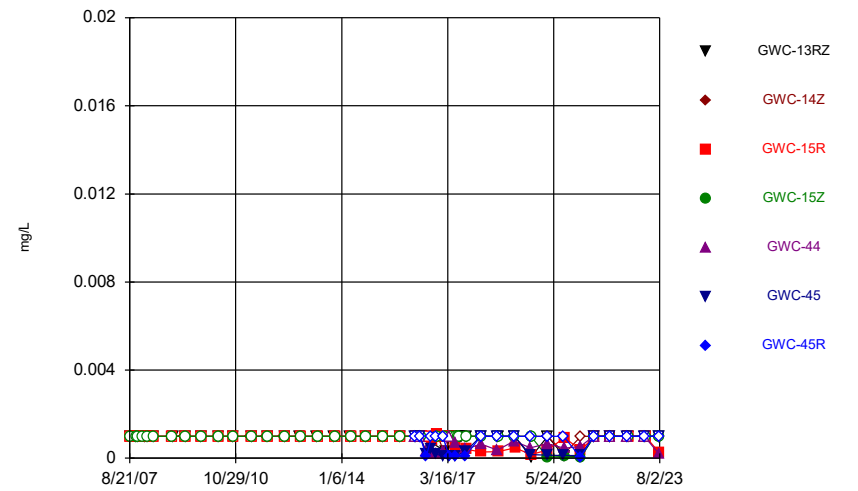
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Time Series



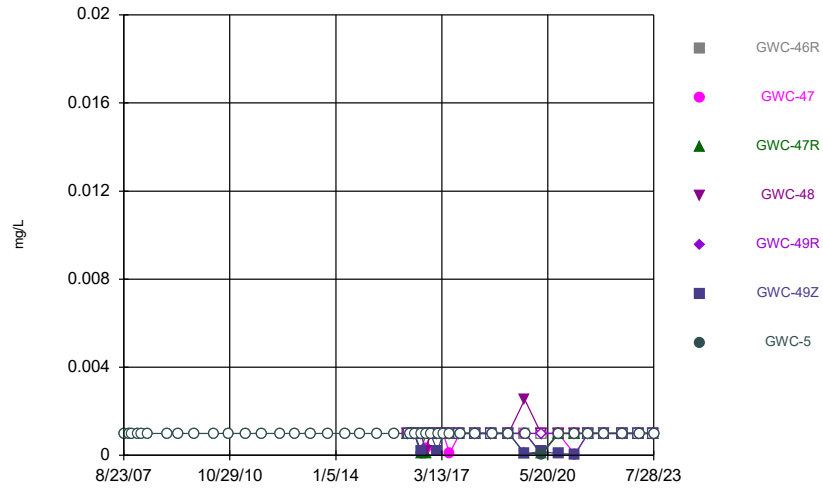
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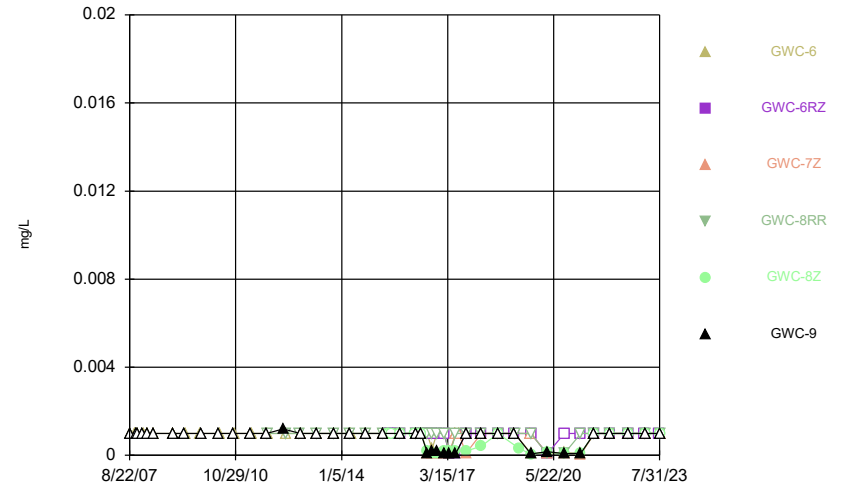
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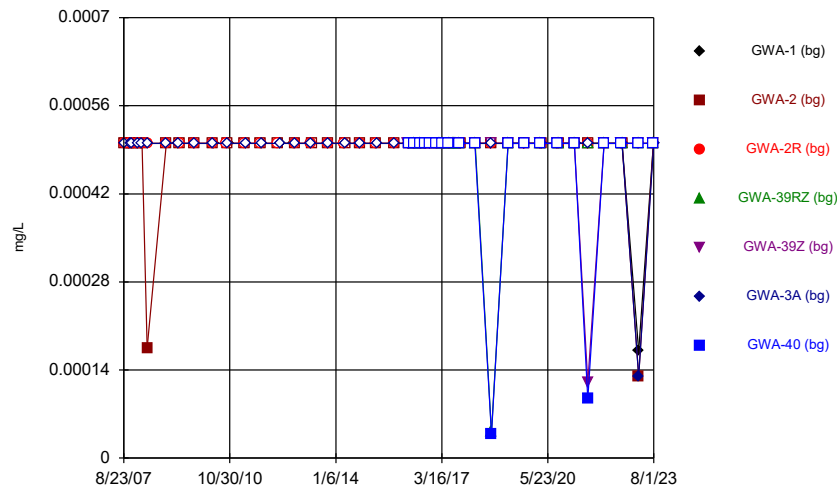
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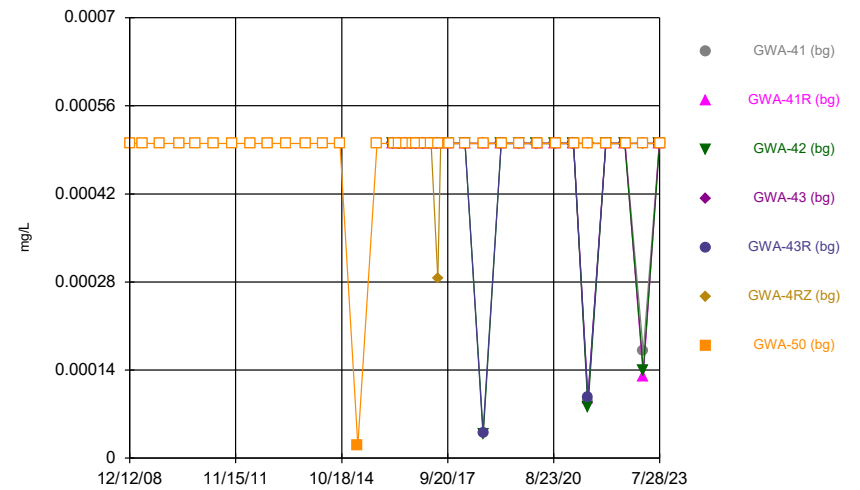
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Time Series



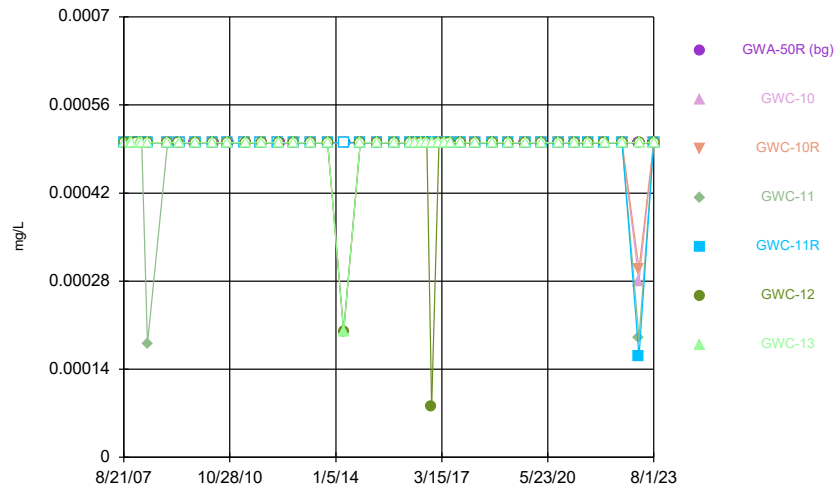
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Time Series



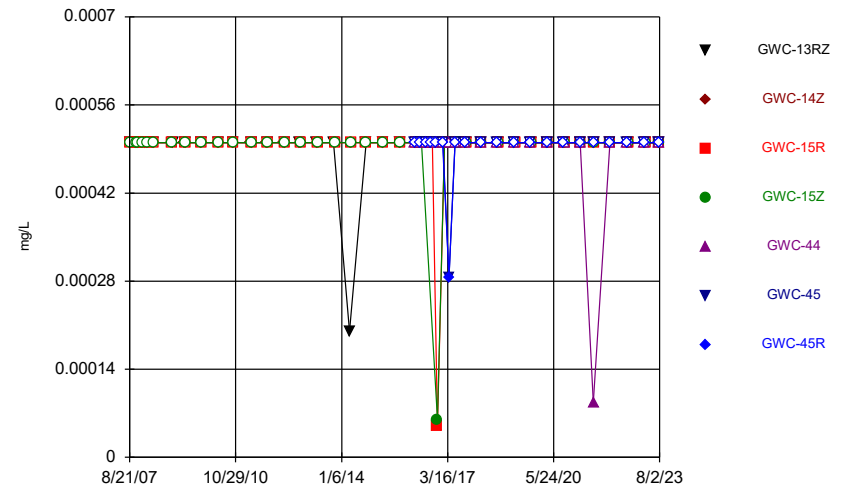
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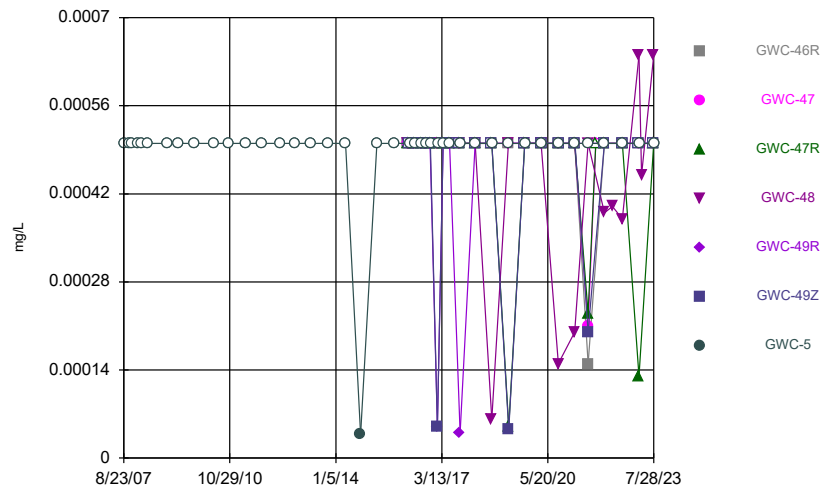
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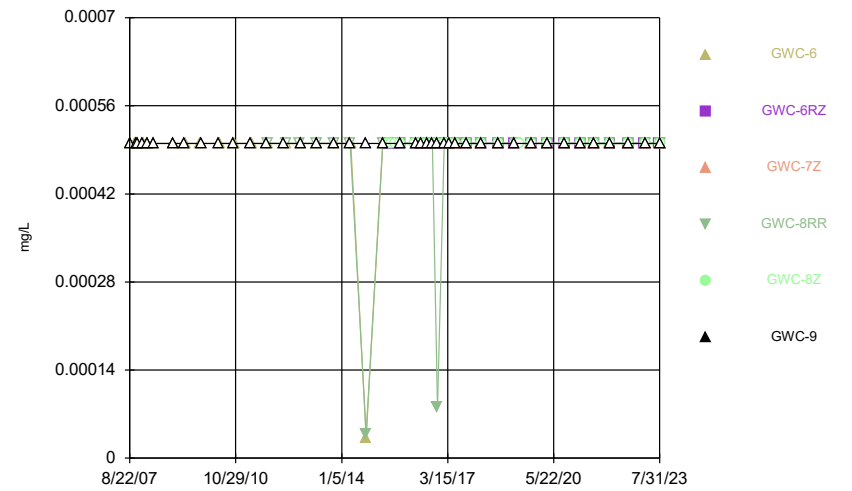
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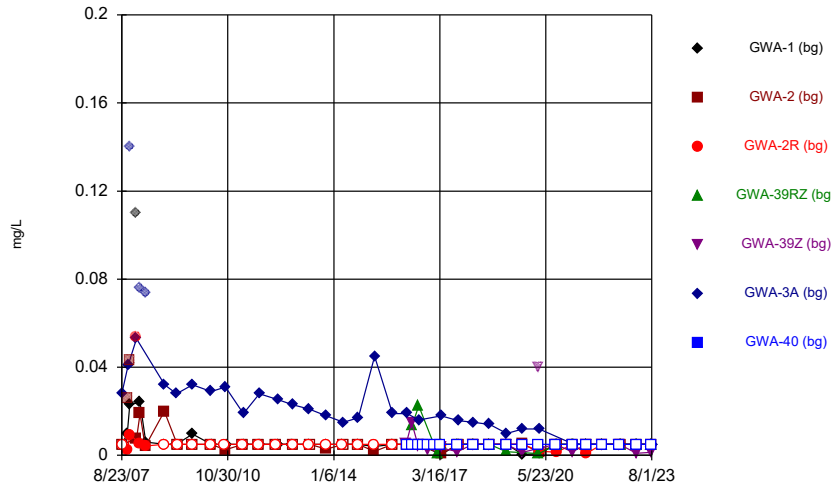
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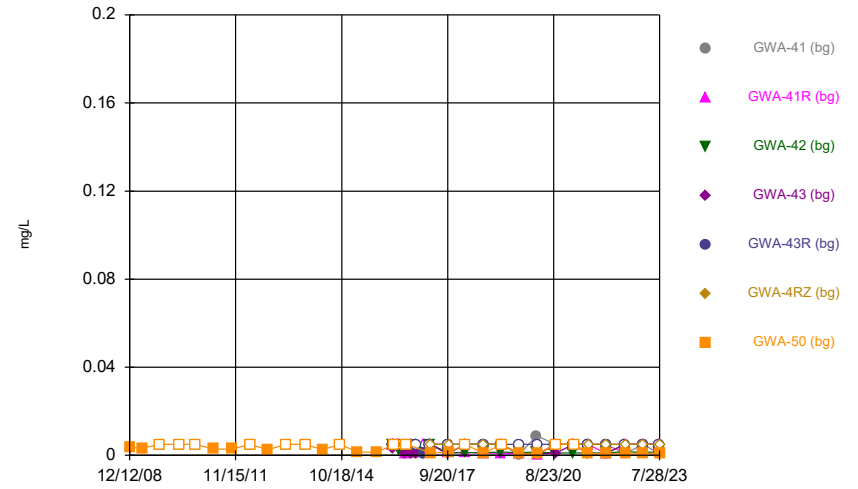
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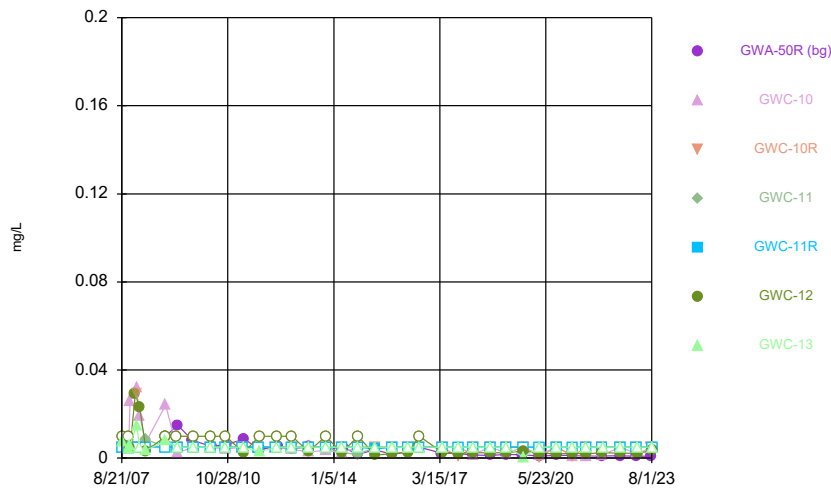
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Time Series



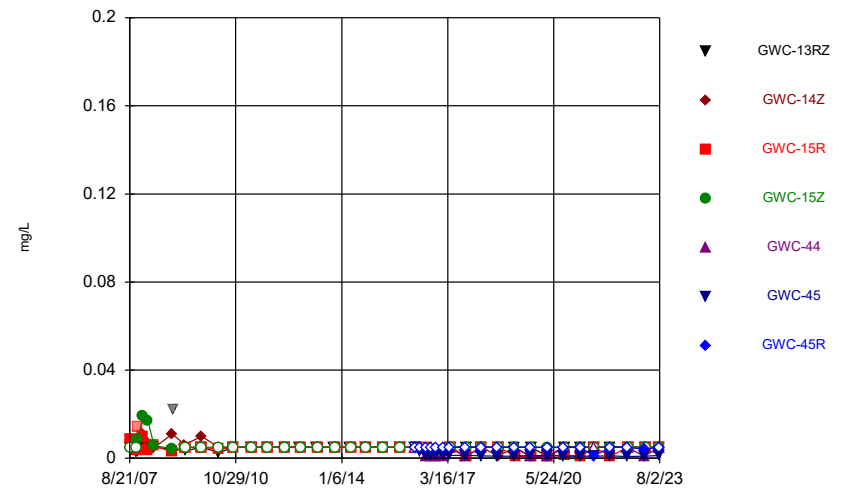
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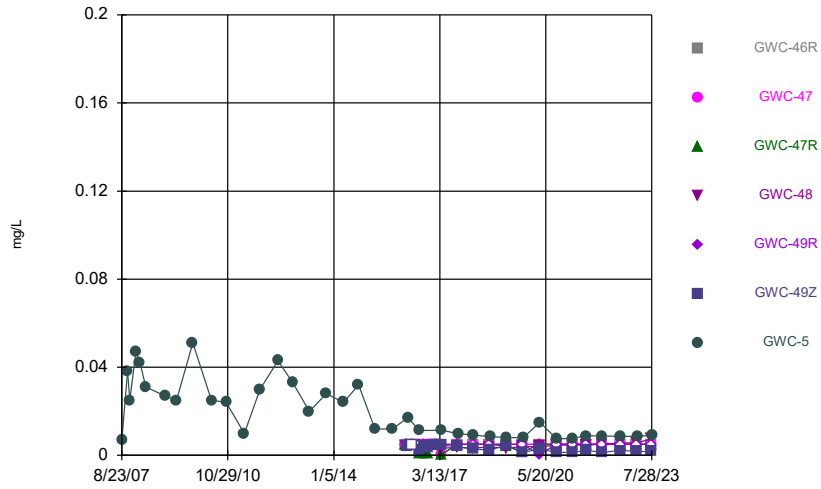
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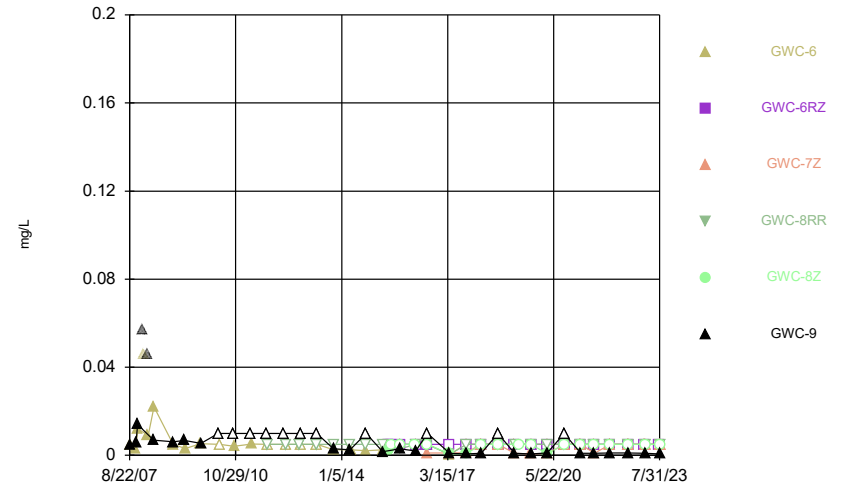
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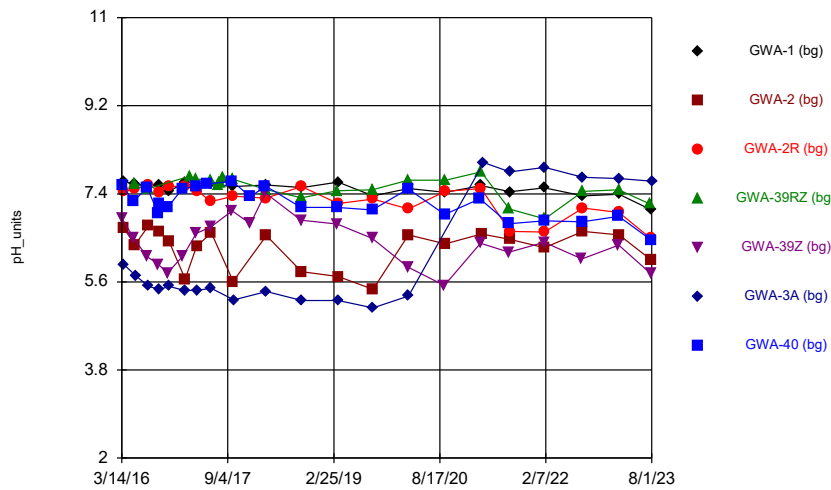
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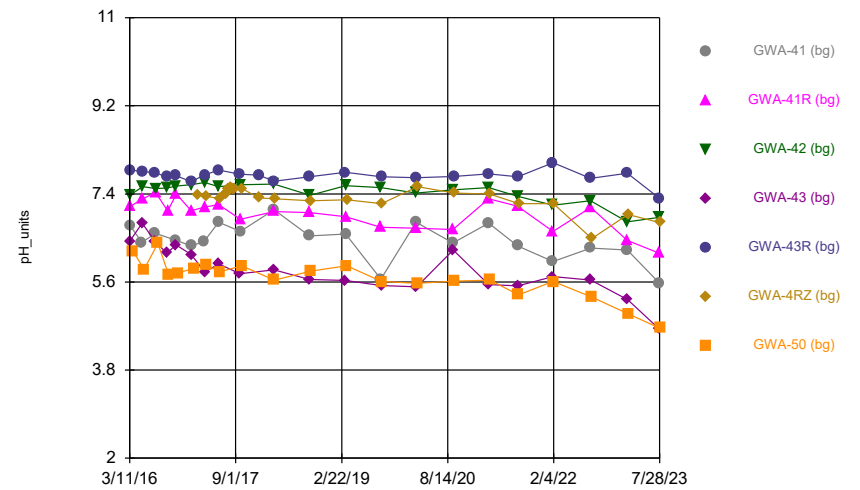
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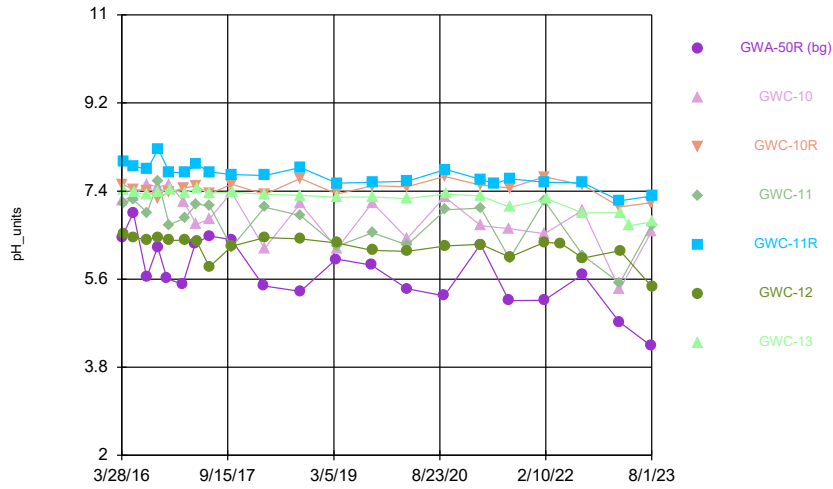
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Time Series



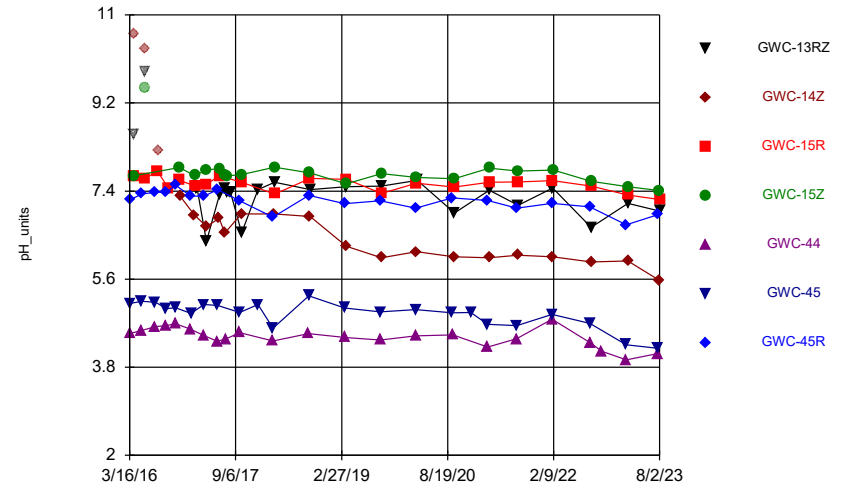
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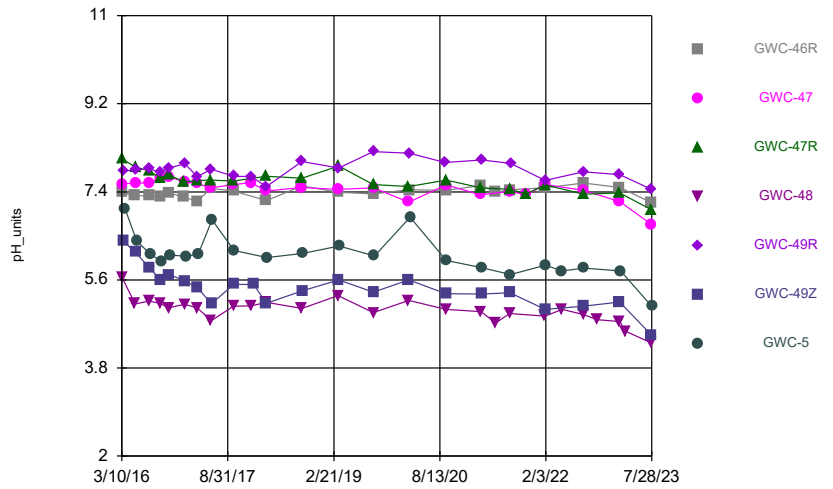
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



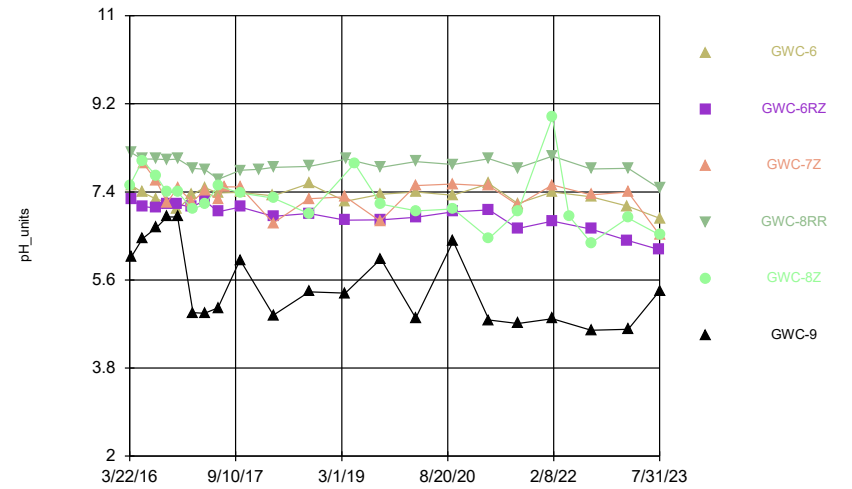
Constituent: pH Analysis Run 9/14/2023 11:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



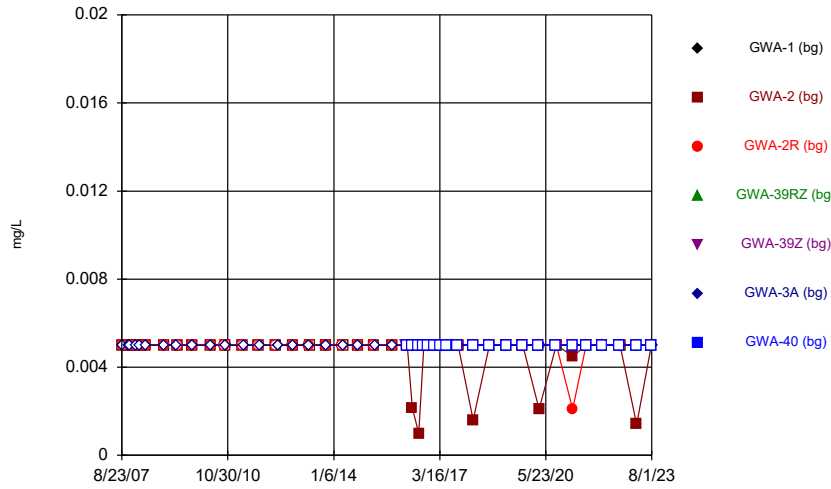
Constituent: pH Analysis Run 9/14/2023 11:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



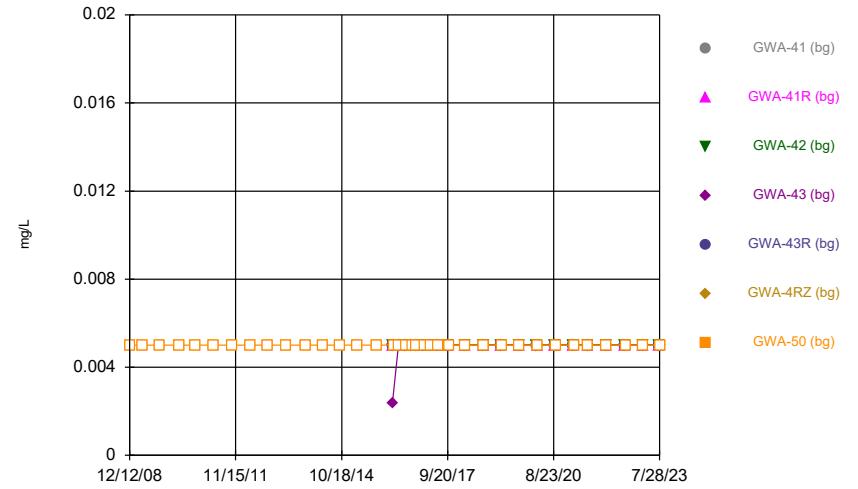
Constituent: pH Analysis Run 9/14/2023 11:54 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



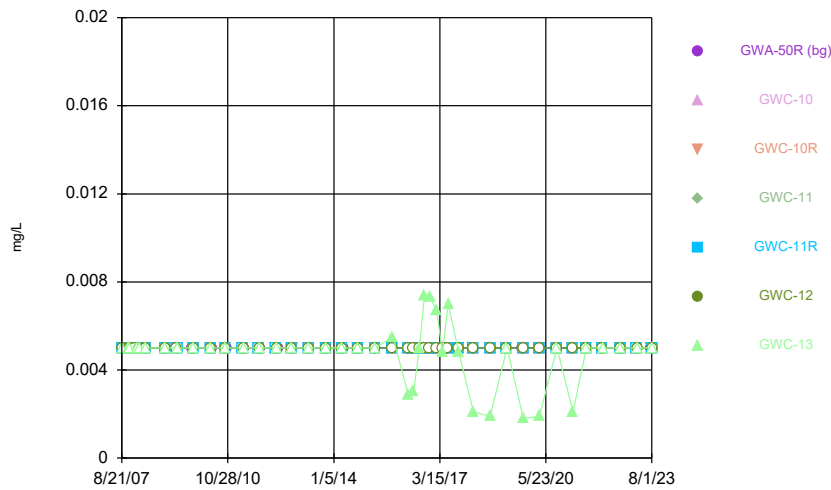
Constituent: Selenium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



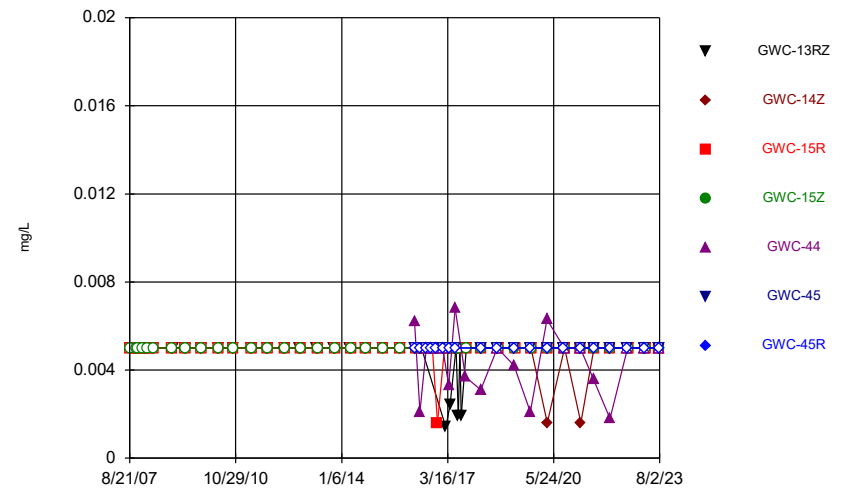
Constituent: Selenium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



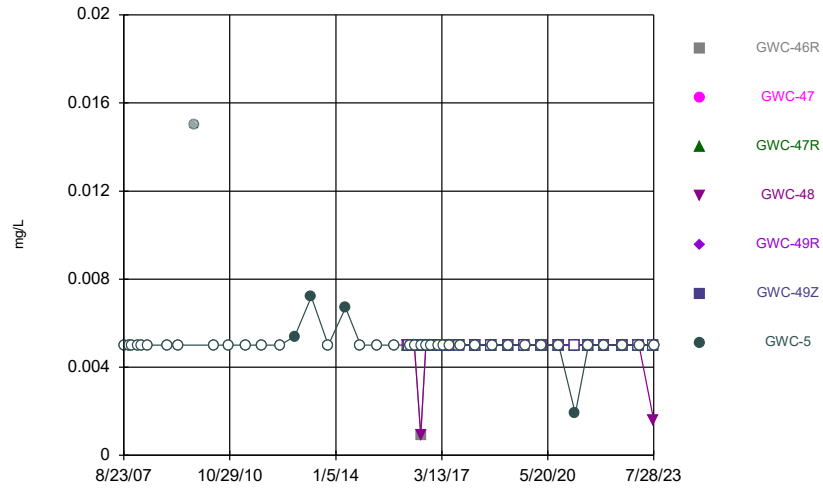
Constituent: Selenium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



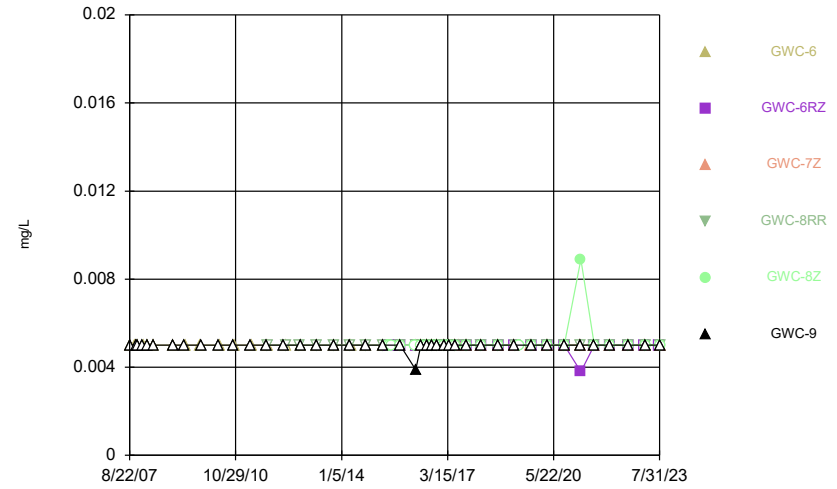
Constituent: Selenium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



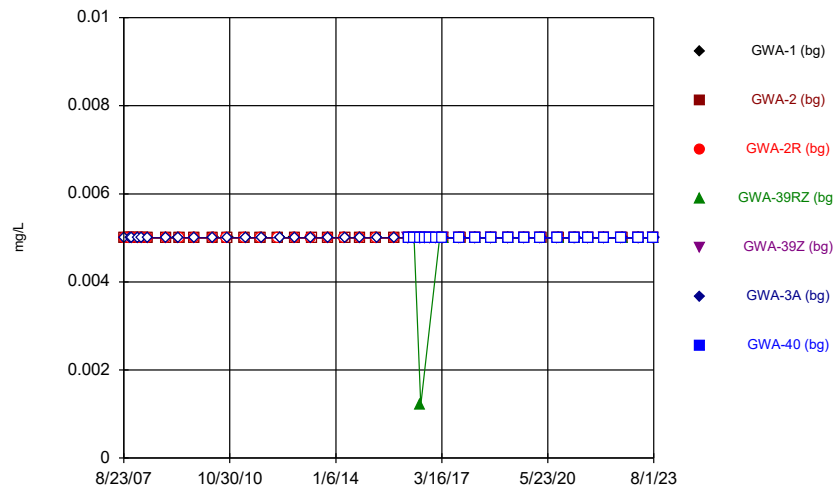
Constituent: Selenium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



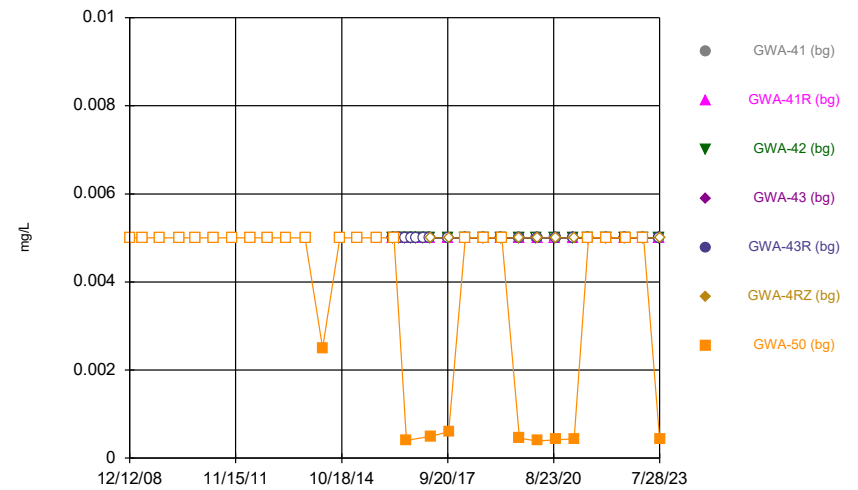
Constituent: Selenium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



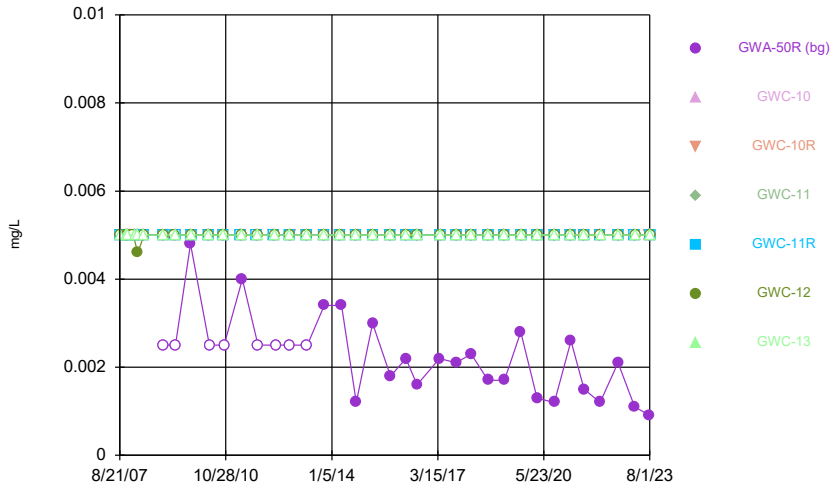
Constituent: Silver Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



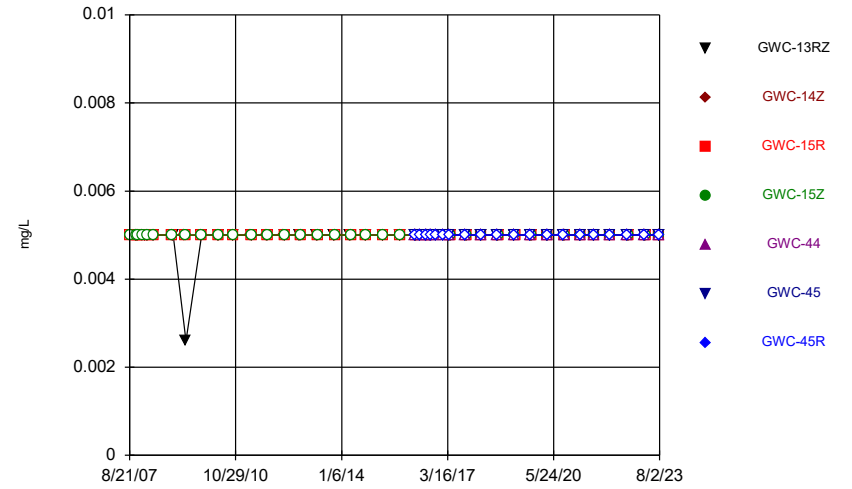
Constituent: Silver Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



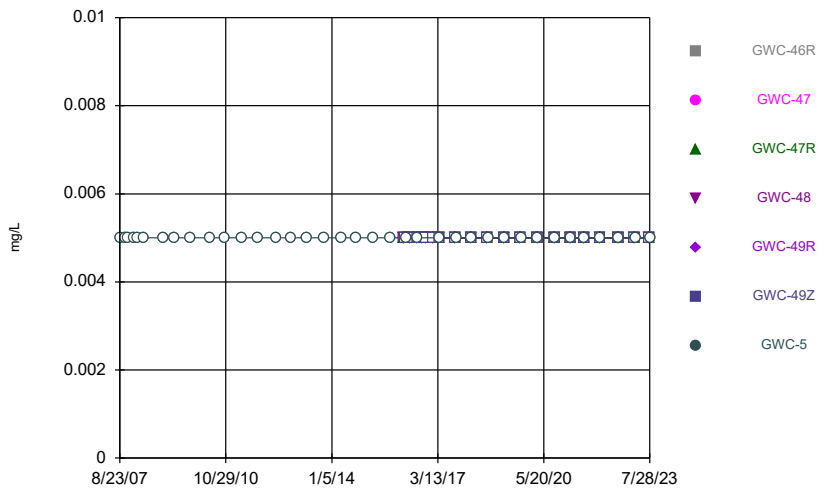
Constituent: Silver Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



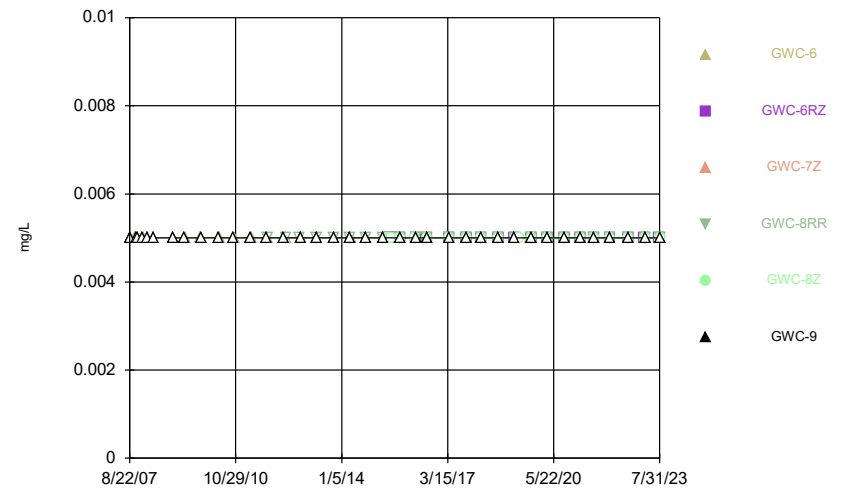
Constituent: Silver Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



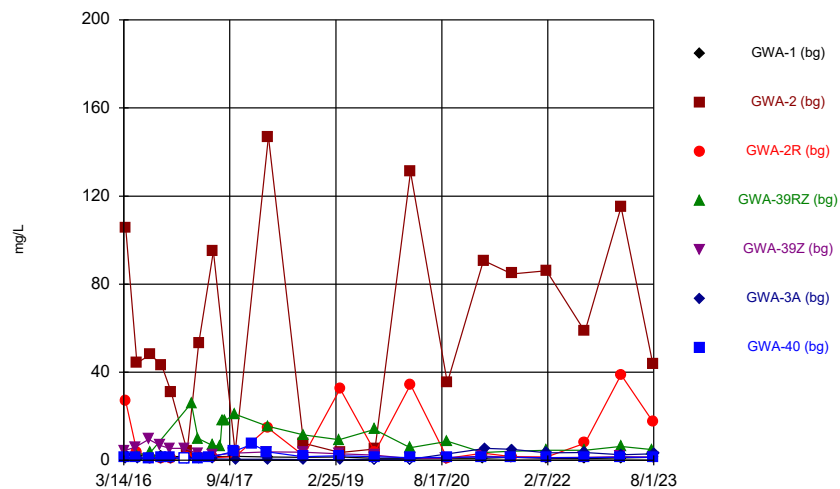
Constituent: Silver Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



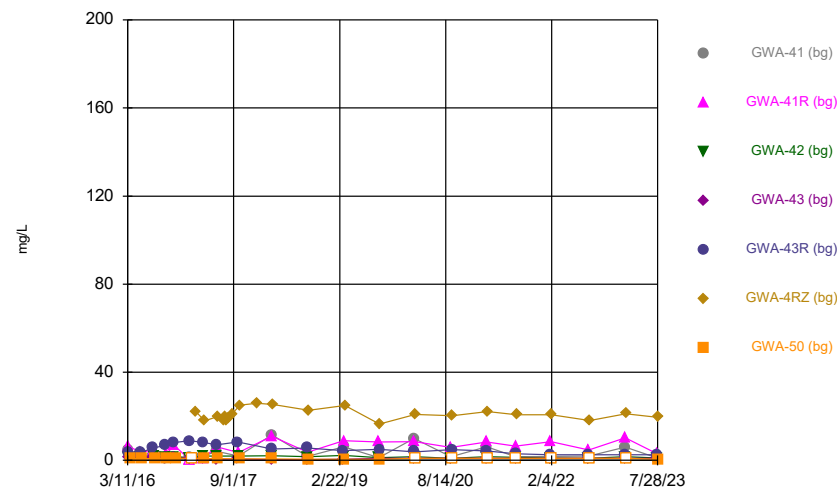
Constituent: Silver Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



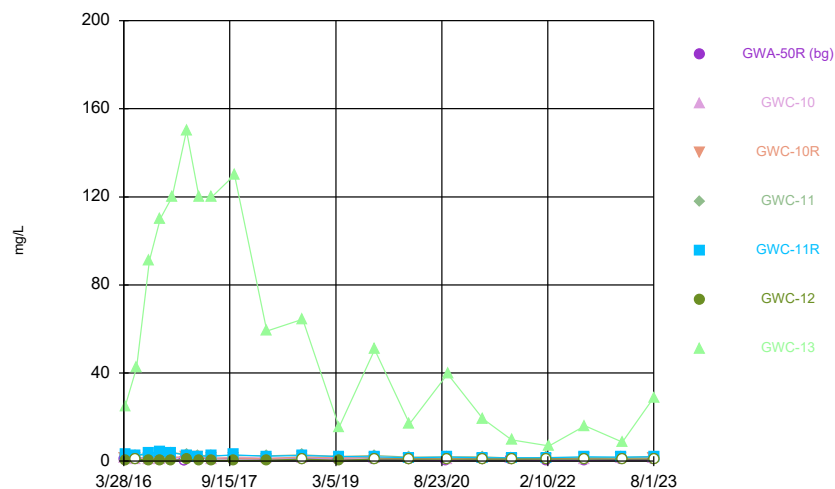
Constituent: Sulfate, total Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



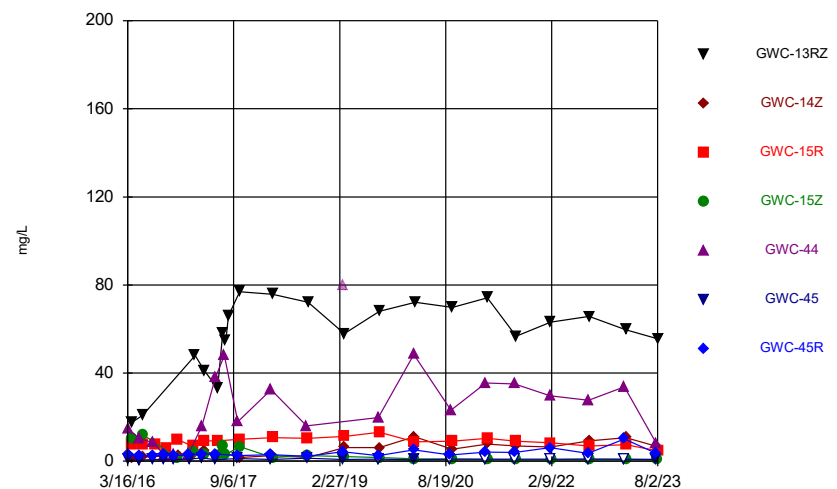
Constituent: Sulfate, total Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



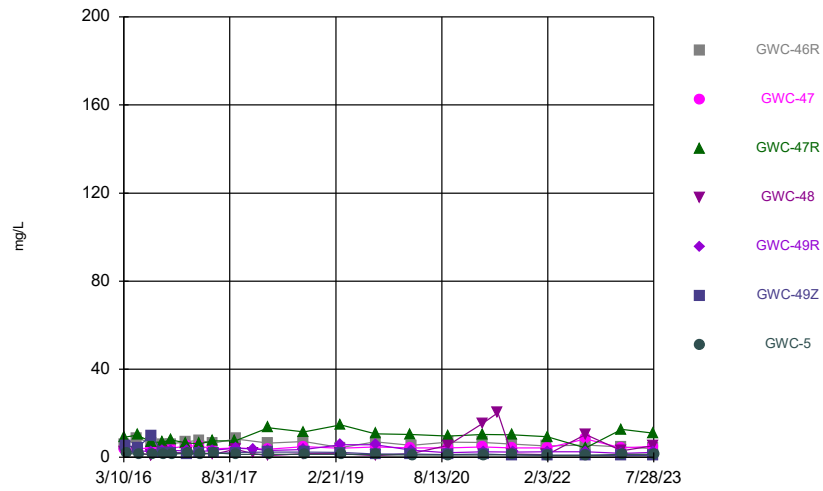
Constituent: Sulfate, total Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



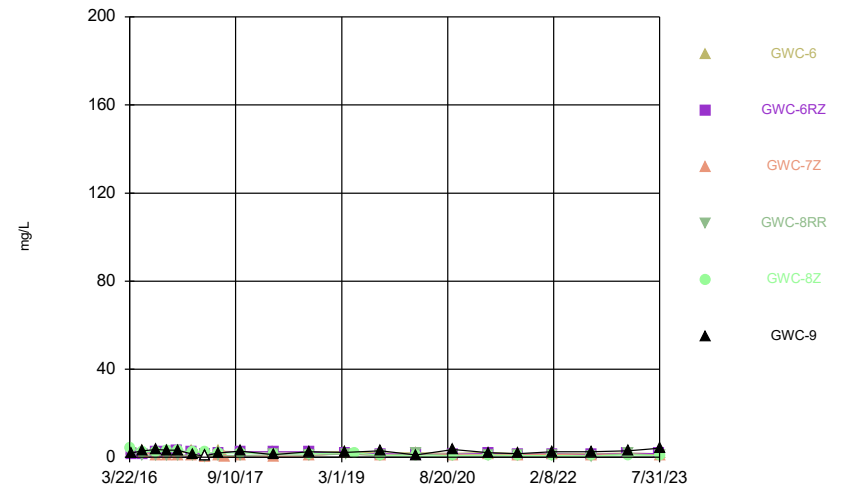
Constituent: Sulfate, total Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



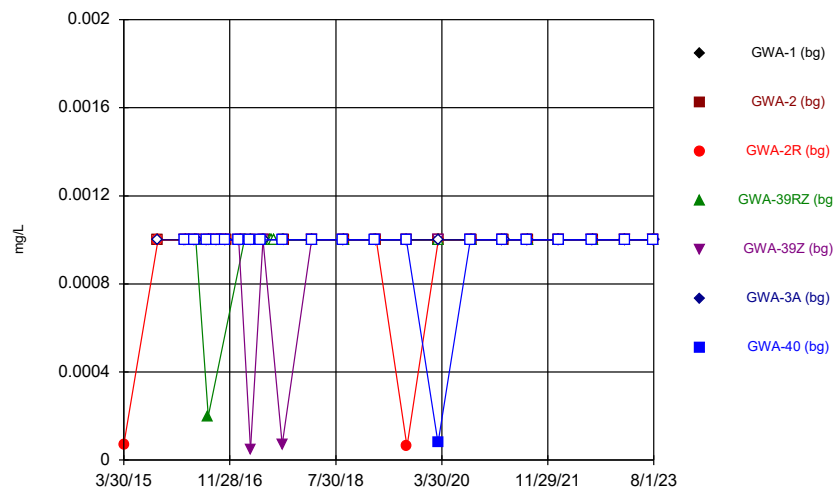
Constituent: Sulfate, total Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



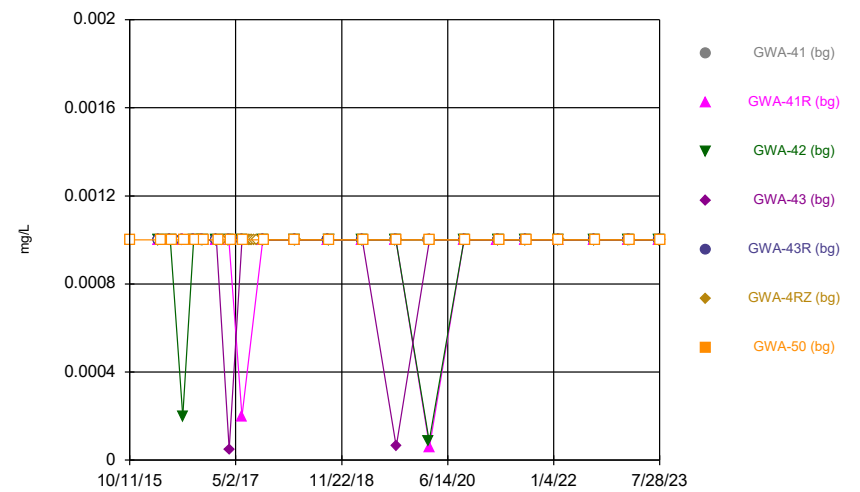
Constituent: Sulfate, total Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



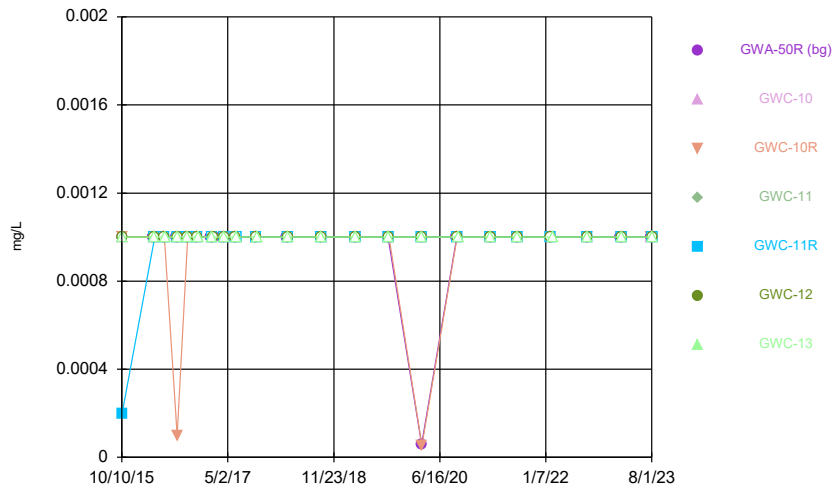
Constituent: Thallium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



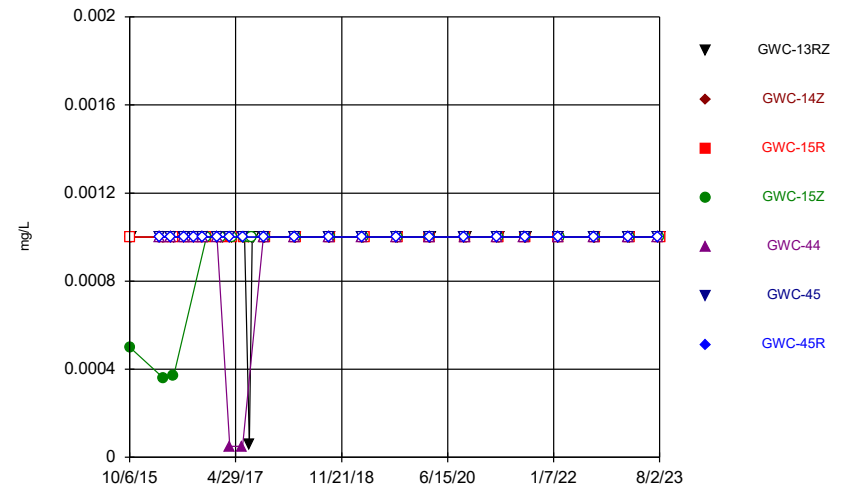
Constituent: Thallium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



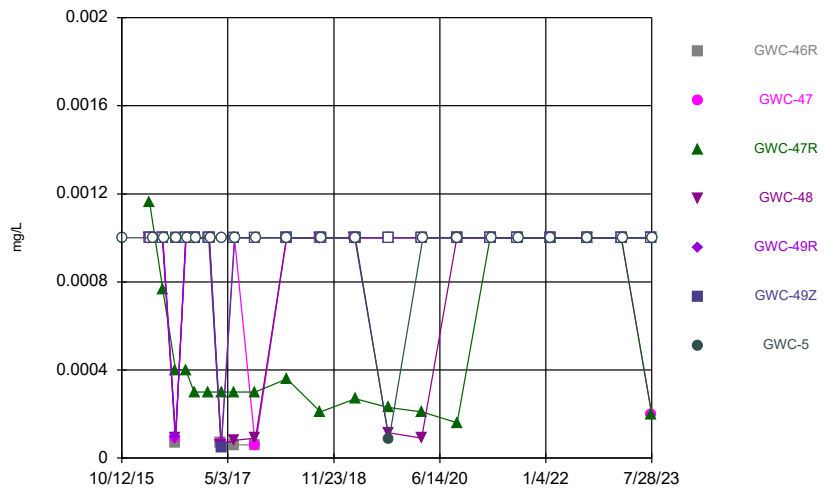
Constituent: Thallium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



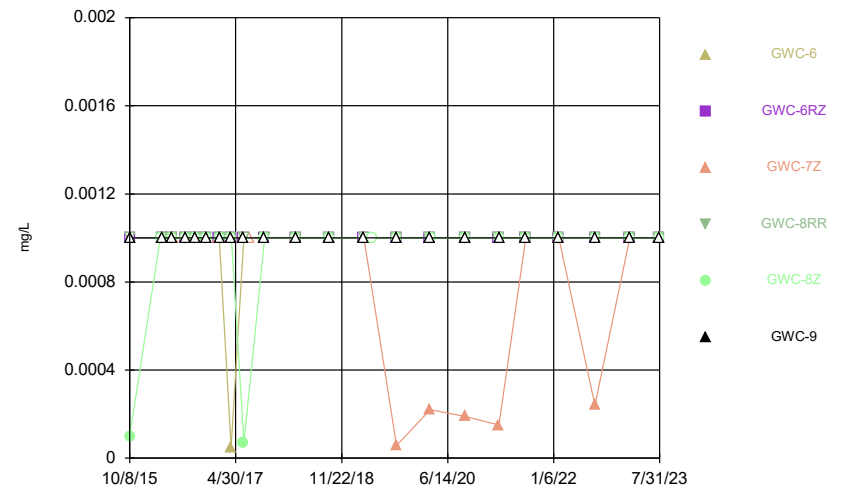
Constituent: Thallium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



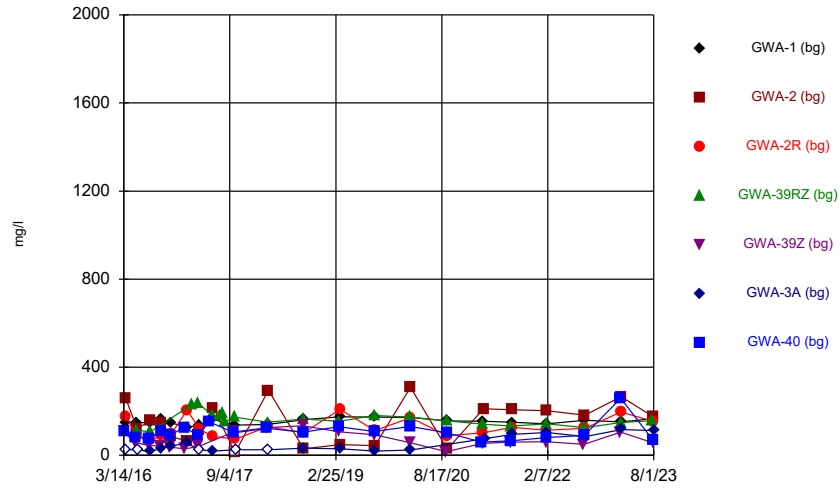
Constituent: Thallium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



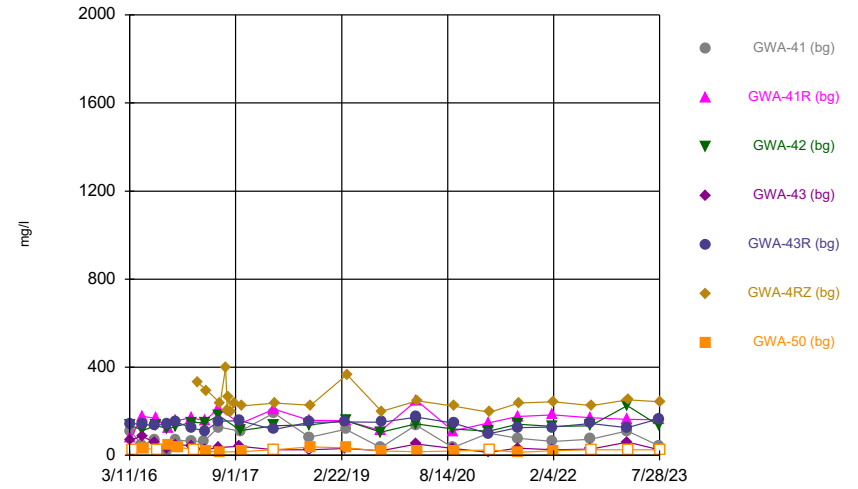
Constituent: Thallium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



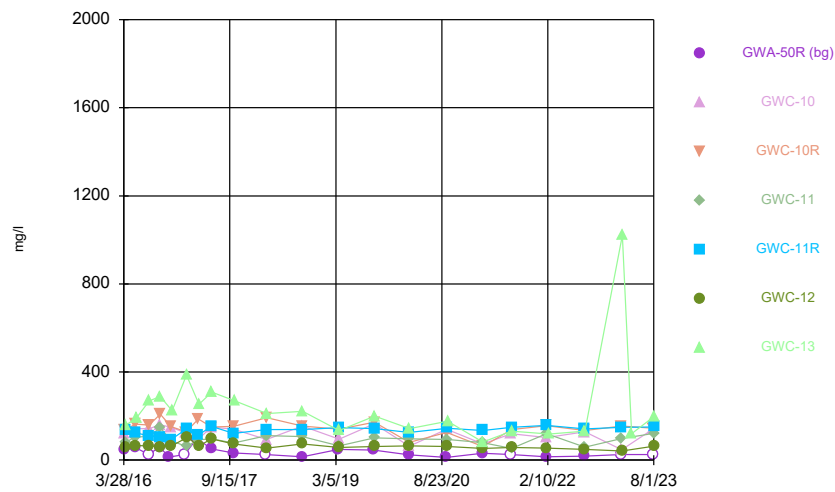
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



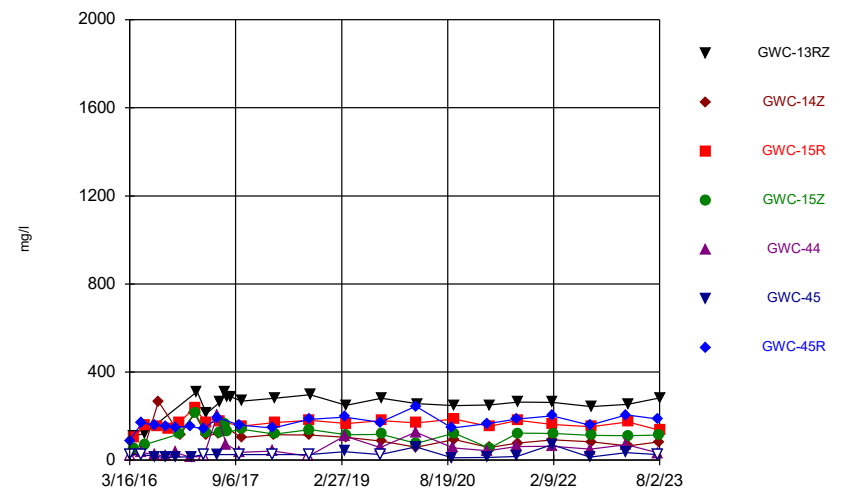
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



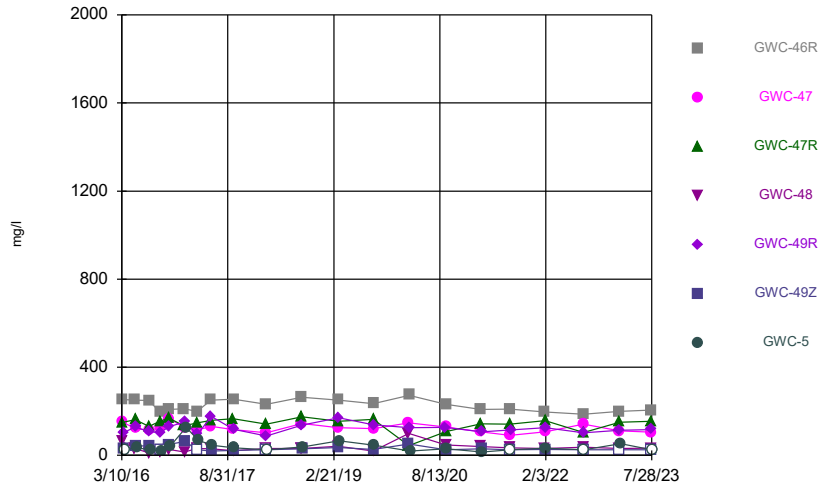
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



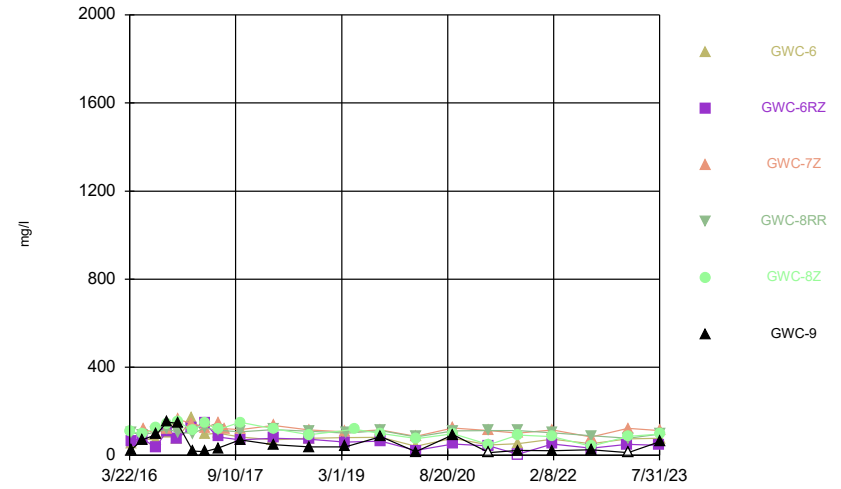
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



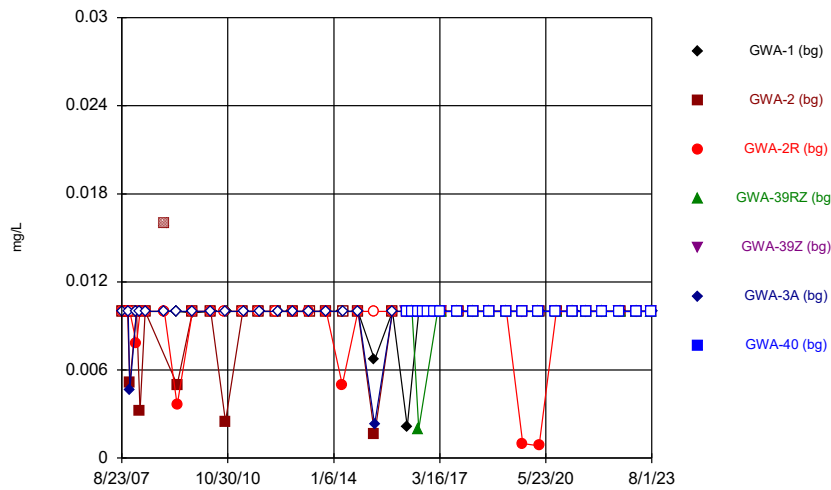
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



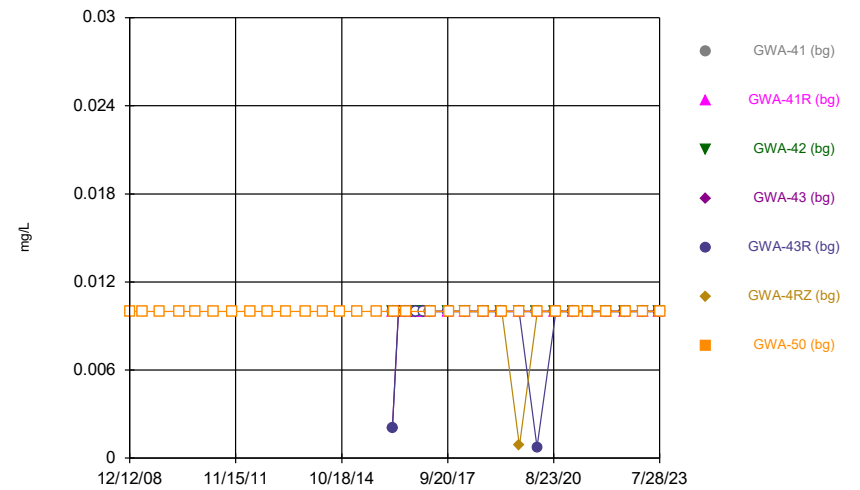
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



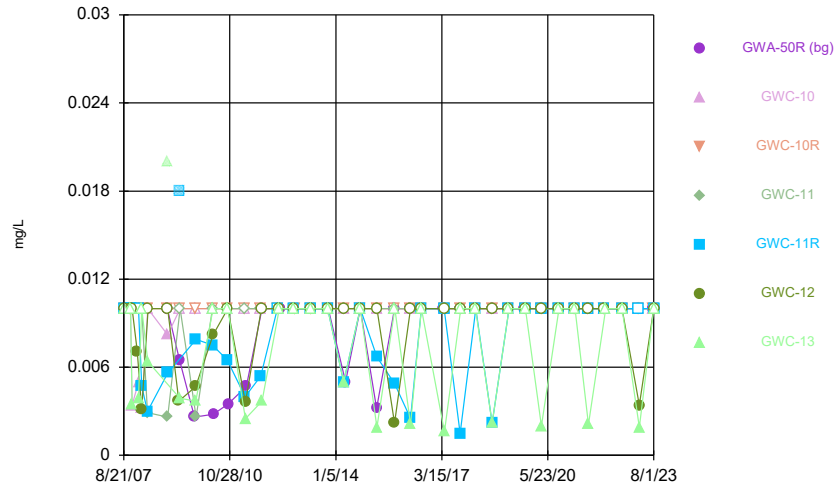
Constituent: Vanadium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



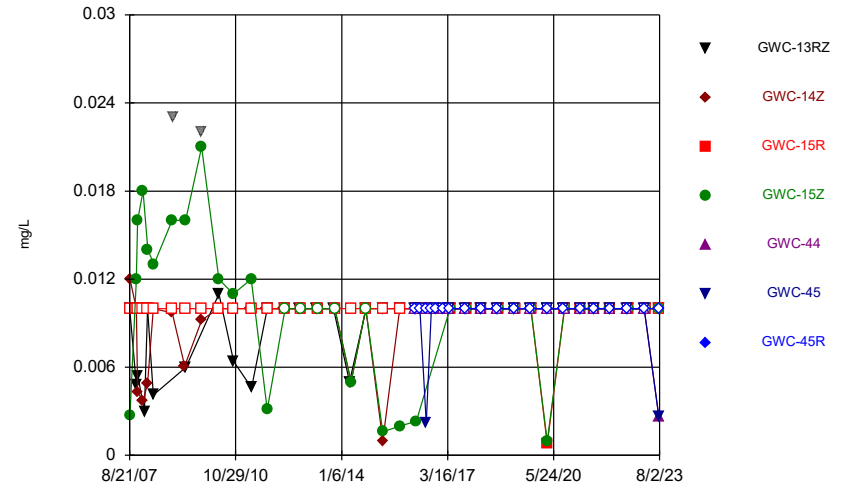
Constituent: Vanadium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



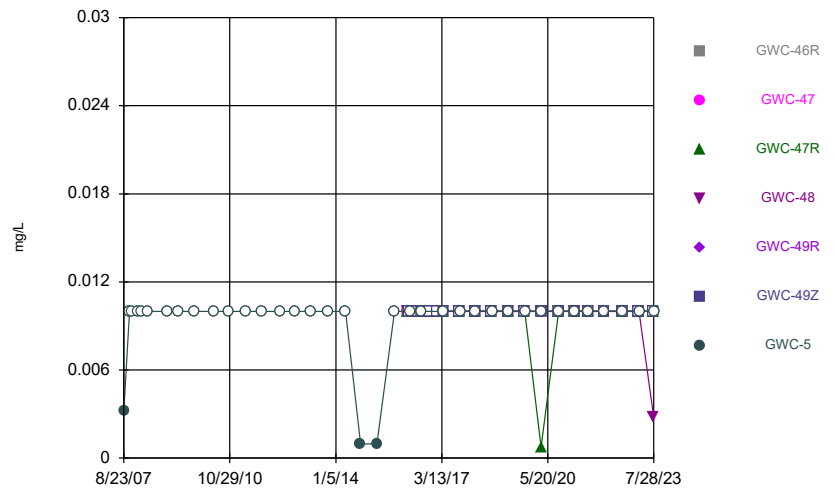
Constituent: Vanadium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



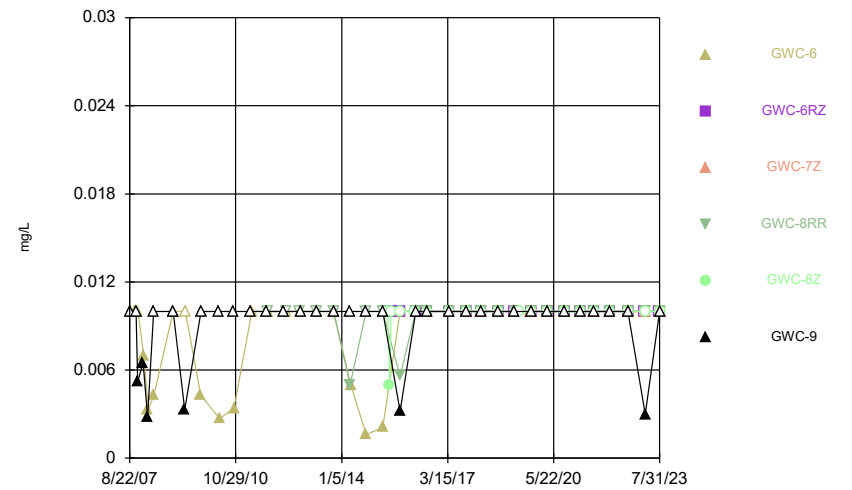
Constituent: Vanadium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



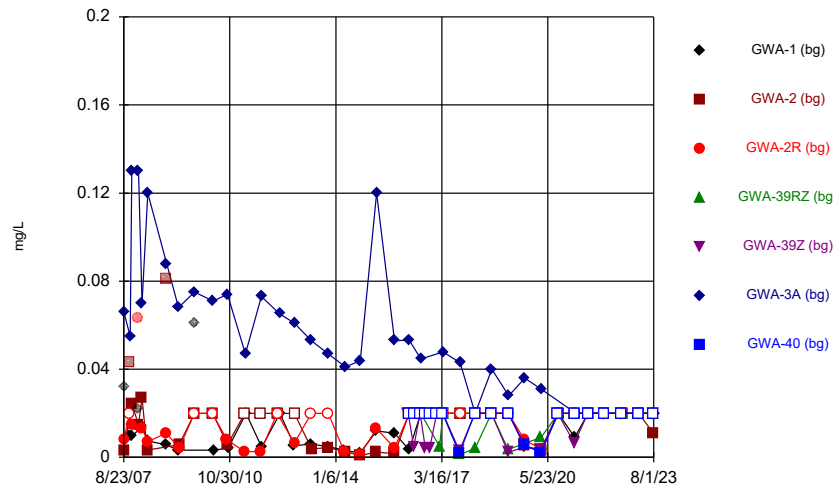
Constituent: Vanadium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



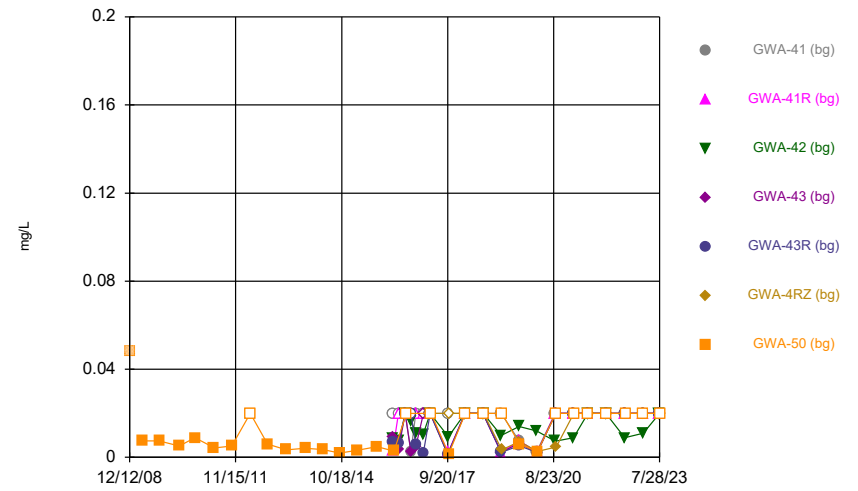
Constituent: Vanadium Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



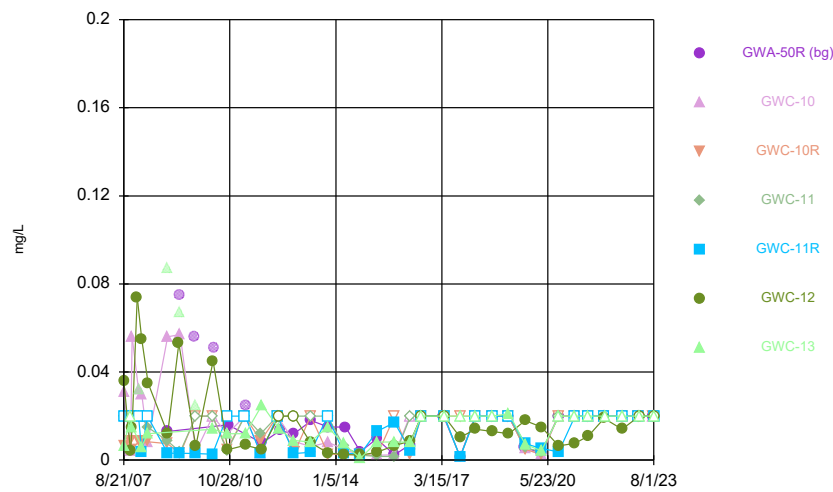
Constituent: Zinc Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



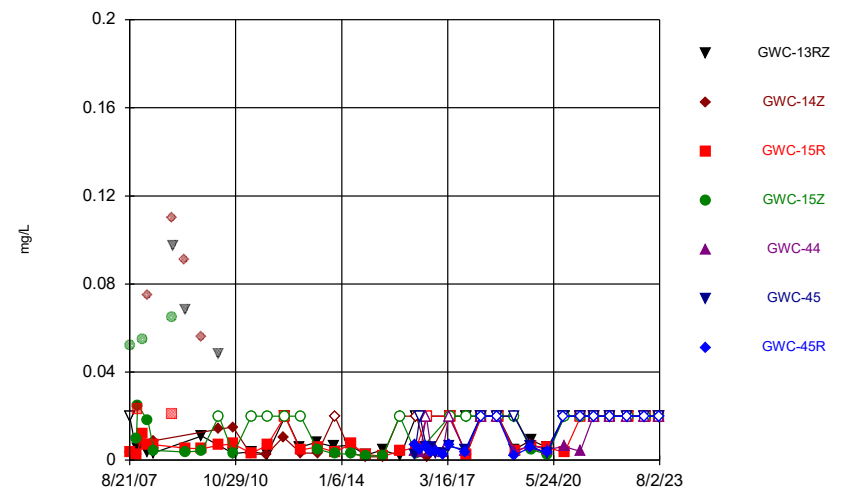
Constituent: Zinc Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



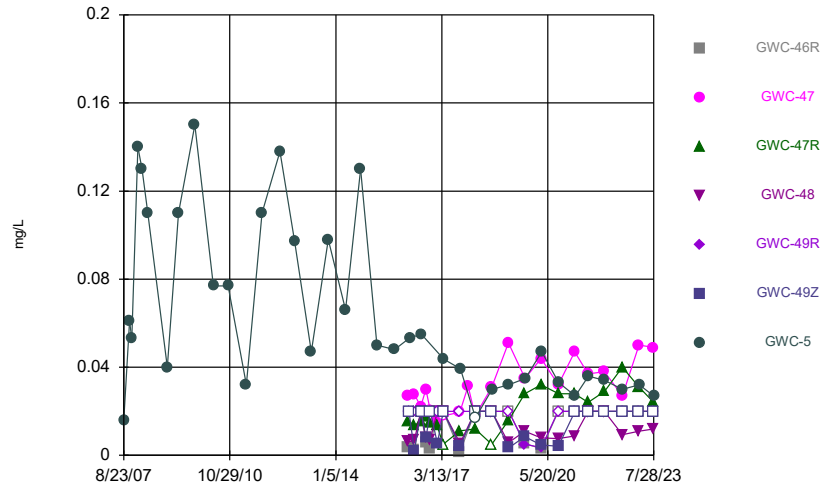
Constituent: Zinc Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



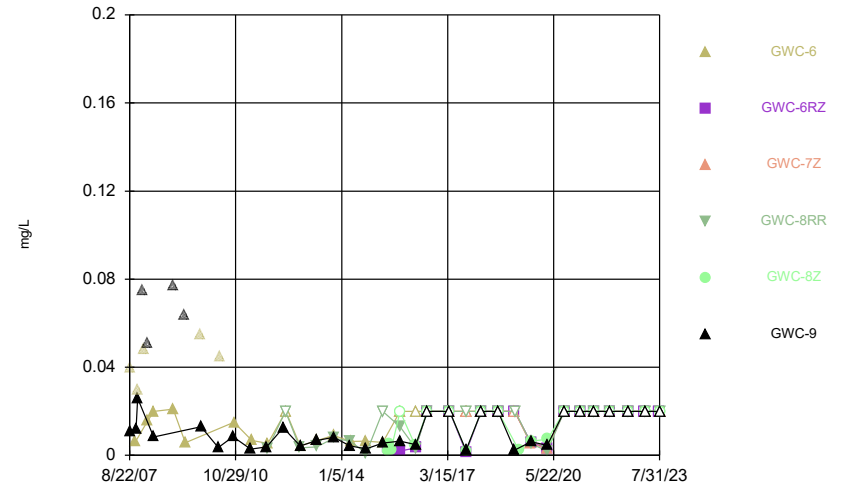
Constituent: Zinc Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Zinc Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Zinc Analysis Run 9/14/2023 11:54 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.003	<0.003	<0.003			<0.003	
10/23/2007	<0.003						
10/24/2007		<0.003	<0.003				
11/2/2007						<0.003	
11/18/2007	<0.003	<0.003	<0.003			<0.003	
1/30/2008	<0.003						
1/31/2008		<0.003	<0.003			<0.003	
3/10/2008	<0.003		<0.003				
3/11/2008		<0.003				<0.003	
5/6/2008		<0.003					
5/13/2008	<0.003		<0.003				
5/14/2008						<0.003	
12/4/2008		<0.003	<0.003				
12/5/2008	<0.003					<0.003	
4/15/2009	<0.003					<0.003	
4/21/2009		<0.003	<0.003				
10/7/2009	<0.003	<0.003					
10/8/2009			<0.003			<0.003	
4/21/2010			<0.003				
4/26/2010		<0.003					
4/28/2010						<0.003	
5/3/2010	<0.003						
9/28/2010			<0.003				
10/4/2010		<0.003					
10/6/2010						<0.003	
10/12/2010	<0.003						
4/12/2011			<0.003				
4/13/2011		<0.003					
4/21/2011						<0.003	
4/27/2011	<0.003						
10/4/2011			<0.003				
10/5/2011		<0.003					
10/13/2011						<0.003	
10/17/2011	0.0054						
4/3/2012			0.0053				
4/11/2012		<0.003					
5/1/2012						<0.003	
5/2/2012	<0.003						
10/8/2012	<0.003						
10/9/2012		<0.003	<0.003			<0.003	
4/11/2013			0.0075			<0.003	
4/12/2013	0.0058						
4/15/2013		<0.003					
10/15/2013		<0.003					
10/16/2013	0.01		<0.003			<0.003	
4/10/2014			0.0081				
4/11/2014	0.005 (J)						
4/22/2014		<0.003					
4/23/2014						<0.003	
9/30/2014	0.0068	<0.003	0.0022 (J)				
10/4/2014						0.0031 (J)	
3/30/2015	0.0074	<0.003	0.011				

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0068	
10/12/2015						<0.003	
10/13/2015	0.017 (O)	<0.003	0.0045 (J)				
3/14/2016					<0.003		
3/15/2016							<0.003
3/22/2016	0.00567						
3/23/2016		<0.003	0.00281 (J)			0.0035	
5/11/2016					0.000839 (J)		<0.003
5/16/2016				<0.003 (D)			
5/19/2016	0.00319		0.00264 (J)				
5/20/2016		<0.003					
5/23/2016						<0.003	
7/19/2016					0.0024 (J)		
7/21/2016							<0.003
7/27/2016				0.0003 (JD)			
7/29/2016	0.0025 (J)	<0.003	0.0069			0.0029 (J)	
9/15/2016					0.0009 (J)		<0.003
9/22/2016			0.0066			0.0041	
9/23/2016	0.0051	<0.003					
11/2/2016					0.001 (J)		
11/3/2016							0.0021 (J)
11/9/2016	0.0097 (J)	<0.003					
11/10/2016			<0.003			0.0048 (J)	
1/17/2017							<0.003
1/18/2017					0.0017 (J)		
1/30/2017	0.0032						
1/31/2017		<0.003	0.0064			<0.003	
2/21/2017				0.0057			
3/24/2017							<0.003
3/27/2017				0.0013 (JD)			
3/28/2017					0.0006 (J)		
3/30/2017	0.0028 (J)	<0.003				0.001 (J)	
4/3/2017			0.0049				
5/24/2017							<0.003
6/7/2017					0.0003 (J)		
6/8/2017				<0.003 (*)			
6/9/2017	<0.003		<0.003				
6/12/2017		<0.003				<0.003	
7/17/2017				0.005 (D)			
7/27/2017				0.0033			
8/9/2017				0.0012 (J)			
9/26/2017					<0.003		<0.003
9/29/2017				0.0013 (JD)			
10/2/2017	0.0014 (J)	<0.003	0.0045				
10/4/2017						0.0009 (J)	
3/14/2018					<0.003		<0.003
3/16/2018	0.0014 (J)		0.021 (O)	0.0078			
3/19/2018		<0.003				0.0019 (J)	
9/12/2018					<0.003		<0.003
9/14/2018		<0.003	0.0054	0.0056			
9/17/2018	0.00105 (JD)					0.0011 (J)	
3/13/2019							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.014 (O)			
3/15/2019					<0.003		
3/19/2019			0.0019 (J)				
3/20/2019	<0.003	<0.003				0.0019 (J)	
9/9/2019					0.00079 (J)		<0.003
9/12/2019	0.0037	<0.003 (D)					
9/13/2019			0.0044			0.0013 (J)	
3/9/2020				0.0013 (J)	0.0011 (J)		<0.003
3/11/2020	0.00079 (J)	<0.003	0.002 (J)			0.0045	
9/10/2020					0.0003 (J)		
9/11/2020							<0.003
9/15/2020	0.0061	<0.003	0.0037				
9/16/2020				0.0028 (J)			
3/10/2021							<0.003
3/12/2021					0.0039		
3/16/2021	0.0014 (J)		0.005	0.00041 (J)			
3/17/2021		<0.003					
3/29/2021						<0.003	
8/4/2021					0.00083 (J)		<0.003
8/6/2021				<0.003			
8/9/2021	0.0027 (J)	<0.003	0.0033			<0.003	
1/31/2022					<0.003		0.0014 (J)
2/1/2022	0.0028 (J)	<0.003	0.0029 (J)				
2/2/2022				<0.003		<0.003	
8/10/2022					<0.003		
8/12/2022							<0.003
8/16/2022	0.0084	<0.003	0.002 (J)	0.001 (J)		<0.003	
2/13/2023					0.00087 (J)		<0.003
2/14/2023				0.0019 (J)			
2/16/2023	0.016	<0.003	0.0048				
2/17/2023						<0.003	
7/25/2023				<0.003			
7/26/2023					0.0028 (J)		<0.003
7/27/2023	0.011	<0.003	0.0095				
8/1/2023						<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.003
4/23/2009							<0.003
10/6/2009							<0.003
4/27/2010							<0.003
9/30/2010							<0.003
4/14/2011							<0.003
10/5/2011							<0.003
4/11/2012							<0.003
10/2/2012							<0.003
4/9/2013							<0.003
10/15/2013							<0.003
4/10/2014							<0.003
10/1/2014							<0.003
3/30/2015							<0.003
10/11/2015							<0.003
3/11/2016			<0.003	<0.003	<0.003		
3/15/2016	<0.003	<0.003					
3/28/2016							0.00139 (J)
5/12/2016	<0.003						
5/13/2016		<0.003		<0.003	<0.003		
5/16/2016			<0.003				
5/23/2016							0.000677 (J)
7/19/2016				<0.003 (*)	<0.003		
7/20/2016	<0.003						
7/21/2016		<0.003 (*)					
7/22/2016			0.002 (J)				
8/1/2016							<0.003
9/15/2016	<0.003						
9/16/2016				<0.003	<0.003		
9/19/2016			<0.003				
9/21/2016		<0.003					
9/26/2016							<0.003
11/2/2016				<0.003	<0.003		
11/3/2016	<0.003	<0.003	<0.003				
11/10/2016							<0.003
1/17/2017		<0.003	<0.003				
1/18/2017	<0.003			<0.003	0.0013 (J)		
1/30/2017							<0.003
2/22/2017						0.0018 (J)	
3/24/2017	<0.003						
3/27/2017		0.0008 (J)	<0.003				
3/28/2017				<0.003	<0.003		
4/7/2017						0.0008 (J)	<0.003
6/6/2017	<0.003	<0.003		<0.003	0.0007 (J)		
6/7/2017			<0.003				
6/12/2017							<0.003
6/14/2017						0.00205 (JD)	
7/12/2017						0.0015 (JD)	
7/20/2017						<0.003 (D)	
7/28/2017						<0.003	
8/9/2017						<0.003	
8/24/2017						0.0007 (J)	

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.003	0.0012 (J)		
9/25/2017	<0.003	0.0035					
9/26/2017			<0.003				
10/2/2017							<0.003
10/3/2017						<0.003 (D)	
3/14/2018	<0.003	<0.003	<0.003	<0.003			
3/15/2018					<0.003		
3/16/2018							<0.003
3/21/2018						<0.003	
9/12/2018	<0.003	0.003		<0.003	<0.003		
9/14/2018			<0.003				
9/17/2018							<0.003
9/18/2018						<0.003	
3/13/2019				<0.003	<0.003		
3/14/2019	<0.003	<0.003	<0.003				
3/19/2019							<0.003
3/21/2019						<0.003 (D)	
9/10/2019	<0.003 (D)	0.0029 (J)	<0.003				
9/11/2019				<0.003	0.00029 (J)		
9/12/2019						0.00052 (JD)	
9/13/2019							<0.003
3/6/2020	<0.003		<0.003				
3/9/2020		0.0037		0.00062 (J)	0.00037 (J)		
3/11/2020							0.0005 (J)
3/12/2020						0.0017 (J)	
9/10/2020	<0.003	0.0019 (J)	<0.003				
9/11/2020				<0.003			
9/14/2020					<0.003		
9/16/2020							<0.003
9/17/2020						0.00087 (J)	
3/10/2021		0.00037 (J)					
3/11/2021	0.00038 (J)		<0.003	<0.003	0.00074 (J)		
3/16/2021						0.00082 (J)	
3/17/2021							<0.003
8/4/2021	<0.003	<0.003	<0.003				
8/5/2021					<0.003		
8/6/2021				<0.003			
8/9/2021							<0.003
8/10/2021						0.0013 (J)	
1/31/2022	<0.003	0.0011 (J)	<0.003	<0.003	<0.003		
2/1/2022							0.0015 (J)
2/3/2022						<0.003	
8/10/2022			<0.003		<0.003		
8/11/2022	<0.003	<0.003		<0.003			
8/16/2022							<0.003
8/17/2022						<0.003	
2/13/2023	<0.003	0.0045	<0.003		<0.003		
2/14/2023				<0.003			
2/16/2023							<0.003
2/17/2023						<0.003	
7/25/2023	0.0029 (J)	0.0021 (J)		<0.003	<0.003		
7/26/2023			<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/1/2007		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
11/18/2007				<0.003	<0.003		
11/19/2007						<0.003	<0.003
11/20/2007		<0.003	<0.003				
1/16/2008						<0.003	
1/30/2008		<0.003	<0.003	<0.003	<0.003		
1/31/2008							<0.003
3/5/2008				<0.003		<0.003	<0.003
3/6/2008		<0.003	<0.003		<0.003		
5/7/2008				<0.003	<0.003		
5/8/2008			<0.003				
5/12/2008		<0.003					<0.003
5/13/2008						<0.003	
12/12/2008	<0.003						
12/13/2008		<0.003				<0.003	<0.003
12/14/2008			<0.003	<0.003	<0.003		
4/16/2009						<0.003	
4/23/2009	<0.003						
4/28/2009							<0.003
4/29/2009		<0.003	<0.003	<0.003	<0.003		
10/6/2009	<0.003						
10/20/2009		<0.003					
10/21/2009			<0.003			<0.003	<0.003
10/22/2009				<0.003	<0.003		
4/21/2010			<0.003	<0.003	<0.003		
4/26/2010		<0.003					
4/27/2010						<0.003	
4/28/2010							<0.003
5/3/2010	<0.003						
9/28/2010			<0.003	<0.003			
9/29/2010		<0.003			<0.003		
10/5/2010						<0.003	<0.003
10/11/2010	<0.003						
4/12/2011			<0.003	<0.003			
4/13/2011		<0.003			<0.003		
4/19/2011						<0.003	<0.003
4/27/2011	<0.003						
10/4/2011			<0.003	<0.003	<0.003		
10/5/2011		<0.003					
10/12/2011						<0.003	
10/18/2011							<0.003
10/19/2011	<0.003						
4/3/2012			<0.003	<0.003			
4/4/2012		<0.003			<0.003		
4/24/2012						<0.003	
4/25/2012							<0.003
5/1/2012	<0.003						
10/2/2012	<0.003					<0.003	<0.003
10/3/2012		<0.003		<0.003	<0.003		
10/8/2012			<0.003				
4/2/2013						<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.003	<0.003	<0.003	<0.003		
4/10/2013	<0.003						
10/8/2013							<0.003
10/9/2013				<0.003	<0.003	<0.003	
10/15/2013		<0.003	<0.003				
10/16/2013	<0.003						
4/1/2014						<0.003	<0.003
4/2/2014				<0.003	<0.003		
4/9/2014		<0.003	<0.003				
4/22/2014	<0.003						
10/1/2014	<0.003						<0.003
10/2/2014		<0.003	<0.003	<0.003	0.0044 (J)	<0.003	
3/30/2015	<0.003						
4/1/2015				<0.003	0.0087	<0.003	<0.003
4/2/2015		<0.003	<0.003				
10/10/2015		<0.003					
10/11/2015	<0.003			<0.003	0.007		
10/12/2015			<0.003				
10/14/2015						<0.003	
10/15/2015							<0.003
3/28/2016	<0.003						
3/31/2016		<0.003	<0.003				
4/4/2016				<0.003	0.00252 (J)	<0.003	<0.003
5/25/2016	<0.003						
5/26/2016		<0.003	0.000659 (J)	0.000722 (J)	0.00351		
5/27/2016						<0.003	
5/31/2016							<0.003
8/1/2016	<0.003						
8/3/2016			<0.003	<0.003		<0.003	
8/4/2016					<0.003		<0.003
8/5/2016		<0.003					
9/26/2016	<0.003						
9/28/2016		<0.003	0.0037 (O)	<0.003	0.0012 (J)		
9/29/2016							<0.003
9/30/2016						<0.003	
11/11/2016	<0.003						
11/22/2016		<0.003	<0.003	<0.003	0.0042	<0.003	
11/28/2016							<0.003
1/30/2017	<0.003						
2/7/2017		<0.003	<0.003				
2/8/2017				<0.003	<0.003		
2/9/2017							<0.003
2/13/2017						<0.003	
4/3/2017	<0.003						
4/10/2017		<0.003	<0.003	<0.003	<0.003		
4/11/2017						<0.003	
4/12/2017							<0.003
6/12/2017	<0.003						
6/14/2017		<0.003	<0.003			<0.003	
6/15/2017				<0.003	<0.003		
6/16/2017							<0.003
10/2/2017	<0.003						

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003	
10/9/2017							<0.003
3/16/2018	<0.003						
3/20/2018		<0.003					
3/21/2018			<0.003	<0.003			<0.003
3/22/2018					<0.003	<0.003	
9/18/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
9/19/2018							<0.003
3/19/2019	<0.003						
3/22/2019		<0.003	<0.003				
3/23/2019				0.00094 (J)	<0.003	<0.003	<0.003
9/12/2019	<0.003						
9/17/2019		<0.003	<0.003	0.00041 (J)	0.0013 (J)	<0.003 (D)	
9/18/2019							0.0012 (J)
3/11/2020	<0.003						
3/12/2020		<0.003	<0.003	0.0013 (J)	0.001 (J)	<0.003	
3/13/2020							0.0023 (J)
9/15/2020	0.00048 (J)						
9/17/2020		<0.003	<0.003				
9/21/2020				0.00091 (J)	0.0053	<0.003	
9/22/2020							<0.003
3/17/2021	<0.003						
3/18/2021		<0.003	<0.003				0.00078 (J)
3/19/2021				0.00032 (J)	0.012	<0.003	
5/26/2021					0.0037		
8/9/2021	<0.003						
8/10/2021		<0.003					
8/11/2021			<0.003	<0.003	<0.003	<0.003	0.0019 (J)
2/2/2022	<0.003					<0.003	
2/4/2022		<0.003	0.0016 (J)	<0.003	<0.003		
2/17/2022							<0.003
8/17/2022	<0.003	<0.003					
8/18/2022			<0.003	<0.003	<0.003	<0.003	<0.003
2/16/2023	<0.003						
2/20/2023		<0.003	<0.003	<0.003	<0.003		
2/21/2023						0.0017 (J)	
2/22/2023							<0.003
7/28/2023	<0.003						
7/31/2023		<0.003	<0.003				
8/1/2023				<0.003	<0.003	<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.003						
8/23/2007			<0.003				
8/24/2007		0.005		<0.003			
11/1/2007	<0.003						
11/2/2007		<0.003	<0.003	<0.003			
11/17/2007		<0.003	<0.003				
11/18/2007				<0.003			
11/19/2007	<0.003						
1/15/2008		<0.003	<0.003	<0.003			
1/31/2008	<0.003						
3/5/2008	<0.003	<0.003					
3/6/2008			<0.003				
3/10/2008				<0.003			
5/7/2008	<0.003	<0.003	<0.003				
5/13/2008				<0.003			
12/2/2008		<0.003	<0.003	<0.003			
12/12/2008	<0.003						
4/16/2009		<0.003					
4/28/2009			<0.003	<0.003			
4/29/2009	<0.003						
10/19/2009			<0.003				
10/20/2009		<0.003		<0.003			
10/21/2009	<0.003						
4/20/2010		<0.003					
4/27/2010			<0.003	<0.003			
4/28/2010	<0.003						
9/29/2010		<0.003					
10/4/2010			<0.003				
10/5/2010				<0.003			
10/6/2010	<0.003						
4/12/2011		<0.003					
4/18/2011			<0.003				
4/19/2011				<0.003			
4/20/2011	<0.003						
10/4/2011		<0.003					
10/12/2011	<0.003		0.0052	<0.003			
4/4/2012		<0.003					
4/23/2012			<0.003				
4/25/2012	<0.003			<0.003			
10/2/2012	<0.003						
10/10/2012		<0.003	<0.003	<0.003			
4/2/2013	0.007 (O)						
4/15/2013		<0.003	<0.003				
4/16/2013				0.0053			
10/8/2013	0.01 (O)						
10/22/2013		<0.003	<0.003	<0.003			
4/1/2014	0.011 (O)						
4/21/2014		<0.003	0.005 (J)	0.005 (J)			
9/30/2014		<0.003	0.0024 (J)	<0.003			
10/1/2014	0.018 (O)						
3/31/2015	0.011 (O)						
4/3/2015		<0.003	0.0072	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0025 (J)			
10/7/2015		<0.003	0.0045 (J)				
10/14/2015	0.0083 (O)						
3/16/2016					0.00108 (J)	<0.003	0.00426
4/4/2016	0.00447						
4/5/2016		<0.003	0.00727	0.00105 (J)			
5/16/2016					<0.003	0.00109 (J)	0.00267 (JD)
5/31/2016			0.00649	0.00088 (J)			
6/1/2016	0.00377	0.000895 (J)					
7/25/2016					<0.003 (*)	0.00185 (J*D)	0.0017 (JD)
8/4/2016			0.0038				
8/9/2016		0.0017 (JD)					
9/19/2016					<0.003	<0.003 (D)	<0.003 (D)
9/29/2016			0.0106				
11/3/2016					<0.003		0.0017 (JD)
11/4/2016						<0.003 (D)	
11/23/2016			0.0098	<0.003			
11/28/2016		<0.003					
1/19/2017					<0.003		
1/20/2017							0.001 (JD)
1/23/2017						<0.003 (D)	
2/9/2017		<0.003					
2/10/2017			0.0014 (J)	<0.003			
2/22/2017	0.0044						
3/28/2017					<0.003		
3/29/2017						0.0018 (JD)	0.001 (JD)
4/11/2017	0.0019 (J)	<0.003		<0.003			
4/12/2017			0.0026 (J)				
6/5/2017					<0.003		
6/7/2017						0.0009 (J)	0.0009 (J)
6/14/2017		0.0006 (J)					
6/15/2017			<0.003	<0.003			
6/16/2017	<0.003						
7/12/2017	0.0018 (J)	<0.003		<0.003			
7/26/2017				<0.003			
7/28/2017	0.0011 (J)						
8/10/2017	0.0012 (J)						
9/26/2017					<0.003		
9/27/2017						0.0111 (O)	0.0012 (J)
10/5/2017		<0.003					
10/6/2017	0.0013 (J)		0.0008 (J)	<0.003			
12/29/2017						0.0012 (Y)	
3/15/2018					<0.003	0.00086 (J)	<0.003
3/22/2018		<0.003					
3/23/2018	0.0015 (J)		0.001 (J)	0.00089 (J)			
9/12/2018					<0.003		
9/13/2018						0.0029 (J)	<0.003
9/19/2018		<0.003	0.0011 (J)	<0.003			
9/20/2018	0.0013 (J)						
3/14/2019					<0.003	0.0015 (JD)	<0.003 (D)
3/22/2019	0.0014 (J)	<0.003		<0.003			
3/25/2019			<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/11/2019					<0.003	0.014 (O)	<0.003 (D)
9/17/2019		<0.003	0.0017 (J)	<0.003			
9/18/2019	0.00077 (X)						
3/10/2020					<0.003	0.00087 (J)	<0.003
3/13/2020		0.00053 (J)	0.00056 (J)	<0.003			
3/17/2020	0.0009 (J)						
9/11/2020						0.0076	0.00043 (J)
9/15/2020					<0.003		
9/21/2020		<0.003	0.0021 (J)	<0.003			
9/22/2020	0.00079 (J)						
12/15/2020						0.0014 (J)	
3/11/2021					<0.003	0.00062 (J)	<0.003
3/18/2021		<0.003	0.00045 (J)	<0.003			
3/19/2021	0.0011 (J)						
8/4/2021					<0.003		
8/6/2021						0.0017 (J)	<0.003
8/11/2021		<0.003	<0.003	<0.003			
8/12/2021	<0.003						
1/31/2022					<0.003		
2/1/2022						0.002 (J)	<0.003
2/4/2022	<0.003	<0.003	<0.003				
2/7/2022				<0.003			
8/12/2022						0.0072	<0.003
8/15/2022					<0.003		
8/18/2022		<0.003					
8/19/2022	<0.003		0.0011 (J)	<0.003			
2/14/2023	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
2/22/2023	<0.003	<0.003	<0.003	<0.003			
7/26/2023					<0.003	0.013	<0.003
8/1/2023		<0.003		0.0028 (J)			
8/2/2023	<0.003		<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.003
10/25/2007							<0.003
11/19/2007							<0.003
1/23/2008							<0.003
3/11/2008							<0.003
5/12/2008							<0.003
12/11/2008							<0.003
4/15/2009							<0.003
10/9/2009							<0.003
5/4/2010							<0.003
10/12/2010							<0.003
4/28/2011							<0.003
10/19/2011							<0.003
5/2/2012							<0.003
10/9/2012							<0.003
4/11/2013							<0.003
10/16/2013							<0.003
4/23/2014							<0.003
10/3/2014							<0.003
3/31/2015							<0.003
10/12/2015							<0.003
3/10/2016	<0.003	<0.003	<0.003	<0.003			
3/17/2016					<0.003	<0.003	
3/28/2016							0.00104 (J)
5/17/2016	<0.003			<0.003			
5/18/2016		<0.003	0.000987 (J)		<0.003	<0.003	
5/25/2016							0.000686 (J)
7/26/2016	<0.003						
7/27/2016		0.0006 (J)	0.0008 (J)	0.0006 (J)	0.0023 (J)		
7/28/2016						<0.003	
8/1/2016							<0.003
9/20/2016	0.001 (J)	<0.003	0.0012 (J)	0.0018 (J)			
9/21/2016					0.0013 (J)	<0.003	
9/27/2016							<0.003
11/4/2016	<0.003		0.001 (J)	<0.003	<0.003		
11/7/2016		<0.003				<0.003 (*)	
11/11/2016							<0.003
1/20/2017	<0.003		0.0013 (J)				
1/23/2017		<0.003		<0.003			
1/24/2017					<0.003	0.0024 (J)	
1/31/2017							<0.003
3/28/2017	<0.003			<0.003			
3/29/2017		<0.003	0.0004 (J)		<0.003		
3/30/2017						0.0011 (J)	
4/3/2017							<0.003
6/7/2017	<0.003						
6/8/2017		<0.003	<0.003 (*)	<0.003 (*)	<0.003 (*)		
6/9/2017						<0.003 (*)	
6/12/2017							<0.003
9/27/2017		<0.003	<0.003				
9/29/2017	<0.003			<0.003	<0.003	0.0009 (J)	
10/3/2017							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.003	<0.003		<0.003	<0.003	0.0012 (J)	
3/16/2018			<0.003				
3/19/2018							<0.003
9/13/2018	<0.003	<0.003	<0.003	<0.003	<0.003		
9/14/2018						0.00083 (J)	
9/17/2018							<0.003
3/15/2019		<0.003		<0.003			
3/18/2019	<0.003				<0.003		
3/19/2019			<0.003			0.0011 (J)	
3/20/2019							<0.003
9/11/2019	<0.003		0.00099 (J)	<0.003 (D)	0.0032	0.00065 (J)	
9/12/2019		<0.003					
9/16/2019							<0.003
3/9/2020		0.00032 (J)	0.00056 (J)	<0.003		0.0018 (J)	
3/10/2020	<0.003						
3/11/2020					0.0012 (J)		
3/16/2020							0.00031 (J)
9/11/2020					0.0011 (J)		
9/14/2020	<0.003	<0.003		<0.003		0.0017 (J)	
9/15/2020			0.00053 (J)				
9/16/2020							<0.003
3/11/2021	<0.003	<0.003	0.00038 (J)	<0.003			
3/15/2021					0.0019 (J)	0.00086 (J)	
3/17/2021							<0.003
8/4/2021				<0.003			
8/5/2021	<0.003	<0.003	0.00082 (J)			0.0024 (J)	
8/9/2021							<0.003
8/11/2021					0.0033		
1/31/2022	<0.003			<0.003			
2/1/2022		<0.003	0.0024 (J)		<0.003	0.00097 (J)	
2/2/2022							<0.003
8/15/2022	<0.003	0.0022 (J)	<0.003	<0.003	0.0012 (J)	<0.003	
8/16/2022							<0.003
2/14/2023	<0.003	<0.003	0.0022 (J)	<0.003	0.0037	<0.003	
2/20/2023							<0.003
7/26/2023	<0.003			<0.003			
7/27/2023		<0.003	0.0048		0.0017 (J)	<0.003	
7/28/2023							<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.003					
8/23/2007						<0.003
10/25/2007	<0.003					
11/1/2007						<0.003
11/19/2007						<0.003
11/20/2007	<0.003					
1/15/2008						<0.003
1/23/2008	<0.003					
3/6/2008						<0.003
3/11/2008	<0.003					
5/13/2008						<0.003
5/14/2008	<0.003					
12/11/2008	<0.003					
12/12/2008						<0.003
4/16/2009						<0.003
4/23/2009	<0.003					
10/9/2009	<0.003					
10/13/2009						<0.003
4/21/2010						<0.003
5/4/2010	<0.003					
9/29/2010						<0.003
10/11/2010	<0.003					
4/13/2011						<0.003
4/26/2011	<0.003					
10/5/2011						<0.003
10/18/2011	<0.003			<0.003		
4/4/2012						<0.003
4/30/2012				<0.003		
5/2/2012	<0.003					
10/3/2012				<0.003		
10/8/2012	<0.003					<0.003
4/8/2013				<0.003		<0.003
4/10/2013	<0.003					
10/8/2013	<0.003					
10/9/2013				<0.003		<0.003
4/9/2014						<0.003
4/10/2014				<0.003		
4/14/2014	<0.003					
9/30/2014						<0.003
10/2/2014				0.0025 (J)		
10/3/2014	<0.003					
4/1/2015	0.0035 (J)					
4/2/2015						<0.003
4/3/2015				<0.003		
5/26/2015		<0.003			<0.003	
6/18/2015		<0.003 (D)			<0.003 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				<0.003	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						<0.003 (D)
3/22/2016					<0.003	
3/29/2016	<0.003	0.000768 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				0.0015 (J)		<0.003
4/6/2017	0.001 (J)	0.0006 (J)	<0.003	0.0007 (J)		<0.003
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	<0.003
6/14/2017				<0.003		
7/14/2017			0.0008 (J)			
10/3/2017	<0.003	<0.003	<0.003		<0.003	<0.003
10/4/2017				<0.003		
3/19/2018	<0.003					
3/20/2018		<0.003	<0.003		<0.003	0.001 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	0.0023 (J)				
9/18/2018			<0.003	<0.003	<0.003	<0.003 (D)
3/21/2019	<0.003	<0.003	<0.003			<0.003
3/27/2019				<0.003		
5/6/2019					<0.003	
9/13/2019			0.002 (J)			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	<0.003
3/12/2020	0.00052 (J)	0.0011 (J)	0.00066 (J)	0.00043 (J)		<0.003
3/16/2020					<0.003	
9/16/2020	<0.003	<0.003	0.0012 (J)			
9/17/2020				0.00082 (J)	<0.003	<0.003
3/17/2021	<0.003	<0.003	0.00099 (J)	<0.003		
3/18/2021					<0.003	<0.003
8/10/2021	<0.003	0.0028 (J)	0.0017 (J)	0.0015 (J)	<0.003	<0.003
2/2/2022	<0.003	<0.003	0.00093 (J)	0.0015 (J)	<0.003	<0.003
8/17/2022	<0.003	<0.003	0.0011 (J)	<0.003	0.001 (J)	<0.003
2/17/2023	<0.003	<0.003				
2/20/2023			0.0012 (J)		<0.003	
2/21/2023				<0.003		<0.003
7/28/2023		<0.003				
7/31/2023	<0.003		<0.003	<0.003	<0.003	<0.003

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		0.012 (O)	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		0.0056			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0011 (JD)			
7/29/2016	<0.005	<0.005	0.0008 (J)			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			<0.005	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				0.0007 (JD)			
3/28/2017					0.0007 (J)		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			0.0007 (J)				
5/24/2017							<0.005
6/7/2017					<0.005		
6/8/2017				0.0007 (JD)			
6/9/2017	0.0005 (J)		0.0006 (J)				
6/12/2017		<0.005				<0.005	
7/17/2017				0.0005 (JD)			
7/27/2017				<0.005			
8/9/2017				0.0008 (J)			
9/26/2017					<0.005		0.0005 (J)
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	0.0005 (J)				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	0.00085 (J)		0.001 (J)	<0.005			
3/19/2018		<0.005				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					0.00043 (J)		0.00068 (J)
9/12/2019	0.0004 (J)	<0.005 (D)					
9/13/2019			0.00051 (J)			<0.005	
3/9/2020				0.00083 (J)	<0.005		<0.005
3/11/2020	0.00088 (J)	<0.005	0.00044 (J)			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	0.00081 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					
3/29/2021						0.001 (J)	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0031 (J)			<0.005	
1/31/2022					0.0021 (J)		<0.005
2/1/2022	<0.005	0.0019 (J)	0.0053				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	0.0033 (J)	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					<0.005		<0.005
7/27/2023	<0.005	<0.005	<0.005				
8/1/2023						<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0012 (J)					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						0.0019 (J)	
3/24/2017	<0.005						
3/27/2017		0.0008 (J)	<0.005				
3/28/2017				<0.005	0.0005 (J)		
4/7/2017						0.0008 (J)	<0.005
6/6/2017	<0.005 (*)	<0.005 (*)		<0.005 (*)	<0.005 (*)		
6/7/2017			<0.005 (*)				
6/12/2017							<0.005
6/14/2017						0.0006 (JD)	
7/12/2017						<0.005 (D)	
7/20/2017						0.0009 (JD)	
7/28/2017						<0.005	
8/9/2017						0.0011 (J)	
8/24/2017						0.0007 (J)	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	0.001 (J)					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						0.0005 (JD)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						0.0012 (J)	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						0.0006 (JD)	
9/13/2019							<0.005
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							<0.005
3/12/2020						0.0033 (J)	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						0.0011 (J)	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						0.00098 (J)	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						0.0025 (J)	
1/31/2022	<0.005	<0.005	<0.005	0.0013 (J)	<0.005		
2/1/2022							<0.005
2/3/2022						0.0034 (J)	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	
7/25/2023	<0.005	<0.005		<0.005	<0.005		
7/26/2023			<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.005	<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		0.0079	<0.005				
1/16/2008						0.0086	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		<0.005	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.005						
12/13/2008		0.015 (O)				0.012	0.0096
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						0.008	
4/23/2009	<0.005						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	0.0057		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0081	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/28/2010							<0.005
5/3/2010	0.012 (O)						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						0.0067	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	<0.005						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						0.0086	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005
4/3/2013		<0.005	<0.005	<0.005	<0.005		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/10/2013	<0.005						
10/8/2013							<0.005
10/9/2013				<0.005	0.006	0.0094	
10/15/2013		<0.005	<0.005				
10/16/2013	<0.005						
4/1/2014						0.0097	<0.005
4/2/2014				<0.005	0.005 (J)		
4/9/2014		<0.005	<0.005				
4/22/2014	<0.005						
10/1/2014	<0.005						0.0022 (J)
10/2/2014		<0.005	<0.005	<0.005	0.0036 (J)	0.0055	
3/30/2015	<0.005						
4/1/2015				<0.005	0.0077	0.011	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	0.0071		
10/12/2015			<0.005				
10/14/2015						0.007	
10/15/2015							<0.005
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	0.00315 (J)	0.00645	0.00124 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	0.00313 (J)		
5/27/2016						0.00692	
5/31/2016							<0.005
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		0.0068	
8/4/2016					0.0032 (J)		<0.005
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	0.0029 (J)		
9/29/2016							<0.005
9/30/2016						0.0065	
11/11/2016	<0.005						
11/22/2016		<0.005	<0.005	<0.005	0.0048 (J)	0.0066	
11/28/2016							<0.005
1/30/2017	<0.005						
2/7/2017		<0.005	<0.005				
2/8/2017				<0.005	0.0022 (J)		
2/9/2017							<0.005
2/13/2017						0.0092	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	0.002 (J)		
4/11/2017						0.0051	
4/12/2017							0.001 (J)
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			0.0056	
6/15/2017				<0.005	0.0014 (J)		
6/16/2017							0.0007 (J)
10/2/2017	<0.005						
10/4/2017		0.0006 (J)	<0.005	<0.005	0.002 (J)	0.0068	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/9/2017							0.0006 (J)
3/16/2018	<0.005						
3/20/2018		0.00079 (J)					
3/21/2018			<0.005	0.00058 (J)			0.0013 (J)
3/22/2018					0.0022 (J)	0.0055	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0064	
9/19/2018							<0.005
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	0.0016 (J)	0.0055	0.00067 (J)
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	0.0016 (J)	0.00465 (JD)	
9/18/2019							0.00052 (J)
3/11/2020	<0.005						
3/12/2020		<0.005	<0.005	<0.005	0.0012 (J)	0.0053	
3/13/2020							0.00096 (J)
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	0.0012 (J)	0.0065	
9/22/2020							0.00098 (J)
3/17/2021	<0.005						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	0.0013 (J)	0.0052	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	0.0017 (J)	0.0042 (J)	<0.005
2/2/2022	<0.005					0.0027 (J)	
2/4/2022		0.0023 (J)	0.0019 (J)	0.0023 (J)	0.0035 (J)		
2/17/2022							<0.005
8/17/2022	<0.005	<0.005					
8/18/2022			<0.005	<0.005	<0.005	0.0037 (J)	<0.005
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						0.0094 (J)	
2/22/2023							<0.005
7/28/2023	<0.005						
7/31/2023		<0.005	<0.005				
8/1/2023				<0.005	<0.005	0.0065	<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	0.0077			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0079					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		0.014 (O)	<0.005	0.0061			
12/12/2008	0.02 (O)						
4/16/2009		0.0069					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0066						
10/19/2009			<0.005				
10/20/2009		0.0054		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	0.016 (O)						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	0.005 (J)			
9/30/2014		<0.005	<0.005	0.0025 (J)			
10/1/2014	0.0021 (J)						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.00101 (J)	<0.005	<0.005
4/4/2016	0.00144 (J)						
4/5/2016		<0.005	<0.005	0.00153 (J)			
5/16/2016					<0.005	<0.005 (D)	<0.005
5/31/2016			<0.005	0.00261 (J)			
6/1/2016	0.0011 (JD)	<0.005					
7/25/2016					<0.005	<0.005 (D)	<0.005
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005
11/4/2016						<0.005 (D)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	<0.005						
3/28/2017					0.0009 (J)		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	0.0011 (JD)	<0.005		0.0007 (J)			
4/12/2017			0.0005 (J)				
6/5/2017					0.0033 (J)		
6/7/2017						<0.005	<0.005 (*)
6/14/2017		<0.005					
6/15/2017			<0.005	<0.005			
6/16/2017	0.0043 (JD)						
7/12/2017	0.0013 (JD)	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	0.0013 (J)						
8/10/2017	0.0011 (J)						
9/26/2017					0.0008 (J)		
9/27/2017						<0.005	0.0006 (J)
10/5/2017		<0.005					
10/6/2017	0.0013 (JD)		0.0008 (J)	0.0009 (J)			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		0.00096 (J)					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	0.00097 (J)	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	0.00045 (X)						
3/10/2020					0.0013 (J)	<0.005	<0.005
3/13/2020		<0.005	0.00047 (J)	0.00052 (J)			
3/17/2020	0.00067 (J)						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	0.00086 (J)						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	0.00084 (J)						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		
2/1/2022						<0.005	<0.005
2/4/2022	0.0035 (J)	0.0019 (J)	0.0026 (J)				
2/7/2022				0.0025 (J)			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	0.0031 (J)	<0.005	<0.005	<0.005			
7/26/2023					0.0038 (J)	0.0038 (J)	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	<0.005		<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							<0.005
10/16/2013							<0.005
4/23/2014							<0.005
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	0.00136 (J)	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	0.00127 (J)		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	<0.005						
7/27/2016		<0.005	0.0012 (J)	<0.005	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
11/11/2016							<0.005
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	0.0004 (J)			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	<0.005 (*)						
6/8/2017		0.0006 (J)	0.001 (J)	<0.005	<0.005		
6/9/2017						<0.005	
6/12/2017							0.0006 (J)
9/27/2017		<0.005	0.0009 (J)				
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	0.00091 (J)	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		0.00067 (J)	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	0.00051 (J)	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					0.00041 (J)		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							<0.005
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	0.0012 (J)			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005
7/26/2023	<0.005			<0.005			
7/27/2023		<0.005	0.0039 (J)		<0.005	0.0044 (J)	
7/28/2023							<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						0.0086
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0065
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	0.014 (O)					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.0029 (J)	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00116 (J)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0031 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0028 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0031 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0031 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	0.0006 (J)	<0.005	0.003 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0024 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0029 (J)			
10/3/2017	<0.005	<0.005	0.0018 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	0.00089 (J)					
3/20/2018		<0.005	0.0024 (J)		0.0006 (J)	<0.005
3/21/2018				0.00077 (J)		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00077 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					0.00063 (J)	
9/13/2019			0.0017 (J)			
9/16/2019	0.00071 (J)	0.00038 (J)		0.0004 (JD)	0.00043 (J)	0.00044 (J)
3/12/2020	0.00055 (J)	<0.005	0.00044 (J)	0.00039 (J)		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	0.0013 (J)	<0.005	<0.005	<0.005		
3/18/2021					0.00082 (J)	<0.005
8/10/2021	0.0016 (J)	<0.005	0.0013 (J)	<0.005	<0.005	<0.005
2/2/2022	<0.005	0.0012 (J)	0.002 (J)	0.0013 (J)	0.0011 (J)	0.0013 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.0028 (J)
7/28/2023		<0.005				
7/31/2023	<0.005		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.02	0.0073	0.0098			0.015 (O)	
10/23/2007	0.039						
10/24/2007		0.027	0.015				
11/2/2007						0.017 (O)	
11/18/2007	0.04 (J)	0.13 (O)	0.011			0.019 (O)	
1/30/2008	0.04						
1/31/2008		0.0077	0.13 (O)			0.011 (O)	
3/10/2008	0.033		0.0078				
3/11/2008		0.015				0.016 (O)	
5/6/2008		0.017					
5/13/2008	0.03		0.0077				
5/14/2008						0.013 (O)	
12/4/2008		0.14 (O)	0.0089				
12/5/2008	0.0087					0.021 (O)	
4/15/2009	0.023					0.012 (O)	
4/21/2009		0.018	0.013				
10/7/2009	0.15 (O)	0.014					
10/8/2009			0.008			0.011 (O)	
4/21/2010			0.01				
4/26/2010		0.017					
4/28/2010						0.0081	
5/3/2010	0.025						
9/28/2010			0.0036				
10/4/2010		0.011					
10/6/2010						0.0083	
10/12/2010	0.029						
4/12/2011			0.0084				
4/13/2011		0.026					
4/21/2011						0.0053	
4/27/2011	0.026						
10/4/2011			0.0066				
10/5/2011		0.021					
10/13/2011						0.0071	
10/17/2011	0.021						
4/3/2012			0.0625 (O)				
4/11/2012		0.0311					
5/1/2012						0.0067	
5/2/2012	0.0212						
10/8/2012	0.019						
10/9/2012		0.018	0.01			0.0055	
4/11/2013			0.021			0.0061	
4/12/2013	0.022						
4/15/2013		0.056					
10/15/2013		0.018					
10/16/2013	0.02		0.033			0.0062	
4/10/2014			0.021				
4/11/2014	0.018						
4/22/2014		0.035					
4/23/2014						0.0047	
9/30/2014	0.013	0.0041	0.0062				
10/4/2014						0.0055	
3/30/2015	0.021	0.036	0.011				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0076	
10/12/2015						0.0049	
10/13/2015	0.012	0.0048	0.0065				
3/14/2016					0.0234		
3/15/2016							0.0101
3/22/2016	0.0182						
3/23/2016		0.0271	0.0206			0.00742 (J)	
5/11/2016					0.00793 (J)		0.00992 (J)
5/16/2016				0.0113 (D)			
5/19/2016	0.0193		0.0109				
5/20/2016		0.0206					
5/23/2016						0.00532 (J)	
7/19/2016					0.0045 (J)		
7/21/2016							0.009 (J)
7/27/2016				0.0114 (D)			
7/29/2016	0.0174	0.0275	0.007 (J)			0.0053 (J)	
9/15/2016					0.0057 (J)		0.0109
9/22/2016			0.0071 (J)			0.0058 (J)	
9/23/2016	0.0168	0.0384					
11/2/2016					0.0043 (J)		
11/3/2016							0.0115
11/9/2016	0.0171	0.0266					
11/10/2016			0.0052 (J)			0.0051 (J)	
1/17/2017							0.0101
1/18/2017					<0.01 (*)		
1/30/2017	0.019						
1/31/2017		0.0094 (J)	0.0076 (J)			0.0054 (J)	
2/21/2017				0.0178			
3/24/2017							0.0086 (J)
3/27/2017				0.0162 (D)			
3/28/2017					0.0188		
3/30/2017	0.0184	0.0262				0.0049 (J)	
4/3/2017			0.007 (J)				
5/24/2017							0.0087 (J)
6/7/2017					0.0273		
6/8/2017				0.0156 (D)			
6/9/2017	0.0174		0.0074 (J)				
6/12/2017		0.0288				<0.01	
7/17/2017				0.016 (D)			
7/27/2017				0.0184			
8/9/2017				0.0162			
9/26/2017					0.0236		0.0075 (J)
9/29/2017				0.0159 (D)			
10/2/2017	0.0167	0.0048 (J)	0.0085 (J)				
10/4/2017						0.0047 (J)	
3/14/2018					0.027		0.0064 (J)
3/16/2018	0.016		0.015	0.016			
3/19/2018		0.037				0.0047 (J)	
9/12/2018					0.022		0.0075 (J)
9/14/2018		0.0059 (J)	0.0095 (J)	0.015			
9/17/2018	0.015 (D)					0.0041 (J)	
3/13/2019							0.0076 (J)

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.018			
3/15/2019					0.019		
3/19/2019			0.024				
3/20/2019	0.019	0.0072 (J)				0.0042 (J)	
9/9/2019					0.015		0.0078 (J)
9/12/2019	0.018	0.0058 (JD)					
9/13/2019			0.012			0.0042 (J)	
3/9/2020				0.017	0.0072 (J)		0.0088 (J)
3/11/2020	0.016	0.035	0.027			0.0041 (J)	
9/10/2020					0.0042 (J)		
9/11/2020							0.0079 (J)
9/15/2020	0.019	0.019	0.013				
9/16/2020				0.027			
3/10/2021							0.0083
3/12/2021					0.014		
3/16/2021	0.018		0.013	0.014			
3/17/2021		0.025					
3/29/2021						0.0073	
8/4/2021					0.011		0.008
8/6/2021				0.014			
8/9/2021	0.019	0.024	0.029			0.0073	
1/31/2022					0.013		0.0081
2/1/2022	0.015	0.026	0.024				
2/2/2022				0.013		0.0064	
8/10/2022					0.01		
8/12/2022							0.0076
8/16/2022	0.017	0.021	0.027	0.013		0.0067	
2/13/2023					0.018		0.0075
2/14/2023				0.014			
2/16/2023	0.018	0.029	0.028				
2/17/2023						0.0065	
7/25/2023				0.014			
7/26/2023					0.016		0.0081
7/27/2023	0.018	0.02	0.024				
8/1/2023						0.0074	

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.098 (O)
4/23/2009							0.013
10/6/2009							0.011
4/27/2010							0.016
9/30/2010							0.013
4/14/2011							0.011
10/5/2011							0.015
4/11/2012							0.0102
10/2/2012							0.0091
4/9/2013							0.01
10/15/2013							0.0098
4/10/2014							0.011
10/1/2014							0.0033
3/30/2015							0.0043
10/11/2015							0.0038
3/11/2016			0.00639 (J)	0.0116	0.00819 (J)		
3/15/2016	0.0291	0.0462					
3/28/2016							0.0133
5/12/2016	0.0322						
5/13/2016		0.0265		0.0361	0.00756 (J)		
5/16/2016			0.00622 (J)				
5/23/2016							0.0109
7/19/2016				0.036	0.0079 (J)		
7/20/2016	0.0313						
7/21/2016		0.0243					
7/22/2016			0.0062 (J)				
8/1/2016							0.0058 (J)
9/15/2016	0.0217						
9/16/2016				0.0259	0.0078 (J)		
9/19/2016			0.0064 (J)				
9/21/2016		0.0145					
9/26/2016							0.0092 (J)
11/2/2016				0.037	0.0082 (J)		
11/3/2016	0.0272	0.0082 (J)	0.0058 (J)				
11/10/2016							0.0083 (J)
1/17/2017		0.007 (J)	0.0061 (J)				
1/18/2017	0.0286 (J)			0.0248	0.0085 (J)		
1/30/2017							0.0117
2/22/2017						0.0273	
3/24/2017	0.0307						
3/27/2017		0.016	0.0063 (J)				
3/28/2017				0.0222	0.0084 (J)		
4/7/2017						0.024	0.0109
6/6/2017	0.0242	0.0301		0.02	0.0078 (J)		
6/7/2017			0.0064 (J)				
6/12/2017							<0.01
6/14/2017						0.027 (D)	
7/12/2017						0.027 (D)	
7/20/2017						0.0304 (D)	
7/28/2017						0.0269	
8/9/2017						0.0254	
8/24/2017						0.0285	

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				0.0179	0.0076 (J)		
9/25/2017	0.0252	0.0169					
9/26/2017			0.006 (J)				
10/2/2017							0.0122
10/3/2017						0.0294 (D)	
3/14/2018	0.021	0.036	0.0065 (J)	0.016			
3/15/2018					0.0092 (J)		
3/16/2018							0.0084 (J)
3/21/2018						0.03	
9/12/2018	0.025	0.021		0.017	0.008 (J)		
9/14/2018			0.0065 (J)				
9/17/2018							0.01
9/18/2018						0.032	
3/13/2019				0.014	0.0077 (J)		
3/14/2019	0.028	0.04	0.0066 (J)				
3/19/2019							0.012
3/21/2019						0.04 (D)	
9/10/2019	0.0195 (D)	0.031	0.0068 (J)				
9/11/2019				0.015	0.0079 (J)		
9/12/2019						0.034 (D)	
9/13/2019							0.0088 (J)
3/6/2020	0.022		0.0066 (J)				
3/9/2020		0.031		0.012	0.0069 (J)		
3/11/2020							0.0077 (J)
3/12/2020						0.053	
9/10/2020	0.024	0.031	0.0059 (J)				
9/11/2020				0.024			
9/14/2020					0.0075 (J)		
9/16/2020							0.0081 (J)
9/17/2020						0.036	
3/10/2021		0.023					
3/11/2021	0.024		0.0061	0.0096	0.0069		
3/16/2021						0.042	
3/17/2021							0.0074
8/4/2021	0.021	0.021	0.0061				
8/5/2021					0.0069		
8/6/2021				0.015			
8/9/2021							0.0071
8/10/2021						0.045	
1/31/2022	0.022	0.031	0.0063	0.014	0.0076		
2/1/2022							0.0065
2/3/2022						0.063	
8/10/2022			0.0063		0.0066		
8/11/2022	0.022	0.019		0.016			
8/16/2022							0.0072
8/17/2022						0.034	
2/13/2023	0.029	0.028	0.0061		0.0064		
2/14/2023				0.011			
2/16/2023							0.0067
2/17/2023						0.043	
7/25/2023	0.018	0.023		0.012	0.0073		
7/26/2023			0.0064				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						0.043	0.0075

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.021	0.027	0.034	0.01	0.023	0.065
11/1/2007		0.017	0.024	0.036	0.012	0.034	0.019
11/18/2007				0.036	0.011		
11/19/2007						0.043	0.015
11/20/2007		0.1 (O)	0.022				
1/16/2008						0.13 (O)	
1/30/2008		0.035	0.033 (J)	0.031 (J)	0.013		
1/31/2008							0.022
3/5/2008				0.018		0.07	0.012
3/6/2008		0.042	0.019		0.017		
5/7/2008				0.015	0.0066		
5/8/2008			0.017				
5/12/2008		0.0087					0.014
5/13/2008						0.039	
12/12/2008	0.016						
12/13/2008		0.12 (O)				0.13 (O)	0.11 (O)
12/14/2008			0.02	0.12 (O)	0.013		
4/16/2009						0.13 (O)	
4/23/2009	0.14 (O)						
4/28/2009							0.12 (O)
4/29/2009		0.11 (O)	0.017	0.0079	0.0098		
10/6/2009	0.12 (O)						
10/20/2009		0.016					
10/21/2009			0.021			0.033	0.023
10/22/2009				0.007	0.013		
4/21/2010			0.019	0.0074	0.0069		
4/26/2010		0.016					
4/27/2010						0.11 (O)	
4/28/2010							0.019
5/3/2010	0.12 (O)						
9/28/2010			0.018	0.0068			
9/29/2010		0.016			0.0049		
10/5/2010						0.027	0.018
10/11/2010	0.019						
4/12/2011			0.017	0.0089			
4/13/2011		0.012			0.0074		
4/19/2011						0.025	0.019
4/27/2011	0.02						
10/4/2011			0.022	0.012	0.0062		
10/5/2011		0.014					
10/12/2011						0.025	
10/18/2011							0.025
10/19/2011	0.014						
4/3/2012			0.0212	0.0169			
4/4/2012		0.017			0.0091		
4/24/2012						0.027	
4/25/2012							0.024
5/1/2012	0.0199						
10/2/2012	0.015					0.013	0.019
10/3/2012		0.015		0.03	0.0089		
10/8/2012			0.019				
4/2/2013						0.031	0.021

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.018	0.021	0.008	0.012		
4/10/2013	0.016						
10/8/2013							0.027
10/9/2013				0.0093	0.0079	0.025	
10/15/2013		0.018	0.022				
10/16/2013	0.017						
4/1/2014						0.023	0.023
4/2/2014				0.031	0.0086		
4/9/2014		0.019	0.02				
4/22/2014	0.017						
10/1/2014	0.013						0.014
10/2/2014		0.016	0.023	0.035	0.01	0.025	
3/30/2015	0.014						
4/1/2015				0.013	0.019	0.025	0.027
4/2/2015		0.017	0.022				
10/10/2015		0.014					
10/11/2015	0.0093			0.0079	0.014		
10/12/2015			0.028				
10/14/2015						0.027	
10/15/2015							0.033
3/28/2016	0.0155						
3/31/2016		0.0179	0.0273				
4/4/2016				0.0119	0.0176	0.0285	0.027
5/25/2016	0.0143						
5/26/2016		0.0186	0.0305	0.0127	0.0195		
5/27/2016						0.0257	
5/31/2016							0.0283
8/1/2016	0.0129						
8/3/2016			0.0284	0.0121		0.0237	
8/4/2016					0.0151		0.0358
8/5/2016		0.0138					
9/26/2016	0.0177						
9/28/2016		0.0153	0.036	0.0112	0.0132		
9/29/2016							0.0437
9/30/2016						0.0279	
11/11/2016	0.0117						
11/22/2016		0.0184 (J)	0.0341 (J)	0.0155 (J)	0.0186 (J)	0.0286 (J)	
11/28/2016							0.0419 (J)
1/30/2017	0.0113						
2/7/2017		0.0215	0.0309				
2/8/2017				0.0115	0.015		
2/9/2017							0.0472
2/13/2017						0.0313	
4/3/2017	0.0166						
4/10/2017		0.0247	0.0235	<0.0117	0.0172		
4/11/2017						0.0254	
4/12/2017							0.0383
6/12/2017	0.017						
6/14/2017		0.0227	0.0258			0.0241	
6/15/2017				0.0112	0.0167		
6/16/2017							0.0457
10/2/2017	0.0157						

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		0.0172	0.0234	0.0093 (J)	0.0156	0.0256	
10/9/2017							0.0406
3/16/2018	0.012						
3/20/2018		0.021					
3/21/2018			0.022	0.012			0.032
3/22/2018					0.017	0.024	
9/18/2018	0.0099 (J)	0.02	0.03	0.011	0.017	0.025	
9/19/2018							0.034
3/19/2019	0.013						
3/22/2019		0.024	0.022				
3/23/2019				0.0081 (J)	0.019	0.024	0.023
9/12/2019	0.011						
9/17/2019		0.016	0.03	0.011	0.018	0.0245 (D)	
9/18/2019							0.033
3/11/2020	0.0095 (J)						
3/12/2020		0.026	0.028	0.0086 (J)	0.021	0.023	
3/13/2020							0.023
9/15/2020	0.0089 (J)						
9/17/2020		0.013	0.022				
9/21/2020				0.0093 (J)	0.016	0.023	
9/22/2020							0.027
3/17/2021	0.012						
3/18/2021		0.025	0.027				0.023
3/19/2021				0.011	0.021	0.024	
8/9/2021	0.0089						
8/10/2021		0.023					
8/11/2021			0.027	0.0086	0.021	0.025	0.025
2/2/2022	0.009					0.023	
2/4/2022		0.022	0.028	0.01	0.021		
2/17/2022							0.02
8/17/2022	0.0091	0.016					
8/18/2022			0.025	0.0078	0.019	0.022	0.021
2/16/2023	0.0081						
2/20/2023		0.02	0.024	0.0071	0.02		
2/21/2023						0.023	
2/22/2023							0.022
7/28/2023	0.0079						
7/31/2023		0.015	0.024				
8/1/2023				0.0096	0.018	0.022	0.026

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	0.0095						
8/23/2007			0.015				
8/24/2007		0.0089		0.017			
11/1/2007	0.02						
11/2/2007		0.0091	0.024	0.011			
11/17/2007		0.021	0.027				
11/18/2007				0.012 (J)			
11/19/2007	0.023						
1/15/2008		0.013	0.022	0.088 (O)			
1/31/2008	0.028						
3/5/2008	0.022	0.11 (O)					
3/6/2008			0.021				
3/10/2008				0.0077			
5/7/2008	0.019	0.01	0.023				
5/13/2008				0.0055			
12/2/2008		0.12 (O)	0.024	0.0097			
12/12/2008	0.19 (O)						
4/16/2009		0.13 (O)					
4/28/2009			0.031	0.0042			
4/29/2009	0.14 (O)						
10/19/2009			0.027				
10/20/2009		0.05		0.0056			
10/21/2009	0.034						
4/20/2010		0.019					
4/27/2010			0.051 (O)	0.0039			
4/28/2010	0.11 (O)						
9/29/2010		0.017					
10/4/2010			0.028				
10/5/2010				0.0047			
10/6/2010	0.018						
4/12/2011		0.014					
4/18/2011			0.026				
4/19/2011				0.0071			
4/20/2011	0.015						
10/4/2011		0.017					
10/12/2011	0.019		0.026	0.0098			
4/4/2012		0.0182					
4/23/2012			0.0224				
4/25/2012	0.0158			0.0088			
10/2/2012	0.036						
10/10/2012		0.048	0.024	0.0093			
4/2/2013	0.039						
4/15/2013		0.03	0.029				
4/16/2013				0.0098			
10/8/2013	0.016						
10/22/2013		0.033	0.022	0.0097			
4/1/2014	0.017						
4/21/2014		0.033	0.025	0.008			
9/30/2014		0.027	0.022	0.0074			
10/1/2014	0.018						
3/31/2015	0.021						
4/3/2015		0.13 (O)	0.022	0.0076			

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0088			
10/7/2015		0.047	0.023				
10/14/2015	0.013						
3/16/2016					0.0545	0.00599 (J)	0.0244
4/4/2016	0.0222						
4/5/2016		0.0279	0.0308	0.00971 (J)			
5/16/2016					0.0418	0.006 (J)	0.0222
5/31/2016			0.0255	0.00589 (J)			
6/1/2016	0.0283	0.0249					
7/25/2016					0.0179	0.0056 (J)	0.02
8/4/2016			0.0227				
8/9/2016		0.0268					
9/19/2016					0.0152	0.0059 (J)	0.019
9/29/2016			0.0258				
11/3/2016					0.0127		0.0177
11/4/2016						0.0054 (J)	
11/23/2016			0.0263 (J)	<0.05			
11/28/2016		<0.01					
1/19/2017					0.0172		
1/20/2017							0.0173
1/23/2017						0.006 (J)	
2/9/2017		0.0119					
2/10/2017			0.025	0.0233			
2/22/2017	0.0561						
3/28/2017					0.0437		
3/29/2017						0.0058 (J)	0.0184
4/11/2017	0.0748	0.0112 (D)		0.0162			
4/12/2017			0.026				
6/5/2017					0.0747		
6/7/2017						0.0062 (J)	0.019
6/14/2017		<0.01					
6/15/2017			0.0244	0.0148			
6/16/2017	0.0661						
7/12/2017	0.0932	0.0105		0.0166			
7/26/2017				0.0146			
7/28/2017	0.0808						
8/10/2017	0.0743						
9/26/2017					0.0338		
9/27/2017						0.0056 (J)	0.0197
10/5/2017		0.0099 (J)					
10/6/2017	0.0699		0.0254	0.015			
12/28/2017	0.082 (Y)						
3/15/2018					0.059	0.0057 (J)	0.021
3/22/2018		0.011					
3/23/2018	0.086		0.021	0.013			
9/12/2018					0.032		
9/13/2018						0.0057 (J)	0.022
9/19/2018		0.013	0.02	0.015			
9/20/2018	0.093						
3/14/2019					0.077	0.0066 (J)	0.024
3/22/2019	0.086	0.014		0.014			
3/25/2019			0.021				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/11/2019					0.036	0.0061 (J)	0.021
9/17/2019		0.015	0.023	0.014			
9/18/2019	0.097						
3/10/2020					0.059	0.0061 (J)	0.024
3/13/2020		0.017	0.02	0.014			
3/17/2020	0.097						
9/11/2020						0.006 (J)	0.021
9/15/2020					0.035		
9/21/2020		0.013	0.021	0.013			
9/22/2020	0.095						
3/11/2021					0.046	0.0059	0.022
3/18/2021		0.014	0.02	0.012			
3/19/2021	0.086						
8/4/2021					0.047		
8/6/2021						0.0061	0.023
8/11/2021		0.016	0.019	0.013			
8/12/2021	0.094						
1/31/2022					0.047		
2/1/2022						0.0072	0.026
2/4/2022	0.11	0.014	0.017				
2/7/2022				0.012			
8/12/2022						0.0064	0.022
8/15/2022					0.04		
8/18/2022		0.014					
8/19/2022	0.1		0.016	0.011			
2/14/2023					0.042	0.0067	0.025
2/22/2023	0.099	0.014	0.016	0.01			
7/26/2023					0.02	0.007	0.022
8/1/2023		0.013		0.011			
8/2/2023	0.092		0.015				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.017
10/25/2007							0.023
11/19/2007							0.024
1/23/2008							0.028
3/11/2008							0.022
5/12/2008							0.021
12/11/2008							0.022
4/15/2009							0.13 (O)
10/9/2009							0.026
5/4/2010							0.018
10/12/2010							0.019
4/28/2011							0.015
10/19/2011							0.016
5/2/2012							0.0191
10/9/2012							0.019
4/11/2013							0.013
10/16/2013							0.017
4/23/2014							0.015
10/3/2014							0.02
3/31/2015							0.014
10/12/2015							0.017
3/10/2016	0.0209	0.0144	0.0344	0.0361			
3/17/2016					0.0112	0.0121	
3/28/2016							0.0173
5/17/2016	0.0202			0.0277			
5/18/2016		0.0136	0.0184		0.0107	0.0117	
5/25/2016							0.0175
7/26/2016	0.0165						
7/27/2016		0.013	0.0146	0.0276	0.0104		
7/28/2016						0.0081 (J)	
8/1/2016							0.0145
9/20/2016	0.0132	0.0146	0.0122	0.0266			
9/21/2016					0.0106	0.0106	
9/27/2016							0.0139
11/4/2016	0.012		0.0119	0.0239	0.0098 (J)		
11/7/2016		0.0124				0.0047 (J)	
11/11/2016							0.0135
1/20/2017	0.0133		0.0114				
1/23/2017		0.0158		<0.01			
1/24/2017					0.0101	0.0071 (J)	
1/31/2017							0.0153
3/28/2017	0.0161			0.024			
3/29/2017		0.017	0.0116		0.0103		
3/30/2017						0.0043 (J)	
4/3/2017							0.0135
6/7/2017	0.0141						
6/8/2017		0.0149	<0.011 (*)	0.0317	<0.0106 (*)		
6/9/2017						<0.01 (*)	
6/12/2017							0.0154
9/27/2017		0.012	0.0098 (J)				
9/29/2017	0.0151			0.0265	0.0097 (J)	0.004 (J)	
10/3/2017							0.0138

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.023					
8/23/2007						0.043
10/25/2007	0.018					
11/1/2007						0.032
11/19/2007						0.049 (J)
11/20/2007	0.1 (O)					
1/15/2008						0.12 (O)
1/23/2008	0.031					
3/6/2008						0.075 (O)
3/11/2008	0.016					
5/13/2008						0.055
5/14/2008	0.024					
12/11/2008	0.022					
12/12/2008						0.16 (O)
4/16/2009						0.15 (O)
4/23/2009	0.012					
10/9/2009	0.11 (O)					
10/13/2009						0.05
4/21/2010						0.039
5/4/2010	0.096 (O)					
9/29/2010						0.033
10/11/2010	0.018					
4/13/2011						0.033
4/26/2011	0.01					
10/5/2011						0.035
10/18/2011	0.012			0.015		
4/4/2012						0.0422
4/30/2012				0.0192		
5/2/2012	0.0119					
10/3/2012				0.017		
10/8/2012	0.01					0.029
4/8/2013				0.018		0.042
4/10/2013	0.013					
10/8/2013	0.014					
10/9/2013				0.021		0.04
4/9/2014						0.038
4/10/2014				0.019		
4/14/2014	0.01					
9/30/2014						0.038
10/2/2014				0.014		
10/3/2014	0.014					
4/1/2015	0.013					
4/2/2015						0.039
4/3/2015				0.014		
5/26/2015		0.016			0.06	
6/18/2015		0.015 (D)			0.047 (D)	
7/2/2015		0.014			0.04	
10/8/2015				0.024	0.032	
10/9/2015	0.008	0.012				
10/10/2015						0.038 (D)
3/22/2016					0.0263	
3/29/2016	0.00738 (J)	0.00786 (J)				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.0163		0.0412
5/24/2016	0.00902 (J)	0.00847 (J)		0.0137		
5/25/2016					0.0178	
5/26/2016						0.0357
5/31/2016			0.0178			
8/1/2016	0.0091 (J)	0.0086 (J)				
8/2/2016			0.0394	0.0152	0.0265	
8/5/2016						0.03
9/26/2016	0.0124	0.0086 (J)			0.0267	
9/27/2016			0.032	0.0147		
9/28/2016						0.0308
11/14/2016		0.0083 (J)				
11/18/2016	0.0117					
11/21/2016			0.0316 (J)		0.0309 (J)	0.0356 (J)
11/22/2016				0.0174 (J)		
2/1/2017	0.0086 (J)	0.0096 (J)	0.0264			
2/3/2017					0.0289	
2/6/2017				0.0144		0.0391
4/6/2017	0.0083 (J)	0.0087 (J)	0.0245	0.0149		0.0402
4/7/2017					0.029	
6/13/2017	<0.01	<0.01	0.0247		0.027	0.0394
6/14/2017				0.0139		
7/14/2017			0.0245			
10/3/2017	0.0084 (J)	0.0098 (J)	0.0218		0.0292	0.0381
10/4/2017				0.015		
3/19/2018	0.0079 (J)					
3/20/2018		0.0088 (J)	0.024		0.029	0.039
3/21/2018				0.015		
9/17/2018	0.0065 (J)	0.0082 (J)				
9/18/2018			0.027	0.014	0.025	0.037
3/21/2019	0.0074 (J)	0.0075 (J)	0.03			0.042
3/27/2019				0.014		
5/6/2019					0.017	
9/13/2019			0.031			
9/16/2019	0.0075 (J)	0.0072 (J)		0.015 (D)	0.026	0.035
3/12/2020	0.0075 (J)	0.0072 (J)	0.022	0.014		0.044
3/16/2020					0.027	
9/16/2020	0.0074 (J)	0.0066 (J)	0.02			
9/17/2020				0.014	0.025	0.031
3/17/2021	0.0075	0.0072	0.022	0.014		
3/18/2021					0.018	0.041
8/10/2021	0.0074	0.0072	0.02	0.014	0.029	0.043
2/2/2022	0.0064	0.0066	0.015	0.013	0.024	0.044
8/17/2022	0.0065	0.0068	0.014	0.013	0.017	0.047
2/17/2023	0.0067	0.0067				
2/20/2023			0.015		0.024	
2/21/2023				0.011		0.042
7/28/2023		0.0062				
7/31/2023	0.0067		0.014	0.012	0.024	0.046

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
9/30/2014	<0.003	<0.003	<0.003				
10/4/2014						<0.003	
3/30/2015	0.00029 (J)	<0.003	<0.003				
3/31/2015						<0.003	
10/12/2015						<0.003	
10/13/2015	<0.003	<0.003	<0.003				
3/14/2016					<0.003		
3/15/2016							<0.003
3/22/2016	<0.003						
3/23/2016		<0.003	<0.003			<0.003	
5/11/2016					<0.003		<0.003
5/16/2016				<0.003 (D)			
5/19/2016	<0.003		<0.003				
5/20/2016		<0.003					
5/23/2016						<0.003	
7/19/2016					<0.003		
7/21/2016							<0.003
7/27/2016				0.0004 (JD)			
7/29/2016	<0.003	<0.003	<0.003			<0.003	
9/15/2016					<0.003		<0.003
9/22/2016			<0.003			<0.003	
9/23/2016	<0.003	<0.003					
11/2/2016					<0.003		
11/3/2016							<0.003
11/9/2016	<0.003	<0.003					
11/10/2016			<0.003			<0.003	
1/17/2017							<0.003
1/18/2017					<0.003		
1/30/2017	<0.003						
1/31/2017		<0.003	<0.003			<0.003	
2/21/2017				<0.003			
3/24/2017							<0.003
3/27/2017				<0.003 (D)			
3/28/2017					<0.003		
3/30/2017	<0.003	<0.003				<0.003	
4/3/2017			<0.003				
5/24/2017							<0.003
6/7/2017					<0.003		
6/8/2017				<0.003 (D)			
6/9/2017	<0.003		<0.003				
6/12/2017		<0.003				<0.003	
7/17/2017				<0.003 (D)			
7/27/2017				<0.003			
8/9/2017				<0.003			
9/26/2017					<0.003		<0.003
9/29/2017				<0.003 (D)			
10/2/2017	<0.003	<0.003	<0.003				
10/4/2017						<0.003	
3/14/2018					<0.003		<0.003
3/16/2018	<0.003		<0.003	<0.003			
3/19/2018		<0.003				<0.003	
9/12/2018					<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
9/14/2018		<0.003	<0.003	<0.003			
9/17/2018	<0.003 (D)					<0.003	
3/13/2019							<0.003
3/14/2019				<0.003			
3/15/2019					<0.003		
3/19/2019			<0.003				
3/20/2019	<0.003	<0.003				<0.003	
9/9/2019					<0.003		<0.003
9/12/2019	<0.003	<0.003 (D)					
9/13/2019			<0.003			<0.003	
3/9/2020				<0.003	<0.003		<0.003
3/11/2020	<0.003	<0.003	<0.003			<0.003	
9/10/2020					<0.003		
9/11/2020							<0.003
9/15/2020	<0.003	<0.003	<0.003				
9/16/2020				<0.003			
3/10/2021							<0.003
3/12/2021					<0.003		
3/16/2021	<0.003		<0.003	<0.003			
3/17/2021		<0.003					
3/29/2021						<0.003	
8/4/2021					<0.003		<0.003
8/6/2021				<0.003			
8/9/2021	<0.003	<0.003	<0.003			<0.003	
1/31/2022					<0.003		<0.003
2/1/2022	<0.003	<0.003	<0.003				
2/2/2022				<0.003		<0.003	
8/10/2022					<0.003		
8/12/2022							<0.003
8/16/2022	<0.003	<0.003	<0.003	<0.003		<0.003	
2/13/2023					<0.003		<0.003
2/14/2023				<0.003			
2/16/2023	<0.003	<0.003	<0.003				
2/17/2023						<0.003	
7/25/2023				<0.003			
7/26/2023					<0.003		<0.003
7/27/2023	<0.003	<0.003	<0.003				
8/1/2023						<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/1/2014							<0.003
3/30/2015							<0.003
10/11/2015							<0.003
3/11/2016			<0.003	<0.003	<0.003		
3/15/2016	<0.003	<0.003					
3/28/2016							<0.003
5/12/2016	<0.003						
5/13/2016		<0.003		<0.003	<0.003		
5/16/2016			<0.003 (O)				
5/23/2016							<0.003
7/19/2016				<0.003	<0.003		
7/20/2016	<0.003						
7/21/2016		<0.003					
7/22/2016			0.0002 (J)				
8/1/2016							<0.003
9/15/2016	<0.003						
9/16/2016				<0.003	<0.003		
9/19/2016			0.0001 (J)				
9/21/2016		<0.003					
9/26/2016							<0.003
11/2/2016				<0.003	<0.003		
11/3/2016	<0.003	<0.003	0.0002 (J)				
11/10/2016							<0.003
1/17/2017		<0.003	0.0001 (J)				
1/18/2017	<0.003			<0.003	<0.003		
1/30/2017							<0.003
2/22/2017						<0.003	
3/24/2017	<0.003						
3/27/2017		<0.003	0.0001 (J)				
3/28/2017				<0.003	<0.003		
4/7/2017						<0.003	<0.003
6/6/2017	<0.003	<0.003		<0.003	<0.003		
6/7/2017			0.0001 (J)				
6/12/2017							<0.003
6/14/2017						<0.003 (D)	
7/12/2017						<0.003 (D)	
7/20/2017						<0.003 (D)	
7/28/2017						<0.003	
8/9/2017						<0.003	
8/24/2017						<0.003	
9/22/2017				<0.003	<0.003		
9/25/2017	<0.003	<0.003					
9/26/2017			0.0001 (J)				
10/2/2017							<0.003
10/3/2017						<0.003 (D)	
3/14/2018	<0.003	<0.003	0.00014 (J)	<0.003			
3/15/2018					5.1E-05 (J)		
3/16/2018							<0.003
3/21/2018						<0.003	
9/12/2018	<0.003	<0.003		<0.003	<0.003		
9/14/2018			0.00012 (J)				
9/17/2018							<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/18/2018						<0.003	
3/13/2019				<0.003	<0.003		
3/14/2019	<0.003	5.2E-05 (J)	0.00017 (J)				
3/19/2019							<0.003
3/21/2019						<0.003 (D)	
9/10/2019	<0.003 (D)	<0.003	0.00015 (J)				
9/11/2019				<0.003	<0.003		
9/12/2019						<0.003 (D)	
9/13/2019							<0.003
3/6/2020	<0.003		0.00017 (J)				
3/9/2020		<0.003		<0.003	<0.003		
3/11/2020							<0.003
3/12/2020						<0.003	
9/10/2020	<0.003	<0.003	0.00014 (J)				
9/11/2020				6.9E-05 (J)			
9/14/2020					<0.003		
9/16/2020							<0.003
9/17/2020						<0.003	
3/10/2021		<0.003					
3/11/2021	<0.003		0.00015 (J)	<0.003	<0.003		
3/16/2021						<0.003	
3/17/2021							<0.003
8/4/2021	<0.003	<0.003	0.00012 (J)				
8/5/2021					<0.003		
8/6/2021				<0.003			
8/9/2021							<0.003
8/10/2021						<0.003	
1/31/2022	<0.003	<0.003	0.00014 (J)	<0.003	<0.003		
2/1/2022							<0.003
2/3/2022						<0.003	
8/10/2022			0.00016 (J)		<0.003		
8/11/2022	<0.003	<0.003		7.6E-05 (J)			
8/16/2022							<0.003
8/17/2022						<0.003	
2/13/2023	<0.003	<0.003	0.00015 (J)		<0.003		
2/14/2023				<0.003			
2/16/2023							<0.003
2/17/2023						<0.003	
7/25/2023	<0.003	<0.003		<0.003	<0.003		
7/26/2023			0.00019 (J)				
7/28/2023						<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/1/2014	<0.003						<0.003
10/2/2014		<0.003	<0.003	<0.003	<0.003	<0.003	
3/30/2015	0.0002 (J)						
4/1/2015				<0.003	<0.003	<0.003	0.00022 (J)
4/2/2015		0.00015 (J)	<0.003				
10/10/2015		8.5E-05 (J)					
10/11/2015	<0.003			<0.003	<0.003		
10/12/2015			<0.003				
10/14/2015						<0.003	
10/15/2015							0.00018 (J)
3/28/2016	<0.003						
3/31/2016		<0.003	<0.003				
4/4/2016				<0.003	<0.003	<0.003	<0.003
5/25/2016	<0.003						
5/26/2016		<0.003	<0.003	<0.003	<0.003		
5/27/2016						<0.003	
5/31/2016							<0.003
8/1/2016	<0.003						
8/3/2016			<0.003	<0.003		<0.003	
8/4/2016					<0.003		<0.003
8/5/2016		<0.003					
9/26/2016	<0.003						
9/28/2016		<0.003	<0.003	<0.003	<0.003		
9/29/2016							9E-05 (J)
9/30/2016						<0.003	
11/11/2016	<0.003						
11/22/2016		<0.003	<0.003	<0.003	<0.003	<0.003	
11/28/2016							<0.003
1/30/2017	<0.003						
2/7/2017		<0.003	<0.003				
2/8/2017				<0.003	<0.003		
2/9/2017							<0.003
2/13/2017						<0.003	
4/3/2017	<0.003						
4/10/2017		<0.003	<0.003	<0.003	<0.003		
4/11/2017						<0.003	
4/12/2017							0.0001 (J)
6/12/2017	<0.003						
6/14/2017		<0.003	<0.003			<0.003	
6/15/2017				<0.003	<0.003		
6/16/2017							9E-05 (J)
10/2/2017	<0.003						
10/4/2017		<0.003	<0.003	<0.003	<0.003	<0.003	
10/9/2017							<0.003
3/16/2018	<0.003						
3/20/2018		0.00019 (J)					
3/21/2018			<0.003	<0.003			<0.003
3/22/2018					<0.003	<0.003	
9/18/2018	<0.003	5.4E-05 (J)	<0.003	<0.003	<0.003	<0.003	
9/19/2018							7E-05 (J)
3/19/2019	<0.003						
3/22/2019		0.00018 (J)	<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/23/2019				5.7E-05 (J)	<0.003	<0.003	6.1E-05 (J)
9/12/2019	<0.003						
9/17/2019		<0.003	<0.003	<0.003	<0.003	<0.003 (D)	
9/18/2019							7.4E-05 (J)
3/11/2020	<0.003						
3/12/2020		0.00017 (J)	<0.003	<0.003	<0.003	<0.003	
3/13/2020							8E-05 (J)
9/15/2020	8.5E-05 (J)						
9/17/2020		<0.003	<0.003				
9/21/2020				<0.003	<0.003	<0.003	
9/22/2020							<0.003
3/17/2021	<0.003						
3/18/2021		0.0001 (J)	<0.003				7E-05 (J)
3/19/2021				<0.003	<0.003	<0.003	
8/9/2021	<0.003						
8/10/2021		9.4E-05 (J)					
8/11/2021			<0.003	<0.003	<0.003	<0.003	7.4E-05 (J)
2/2/2022	5.5E-05 (J)					<0.003	
2/4/2022		0.00021 (J)	<0.003	<0.003	<0.003		
2/17/2022							8.9E-05 (J)
8/17/2022	<0.003	7E-05 (J)					
8/18/2022			<0.003	<0.003	<0.003	<0.003	<0.003
2/16/2023	<0.003						
2/20/2023		0.0003 (J)	<0.003	<0.003	<0.003		
2/21/2023						<0.003	
2/22/2023							<0.003
7/28/2023	<0.003						
7/31/2023		8.3E-05 (J)	<0.003				
8/1/2023				<0.003	<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/30/2014		<0.003	<0.003	<0.003			
10/1/2014	<0.003						
3/31/2015	<0.003						
4/3/2015		<0.003	<0.003	<0.003			
10/6/2015				<0.003			
10/7/2015		<0.003	<0.003				
10/14/2015	<0.003						
3/16/2016					<0.003	<0.003	<0.003
4/4/2016	<0.003						
4/5/2016		<0.003	<0.003	<0.003			
5/16/2016					<0.003	<0.003 (D)	<0.003 (D)
5/31/2016			<0.003	<0.003			
6/1/2016	<0.003 (D)	<0.003					
7/25/2016					<0.003	<0.003 (D)	<0.003 (D)
8/4/2016			<0.003				
8/9/2016		<0.003					
9/19/2016					<0.003	<0.003 (D)	<0.003 (D)
9/29/2016			<0.003				
11/3/2016					<0.003		<0.003 (D)
11/4/2016						<0.003 (D)	
11/23/2016			<0.003	<0.003			
11/28/2016		<0.003					
1/19/2017					<0.003		
1/20/2017							<0.003 (D)
1/23/2017						<0.003 (D)	
2/9/2017		0.0001 (J)					
2/10/2017			<0.003	<0.003			
2/22/2017	<0.003						
3/28/2017					8E-05 (J)		
3/29/2017						<0.003 (D)	<0.003 (D)
4/11/2017	<0.003	<0.003		<0.003			
4/12/2017			<0.003				
6/5/2017					9E-05 (J)		
6/7/2017						<0.003	<0.003
6/14/2017		<0.003					
6/15/2017			<0.003	<0.003			
6/16/2017	<0.003						
7/12/2017	<0.003	<0.003		<0.003			
7/26/2017				<0.003			
7/28/2017	<0.003						
8/10/2017	<0.003						
9/26/2017					<0.003		
9/27/2017						<0.003	<0.003
10/5/2017		<0.003					
10/6/2017	<0.003		<0.003	<0.003			
3/15/2018					7.7E-05 (J)	<0.003	<0.003
3/22/2018		0.00203 (JD)					
3/23/2018	<0.003		<0.003	<0.003			
9/12/2018					<0.003		
9/13/2018						<0.003	<0.003
9/19/2018		0.00014 (J)	<0.003	<0.003			
9/20/2018	<0.003						

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/14/2019					7.8E-05 (J)	<0.003 (D)	<0.003 (D)
3/22/2019	<0.003	9.4E-05 (J)		<0.003			
3/25/2019			<0.003				
9/11/2019					<0.003	<0.003 (D)	<0.003 (D)
9/17/2019		0.00013 (X)	<0.003	<0.003			
9/18/2019	<0.003						
3/10/2020					7.4E-05 (J)	<0.003	<0.003
3/13/2020		0.00016 (J)	<0.003	<0.003			
3/17/2020	<0.003						
9/11/2020						<0.003	5.6E-05 (J)
9/15/2020					5.7E-05 (J)		
9/21/2020		9.5E-05 (J)	<0.003	<0.003			
9/22/2020	<0.003						
3/11/2021					6.4E-05 (J)	<0.003	<0.003
3/18/2021		0.00012 (J)	<0.003	<0.003			
3/19/2021	<0.003						
8/4/2021					6.7E-05 (J)		
8/6/2021						<0.003	<0.003
8/11/2021		0.00011 (J)	<0.003	<0.003			
8/12/2021	<0.003						
1/31/2022					6.5E-05 (J)		
2/1/2022						<0.003	<0.003
2/4/2022	<0.003	0.00011 (J)	<0.003				
2/7/2022				<0.003			
8/12/2022						<0.003	<0.003
8/15/2022					5.7E-05 (J)		
8/18/2022		0.00011 (J)					
8/19/2022	<0.003		<0.003	<0.003			
2/14/2023					6.2E-05 (J)	<0.003	<0.003
2/22/2023	<0.003	9.4E-05 (J)	<0.003	<0.003			
7/26/2023					5.7E-05 (J)	<0.003	<0.003
8/1/2023		9.4E-05 (J)		<0.003			
8/2/2023	<0.003		<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
10/3/2014							0.00073 (J)
3/31/2015							0.00057 (J)
10/12/2015							0.00054 (J)
3/10/2016	<0.003	<0.003	<0.003	<0.003			
3/17/2016					<0.003	<0.003	
3/28/2016							<0.003
5/17/2016	<0.003			<0.003			
5/18/2016		<0.003	<0.003		<0.003	<0.003	
5/25/2016							<0.003
7/26/2016	<0.003						
7/27/2016		<0.003	<0.003	0.0002 (J)	<0.003		
7/28/2016						<0.003	
8/1/2016							0.0006 (J)
9/20/2016	<0.003	<0.003	<0.003	0.0002 (J)			
9/21/2016					<0.003	<0.003	
9/27/2016							0.0007 (J)
11/4/2016	<0.003		<0.003	0.0002 (J)	<0.003		
11/7/2016		<0.003				<0.003	
11/11/2016							0.0007 (J)
1/20/2017	<0.003		<0.003				
1/23/2017		<0.003		<0.003			
1/24/2017					<0.003	<0.003	
1/31/2017							0.0007 (J)
3/28/2017	<0.003			0.0002 (J)			
3/29/2017		<0.003	<0.003		<0.003		
3/30/2017						<0.003	
4/3/2017							0.0007 (J)
6/7/2017	<0.003						
6/8/2017		<0.003	<0.003	0.0002 (J)	<0.003		
6/9/2017						<0.003	
6/12/2017							0.0004 (J)
9/27/2017		<0.003	<0.003				
9/29/2017	<0.003			0.0002 (J)	<0.003	<0.003	
10/3/2017							0.0006 (J)
3/15/2018	<0.003	<0.003		0.00025 (J)	<0.003	<0.003	
3/16/2018			<0.003				
3/19/2018							0.0005 (J)
9/13/2018	<0.003	<0.003	<0.003	0.00026 (J)	<0.003		
9/14/2018						<0.003	
9/17/2018							0.00053 (J)
3/15/2019		<0.003		0.00022 (J)			
3/18/2019	<0.003				<0.003		
3/19/2019			<0.003			<0.003	
3/20/2019							0.00046 (J)
9/11/2019	<0.003		<0.003	0.0003 (JD)	<0.003	<0.003	
9/12/2019		<0.003					
9/16/2019							0.00051 (J)
3/9/2020		<0.003	<0.003	0.00028 (J)		<0.003	
3/10/2020	<0.003						
3/11/2020					<0.003		
3/16/2020							0.00048 (J)
9/11/2020					<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/14/2020	<0.003	<0.003		0.00033 (J)		<0.003	
9/15/2020			<0.003				
9/16/2020							0.00069 (J)
3/11/2021	<0.003	<0.003	<0.003	0.00033 (J)			
3/15/2021					<0.003	<0.003	
3/17/2021							0.00061
8/4/2021				0.00031 (J)			
8/5/2021	<0.003	<0.003	<0.003			<0.003	
8/9/2021							0.00069
8/11/2021					<0.003		
1/31/2022	<0.003			0.00036 (J)			
2/1/2022		<0.003	<0.003		<0.003	<0.003	
2/2/2022							0.00075
4/28/2022							0.00078
8/15/2022	<0.003	<0.003	6.5E-05 (J)	0.00037 (J)	<0.003	<0.003	
8/16/2022							0.0006
2/14/2023	<0.003	<0.003	<0.003	0.00038 (J)	<0.003	<0.003	
2/20/2023							0.0006
7/26/2023	<0.003			0.00048 (J)			
7/27/2023		5.9E-05 (J)	<0.003		<0.003	<0.003	
7/28/2023							0.00076

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/30/2014						0.00013 (J)
10/2/2014				<0.003		
10/3/2014	0.00024 (J)					
4/1/2015	0.00021 (J)					
4/2/2015						0.00028 (J)
4/3/2015				<0.003		
5/26/2015		8.8E-05 (J)			<0.003	
6/18/2015		<0.003 (D)			0.0013 (D)	
7/2/2015		<0.003			<0.003	
10/8/2015				0.00025 (J)	<0.003	
10/9/2015	<0.003	<0.003				
10/10/2015						0.000245 (JD)
3/22/2016					<0.003	
3/29/2016	<0.003	<0.003				
3/30/2016				<0.003		<0.003
5/24/2016	<0.003	<0.003		<0.003		
5/25/2016					<0.003	
5/26/2016						<0.003
5/31/2016			<0.003			
8/1/2016	<0.003	<0.003				
8/2/2016			<0.003	<0.003	<0.003	
8/5/2016						<0.003
9/26/2016	<0.003	<0.003			<0.003	
9/27/2016			<0.003	<0.003		
9/28/2016						<0.003
11/14/2016		<0.003				
11/18/2016	<0.003					
11/21/2016			<0.003		<0.003	<0.003
11/22/2016				<0.003		
2/1/2017	<0.003	<0.003	<0.003			
2/3/2017					<0.003	
2/6/2017				<0.003		0.0002 (J)
4/6/2017	<0.003	<0.003	<0.003	<0.003		0.0002 (J)
4/7/2017					<0.003	
6/13/2017	<0.003	<0.003	<0.003		<0.003	0.0002 (J)
6/14/2017				<0.003		
7/14/2017			<0.003			
10/3/2017	<0.003	<0.003	<0.003		<0.003	0.0001 (J)
10/4/2017				<0.003		
3/19/2018	6.6E-05 (J)					
3/20/2018		6.8E-05 (J)	<0.003		<0.003	0.00022 (J)
3/21/2018				<0.003		
9/17/2018	<0.003	5.8E-05 (J)				
9/18/2018			<0.003	<0.003	<0.003	0.00014 (JD)
3/21/2019	<0.003	7.6E-05 (J)	<0.003			0.00015 (J)
3/27/2019				<0.003		
5/6/2019					0.0001 (J)	
9/13/2019			<0.003			
9/16/2019	<0.003	<0.003		<0.003 (D)	<0.003	0.0001 (J)
3/12/2020	<0.003	9.3E-05 (J)	<0.003	<0.003		0.00022 (J)
3/16/2020					<0.003	
9/16/2020	<0.003	6.7E-05 (J)	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
9/17/2020				<0.003	4.9E-05 (J)	4.8E-05 (J)
3/17/2021	<0.003	<0.003	<0.003	<0.003		
3/18/2021					8.5E-05 (J)	0.00016 (J)
8/10/2021	<0.003	6.1E-05 (J)	<0.003	<0.003	6.2E-05 (J)	0.00015 (J)
2/2/2022	<0.003	7E-05 (J)	<0.003	<0.003	6.4E-05 (J)	0.00018 (J)
8/17/2022	<0.003	9.8E-05 (J)	<0.003	<0.003	0.0001 (J)	0.00017 (J)
2/17/2023	<0.003	5.4E-05 (J)				
2/20/2023			<0.003		<0.003	
2/21/2023				<0.003		0.00017 (J)
7/28/2023		<0.003				
7/31/2023	<0.003		<0.003	<0.003	5.6E-05 (J)	9.7E-05 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					<0.04		
3/15/2016							<0.04
3/22/2016	<0.04						
3/23/2016		<0.04	<0.04			<0.04	
5/11/2016					<0.04		<0.04
5/16/2016				<0.04 (D)			
5/19/2016	<0.04		<0.04				
5/20/2016		<0.04					
5/23/2016						<0.04	
7/19/2016					<0.04 (*)		
7/21/2016							<0.04
7/27/2016				<0.04 (*)			
7/29/2016	<0.04	<0.04	<0.04			<0.04	
9/15/2016					0.0067 (J)		<0.04
9/22/2016			<0.04			<0.04	
9/23/2016	<0.04	<0.04					
11/2/2016					<0.04		
11/3/2016							<0.04 (*)
11/9/2016	<0.04	<0.04					
11/10/2016			<0.04			<0.04	
1/17/2017							<0.04
1/18/2017					<0.04		
1/30/2017	<0.04						
1/31/2017		<0.04	<0.04			<0.04	
2/21/2017				0.0218 (JD)			
3/24/2017							<0.04
3/27/2017				0.0262 (JD)			
3/28/2017					<0.04		
3/30/2017	0.0065 (J)	<0.04				<0.04	
4/3/2017			<0.04				
5/24/2017							<0.04
6/7/2017					<0.04 (*)		
6/8/2017				0.0067 (JD)			
6/9/2017	<0.04		<0.04				
6/12/2017		<0.04				<0.04	
7/17/2017				0.0165 (JD)			
7/27/2017				0.0138 (JD)			
8/9/2017				0.0069 (JD)			
9/26/2017					<0.04		0.0075 (J)
9/29/2017				0.0066 (JD)			
10/2/2017	<0.04	<0.04	<0.04				
10/4/2017						<0.04	
3/14/2018					<0.04		0.0093 (J)
3/16/2018	<0.04		0.0077 (J)	0.0067 (J)			
3/19/2018		0.013 (J)				0.0057 (J)	
9/12/2018					<0.04		<0.04
9/14/2018		<0.04	<0.04	0.0059 (J)			
9/17/2018	0.00625 (JD)					<0.04	
3/13/2019							<0.04
3/14/2019				0.0059 (X)			
3/15/2019					0.005 (X)		
3/19/2019			0.014 (J)				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/20/2019	0.0042 (J)	<0.04				<0.04	
9/9/2019					<0.04		<0.04
9/10/2019				0.0081 (X)			
9/12/2019	<0.04	<0.04 (D)					
9/13/2019			0.012 (J)			<0.04	
3/9/2020				0.0065 (J)	<0.04		0.0074 (J)
3/11/2020	<0.04	0.0068 (J)	0.017 (J)			0.0071 (J)	
9/10/2020					<0.04		
9/11/2020							<0.04
9/15/2020	0.01 (J)	0.0053 (J)	0.0074 (J)				
9/16/2020				0.015 (J)			
3/10/2021							<0.04
3/12/2021					0.011 (J)		
3/16/2021	<0.04		0.0061 (J)	<0.04			
3/17/2021		<0.04					
3/29/2021						<0.04	
8/4/2021					<0.04		<0.04
8/6/2021				<0.04			
8/9/2021	<0.04	<0.04	0.012 (J)			<0.04	
1/31/2022					<0.04		<0.04
2/1/2022	<0.04	<0.04	<0.04				
2/2/2022				<0.04		<0.04	
8/10/2022					<0.04		
8/12/2022							<0.04
8/16/2022	<0.04	<0.04	<0.04	<0.04		<0.04	
2/13/2023					<0.04		<0.04
2/14/2023				<0.04			
2/16/2023	<0.04	<0.04	0.017 (J)				
2/17/2023						<0.04	
7/25/2023				<0.04			
7/26/2023					0.012 (J)		0.0091 (J)
7/27/2023	0.015 (J)	<0.04	0.015 (J)				
8/1/2023						<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			<0.04	<0.04	<0.04		
3/15/2016	<0.04	<0.04					
3/28/2016							<0.04
5/12/2016	<0.04						
5/13/2016		<0.04		<0.04	<0.04		
5/16/2016			<0.04				
5/23/2016							<0.04
7/19/2016				<0.04 (*)	<0.04 (*)		
7/20/2016	<0.04						
7/21/2016		<0.04 (*)					
7/22/2016			0.0076 (J)				
8/1/2016							<0.04
9/15/2016	<0.04						
9/16/2016				<0.04	0.0246 (J)		
9/19/2016			<0.04				
9/21/2016		<0.04 (*)					
9/26/2016							<0.04
11/2/2016				<0.04	0.0279 (J)		
11/3/2016	<0.04	<0.04	<0.04				
11/10/2016							<0.04
1/17/2017		<0.04	<0.04				
1/18/2017	<0.04			<0.04	0.0336 (J)		
1/30/2017							<0.04
2/22/2017						0.022 (JD)	
3/24/2017	0.0154 (J)						
3/27/2017		0.0173 (J)	0.0101 (J)				
3/28/2017				<0.04	0.0313 (J)		
4/7/2017						0.0082 (JD)	0.008 (J)
6/6/2017	<0.04	<0.04 (*)		<0.04 (*)	<0.04 (*)		
6/7/2017			<0.04 (*)				
6/12/2017							<0.04
6/14/2017						0.008 (JD)	
7/12/2017						0.0082 (JD)	
7/20/2017						0.0091 (JD)	
7/28/2017						<0.04 (D)	
8/9/2017						0.0071 (JD)	
8/24/2017						0.0062 (JD)	
9/22/2017				<0.04	0.0294 (J)		
9/25/2017	<0.04	0.0141 (J)					
9/26/2017			<0.04				
10/2/2017							<0.04
10/3/2017						0.006 (JD)	
3/14/2018	0.011 (J)	0.014 (J)	<0.04	<0.04			
3/15/2018					0.018 (J)		
3/16/2018							<0.04
3/21/2018						0.0062 (J)	
9/12/2018	<0.04	0.013 (J)		<0.04	0.018 (J)		
9/14/2018			<0.04				
9/17/2018							<0.04
9/18/2018						0.0096 (J)	
3/13/2019				<0.04	0.012 (X)		
3/14/2019	0.007 (X)	0.015 (X)	<0.04				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<0.04
3/21/2019						0.0066 (JD)	
9/10/2019	<0.04	0.015 (X)	<0.04				
9/11/2019				0.0059 (X)	0.021 (X)		
9/12/2019						0.012 (JD)	
9/13/2019							<0.04
3/6/2020	0.013 (J)		0.0068 (J)				
3/9/2020		0.021 (J)		<0.04	0.017 (J)		
3/11/2020							0.0063 (J)
3/12/2020						0.014 (J)	
9/10/2020	<0.04	0.016 (J)	<0.04				
9/11/2020				<0.04			
9/14/2020					0.018 (J)		
9/16/2020							<0.04
9/17/2020						0.015 (J)	
3/10/2021		0.0098 (J)					
3/11/2021	0.0075 (J)		<0.04	<0.04	0.017 (J)		
3/16/2021						0.0092 (J)	
3/17/2021							<0.04
8/4/2021	<0.04	0.01 (J)	<0.04				
8/5/2021					0.0098 (J)		
8/6/2021				<0.04			
8/9/2021							<0.04
8/10/2021						0.01 (J)	
1/31/2022	<0.04	0.016 (J)	<0.04	<0.04	0.011 (J)		
2/1/2022							<0.04
2/3/2022						<0.04	
8/10/2022			<0.04		0.01 (J)		
8/11/2022	<0.04	<0.04		<0.04			
8/16/2022							<0.04
8/17/2022						<0.04	
2/13/2023	<0.04	0.017 (J)	<0.04		<0.04		
2/14/2023				<0.04			
2/16/2023							<0.04
2/17/2023						<0.04	
7/25/2023	0.012 (J)	0.011 (J)		<0.04	0.012 (J)		
7/26/2023			<0.04				
7/28/2023						<0.04	<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	<0.04						
3/31/2016		<0.04	<0.04				
4/4/2016				<0.04	<0.04	<0.04	<0.04
5/25/2016	<0.04						
5/26/2016		<0.04	<0.04	<0.04	<0.04		
5/27/2016						<0.04	
5/31/2016							<0.04
8/1/2016	<0.04						
8/3/2016			<0.04	<0.04		<0.04	
8/4/2016					<0.04		<0.04
8/5/2016		<0.04					
9/26/2016	<0.04						
9/28/2016		<0.04	0.0169 (J)	<0.04	<0.04		
9/29/2016							0.0192 (J)
9/30/2016						<0.04	
11/11/2016	0.0193 (J)						
11/22/2016		<0.04	0.0067 (J)	<0.04	0.0072 (J)	<0.04	
11/28/2016							0.0124 (J)
1/30/2017	<0.04						
2/7/2017		<0.04	<0.04				
2/8/2017				0.0085 (J)	0.0069 (J)		
2/9/2017							0.0157 (J)
2/13/2017						<0.04	
4/3/2017	<0.04						
4/10/2017		<0.04	<0.04	<0.04	<0.04		
4/11/2017						<0.04	
4/12/2017							0.0183 (J)
6/12/2017	<0.04						
6/14/2017		<0.04	<0.04			<0.04	
6/15/2017				<0.04	<0.04		
6/16/2017							0.0269 (J)
10/2/2017	<0.04						
10/4/2017		<0.04	<0.04	<0.04	0.0065 (J)	<0.04	
10/9/2017							0.0383 (J)
3/16/2018	<0.04						
3/20/2018		0.004 (J)					
3/21/2018			<0.04	<0.04			0.021 (J)
3/22/2018					<0.04	<0.04	
9/18/2018	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
9/19/2018							0.026 (J)
3/19/2019	<0.04						
3/22/2019		<0.04	<0.04				
3/23/2019				<0.04	<0.04	<0.04	0.012 (J)
9/12/2019	<0.04						
9/17/2019		<0.04	<0.04	<0.04	<0.04	<0.04 (D)	
9/18/2019							0.017 (J)
3/11/2020	0.007 (J)						
3/12/2020		<0.04	0.005 (J)	<0.04	0.0058 (J)	<0.04	
3/13/2020							0.014 (J)
9/15/2020	<0.04						
9/17/2020		<0.04	<0.04				
9/21/2020				<0.04	<0.04	<0.04	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							0.0087 (J)
3/17/2021	<0.04						
3/18/2021		<0.04	<0.04				0.0091 (J)
3/19/2021				<0.04	<0.04	<0.04	
8/9/2021	<0.04						
8/10/2021		<0.04					
8/11/2021			<0.04	<0.04	<0.04	<0.04	<0.04
2/2/2022	<0.04					<0.04	
2/4/2022		<0.04	<0.04	<0.04	<0.04		
2/17/2022							0.015 (J)
8/17/2022	<0.04	<0.04					
8/18/2022			<0.04	<0.04	<0.04	<0.04	<0.04
2/16/2023	<0.04						
2/20/2023		<0.04	<0.04	<0.04	<0.04		
2/21/2023						<0.04	
2/22/2023							<0.04
7/28/2023	<0.04						
7/31/2023		<0.04	<0.04				
8/1/2023				<0.04	<0.04	<0.04	0.012 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					<0.04	<0.04	<0.04
4/4/2016	<0.04						
4/5/2016		<0.04	<0.04	<0.04			
5/16/2016					<0.04	<0.04 (D)	<0.04 (D)
5/31/2016			<0.04	<0.04			
6/1/2016	<0.04	<0.04					
7/25/2016					<0.04	<0.04 (D)	0.0054 (JD)
8/4/2016			<0.04				
8/9/2016		0.0996 (O)					
9/19/2016					<0.04	<0.04 (D)	<0.04 (D)
9/29/2016			0.0106 (J)				
11/3/2016					<0.04		<0.04 (D)
11/4/2016						<0.04 (D)	
11/23/2016			0.0099 (J)	0.0076 (J)			
11/28/2016		0.0072 (J)					
1/19/2017					<0.04		
1/20/2017							<0.04 (D)
1/23/2017						0.0086 (JD)	
2/9/2017		<0.04					
2/10/2017			<0.04	<0.04			
2/22/2017	0.02 (J)						
3/28/2017					0.0113 (J)		
3/29/2017						<0.04 (D)	<0.04 (D)
4/11/2017	<0.04	<0.04		<0.04			
4/12/2017			0.009 (J)				
6/5/2017					<0.04 (*)		
6/7/2017						<0.04 (*)	<0.04 (*)
6/14/2017		<0.04					
6/15/2017			<0.04	<0.04			
6/16/2017	0.0163 (J)						
7/12/2017	0.0117 (J)	<0.04		<0.04			
7/26/2017				<0.04			
7/28/2017	0.0071 (J)						
8/10/2017	0.0093 (J)						
9/26/2017					0.0084 (J)		
9/27/2017						<0.04	<0.04
10/5/2017		0.0068 (J)					
10/6/2017	0.0148 (J)		<0.04	0.0071 (J)			
3/15/2018					0.014 (J)	0.0077 (J)	0.0063 (J)
3/22/2018		<0.04					
3/23/2018	0.017 (J)		0.0053 (J)	0.0092 (J)			
9/12/2018					0.0051 (J)		
9/13/2018						<0.04	<0.04
9/19/2018		<0.04	0.0049 (J)	0.0046 (J)			
9/20/2018	0.016 (J)						
3/14/2019					0.018 (X)	<0.04 (D)	0.006 (JXD)
3/22/2019	0.013 (J)	<0.04		<0.04			
3/25/2019			<0.04				
9/11/2019					0.0088 (X)	<0.04 (D)	<0.04 (D)
9/17/2019		<0.04	<0.04	<0.04			
9/18/2019	0.014 (X)						
3/10/2020					0.019 (J)	<0.04	0.009 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		0.0081 (J)	0.0064 (J)	0.0054 (J)			
3/17/2020	0.017 (J)						
9/11/2020						<0.04	0.0056 (J)
9/15/2020					0.0089 (J)		
9/21/2020		<0.04	0.0075 (J)	<0.04			
9/22/2020	0.01 (J)						
3/11/2021					0.016 (J)	<0.04	0.006 (J)
3/18/2021		<0.04	<0.04	<0.04			
3/19/2021	0.014 (J)						
8/4/2021					0.016 (J)		
8/6/2021						<0.04	<0.04
8/11/2021		<0.04	<0.04	<0.04			
8/12/2021	0.014 (J)						
1/31/2022					0.015 (J)		
2/1/2022						0.019 (J)	0.022 (J)
2/4/2022	0.017 (J)	<0.04	<0.04				
2/7/2022				<0.04			
8/12/2022						<0.04	<0.04
8/15/2022					0.011 (J)		
8/18/2022		<0.04					
8/19/2022	0.015 (J)		<0.04	<0.04			
2/14/2023					0.014 (J)	<0.04	0.012 (J)
2/22/2023	0.013 (J)	<0.04	<0.04	<0.04			
7/26/2023					<0.04	<0.04	0.0088 (J)
8/1/2023		<0.04		<0.04			
8/2/2023	0.012 (J)		<0.04				

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	<0.04	<0.04	<0.04	<0.04			
3/17/2016					<0.04	<0.04	
3/28/2016							<0.04
5/17/2016	<0.04			<0.04			
5/18/2016		<0.04	<0.04		<0.04	<0.04	
5/25/2016							<0.04
7/26/2016	0.0047 (J)						
7/27/2016		<0.04 (*)	<0.04	<0.04 (*)	<0.04 (*)		
7/28/2016						<0.04 (*)	
8/1/2016							<0.04
9/20/2016	0.0254 (J)	0.0133 (J)	0.0109 (J)	0.0078 (J)			
9/21/2016					<0.04 (*)	<0.04 (*)	
9/27/2016							<0.04
11/4/2016	<0.04		<0.04	<0.04	<0.04		
11/7/2016		0.0079 (J)				0.0138 (J)	
11/11/2016							0.0083 (J)
1/20/2017	<0.04		<0.04				
1/23/2017		<0.04		<0.04			
1/24/2017					<0.04	<0.04	
1/31/2017							<0.04
3/28/2017	<0.04			<0.04			
3/29/2017		<0.04	<0.04		<0.04		
3/30/2017						0.0077 (J)	
4/3/2017							<0.04
6/7/2017	<0.04 (*)						
6/8/2017		<0.04	<0.04	<0.04	<0.04		
6/9/2017						<0.04	
6/12/2017							<0.04
9/27/2017		<0.04	<0.04				
9/29/2017	<0.04			<0.04	<0.04	<0.04	
10/3/2017							<0.04
3/15/2018	0.0042 (J)	<0.04		<0.04	<0.04	0.0052 (J)	
3/16/2018			<0.04				
3/19/2018							0.0041 (J)
9/13/2018	<0.04	<0.04	<0.04	<0.04	<0.04		
9/14/2018						<0.04	
9/17/2018							<0.04
3/15/2019		<0.04		<0.04			
3/18/2019	0.022 (X)				0.0099 (X)		
3/19/2019			<0.04			0.0043 (X)	
3/20/2019							<0.04
9/11/2019	<0.04		0.0054 (X)	<0.04	<0.04	<0.04	
9/12/2019		<0.04					
9/16/2019							0.0051 (J)
3/9/2020		<0.04	0.0051 (J)	<0.04		0.0055 (J)	
3/10/2020	<0.04						
3/11/2020					<0.04		
3/16/2020							<0.04
9/11/2020					0.0057 (J)		
9/14/2020	<0.04	<0.04		<0.04		<0.04	
9/15/2020			<0.04				
9/16/2020							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	<0.04	<0.04	<0.04	<0.04			
3/15/2021					0.01 (J)	0.0066 (J)	
3/17/2021							<0.04
8/4/2021				<0.04			
8/5/2021	<0.04	<0.04	<0.04			<0.04	
8/9/2021							<0.04
8/11/2021					<0.04		
1/31/2022	<0.04			<0.04			
2/1/2022		0.011 (J)	0.01 (J)		<0.04	0.0087 (J)	
2/2/2022							<0.04
8/15/2022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
8/16/2022							<0.04
2/14/2023	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04	
2/20/2023							<0.04
7/26/2023	<0.04			<0.04			
7/27/2023		0.012 (J)	0.019 (J)		<0.04	<0.04	
7/28/2023							<0.04

Time Series

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.04	
3/29/2016	<0.04	<0.04				
3/30/2016				<0.04		<0.04
5/24/2016	<0.04	<0.04		<0.04		
5/25/2016					<0.04	
5/26/2016						<0.04
5/31/2016			<0.04			
8/1/2016	<0.04	<0.04				
8/2/2016			<0.04	<0.04	<0.04	
8/5/2016						<0.04
9/26/2016	<0.04	<0.04			<0.04	
9/27/2016			0.0073 (J)	<0.04		
9/28/2016						<0.04
11/14/2016		<0.04				
11/18/2016	<0.04					
11/21/2016			0.008 (J)		<0.04	<0.04
11/22/2016				0.0115 (J)		
2/1/2017	<0.04	<0.04	<0.04			
2/3/2017					<0.04	
2/6/2017				<0.04		<0.04
4/6/2017	<0.04	<0.04	<0.04	<0.04		<0.04
4/7/2017					<0.04	
6/13/2017	<0.04	<0.04	<0.04		<0.04	<0.04
6/14/2017				<0.04		
7/14/2017			0.007 (J)			
10/3/2017	<0.04	<0.04	<0.04		<0.04	<0.04
10/4/2017				<0.04		
3/19/2018	<0.04					
3/20/2018		0.0073 (J)	0.0064 (J)		<0.04	0.0096 (J)
3/21/2018				<0.04		
9/17/2018	<0.04	0.0046 (J)				
9/18/2018			0.0045 (J)	<0.04	<0.04	<0.04 (D)
3/21/2019	<0.04	<0.04	<0.04			0.006 (J)
3/27/2019				0.0078 (J)		
5/6/2019					0.0065 (J)	
9/13/2019			0.0065 (J)			
9/16/2019	<0.04	<0.04		<0.04 (D)	<0.04	<0.04
3/12/2020	0.0061 (J)	0.0052 (J)	0.0057 (J)	<0.04		0.0058 (J)
3/16/2020					<0.04	
9/16/2020	<0.04	<0.04	0.0052 (J)			
9/17/2020				<0.04	<0.04	<0.04
3/17/2021	<0.04	<0.04	<0.04	<0.04		
3/18/2021					<0.04	<0.04
8/10/2021	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
2/2/2022	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
8/17/2022	<0.04	<0.04	0.011 (J)	<0.04	0.012 (J)	<0.04
2/17/2023	<0.04	<0.04				
2/20/2023			<0.04		<0.04	
2/21/2023				<0.04		<0.04
7/28/2023		<0.04				
7/31/2023	<0.04		<0.04	<0.04	<0.04	<0.04

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005	
10/23/2007	<0.0005						
10/24/2007		<0.0005	<0.0005				
11/2/2007						<0.0005	
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005	
1/30/2008	<0.0005						
1/31/2008		<0.0005	<0.0005			<0.0005	
3/10/2008	<0.0005		<0.0005				
3/11/2008		<0.0005				<0.0005	
5/6/2008		<0.0005					
5/13/2008	<0.0005		<0.0005				
5/14/2008						<0.0005	
12/4/2008		<0.0005	<0.0005				
12/5/2008	<0.0005					<0.0005	
4/15/2009	<0.0005					<0.0005	
4/21/2009		<0.0005	<0.0005				
10/7/2009	<0.0005	<0.0005					
10/8/2009			<0.0005			<0.0005	
4/21/2010			<0.0005				
4/26/2010		<0.0005					
4/28/2010						<0.0005	
5/3/2010	<0.0005						
9/28/2010			<0.0005				
10/4/2010		<0.0005					
10/6/2010						<0.0005	
10/12/2010	<0.0005						
4/12/2011			<0.0005				
4/13/2011		<0.0005					
4/21/2011						<0.0005	
4/27/2011	<0.0005						
10/4/2011			<0.0005				
10/5/2011		<0.0005					
10/13/2011						<0.0005	
10/17/2011	<0.0005						
4/3/2012			<0.0005				
4/11/2012		<0.0005					
5/1/2012						<0.0005	
5/2/2012	<0.0005						
10/8/2012	<0.0005						
10/9/2012		<0.0005	<0.0005			<0.0005	
4/11/2013			<0.0005			<0.0005	
4/12/2013	<0.0005						
4/15/2013		<0.0005					
10/15/2013		<0.0005					
10/16/2013	<0.0005		<0.0005			<0.0005	
4/10/2014			<0.0005				
4/11/2014	<0.0005						
4/22/2014		<0.0005					
4/23/2014						<0.0005	
9/30/2014	<0.0005	<0.0005	<0.0005				
10/4/2014						<0.0005	
3/30/2015	<0.0005	<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.0005	
10/12/2015						<0.0005	
10/13/2015	0.0003 (J)	<0.0005	<0.0005				
3/14/2016					0.000188 (J)		
3/15/2016							<0.0005
3/22/2016	<0.0005						
3/23/2016		<0.0005	<0.0005			<0.0005	
5/11/2016					0.000177 (J)		<0.0005
5/16/2016				<0.0005 (D)			
5/19/2016	<0.0005		<0.0005				
5/20/2016		<0.0005					
5/23/2016						<0.0005	
7/19/2016					0.0001 (J)		
7/21/2016							<0.0005
7/27/2016				0.0001 (JD)			
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005	
9/15/2016					8E-05 (J)		<0.0005
9/22/2016			<0.0005			<0.0005	
9/23/2016	<0.0005	<0.0005					
11/2/2016					<0.0005		
11/3/2016							<0.0005
11/9/2016	<0.0005	<0.0005					
11/10/2016			<0.0005			<0.0005	
1/17/2017							<0.0005
1/18/2017					<0.0005		
1/30/2017	<0.0005						
1/31/2017		<0.0005	<0.0005			<0.0005	
2/21/2017				<0.0005			
3/24/2017							<0.0005
3/27/2017				<0.0005 (D)			
3/28/2017					<0.0005		
3/30/2017	<0.0005	<0.0005				<0.0005	
4/3/2017			<0.0005				
5/24/2017							<0.0005
6/7/2017					<0.0005		
6/8/2017				<0.0005 (D)			
6/9/2017	<0.0005		<0.0005				
6/12/2017		<0.0005				<0.0005	
7/17/2017				<0.0005 (D)			
7/27/2017				<0.0005			
8/9/2017				<0.0005			
9/26/2017					<0.0005		<0.0005
9/29/2017				<0.0005 (D)			
10/2/2017	<0.0005	<0.0005	<0.0005				
10/4/2017						<0.0005	
3/14/2018					<0.0005		<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005			
3/19/2018		<0.0005				<0.0005	
9/12/2018					<0.0005		<0.0005
9/14/2018		<0.0005	<0.0005	<0.0005			
9/17/2018	0.00076 (JD)					<0.0005	
3/13/2019							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.0005			
3/15/2019					<0.0005		
3/19/2019			<0.0005				
3/20/2019	<0.0005	<0.0005				<0.0005	
9/9/2019					<0.0005		<0.0005
9/12/2019	<0.0005	<0.0005 (D)					
9/13/2019			<0.0005			<0.0005	
3/9/2020				<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005	
9/10/2020					<0.0005		
9/11/2020							<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005				
9/16/2020				<0.0005			
3/10/2021							<0.0005
3/12/2021					<0.0005		
3/16/2021	<0.0005		<0.0005	<0.0005			
3/17/2021		<0.0005					
3/29/2021						<0.0005	
8/4/2021					<0.0005		<0.0005
8/6/2021				<0.0005			
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005	
1/31/2022					<0.0005		<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005				
2/2/2022				<0.0005		<0.0005	
8/10/2022					<0.0005		
8/12/2022							<0.0005
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
2/13/2023					<0.0005		<0.0005
2/14/2023				<0.0005			
2/16/2023	<0.0005	<0.0005	<0.0005				
2/17/2023						<0.0005	
7/25/2023				<0.0005			
7/26/2023					<0.0005		<0.0005
7/27/2023	<0.0005	<0.0005	<0.0005				
8/1/2023						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.0005
4/23/2009							<0.0005
10/6/2009							<0.0005
4/27/2010							<0.0005
9/30/2010							<0.0005
4/14/2011							<0.0005
10/5/2011							<0.0005
4/11/2012							<0.0005
10/2/2012							<0.0005
4/9/2013							<0.0005
10/15/2013							<0.0005
4/10/2014							<0.0005
10/1/2014							<0.0005
3/30/2015							<0.0005
10/11/2015							0.00026 (J)
3/11/2016			0.000121 (J)	<0.0005	<0.0005		
3/15/2016	<0.0005	<0.0005					
3/28/2016							<0.0005
5/12/2016	<0.0005						
5/13/2016		<0.0005		<0.0005	<0.0005		
5/16/2016			0.000145 (J)				
5/23/2016							<0.0005
7/19/2016				<0.0005	<0.0005		
7/20/2016	<0.0005						
7/21/2016		<0.0005					
7/22/2016			<0.0005				
8/1/2016							<0.0005
9/15/2016	<0.0005						
9/16/2016				<0.0005	<0.0005		
9/19/2016			0.0001 (J)				
9/21/2016		<0.0005					
9/26/2016							<0.0005
11/2/2016				<0.0005	<0.0005		
11/3/2016	<0.0005	<0.0005	8E-05 (J)				
11/10/2016							<0.0005
1/17/2017		<0.0005	0.0001 (J)				
1/18/2017	<0.0005			<0.0005	<0.0005		
1/30/2017							<0.0005
2/22/2017						<0.0005	
3/24/2017	<0.0005						
3/27/2017		<0.0005	0.0002 (J)				
3/28/2017				<0.0005	<0.0005		
4/7/2017						<0.0005	<0.0005
6/6/2017	<0.0005	<0.0005		8E-05 (J)	<0.0005		
6/7/2017			0.0001 (J)				
6/12/2017							<0.0005
6/14/2017						<0.0005 (D)	
7/12/2017						<0.0005 (D)	
7/20/2017						<0.0005 (D)	
7/28/2017						<0.0005	
8/9/2017						<0.0005	
8/24/2017						<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.0005	<0.0005		
9/25/2017	<0.0005	<0.0005					
9/26/2017			<0.0005				
10/2/2017							<0.0005
10/3/2017						<0.0005 (D)	
3/14/2018	<0.0005	<0.0005	0.00011 (J)	<0.0005			
3/15/2018					<0.0005		
3/16/2018							<0.0005
3/21/2018						<0.0005	
9/12/2018	<0.0005	<0.0005		<0.0005	<0.0005		
9/14/2018			0.00013 (J)				
9/17/2018							<0.0005
9/18/2018						<0.0005	
3/13/2019				<0.0005	<0.0005		
3/14/2019	<0.0005	<0.0005	0.00013 (J)				
3/19/2019							<0.0005
3/21/2019						<0.0005 (D)	
9/10/2019	<0.0005 (D)	<0.0005	0.00014 (J)				
9/11/2019				<0.0005	<0.0005		
9/12/2019						<0.0005 (D)	
9/13/2019							<0.0005
3/6/2020	<0.0005		0.00014 (J)				
3/9/2020		<0.0005		<0.0005	<0.0005		
3/11/2020							<0.0005
3/12/2020						<0.0005	
9/10/2020	<0.0005	<0.0005	0.00015 (J)				
9/11/2020				<0.0005			
9/14/2020					<0.0005		
9/16/2020							<0.0005
9/17/2020						<0.0005	
3/10/2021		<0.0005					
3/11/2021	<0.0005		0.00017 (J)	<0.0005	<0.0005		
3/16/2021						<0.0005	
3/17/2021							0.00012 (J)
8/4/2021	<0.0005	<0.0005	0.00014 (J)				
8/5/2021					<0.0005		
8/6/2021				<0.0005			
8/9/2021							<0.0005
8/10/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	0.00018 (J)	<0.0005	<0.0005		
2/1/2022							<0.0005
2/3/2022						<0.0005	
8/10/2022			0.00034 (J)		<0.0005		
8/11/2022	<0.0005	<0.0005		<0.0005			
8/16/2022							<0.0005
8/17/2022						<0.0005	
2/13/2023	<0.0005	<0.0005	<0.0005		<0.0005		
2/14/2023				<0.0005			
2/16/2023							<0.0005
2/17/2023						<0.0005	
7/25/2023	<0.0005	<0.0005		<0.0005	<0.0005		
7/26/2023			0.00013 (J)				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.0005	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.0005
11/18/2007				<0.0005	<0.0005		
11/19/2007						<0.001	<0.0005
11/20/2007		<0.0005	<0.0005				
1/16/2008						<0.001	
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2008							<0.0005
3/5/2008				<0.0005		<0.001	<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005		
5/7/2008				<0.0005	<0.0005		
5/8/2008			<0.0005				
5/12/2008		<0.0005					<0.0005
5/13/2008						<0.001	
12/12/2008	<0.0005						
12/13/2008		<0.0005				<0.001	<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005		
4/16/2009						<0.001	
4/23/2009	<0.0005						
4/28/2009							<0.0005
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009	<0.0005						
10/20/2009		<0.0005					
10/21/2009			<0.0005			<0.001	<0.0005
10/22/2009				<0.0005	<0.0005		
4/21/2010			<0.0005	<0.0005	<0.0005		
4/26/2010		<0.0005					
4/27/2010						<0.001	
4/28/2010							<0.0005
5/3/2010	<0.0005						
9/28/2010			<0.0005	<0.0005			
9/29/2010		<0.0005			<0.0005		
10/5/2010						<0.001	<0.0005
10/11/2010	<0.0005						
4/12/2011			<0.0005	<0.0005			
4/13/2011		<0.0005			<0.0005		
4/19/2011						<0.001	<0.0005
4/27/2011	<0.0005						
10/4/2011			<0.0005	<0.0005	<0.0005		
10/5/2011		<0.0005					
10/12/2011						<0.001	
10/18/2011							<0.0005
10/19/2011	<0.0005						
4/3/2012			<0.0005	<0.0005			
4/4/2012		<0.0005			<0.0005		
4/24/2012						<0.001	
4/25/2012							<0.0005
5/1/2012	<0.0005						
10/2/2012	<0.0005					<0.001	<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005		
10/8/2012			<0.0005				
4/2/2013						<0.001	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2013	<0.0005						
10/8/2013							<0.0005
10/9/2013				<0.0005	<0.0005	<0.001	
10/15/2013		<0.0005	<0.0005				
10/16/2013	<0.0005						
4/1/2014						<0.001	<0.0005
4/2/2014				<0.0005	<0.0005		
4/9/2014		<0.0005	<0.0005				
4/22/2014	<0.0005						
10/1/2014	<0.0005						<0.0005
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
3/30/2015	<0.0005						
4/1/2015				<0.0005	0.00033 (J)	<0.001	<0.0005
4/2/2015		<0.0005	<0.0005				
10/10/2015		<0.0005					
10/11/2015	<0.0005			<0.0005	0.00056 (J)		
10/12/2015			<0.0005				
10/14/2015						0.00025 (J)	
10/15/2015							<0.0005
3/28/2016	<0.0005						
3/31/2016		<0.0005	<0.0005				
4/4/2016				<0.0005	<0.0005	0.000136 (J)	<0.0005
5/25/2016	<0.0005						
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005		
5/27/2016						0.000131 (J)	
5/31/2016							<0.0005
8/1/2016	<0.0005						
8/3/2016			<0.0005	<0.0005		<0.001	
8/4/2016					<0.0005		<0.0005
8/5/2016		<0.0005					
9/26/2016	<0.0005						
9/28/2016		<0.0005	0.0002 (J)	<0.0005	<0.0005		
9/29/2016							<0.0005
9/30/2016						9E-05 (J)	
11/11/2016	<0.0005						
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.001	
11/28/2016							<0.0005
1/30/2017	<0.0005						
2/7/2017		<0.0005	<0.0005				
2/8/2017				<0.0005	<0.0005		
2/9/2017							<0.0005
2/13/2017						0.0001 (J)	
4/3/2017	<0.0005						
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005		
4/11/2017						0.0003 (J)	
4/12/2017							<0.0005
6/12/2017	<0.0005						
6/14/2017		<0.0005	<0.0005			0.0003 (J)	
6/15/2017				<0.0005	<0.0005		
6/16/2017							<0.0005
10/2/2017	<0.0005						

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	0.0002 (J)	
10/9/2017							<0.0005
3/16/2018	<0.0005						
3/20/2018		<0.0005					
3/21/2018			<0.0005	<0.0005			<0.0005
3/22/2018					<0.0005	0.00032 (J)	
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.00057 (J)	
9/19/2018							<0.0005
3/19/2019	<0.0005						
3/22/2019		<0.0005	<0.0005				
3/23/2019				<0.0005	<0.0005	0.00035 (J)	<0.0005
9/12/2019	<0.0005						
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	0.000575 (JD)	
9/18/2019							<0.0005
3/11/2020	<0.0005						
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	0.00089 (J)	
3/13/2020							<0.0005
9/15/2020	<0.0005						
9/17/2020		<0.0005	<0.0005				
9/21/2020				<0.0005	<0.0005	0.00025 (J)	
9/22/2020							<0.0005
3/17/2021	<0.0005						
3/18/2021		<0.0005	<0.0005				<0.0005
3/19/2021				<0.0005	<0.0005	0.00027 (J)	
8/9/2021	<0.0005						
8/10/2021		<0.0005					
8/11/2021			<0.0005	<0.0005	<0.0005	0.00048 (J)	<0.0005
2/2/2022	<0.0005					0.0012	
2/4/2022		<0.0005	<0.0005	<0.0005	<0.0005		
2/17/2022							<0.0005
4/28/2022						0.00067	
8/17/2022	<0.0005	0.00018 (J)					
8/18/2022			<0.0005	<0.0005	<0.0005	0.00052	<0.0005
2/16/2023	<0.0005						
2/20/2023		<0.0005	<0.0005	<0.0005	<0.0005		
2/21/2023						0.0004 (J)	
2/22/2023							<0.0005
7/28/2023	<0.0005						
7/31/2023		<0.0005	<0.0005				
8/1/2023				<0.0005	<0.0005	0.00035 (J)	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.0005						
8/23/2007			<0.0005				
8/24/2007		<0.0005		<0.0005			
11/1/2007	<0.0005						
11/2/2007		<0.0005	<0.0005	<0.0005			
11/17/2007		<0.0005	<0.0005				
11/18/2007				<0.0005			
11/19/2007	<0.0005						
1/15/2008		<0.0005	<0.0005	<0.0005			
1/31/2008	<0.0005						
3/5/2008	<0.0005	<0.0005					
3/6/2008			<0.0005				
3/10/2008				<0.0005			
5/7/2008	<0.0005	<0.0005	<0.0005				
5/13/2008				<0.0005			
12/2/2008		<0.0005	<0.0005	<0.0005			
12/12/2008	<0.0005						
4/16/2009		<0.0005					
4/28/2009			<0.0005	<0.0005			
4/29/2009	<0.0005						
10/19/2009			<0.0005				
10/20/2009		<0.0005		<0.0005			
10/21/2009	<0.0005						
4/20/2010		<0.0005					
4/27/2010			<0.0005	<0.0005			
4/28/2010	<0.0005						
9/29/2010		<0.0005					
10/4/2010			<0.0005				
10/5/2010				<0.0005			
10/6/2010	<0.0005						
4/12/2011		<0.0005					
4/18/2011			<0.0005				
4/19/2011				<0.0005			
4/20/2011	<0.0005						
10/4/2011		<0.0005					
10/12/2011	<0.0005		<0.0005	<0.0005			
4/4/2012		<0.0005					
4/23/2012			<0.0005				
4/25/2012	<0.0005			<0.0005			
10/2/2012	<0.0005						
10/10/2012		<0.0005	<0.0005	<0.0005			
4/2/2013	<0.0005						
4/15/2013		<0.0005	<0.0005				
4/16/2013				<0.0005			
10/8/2013	<0.0005						
10/22/2013		<0.0005	<0.0005	<0.0005			
4/1/2014	<0.0005						
4/21/2014		<0.0005	<0.0005	<0.0005			
9/30/2014		<0.0005	<0.0005	<0.0005			
10/1/2014	<0.0005						
3/31/2015	<0.0005						
4/3/2015		<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.0005			
10/7/2015		<0.0005	0.00028 (J)				
10/14/2015	<0.0005						
3/16/2016					<0.0005	<0.0005	0.000113 (J)
4/4/2016	<0.0005						
4/5/2016		<0.0005	0.000194 (J)	<0.0005			
5/16/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
5/31/2016			0.000206 (J)	<0.0005			
6/1/2016	<0.0005	<0.0005					
7/25/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
8/4/2016			<0.0005				
8/9/2016		<0.0005					
9/19/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
9/29/2016			0.0002 (J)				
11/3/2016					<0.0005		<0.0005 (D)
11/4/2016						<0.0005 (D)	
11/23/2016			0.0001 (J)	<0.0005			
11/28/2016		<0.0005					
1/19/2017					<0.0005		
1/20/2017							<0.0005 (D)
1/23/2017						<0.0005 (D)	
2/9/2017		0.0001 (J)					
2/10/2017			<0.0005	<0.0005			
2/22/2017	<0.0005						
3/28/2017					<0.0005		
3/29/2017						<0.0005 (D)	<0.0005 (D)
4/11/2017	<0.0005	<0.0005		<0.0005			
4/12/2017			<0.0005				
6/5/2017					8E-05 (J)		
6/7/2017						<0.0005	<0.0005
6/14/2017		<0.0005					
6/15/2017			<0.0005	<0.0005			
6/16/2017	<0.0005						
7/12/2017	<0.0005	<0.0005		<0.0005			
7/26/2017				<0.0005			
7/28/2017	<0.0005						
8/10/2017	<0.0005						
9/26/2017					<0.0005		
9/27/2017						<0.0005	<0.0005
10/5/2017		<0.0005					
10/6/2017	<0.0005		<0.0005	<0.0005			
3/15/2018					<0.0005	<0.0005	<0.0005
3/22/2018		<0.0005					
3/23/2018	<0.0005		<0.0005	<0.0005			
9/12/2018					<0.0005		
9/13/2018						<0.0005	<0.0005
9/19/2018		<0.0005	<0.0005	<0.0005			
9/20/2018	<0.0005						
3/14/2019					<0.0005	<0.0005 (D)	<0.0005 (D)
3/22/2019	<0.0005	<0.0005		<0.0005			
3/25/2019			<0.0005				
9/11/2019					<0.0005	<0.0005 (D)	<0.0005 (D)

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.0005	<0.0005	<0.0005			
9/18/2019	<0.0005						
3/10/2020					<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005	<0.0005	<0.0005			
3/17/2020	<0.0005						
9/11/2020						<0.0005	<0.0005
9/15/2020					<0.0005		
9/21/2020		<0.0005	<0.0005	<0.0005			
9/22/2020	<0.0005						
3/11/2021					<0.0005	<0.0005	<0.0005
3/18/2021		<0.0005	<0.0005	<0.0005			
3/19/2021	<0.0005						
8/4/2021					<0.0005		
8/6/2021						<0.0005	<0.0005
8/11/2021		<0.0005	<0.0005	<0.0005			
8/12/2021	<0.0005						
1/31/2022					<0.0005		
2/1/2022						<0.0005	<0.0005
2/4/2022	<0.0005	<0.0005	<0.0005				
2/7/2022				<0.0005			
8/12/2022						<0.0005	<0.0005
8/15/2022					<0.0005		
8/18/2022		<0.0005					
8/19/2022	<0.0005		<0.0005	<0.0005			
2/14/2023					<0.0005	<0.0005	<0.0005
2/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			
7/26/2023					<0.0005	<0.0005	<0.0005
8/1/2023		<0.0005		<0.0005			
8/2/2023	<0.0005		<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.0005
10/25/2007							<0.0005
11/19/2007							<0.0005
1/23/2008							<0.0005
3/11/2008							<0.0005
5/12/2008							<0.0005
12/11/2008							<0.0005
4/15/2009							<0.0005
10/9/2009							<0.0005
5/4/2010							<0.0005
10/12/2010							<0.0005
4/28/2011							<0.0005
10/19/2011							<0.0005
5/2/2012							<0.0005
10/9/2012							<0.0005
4/11/2013							<0.0005
10/16/2013							<0.0005
4/23/2014							<0.0005
10/3/2014							0.00033 (J)
3/31/2015							<0.0005
10/12/2015							<0.0005
3/10/2016	<0.0005	<0.0005	<0.0005	0.000148 (J)			
3/17/2016					<0.0005	<0.0005	
3/28/2016							0.000102 (J)
5/17/2016	<0.0005			0.000251 (J)			
5/18/2016		<0.0005	<0.0005		<0.0005	<0.0005	
5/25/2016							0.000148 (J)
7/26/2016	<0.0005						
7/27/2016		<0.0005	<0.0005	0.0002 (J)	<0.0005		
7/28/2016						<0.0005	
8/1/2016							0.0001 (J)
9/20/2016	<0.0005	8E-05 (J)	<0.0005	0.0002 (J)			
9/21/2016					<0.0005	9E-05 (J)	
9/27/2016							0.0001 (J)
11/4/2016	<0.0005		<0.0005	0.0001 (J)	<0.0005		
11/7/2016		<0.0005				0.0001 (J)	
11/11/2016							9E-05 (J)
1/20/2017	<0.0005		<0.0005				
1/23/2017		<0.0005		<0.001			
1/24/2017					<0.0005	0.0002 (J)	
1/31/2017							<0.0005
3/28/2017	<0.0005			0.0001 (J)			
3/29/2017		<0.0005	<0.0005		<0.0005		
3/30/2017						0.0002 (J)	
4/3/2017							0.0001 (J)
6/7/2017	<0.0005						
6/8/2017		<0.0005	<0.0005	0.0002 (J)	<0.0005		
6/9/2017						0.0002 (J)	
6/12/2017							<0.0005
9/27/2017		<0.0005	<0.0005				
9/29/2017	<0.0005			0.0002 (J)	<0.0005	0.0002 (J)	
10/3/2017							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.0005	9.3E-05 (J)		0.00018 (J)	<0.0005	0.0001 (J)	
3/16/2018			<0.0005				
3/19/2018							<0.0005
9/13/2018	<0.0005	<0.0005	<0.0005	0.00012 (J)	<0.0005		
9/14/2018						<0.0005	
9/17/2018							<0.0005
3/15/2019		0.00015 (J)		0.00018 (J)			
3/18/2019	<0.0005				<0.0005		
3/19/2019			<0.0005			<0.0005	
3/20/2019							<0.0005
9/11/2019	<0.0005		<0.0005	0.00021 (JD)	<0.0005	<0.0005	
9/12/2019		<0.0005					
9/16/2019							<0.0005
3/9/2020		0.00015 (J)	<0.0005	0.00016 (J)		<0.0005	
3/10/2020	<0.0005						
3/11/2020					<0.0005		
3/16/2020							<0.0005
9/11/2020					<0.0005		
9/14/2020	<0.0005	0.00014 (J)		0.00019 (J)		<0.0005	
9/15/2020			<0.0005				
9/16/2020							<0.0005
3/11/2021	<0.0005	0.00018 (J)	<0.0005	0.00021 (J)			
3/15/2021					<0.0005	<0.0005	
3/17/2021							0.00013 (J)
8/4/2021				0.0002 (J)			
8/5/2021	<0.0005	<0.0005	<0.0005			<0.0005	
8/9/2021							<0.0005
8/11/2021					<0.0005		
1/31/2022	<0.0005			0.0002 (J)			
2/1/2022		0.00014 (J)	<0.0005		<0.0005	<0.0005	
2/2/2022							<0.0005
8/15/2022	<0.0005	<0.0005	0.00016 (J)	0.00022 (J)	<0.0005	<0.0005	
8/16/2022							<0.0005
2/14/2023	<0.0005	<0.0005	<0.0005	0.00015 (J)	<0.0005	<0.0005	
2/20/2023							<0.0005
7/26/2023	<0.0005			0.00033 (J)			
7/27/2023		0.00017 (J)	<0.0005		<0.0005	<0.0005	
7/28/2023							<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				<0.0005		
10/3/2014	<0.0005					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	8E-05 (J)	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	8E-05 (J)					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				<0.0005		
2/1/2017	<0.0005	<0.0005	9E-05 (J)			
2/3/2017					0.0001 (J)	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		0.0002 (J)	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005
3/17/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2021					<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/17/2023	<0.0005	<0.0005				
2/20/2023			<0.0005		<0.0005	
2/21/2023				<0.0005		<0.0005
7/28/2023		<0.0005				
7/31/2023	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					20		
3/15/2016							24
3/22/2016	32.6						
3/23/2016		54.1	46.5			2.05	
5/11/2016					9.76		22.1
5/16/2016				27.8 (D)			
5/19/2016	33.4		24.6				
5/20/2016		23.9					
5/23/2016						1.29	
7/19/2016					3.04		
7/21/2016							19.3
7/27/2016				21.2 (D)			
7/29/2016	26	25.3	14.9			1.29	
9/15/2016					4.78		18.2
9/22/2016			15			1.51	
9/23/2016	28.8	26.6					
11/2/2016					2.46		
11/3/2016							18.2
11/9/2016	27.9	16.1					
11/10/2016			12.6			1.54	
1/17/2017							22
1/18/2017					5.46		
1/30/2017	29.2						
1/31/2017		5.68	16.5			1.34	
2/21/2017				31.7 (D)			
3/24/2017							21.1
3/27/2017				31.9 (D)			
3/28/2017					13		
3/30/2017	30	25.2				1.31	
4/3/2017			16.6				
5/24/2017							23.5
6/7/2017					17		
6/8/2017				35 (D)			
6/9/2017	30.9		17.8				
6/12/2017		34.2				1.4	
7/17/2017				35.9 (D)			
7/27/2017				34.9 (D)			
8/9/2017				33.7 (D)			
9/26/2017					24.9		24.1
9/29/2017				33.4 (D)			
10/2/2017	31.5	1.69	20.6				
10/4/2017						1.13	
12/28/2017					17.9 (Y)		
3/14/2018					26.4		25.7
3/16/2018	28.5		33	32.6			
3/19/2018		63				1.2	
9/12/2018					25.1		18.4 (J)
9/14/2018		2.4	22.8 (J)	29.2			
9/17/2018	30.8					0.95	
3/13/2019							23.8 (X)
3/14/2019				33			
3/15/2019					20.3 (X)		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			31	13	30		
3/15/2016	24	38					
3/28/2016							3.89
5/12/2016	15.5						
5/13/2016		36		18.7	27.8		
5/16/2016			32				
5/23/2016							2.16
7/19/2016				12	25.3		
7/20/2016	16.5						
7/21/2016		33.5					
7/22/2016			28.5				
8/1/2016							1.37
9/15/2016	6.1						
9/16/2016				8.48	27.5		
9/19/2016			28.6				
9/21/2016		31.9					
9/26/2016							1.86
11/2/2016				11.4	26.2		
11/3/2016	13.7	28.9	26.6				
11/10/2016							1.86
1/17/2017		31.4	28.7				
1/18/2017	13.1			6.81	26.6		
1/30/2017							2.86
2/22/2017						54.7 (D)	
3/24/2017	17.3						
3/27/2017		31.7	30.4				
3/28/2017				5.61	29		
4/7/2017						46.8 (D)	2.34
6/6/2017	29.1	42.9		4.99	29.3		
6/7/2017			31.3				
6/12/2017							1.87
6/14/2017						52.4 (D)	
7/12/2017						51.1 (D)	
7/20/2017						47.5 (D)	
7/28/2017						44 (D)	
8/9/2017						48.3 (D)	
8/24/2017						41.9 (D)	
9/22/2017				4.24	32.2		
9/25/2017	17.6	29.3					
9/26/2017			29.5				
10/2/2017							2.53
10/3/2017						47.7 (D)	
12/28/2017					29 (Y)		
3/14/2018	39.6	41.4	32.6	3.6			
3/15/2018					28		
3/16/2018							1.8
3/21/2018						47.5	
9/12/2018	14.2 (J)	29		3.7	28.7		
9/14/2018			30.5				
9/17/2018							2.3
9/18/2018						48.1	
3/13/2019				2.9	29.2		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	22.7 (X)	31.9	32				
3/19/2019							4.2
3/21/2019						49.9 (D)	
9/10/2019	6	29.6	34				
9/11/2019				3.2	29.5		
9/12/2019						49.9 (D)	
9/13/2019							1.9
3/6/2020	29.2		38				
3/9/2020		25.5		2.6	31.7		
3/11/2020							1.6
3/12/2020						54.2	
9/10/2020	13.5	22.9	31.1				
9/11/2020				9			
9/14/2020					31		
9/16/2020							1.7
9/17/2020						48.4	
3/10/2021		40.3					
3/11/2021	25.9		34.8	2.1	31.2		
3/16/2021						53.7	
3/17/2021							1.4
8/4/2021	15.7	38.5	34				
8/5/2021					29		
8/6/2021				4			
8/9/2021							1.5
8/10/2021						56.5	
1/31/2022	14.5	39.3	37.3	2.2	30.6		
2/1/2022							1.5
2/3/2022						57.7	
8/10/2022			40.5		33.1		
8/11/2022	16.2	39.7		4.8			
8/16/2022							1.6
8/17/2022						54.7	
2/13/2023	26.9	38.6	35.7		28.5		
2/14/2023				2.2			
2/16/2023							1.4
2/17/2023						59.4	
7/25/2023	10.8	36.7		2.2	34.2		
7/26/2023			35.7				
7/28/2023						43	1.3

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	7.04						
3/31/2016		36.4	45				
4/4/2016				21.3	27.9	8.63	36.9
5/25/2016	13.5						
5/26/2016		37.6	41.7	22.5	28.7		
5/27/2016						9.07	
5/31/2016							43.9
8/1/2016	2.2						
8/3/2016			35.2	17.5		6.82	
8/4/2016					18.6		45
8/5/2016		30.7					
9/26/2016	5.72						
9/28/2016		32.4	39.2	24.1	17.7		
9/29/2016							60.5
9/30/2016						8.8	
11/11/2016	2.5						
11/22/2016		31.4	37.2	15.7	20.2	8.08	
11/28/2016							54.7
1/30/2017	2.01						
2/7/2017		30.1	38.4				
2/8/2017				18.3	24.3		
2/9/2017							61
2/13/2017						8.51	
4/3/2017	6.26						
4/10/2017		23.6	38.7	18.5	29		
4/11/2017						7.5	
4/12/2017							52.3
6/12/2017	7.44						
6/14/2017		34.6	40.8			7.82	
6/15/2017				21	29		
6/16/2017							62.3
10/2/2017	6.55						
10/4/2017		35.2	40.1	9.4	23.9	8.32	
10/9/2017							58.6
3/16/2018	2.6						
3/20/2018		12 (J)					
3/21/2018			43.3	19.7 (J)			40.9
3/22/2018					27.5	7.5	
9/18/2018	1.3	36.7	45.4	17.6 (J)	26.3	8.2	
9/19/2018							45.9
3/19/2019	4.6						
3/22/2019		15.4 (J)	37.2				
3/23/2019				7.8	28.3	7.5	29.6
9/12/2019	3.7						
9/17/2019		36.7	40.5	16.8	27.6	7.8	
9/18/2019							40.7
3/11/2020	1.2						
3/12/2020		18.6	43.2	8	32.5	8.1	
3/13/2020							33
9/15/2020	0.94 (J)						
9/17/2020		32.6	39				
9/21/2020				17.7	26	8	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							43.1
3/17/2021	5.4						
3/18/2021		27	43.8				30.8
3/19/2021				19.7	31.3	7.8	
8/9/2021	1.7						
8/10/2021		29.4					
8/11/2021			44.3	9.1	33.2	8.4	28.4
2/2/2022	0.93 (J)					8.4	
2/4/2022		21.3	46.3	19.2	34.8		
2/17/2022							29.3
8/17/2022	3.8	36.7					
8/18/2022			48.5	10.2	36.9	9.2	33
2/16/2023	0.81 (J)						
2/20/2023		9	46.2	7.4	32.5		
2/21/2023						7.9	
2/22/2023							26.3
7/28/2023	0.6 (J)						
7/31/2023		33.7	42.5				
8/1/2023				23.1	30	7.8	33.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					5.5	0.8	36
4/4/2016	26.5						
4/5/2016		35.7	37.7	12.2			
5/16/2016					4.3	0.877 (D)	37.4 (D)
5/31/2016			38.4	8.24			
6/1/2016	26.6	28.2					
7/25/2016					1.41	0.781 (D)	30.2 (D)
8/4/2016			28.6				
8/9/2016		43					
9/19/2016					1.01	0.775 (D)	32.3 (D)
9/29/2016			31.4				
11/3/2016					0.884		29.3 (D)
11/4/2016						0.792 (D)	
11/23/2016			62.5 (o)	24.5			
11/28/2016		24.8					
1/19/2017					1.41		
1/20/2017							28.7 (D)
1/23/2017						0.782 (D)	
2/9/2017		21.2					
2/10/2017			31.2	23.8			
2/22/2017	51.6						
3/28/2017					4.23		
3/29/2017						0.756 (D)	34.9 (D)
4/11/2017	45.2	21.1		25.7			
4/12/2017			34.1				
6/5/2017					10.1		
6/7/2017						0.944	30.9
6/14/2017		20.6					
6/15/2017			34.2	24.8			
6/16/2017	47.5						
7/12/2017	51.6	17.7		27.7			
7/26/2017				25.6			
7/28/2017	46						
8/10/2017	52.2						
9/26/2017					4.14		
9/27/2017						0.773	34.2
10/5/2017		20.1					
10/6/2017	42.2		35.4	24.7			
3/15/2018					9	0.77	34.6
3/22/2018		18.6 (J)					
3/23/2018	41.4		35.6	24.3 (J)			
9/12/2018					4.1		
9/13/2018						0.79	36.1
9/19/2018		20 (J)	35.7	23.7 (J)			
9/20/2018	47.5						
3/14/2019					17.2 (X)	0.9 (D)	37 (D)
3/22/2019	40.5	16.7 (J)		21.3 (J)			
3/25/2019			35.6				
9/11/2019					7.1	0.83 (D)	37.2 (D)
9/17/2019		11.4	39.5	22.1			
9/18/2019	42.9						
3/10/2020					16.9	0.89 (J)	43.5

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		17	41	24.2			
3/17/2020	44.9						
9/11/2020						0.81 (J)	35.3
9/15/2020					8.3		
9/21/2020		13.1	36.5	22.6			
9/22/2020	47.7						
3/11/2021					11.9	0.93 (J)	43.1
3/18/2021		13	42.1	27.4			
3/19/2021	43						
8/4/2021					12.5		
8/6/2021						0.94 (J)	40.6
8/11/2021		14.3	38.6	25.4			
8/12/2021	43.1						
1/31/2022					11.2		
2/1/2022						1.1	43.9
2/4/2022	43.9	14.3	41.7				
2/7/2022				26.1			
8/12/2022						1.1	43.3
8/15/2022					10.6		
8/18/2022		14.7					
8/19/2022	47.3		40.4	28.1			
2/14/2023					12.5	1	47.5
2/22/2023	40.1	14.3	38.1	24.4			
7/26/2023					3.6	0.97 (J)	45.7
8/1/2023		12.5		24.5			
8/2/2023	40.6		34.6				

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	50	26	25	12			
3/17/2016					24	6.4	
3/28/2016							4.29
5/17/2016	50.5			3.25			
5/18/2016		26.2	27.6		27.7	4.63	
5/25/2016							7.15
7/26/2016	40.7						
7/27/2016		19.3	23.9	3.2	21.7		
7/28/2016						2.25	
8/1/2016							3.35
9/20/2016	38.8	25.3	28.9	2.72			
9/21/2016					24.9	1.86	
9/27/2016							2.89
11/4/2016	40.7		32.1	1.69	23.6		
11/7/2016		23.6				1.65	
11/11/2016							3.33
1/20/2017	38.8		31.8				
1/23/2017		25.1		<0.5			
1/24/2017					23	1.62	
1/31/2017							3.21
3/28/2017	48.3			1.72			
3/29/2017		28.9	34.6		27.5		
3/30/2017						1.27	
4/3/2017							2.57
6/7/2017	43.4						
6/8/2017		25.6	34	3.11	27.1		
6/9/2017						1.18	
6/12/2017							6.22
9/27/2017		23.8	30.8				
9/29/2017	46.6			2.71	25.3	0.967	
10/3/2017							2.45
3/15/2018	46.2	21.6 (J)		3.5	24.4 (J)	0.81	
3/16/2018			30.2				
3/19/2018							3.3
9/13/2018	45.3	23.8 (J)	30.9	2.5	22.8 (J)		
9/14/2018						0.7	
9/17/2018							2
3/15/2019		20.4 (X)		4.4			
3/18/2019	46.1				31		
3/19/2019			28.4			1.1	
3/20/2019							2.7
9/11/2019	43.1		33.3	2.9	24.3	0.78	
9/12/2019		21.1					
9/16/2019							2.8
3/9/2020		22.3	35	4.5		0.87 (J)	
3/10/2020	51.6						
3/11/2020					27.1		
3/16/2020							12.1
9/11/2020					24.7		
9/14/2020	40.2	20.9		3.5		0.65 (J)	
9/15/2020			31.6				
9/16/2020							2.8

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	45.2	21.1	31.8	5.9			
3/15/2021					24.7	0.69 (J)	
3/17/2021							3
8/4/2021				2.8			
8/5/2021	43.7	20.4	29			0.67 (J)	
8/9/2021							2.6
8/11/2021					27.4		
1/31/2022	39.9			2.8			
2/1/2022		21.3	29.4		26	0.62 (J)	
2/2/2022							3.7
8/15/2022	38.7	33.7 (J)	22.3	5.6	25.4	0.7 (J)	
8/16/2022							3.7
2/14/2023	41.1	20.5	31.6	3	24.3	0.65 (J)	
2/20/2023							3.5
7/26/2023	37.7			3.8			
7/27/2023		17.3	27.9		21.8	0.61 (J)	
7/28/2023							1.9

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					25.1	
3/29/2016	13.8	11.1				
3/30/2016				22.2		9.07
5/24/2016	14.8	12.6		25.2		
5/25/2016					23.7	
5/26/2016						15.8
5/31/2016			25.7			
8/2/2016			22.9	20.8	21.5	
8/5/2016						20.5
9/26/2016	13.3	11.8			21.4	
9/27/2016			22.2	23.1		
9/28/2016						24.9
11/14/2016		11.3				
11/18/2016	12.4					
11/21/2016			22.1		21	23.4
11/22/2016				22.3		
2/1/2017	13.3	12.6	21.7			
2/3/2017					20	
2/6/2017				21.4		1.7
4/6/2017	13.4	9.84	21.4	21.1		1.6
6/13/2017	14.6	13	24.4		21.5	3.82
6/14/2017				22.1		
7/14/2017			24.8			
10/3/2017	13.9	13.7	23.6		22.8	9.77
10/4/2017				23.1		
3/19/2018	14.4 (J)					
3/20/2018		11.5 (J)	22.9 (J)		20.3 (J)	1.4
3/21/2018				22.5 (J)		
9/17/2018	12.4 (J)	11 (J)				
9/18/2018			20.8 (J)	20.8 (J)	15.5 (J)	3.35 (D)
3/21/2019	14.9 (J)	8.3	25.2			4.8
3/27/2019				20.6 (J)		
5/6/2019					20 (J)	
9/13/2019			24.6			
9/16/2019	13.5	9.5		23	20.3	12
3/12/2020	16.2	9.3	26.4	21.8		1.8
3/16/2020					19.4	
9/16/2020	14.3	8.8	24.4			
9/17/2020				21.4	18.1	18.3
3/17/2021	14.1	9.5	23.9	22.4		
3/18/2021					9.6	1.9
8/10/2021	14.7	9.9	26.2	23.5	20	1.9
2/2/2022	15.5	10.5	26.9	23.9	20.8	2.2
8/17/2022	15.8	10	27.2	24	10.4	2.5
2/17/2023	15.2	9.7				
2/20/2023			26.1		18.5	
2/21/2023				18		2.3
7/28/2023		7.1				
7/31/2023	14.6		23.6	23	20.8	11.6

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					1.795		
3/15/2016							1.1671
3/22/2016	1.5101						
3/23/2016		2.4904	0.9079			1.6092	
5/11/2016					2.04		0.8763
5/16/2016				1.74 (D)			
5/19/2016	1.5		0.9136				
5/20/2016		1.71					
5/23/2016						1.52	
7/19/2016					2.1		
7/21/2016							1.4
7/27/2016				2.1 (D)			
7/29/2016	1.7	2	1.1			1.5	
9/15/2016					1.7		
9/19/2016							1.1
9/22/2016			1			1.4	
9/23/2016	1.8	1.8					
11/2/2016					1.8		
11/3/2016							1.2
11/9/2016	2	1.6					
11/10/2016			1.2			1.6	
1/17/2017							1
1/18/2017					1.7		
1/30/2017	1.5						
1/31/2017		1.3	1.2			1.6	
2/21/2017				4 (D)			
3/24/2017							1.2
3/27/2017				2.6 (D)			
3/28/2017					1.3		
3/30/2017	1.8	1.6				1.4	
4/3/2017			0.99				
5/24/2017							1.5
6/7/2017					1.2		
6/8/2017				2.1 (D)			
6/9/2017	1.6		0.87				
6/12/2017		1.6				1.4	
7/17/2017				1.9 (D)			
7/27/2017				3 (D)			
8/9/2017				2.5 (D)			
9/26/2017					1.7		2.4
9/29/2017				2.7 (D)			
10/2/2017	1.6	0.94	1				
10/4/2017						1.5	
12/28/2017							3.9 (Y)
3/14/2018					1.4		2.4
3/16/2018	1.7		1.6	2.6			
3/19/2018		1.9				1.5	
9/12/2018					1.6		1
9/14/2018		0.98	0.92	1.9			
9/17/2018	1.55 (D)					1.5	
3/13/2019							2.2
3/14/2019				2.8			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/15/2019					1.7		
3/19/2019			2				
3/20/2019	<1.4	<0.86				<1.5	
9/9/2019					1.2		0.83 (X)
9/10/2019				2.3			
9/12/2019	1.3	0.815 (JD)					
9/13/2019			0.94 (J)			1.5	
3/9/2020				1.5	1.2		1.5
3/11/2020	1.4	2	0.6 (J)			1.4	
9/10/2020					1.2		
9/11/2020							0.77 (J)
9/15/2020	1.3	1.2	0.75 (J)				
9/16/2020				1.7			
3/10/2021							0.97 (J)
3/12/2021					1.2		
3/16/2021	1.3		0.73 (J)	1.3			
3/17/2021		1.4					
3/29/2021						1.5	
8/4/2021					1.1		0.82 (J)
8/6/2021				1.3			
8/9/2021	1.3	1.5	1.1			1.4	
1/31/2022					1		0.71 (J)
2/1/2022	1.2	1.4	0.77 (J)				
2/2/2022				1.5		1.9	
8/10/2022					0.93 (J)		
8/12/2022							<1
8/16/2022	0.99 (J)	1.1	0.82 (J)	1.6		2.5	
2/13/2023					1.3		1.1
2/14/2023				1.6			
2/16/2023	1.2	1.6	1.9				
2/17/2023						6.3	
7/25/2023				1.7			
7/26/2023					1.3		0.92 (J)
7/27/2023	1.2	1.3	0.92 (J)				
8/1/2023						5.7	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			2.4984	1.2562	1.9467		
3/15/2016	4.1666	6.1465					
3/28/2016							1.14
5/12/2016	1.78						
5/13/2016		3.08		1.32	2.14		
5/16/2016			2.22				
5/23/2016							1.19
7/19/2016				1.3	3.1		
7/20/2016	1.8						
7/21/2016		3.7					
7/22/2016			2.6				
8/1/2016							1.2
9/15/2016	1.4						
9/16/2016				1.2	3.5		
9/19/2016			2.5				
9/21/2016		2.4					
9/26/2016							1.1
11/2/2016				1.4	4.7		
11/3/2016	1.6	3.4	3				
11/10/2016							1.3
1/17/2017		1.9	2.9				
1/18/2017	1.5			1.2	4.9		
1/30/2017							1.2
2/22/2017						3.7 (D)	
3/24/2017	1.4						
3/27/2017		2.4	3				
3/28/2017				1.4	4.1		
4/7/2017						2.5 (D)	1.2
6/6/2017	2.8	4.5		1.4	3.6		
6/7/2017			3				
6/12/2017							1.1
6/14/2017						2.6 (D)	
7/12/2017						2.8 (D)	
7/20/2017						2.3 (D)	
7/28/2017						2 (D)	
8/9/2017						1.8 (D)	
8/24/2017						2.9 (D)	
9/22/2017				1.3	3.9		
9/25/2017	1.8	2.5					
9/26/2017			3.1				
10/2/2017							1.2
10/3/2017						2.8 (D)	
3/14/2018	3	4 (J)	3.2	1.3			
3/15/2018					2.8		
3/16/2018							1.4
3/21/2018						2.9	
9/12/2018	1.4	2.1		1.3	3.1		
9/14/2018			2.3				
9/17/2018							1.1
9/18/2018						3.1	
3/13/2019				1.6	2.9		
3/14/2019	2.6	2.9	3.6				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<1.2
3/21/2019						3.6 (D)	
9/10/2019	1.1	1.7	2				
9/11/2019				1.3	3.1		
9/12/2019						2.1 (D)	
9/13/2019							1
3/6/2020	1.3		2.7				
3/9/2020		1.3		1.2	2.2		
3/11/2020							0.91 (J)
3/12/2020						2.3	
9/10/2020	1.2	1.4	2				
9/11/2020				1.3			
9/14/2020					3.3		
9/16/2020							0.97 (J)
9/17/2020						2.4	
3/10/2021		1.6					
3/11/2021	1.5		2.5	1.3	2.7		
3/16/2021						2.7	
3/17/2021							1 (J)
8/4/2021	1.2	1.3	2.3				
8/5/2021					1.9		
8/6/2021				1.3			
8/9/2021							1 (J)
8/10/2021						2.8	
1/31/2022	1	1	2	1.1	1.7		
2/1/2022							0.91 (J)
2/3/2022						2.6	
8/10/2022			1.8		1.7		
8/11/2022	1.3	1.4		1.4			
8/16/2022							0.69 (J)
8/17/2022						2.6	
2/13/2023	1.6	1.5	2.4		1.8		
2/14/2023				1.3			
2/16/2023							0.91 (J)
2/17/2023						3	
7/25/2023	0.97 (J)	1.3		1.4	2		
7/26/2023			1.9				
7/28/2023						3	0.95 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.9204						
3/31/2016		2.72	2.79				
4/4/2016				1.42	1.67	1.03	3.55
5/25/2016	1.04						
5/26/2016		2.63	2.87	1.37	1.64		
5/27/2016						0.9684	
5/31/2016							3.55
8/1/2016	0.85						
8/3/2016			3.2	1.4		1.3	
8/4/2016					1.7		4.4
8/5/2016		3					
9/26/2016	0.87						
9/28/2016		2.5	3	1.2	1.4		
9/29/2016							4
9/30/2016						1.2	
11/11/2016	0.99						
11/22/2016		2.6	3.1	1.6	1.9	1.2	
11/28/2016							4
1/30/2017	0.95						
2/7/2017		2.3	3				
2/8/2017				1.4	1.7		
2/9/2017							7.5
2/13/2017						0.96	
4/3/2017	0.88						
4/10/2017		1.9	2.3	1.3	1.8		
4/11/2017						1.2	
4/12/2017							5.3
6/12/2017	0.83						
6/14/2017		1.9	2			0.89	
6/15/2017				1.2	1.5		
6/16/2017							5.4
10/2/2017	0.94						
10/4/2017		2	2.1	1.3	1.6	1	
10/9/2017							6.2
3/16/2018	<1						
3/20/2018		2.2					
3/21/2018			2.5	1.6			4.6
3/22/2018					2	<1.3	
9/18/2018	1	2.4	2.5	1.5	1.9	1.3	
9/19/2018							5.1
3/19/2019	<1						
3/22/2019		2.2	2.8				
3/23/2019				1.2	1.7	0.88	3.5
9/12/2019	0.74 (J)						
9/17/2019		2.4	2.8	1.1	1.4	0.835 (JD)	
9/18/2019							4
3/11/2020	0.73 (J)						
3/12/2020		2.3	3	1	1.5	0.84 (J)	
3/13/2020							3.3
9/15/2020	0.7 (J)						
9/17/2020		2.5	2.9				
9/21/2020				1	1.3	0.71 (J)	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							3.5
3/17/2021	0.81 (J)						
3/18/2021		2.1	2.5				3.4
3/19/2021				1.1	1.4	0.79 (J)	
8/9/2021	0.78 (J)						
8/10/2021		1.9					
8/11/2021			2.1	0.9 (J)	1.3	0.72 (J)	2.9
2/2/2022	0.7 (J)					0.79 (J)	
2/4/2022		1.9	2.2	1.1	1.4		
2/17/2022							3.1
8/17/2022	<1	1.6					
8/18/2022			2.5 (J)	1.2	1.7	1	3.4
2/16/2023	0.71 (J)						
2/20/2023		1.9	2.4	1.2	1.6		
2/21/2023						0.99 (J)	
2/22/2023							3.2
7/28/2023	0.72 (J)						
7/31/2023		2.1	2.3				
8/1/2023				1.3	1.6	0.96 (J)	3.3

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					6.505	0.9445	3.0774
4/4/2016	3.3						
4/5/2016		1.93	2.08	0.9439			
5/16/2016					5.08	0.9104 (D)	3 (D)
5/31/2016			1.51	1			
6/1/2016	3.18	1.93					
7/25/2016					1.2	1.2 (D)	3 (D)
8/4/2016			1.7				
8/9/2016		2.4					
9/19/2016					1.9	1.1 (D)	3 (D)
9/29/2016			1.5				
11/3/2016					2		3 (D)
11/4/2016						1 (D)	
11/23/2016			1.9	1.7			
11/28/2016		3					
1/19/2017					2.6		
1/20/2017							3.3 (D)
1/23/2017						1.2 (D)	
2/9/2017		3					
2/10/2017			1.5	1.6			
2/22/2017	7.2						
3/28/2017					5.7		
3/29/2017						1.1 (D)	3.2 (D)
4/11/2017	5.5	4.5		1.5			
4/12/2017			1.7				
6/5/2017					7.8		
6/7/2017						1	3.1
6/14/2017		3					
6/15/2017			1.4	1			
6/16/2017	8.7						
7/12/2017	7.5	3.9		1.8			
7/20/2017					7.4		
7/26/2017				1.2			
7/28/2017	6.6						
8/10/2017	8.5						
9/26/2017					3.7		
9/27/2017						1.1	3.2
10/5/2017		2.7					
10/6/2017	8.9		1.6	1.7			
3/15/2018					6.5	<1	3.3
3/22/2018		3.4					
3/23/2018	8.3		1.5	<1			
9/12/2018					3.6		
9/13/2018						0.93	2.9
9/19/2018		2.8	1.7	1.1			
9/20/2018	9.6						
3/14/2019					6.4	<1 (D)	4.3 (D)
3/22/2019	7.4	3.7		1.2			
3/25/2019			1.9				
9/11/2019					3.7	0.81 (XJD)	2.9 (D)
9/17/2019		3.8	2	0.78 (X)			
9/18/2019	7.6						

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					5.9	0.8 (J)	4.4
3/13/2020		4.2	1.6	0.7 (J)			
3/17/2020	7.7						
9/11/2020						0.79 (J)	3.1
9/15/2020					4.2		
9/21/2020		3.5	1.6	0.64 (J)			
9/22/2020	7						
3/11/2021					5.5	0.83 (J)	4
3/18/2021		4	1.7	0.67 (J)			
3/19/2021	7.4						
8/4/2021					4.9		
8/6/2021						0.86 (J)	3.8
8/11/2021		3.4	1.2	<1			
8/12/2021	5.8						
1/31/2022					4.2		
2/1/2022						0.79 (J)	4.3
2/4/2022	6.1	3.6	1.2				
2/7/2022				0.6 (J)			
8/12/2022						<1	3
8/15/2022					5.1		
8/18/2022		4.3					
8/19/2022	6.4		1.4	0.88 (J)			
10/11/2022					2.9		
2/14/2023					5.7	0.81 (J)	5.3
2/22/2023	5.8	4	1.5	0.83 (J)			
7/26/2023					2.4	0.99 (J)	3.2
8/1/2023		3.7		0.82 (J)			
8/2/2023	5.4		1.2				

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	1.9859	2.2206	2.5934	2.4266			
3/17/2016					1.4476	1.0624	
3/28/2016							0.8659
5/17/2016	2.37			2.01			
5/18/2016		2.42	2.51		1.43	1.41	
5/25/2016							0.8639
7/26/2016	2.4						
7/27/2016		2.4	2.5	2.3	1.6		
7/28/2016						1.4	
8/1/2016							0.93
9/20/2016	2.4	2.4	2.4	2.2			
9/21/2016					1.6	1.2	
9/27/2016							0.8
11/4/2016	2.8		2.9	3	1.6		
11/7/2016		2.8				1.4	
11/11/2016							0.95
1/20/2017	2.2		2.7				
1/23/2017		2.4		2.5			
1/24/2017					1.7	<1.1 (*)	
1/31/2017							0.99
3/28/2017	2.3			2.2			
3/29/2017		2.8	2.3		1.6		
3/30/2017						1.2	
4/3/2017							0.93
6/7/2017	2.3						
6/8/2017		2.5	2.3	2.3	1.6		
6/9/2017						1.1	
6/12/2017							0.91
9/27/2017		2.4	2.4				
9/29/2017	2.1			2.5	1.7	1.2	
10/3/2017							0.95
3/15/2018	2	2.7		2.6	1.6	1.4	
3/16/2018			2.7				
3/19/2018							0.82
9/13/2018	1.9	2.6	2.5	2.8	1.3		
9/14/2018						1.1	
9/17/2018							0.9
3/15/2019		2.8		3.3			
3/18/2019	1.8				2.7		
3/19/2019			2.6			<1.1	
3/20/2019							<1
9/11/2019	1.4		2.1	3.3	1.4	1	
9/12/2019		2.3					
9/16/2019							0.73 (J)
3/9/2020		2.3	2.3	3.4		1	
3/10/2020	1.2						
3/11/2020					1.4		
3/16/2020							0.67 (J)
9/11/2020					1.2		
9/14/2020	1.1	2.2		4		0.98 (J)	
9/15/2020			2.2				
9/16/2020							0.7 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	1.1	2.3	2.4	4.5			
3/15/2021					1.2	0.98 (J)	
3/17/2021							0.69 (J)
8/4/2021				5			
8/5/2021	1.2	2.2	2.3			1	
8/9/2021							0.74 (J)
8/11/2021					1.1		
1/31/2022	1.7			4.8			
2/1/2022		2	2.3		1.1	0.93 (J)	
2/2/2022							0.66 (J)
4/28/2022				5			
8/15/2022	3	2.4	2.2	5.4	1.3	1.2	
8/16/2022							<1
10/21/2022				5.9			
2/14/2023	3.7	2	2.8	6	1	1	
2/20/2023							0.88 (J)
3/16/2023				5.4			
7/26/2023	3.9			6.4			
7/27/2023		2	2.2		1.1	1	
7/28/2023							0.69 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					1.4231	
3/29/2016	1.3977	1.6645				
3/30/2016				0.9409		2.21
5/24/2016	1.33	1.58		0.92		
5/25/2016					1.11	
5/26/2016						2.1
5/31/2016			1.33			
8/1/2016	1.2	1.4				
8/2/2016			1.5	1.2	1.5	
8/5/2016						2.4
9/26/2016	1.1	1.4			1.6	
9/27/2016			1.4	1.1		
9/28/2016						2.1
11/14/2016		1.6				
11/18/2016	1.2					
11/21/2016			1.5		1.5	2.2
11/22/2016				1.2		
2/1/2017	1.3	1.4	1.5			
2/3/2017					1.8	
2/6/2017				1.1		2.5
4/6/2017	1.1	1.5	1.2	1.2		2.2
4/7/2017					1.5	
6/13/2017	1.2	1.3	0.98		1.3	2
6/14/2017				0.92		
7/14/2017			1.1			
10/3/2017	1.2	1.3	1		1.4	2
10/4/2017				1		
3/19/2018	1.2					
3/20/2018		1.7	1.5		1.8	2.4
3/21/2018				1.3		
9/17/2018	1.1	1.3				
9/18/2018			1.3	1.2	1.9	2.4 (D)
3/21/2019	<1.4	<1.5	<1			2
3/27/2019				0.9		
5/6/2019					1.1	
9/13/2019			1			
9/16/2019	1.1	1.2		0.75 (JD)	1.4	1.9
3/12/2020	1.3	1.3	0.72 (J)	0.93 (J)		1.9
3/16/2020					1.3	
9/16/2020	1.2	1.2	0.79 (J)			
9/17/2020				0.77 (J)	1.4	1.9
3/17/2021	1.2	1.4	0.79 (J)	0.78 (J)		
3/18/2021					1.6	2.2
8/10/2021	1	1.1	0.68 (J)	0.68 (J)	1.2	1.8
2/2/2022	1.1	1.3	0.76 (J)	0.77 (J)	1.4	2.1
8/17/2022	0.89 (J)	0.99 (J)	<1	<1	1.3	1.9
2/17/2023	1.4	1.5				
2/20/2023			0.94 (J)		1.6	
2/21/2023				0.97 (J)		2.1
7/28/2023		1.3				
7/31/2023	1.3		0.94 (J)	0.98 (J)	1.5	2

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	0.0045	<0.005			<0.005	
10/23/2007	0.011						
10/24/2007		0.039 (O)	0.0033				
11/2/2007						0.027 (O)	
11/18/2007	0.038 (O)	0.059 (O)	0.012			0.17 (O)	
1/30/2008	0.11 (O)						
1/31/2008		0.0067	0.052 (O)			0.012	
3/10/2008	0.038 (O)		0.01				
3/11/2008		0.03 (O)				0.063 (O)	
5/6/2008		0.0062					
5/13/2008	0.012		0.0068				
5/14/2008						0.057 (O)	
12/4/2008		0.009	0.0017				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		0.0022	<0.005				
10/7/2009	0.0065	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	0.0019						
4/15/2013		0.0013					
10/15/2013		0.0023					
10/16/2013	0.0024		<0.005			0.0013	
4/10/2014			<0.005				
4/11/2014	0.0013 (J)						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	0.0047	0.0011 (J)	<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0017 (JD)			
7/29/2016	<0.005	<0.005	<0.005			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			0.0013 (J)	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	0.0011 (J)	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				0.001 (J)			
3/24/2017							<0.005 (*)
3/27/2017				<0.005 (D)			
3/28/2017					<0.005 (*)		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
5/24/2017							0.0008 (J)
6/7/2017					<0.005		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		0.0008 (J)				<0.005	
7/17/2017				<0.005 (D)			
7/27/2017				0.0005 (J)			
8/9/2017				0.0005 (J)			
9/26/2017					<0.005		0.0005 (J)
9/29/2017				0.0006 (JD)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0031 (J)				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				0.004 (J)			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			0.00073 (J)	
3/9/2020				0.0016 (J)	0.069 (o)		0.0009 (J)
3/11/2020	0.0012 (J)	0.0025 (J)	0.0042 (J)			0.00095 (J)	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	0.00086 (J)	<0.005				
9/16/2020				0.00058 (J)			
3/10/2021							0.00075 (J)
3/12/2021					0.00064 (J)		
3/16/2021	<0.005		<0.005	0.0008 (J)			
3/17/2021		<0.005					
3/29/2021						0.00062 (J)	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				0.0012 (J)		0.0069	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					<0.005		<0.005
7/27/2023	<0.005	<0.005	<0.005				
8/1/2023						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							0.0014
4/14/2011							0.0014
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0013 (J)
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	0.00212 (J)		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	0.0006 (J)		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	0.0014 (J)		
1/30/2017							<0.005
2/22/2017						<0.005	
3/24/2017	<0.005 (*)						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						<0.005	<0.005
6/6/2017	<0.005	0.0004 (J)		0.0004 (J)	0.0009 (J)		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						<0.005 (D)	
7/12/2017						<0.005 (D)	
7/20/2017						<0.005 (D)	
7/28/2017						<0.005	
8/9/2017						<0.005	
8/24/2017						<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				0.0008 (J)	0.0006 (J)		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					0.0017 (J)		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				0.00051 (J)	0.00066 (J)		
9/12/2019						<0.005 (D)	
9/13/2019							<0.005
3/6/2020	0.015		0.00045 (J)				
3/9/2020		0.0004 (J)		0.0033 (J)	0.0014 (J)		
3/11/2020							0.0011 (J)
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					0.0011 (J)		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	0.0015 (J)		<0.005	<0.005	0.0011 (J)		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	0.0011 (J)		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				0.0016 (J)			
2/16/2023							<0.005
2/17/2023						<0.005	
7/25/2023	<0.005	<0.005		<0.005	<0.005		
7/26/2023			<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.005	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.0015	0.036 (O)	<0.005	0.037	0.0013	0.0019
11/1/2007		0.011	0.01	<0.005	0.04	<0.005	0.01
11/18/2007				<0.005	0.045		
11/19/2007						0.0056	0.021
11/20/2007		0.042 (o)	0.0039				
1/16/2008						0.039 (o)	
1/30/2008		0.034	0.019 (O)	<0.005	0.041		
1/31/2008							0.035
3/5/2008				<0.005		0.03	0.012
3/6/2008		0.027	<0.005		0.042		
5/7/2008				0.025 (o)	0.029		
5/8/2008			0.01				
5/12/2008		0.015					0.02
5/13/2008						0.0057	
12/12/2008	<0.005						
12/13/2008		0.0036				<0.005	0.014
12/14/2008			0.0038	0.0021	0.032		
4/16/2009						<0.005	
4/23/2009	0.0031						
4/28/2009							0.0079
4/29/2009		<0.005	<0.005	0.011	0.017		
10/6/2009	0.0024						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0015	0.0092
10/22/2009				0.01	0.022		
4/21/2010			<0.005	0.0053	0.021		
4/26/2010		<0.005					
4/27/2010						0.0036	
4/28/2010							0.0086
5/3/2010	<0.005						
9/28/2010			<0.005	0.0076			
9/29/2010		0.0034			0.024		
10/5/2010						<0.005	0.0085
10/11/2010	0.0028						
4/12/2011			<0.005	0.0095			
4/13/2011		<0.005			0.014		
4/19/2011						0.003	0.0089
4/27/2011	0.0041						
10/4/2011			0.0019	0.0091	0.017		
10/5/2011		0.0032					
10/12/2011						<0.005	
10/18/2011							0.0093
10/19/2011	<0.005						
4/3/2012			<0.005	0.0076			
4/4/2012		<0.005			0.014		
4/24/2012						<0.005	
4/25/2012							0.0075
5/1/2012	<0.005						
10/2/2012	0.0019					<0.005	0.017
10/3/2012		0.0047		0.0039	0.0033		
10/8/2012			<0.005				
4/2/2013						0.0018	0.0097

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0014	<0.005	<0.005	0.017		
4/10/2013	0.0027						
10/8/2013							0.011
10/9/2013				0.0089	0.015	<0.005	
10/15/2013		0.002	<0.005				
10/16/2013	0.0029						
4/1/2014						<0.005	0.0074
4/2/2014				<0.005	0.014		
4/9/2014		<0.005	<0.005				
4/22/2014	0.0024						
10/1/2014	<0.005						0.0049
10/2/2014		<0.005	<0.005	<0.005	0.0048	<0.005	
3/30/2015	0.0022						
4/1/2015				0.0062	0.0084	<0.005	0.0072
4/2/2015		<0.005	<0.005				
10/10/2015		0.0013					
10/11/2015	<0.005			<0.005	0.019		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							0.0077
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				0.00656 (J)	0.00728 (J)	<0.005	0.00615 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	0.00752 (J)	0.00553 (J)		
5/27/2016						<0.005	
5/31/2016							0.00588 (J)
8/1/2016	<0.005						
8/3/2016			<0.005	0.0067 (J)		<0.005	
8/4/2016					0.0071 (J)		0.0056 (J)
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	0.0082 (J)	0.0093 (J)		
9/29/2016							0.0065 (J)
9/30/2016						<0.005	
11/11/2016	<0.005						
11/22/2016		0.0024 (J)	<0.005	0.0045 (J)	0.0058 (J)	<0.005	
11/28/2016							0.0064 (J)
1/30/2017	<0.005						
2/7/2017		0.0015 (J)	0.0019 (J)				
2/8/2017				0.0101	0.0072 (J)		
2/9/2017							0.0078 (J)
2/13/2017						<0.005	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	0.0094 (J)	<0.01		
4/11/2017						<0.005	
4/12/2017							0.0077 (J)
6/12/2017	0.0005 (J)						
6/14/2017		0.0006 (J)	<0.005			<0.005	
6/15/2017				0.009 (J)	0.0066 (J)		
6/16/2017							0.0072 (J)
10/2/2017	<0.005						

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		0.0027 (J)	<0.005	0.0008 (J)	0.0079 (J)	<0.005	
10/9/2017							0.0079 (J)
3/16/2018	<0.005						
3/20/2018		<0.005					
3/21/2018			<0.005	0.0079 (J)			0.0055 (J)
3/22/2018					0.0062 (J)	<0.005	
9/18/2018	<0.005	<0.005	<0.005	0.0081 (J)	0.0062 (J)	<0.005	
9/19/2018							0.0059 (J)
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	0.0048 (J)	<0.005	0.0058 (J)
9/12/2019	<0.005						
9/17/2019		0.0009 (J)	0.00067 (J)	0.0079 (J)	0.0042 (J)	0.0058 (JD)	
9/18/2019							0.0063 (J)
3/11/2020	<0.005						
3/12/2020		0.00047 (J)	<0.005	0.00084 (J)	0.0042 (J)	<0.005	
3/13/2020							0.0054 (J)
9/15/2020	<0.005						
9/17/2020		0.0011 (J)	<0.005				
9/21/2020				0.0081 (J)	0.0056 (J)	<0.005	
9/22/2020							0.0062 (J)
3/17/2021	<0.005						
3/18/2021		0.00068 (J)	0.002 (J)				0.0058
3/19/2021				0.0073	0.0079	<0.005	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	0.0042 (J)	<0.005	0.0074
2/2/2022	<0.005					<0.005	
2/4/2022		<0.005	<0.005	0.0071	0.0042 (J)		
2/17/2022							0.0053
8/17/2022	<0.005	0.0013 (J)					
8/18/2022			<0.005	<0.005	0.0046 (J)	<0.005	0.0044 (J)
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	0.0015 (J)	0.0037 (J)		
2/21/2023						<0.005	
2/22/2023							0.0038 (J)
7/28/2023	<0.005						
7/31/2023		0.0019 (J)	<0.005				
8/1/2023				0.0074	0.005 (J)	0.0016 (J)	0.0047 (J)

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			0.014				
8/24/2007		0.083 (O)		0.061 (O)			
11/1/2007	0.0042						
11/2/2007		0.0071	0.0036	0.078 (O)			
11/17/2007		0.012	0.031 (O)				
11/18/2007				0.085 (O)			
11/19/2007	0.0049						
1/15/2008		0.043 (o)	0.011	0.079 (O)			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0044					
3/6/2008			0.0027				
3/10/2008				0.062 (O)			
5/7/2008	<0.005	0.0084	0.008				
5/13/2008				0.044 (O)			
12/2/2008		0.0056	0.0059	0.027			
12/12/2008	0.019 (O)						
4/16/2009		0.0042					
4/28/2009			<0.005	0.016			
4/29/2009	0.002						
10/19/2009			<0.005				
10/20/2009		0.0037		0.018			
10/21/2009	0.002						
4/20/2010		<0.005					
4/27/2010			<0.005	0.012			
4/28/2010	0.0049						
9/29/2010		0.0028					
10/4/2010			0.0013				
10/5/2010				0.0067			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				0.0081			
4/20/2011	<0.005						
10/4/2011		0.0015					
10/12/2011	<0.005		0.0014	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	0.0015						
10/10/2012		0.0029	<0.005	<0.005			
4/2/2013	0.0017						
4/15/2013		0.0036	0.0021				
4/16/2013				0.0029			
10/8/2013	<0.005						
10/22/2013		0.0048	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		0.0043	0.0013 (J)	<0.005			
9/30/2014		0.0037	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		0.016	<0.005	<0.005			

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		0.0092	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		0.00605 (J)	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005 (D)	0.006 (J)					
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0086 (JD)					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	0.0012 (J)						
3/28/2017					<0.005		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
6/5/2017					<0.005		
6/7/2017						<0.005	0.0004 (J)
6/14/2017		0.0006 (J)					
6/15/2017			0.0005 (J)	0.0005 (J)			
6/16/2017	<0.005						
7/12/2017	<0.005	0.0005 (J)		0.0008 (J)			
7/26/2017				0.0006 (J)			
7/28/2017	<0.005						
8/10/2017	<0.005						
9/26/2017					<0.005		
9/27/2017						<0.005	<0.005
10/5/2017		0.0006 (J)					
10/6/2017	<0.005		<0.005	0.0008 (J)			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		0.00046 (X)	0.00044 (J)	0.00064 (X)			
9/18/2019	<0.005						
3/10/2020					0.00074 (J)	0.0007 (J)	0.00092 (J)
3/13/2020		0.00093 (J)	0.0011 (J)	0.0012 (J)			
3/17/2020	0.002 (J)						
9/11/2020						<0.005	0.00067 (J)
9/15/2020					<0.005		
9/21/2020		<0.005	0.0016 (J)	0.00089 (J)			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		0.0023 (J)	0.00089 (J)	0.00078 (J)			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				0.0011 (J)			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0015 (J)	<0.005	0.0058
2/22/2023	0.0024 (J)	<0.005	<0.005	0.0014 (J)			
7/26/2023					<0.005	<0.005	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	<0.005		<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0076
10/25/2007							0.015
11/19/2007							0.013
1/23/2008							0.032
3/11/2008							0.024
5/12/2008							0.016
12/11/2008							0.013
4/15/2009							0.0073
10/9/2009							0.0037
5/4/2010							<0.005
10/12/2010							0.0023
4/28/2011							0.002
10/19/2011							0.0015
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							0.0015
10/16/2013							<0.005
4/23/2014							0.0013 (J)
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.01	0.00202 (J)	0.00668 (J)	0.00207 (J)			
3/17/2016					<0.005	0.00778 (J)	
3/28/2016							<0.005
5/17/2016	<0.01			<0.01			
5/18/2016		0.00248 (J)	0.00606 (JO)		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	0.0017 (J)						
7/27/2016		0.0021 (J)	0.0023 (J)	0.0017 (J)	0.0006 (J)		
7/28/2016						0.0014 (J)	
8/1/2016							<0.005
9/20/2016	0.0015 (J)	0.002 (J)	0.0021 (J)	0.0024 (J)			
9/21/2016					0.0011 (J)	0.0009 (J)	
9/27/2016							<0.005
11/4/2016	0.0016 (J)		0.0016 (J)	0.0013 (J)	<0.005		
11/7/2016		0.0023 (J)				<0.005	
11/11/2016							<0.005
1/20/2017	0.0018 (J)		0.0016 (J)				
1/23/2017		0.0011 (J)		<0.01			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	<0.01 (*)			<0.01 (*)			
3/29/2017		0.0012 (J)	0.001 (J)		0.0004 (J)		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	0.0018 (J)						
6/8/2017		0.0015 (J)	0.0024 (J)	0.0016 (J)	0.0005 (J)		
6/9/2017						<0.005	
6/12/2017							0.0005 (J)
9/27/2017		0.0021 (J)	0.0021 (J)				
9/29/2017	0.0033 (J)			0.002 (J)	0.0005 (J)	<0.005	
10/3/2017							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	0.0021 (J)	0.0023 (J)		<0.01	<0.005	<0.005	
3/16/2018			0.003 (J)				
3/19/2018							<0.005
9/13/2018	0.0041 (J)	<0.01	0.0017 (J)	<0.01	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.01		0.0023 (J)			
3/18/2019	0.0022 (J)				<0.005		
3/19/2019			0.018			0.0017 (J)	
3/20/2019							<0.005
9/11/2019	0.0038 (J)		0.0015 (J)	0.00165 (JD)	0.00063 (J)	0.002 (J)	
9/12/2019		0.0014 (J)					
9/16/2019							<0.005
3/9/2020		0.0012 (J)	0.0023 (J)	0.0023 (J)		0.00096 (J)	
3/10/2020	0.0035 (J)						
3/11/2020					0.0012 (J)		
3/16/2020							0.00078 (J)
9/11/2020					<0.005		
9/14/2020	0.006 (J)	0.0022 (J)		0.0024 (J)		<0.005	
9/15/2020			0.0017 (J)				
9/16/2020							<0.005
3/11/2021	0.0059	0.0013 (J)	0.0019 (J)	0.0021 (J)			
3/15/2021					0.00076 (J)	<0.005	
3/17/2021							0.00069 (J)
5/26/2021	0.0052						
8/4/2021				0.0018 (J)			
8/5/2021	0.0057	0.0014 (J)	0.0022 (J)			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	0.0051			0.002 (J)			
2/1/2022		0.0015 (J)	0.0022 (J)		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	0.006	0.0015 (J)	0.0013 (J)	0.0019 (J)	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	0.005 (J)	0.0018 (J)	0.0027 (J)	0.0019 (J)	<0.005	<0.005	
2/20/2023							<0.005
7/26/2023	0.0073			0.002 (J)			
7/27/2023		0.0014 (J)	0.0028 (J)		<0.005	<0.005	
7/28/2023							<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.005
10/25/2007	0.002					
11/1/2007						0.0061
11/19/2007						0.018 (J)
11/20/2007	0.017					
1/15/2008						0.078 (O)
1/23/2008	0.064 (O)					
3/6/2008						0.054 (O)
3/11/2008	0.013					
5/13/2008						0.0085
5/14/2008	0.027					
12/11/2008	<0.01					
12/12/2008						0.0023
4/16/2009						<0.005
4/23/2009	<0.01					
10/9/2009	0.0014					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.01					
9/29/2010						<0.005
10/11/2010	0.0027					
4/13/2011						<0.005
4/26/2011	0.0015					
10/5/2011						<0.005
10/18/2011	<0.01			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.01					
10/3/2012				<0.005		
10/8/2012	<0.01					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	0.0013					
10/8/2013	0.0017					
10/9/2013				0.0019		0.0013
4/9/2014						<0.005
4/10/2014				0.0034		
4/14/2014	0.004					
9/30/2014						<0.005
10/2/2014				0.0056		
10/3/2014	0.0017					
4/1/2015	0.0027					
4/2/2015						<0.005
4/3/2015				0.0022		
5/26/2015		0.0015			<0.005	
6/18/2015		0.0013 (D)			0.0024 (D)	
7/2/2015		0.0014			<0.005	
10/8/2015				0.0033	<0.005	
10/9/2015	0.0016	0.0015				
10/10/2015						0.00115 (JD)
3/22/2016					0.00302 (J)	
3/29/2016	0.00363 (J)	<0.01				

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00308 (J)		<0.005
5/24/2016	0.00263 (J)	<0.01		<0.005		
5/25/2016					0.00441 (J)	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.01	<0.01				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	0.0014 (J)	0.002 (J)			0.002 (J)	
9/27/2016			<0.005	<0.005		
9/28/2016						<0.005
11/14/2016		<0.01				
11/18/2016	<0.01					
11/21/2016			<0.005		0.0017 (J)	<0.005
11/22/2016				<0.005		
2/1/2017	0.0024 (J)	0.0017 (J)	<0.005			
2/3/2017					0.0018 (J)	
2/6/2017				<0.005		<0.005
4/6/2017	<0.01	<0.01	<0.005	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	0.0031 (J)	0.0015 (J)	<0.005		0.0019 (J)	<0.005
6/14/2017				0.0009 (J)		
7/14/2017			<0.005			
10/3/2017	0.0025 (J)	0.0018 (J)	<0.005		0.0022 (J)	<0.005
10/4/2017				<0.005		
3/19/2018	0.0035 (J)					
3/20/2018		0.0017 (J)	<0.005		0.0017 (J)	<0.005
3/21/2018				<0.005		
9/17/2018	0.0024 (J)	0.002 (J)				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	0.0029 (J)	0.0025 (J)	<0.005			<0.005
3/27/2019				0.0021 (J)		
5/6/2019					0.0048 (J)	
9/13/2019			<0.005			
9/16/2019	0.002 (J)	0.002 (J)		0.000465 (JD)	0.002 (J)	<0.005
3/12/2020	0.0034 (J)	0.0028 (J)	0.0014 (J)	0.0031 (J)		0.00045 (J)
3/16/2020					0.0015 (J)	
9/16/2020	0.0022 (J)	0.0023 (J)	<0.005			
9/17/2020				0.00086 (J)	0.0017 (J)	<0.005
3/17/2021	0.0027 (J)	0.0021 (J)	<0.005	0.00079 (J)		
3/18/2021					0.0015 (J)	<0.005
8/10/2021	0.0027 (J)	0.0021 (J)	<0.005	0.0014 (J)	0.0019 (J)	<0.005
2/2/2022	0.0026 (J)	0.0024 (J)	<0.005	0.0015 (J)	0.0021 (J)	<0.005
8/17/2022	0.0025 (J)	0.0024 (J)	<0.005	0.0011 (J)	0.0014 (J)	<0.005
2/17/2023	0.0031 (J)	0.0022 (J)				
2/20/2023			0.0012 (J)		<0.005	
2/21/2023				0.0053		<0.005
7/28/2023		0.0023 (J)				
7/31/2023	0.0024 (J)		<0.005	<0.005	0.0016 (J)	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			0.0033	
10/23/2007	<0.005						
10/24/2007		0.013	<0.005				
11/2/2007						0.0046	
11/18/2007	<0.005	0.0041	<0.005			0.0057	
1/30/2008	0.0045						
1/31/2008		<0.005	0.0083 (O)			0.0055	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				0.0033	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						0.0044	
12/4/2008		0.012	<0.005				
12/5/2008	<0.005					0.0035	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0041	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						0.0013 (J)	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.00081 (J)	
3/30/2015	0.0012 (J)	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0021	
10/12/2015						0.00078 (J)	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					0.00503 (J)		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					0.0114		<0.005
5/16/2016				0.00313 (JD)			
5/19/2016	<0.005		<0.005				
5/20/2016		<0.005					
5/23/2016						<0.005	
7/19/2016					0.0013 (J)		
7/21/2016							<0.005
7/27/2016				0.0057 (JD)			
7/29/2016	0.0004 (J)	<0.005	<0.005			0.0007 (J)	
9/15/2016					0.002 (J)		<0.005
9/22/2016			<0.005			0.0007 (J)	
9/23/2016	<0.005	<0.005					
11/2/2016					0.0005 (J)		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			0.0007 (J)	
1/17/2017							<0.005
1/18/2017					0.0015 (J)		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			0.0007 (J)	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					0.0025 (J)		
3/30/2017	<0.005	<0.005				0.0007 (J)	
4/3/2017			<0.005				
5/24/2017							<0.005
6/7/2017					0.0023 (J)		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		<0.005				0.0007 (J)	
7/17/2017				<0.005 (D)			
7/27/2017				<0.005			
8/9/2017				<0.005			
9/26/2017					0.0011 (J)		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						0.0006 (J)	
3/14/2018					0.00058 (J)		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				0.00059 (J)	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					0.00057 (J)	
3/13/2019							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	0.00078 (J)	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	0.00047 (J)	<0.005 (D)					
9/13/2019			<0.005			0.00046 (J)	
3/9/2020				<0.005	0.00075 (J)		<0.005
3/11/2020	0.00037 (J)	<0.005	<0.005			0.00041 (J)	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	0.00048 (J)	<0.005	0.001 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					0.00079 (J)		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0016 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	0.00093 (J)				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	0.0004 (J)	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	0.00065 (J)				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					<0.005		<0.005
7/27/2023	<0.005	<0.005	<0.005				
8/1/2023						<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0006 (J)					
7/22/2016			0.0004 (J)				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						<0.01	
3/24/2017	<0.005						
3/27/2017		0.0005 (J)	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						0.0018 (J)	<0.005
6/6/2017	<0.005	<0.005		<0.005	<0.005		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						0.0045 (JD)	
7/12/2017						0.0046 (JD)	
7/20/2017						0.0109 (D)	
7/28/2017						0.0104	
8/9/2017						0.0022 (J)	
8/24/2017						0.0076 (J)	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	0.0006 (J)					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						0.0028 (JD)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						0.014	
9/12/2018	<0.005	0.0011 (J)		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						0.017	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						0.022 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						0.02 (D)	
9/13/2019							<0.005
3/6/2020	<0.005		0.00039 (J)				
3/9/2020		<0.005		0.00039 (J)	<0.005		
3/11/2020							<0.005
3/12/2020						0.013	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						0.019	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						0.015	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						0.011	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						0.0059	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						0.015	
2/13/2023	<0.005	<0.005	0.00039 (J)		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						0.017	
7/25/2023	<0.005	0.00053 (J)		<0.005	<0.005		
7/26/2023			<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						0.02	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	0.0031	<0.005	<0.0013	0.01
11/1/2007		<0.005	<0.005	0.0034	<0.005	0.0041	<0.005
11/18/2007				0.0045	<0.005		
11/19/2007						0.0055	<0.005
11/20/2007		0.0046	<0.005				
1/16/2008						0.008	
1/30/2008		0.0079	<0.005	0.0027	<0.005		
1/31/2008							0.0037
3/5/2008				<0.005		0.98 (O)	<0.005
3/6/2008		0.0037	<0.005		0.11 (O)		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						0.01	
12/12/2008	<0.005						
12/13/2008		0.013				0.0073	0.011
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						0.0033	
4/23/2009	0.0029						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			0.0039	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						0.0044	
4/28/2010							<0.005
5/3/2010	<0.005						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						0.005	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						0.0039	<0.005
4/27/2011	0.0028						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						0.0032	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.0013	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.0013	<0.005
10/3/2012		0.0018		0.0037	<0.005		
10/8/2012			<0.005				
4/2/2013						0.0038	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0014	<0.005	<0.005	<0.005		
4/10/2013	0.0014						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	0.003	
10/15/2013		0.0018	<0.005				
10/16/2013	0.0014						
4/1/2014						0.0027	<0.005
4/2/2014				0.0036	<0.005		
4/9/2014		0.0013 (J)	<0.005				
4/22/2014	0.0013						
10/1/2014	<0.005						<0.005
10/2/2014		<0.005	<0.005	0.016	<0.005	0.0027	
3/30/2015	0.00079 (J)						
4/1/2015				<0.005	0.0026	0.0028	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	0.00065 (J)		
10/12/2015			<0.005				
10/14/2015						0.003	
10/15/2015							0.00051 (J)
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	0.00351 (J)	<0.005
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	<0.005		
5/27/2016						0.00332 (J)	
5/31/2016							<0.005
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		0.003 (J)	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	<0.005		
9/29/2016							<0.005
9/30/2016						0.0035 (J)	
11/11/2016	<0.005						
11/22/2016		0.0006 (J)	<0.005	<0.005	<0.005	0.0027 (J)	
11/28/2016							<0.005
1/30/2017	<0.005						
2/7/2017		0.0017 (J)	<0.005				
2/8/2017				<0.005	<0.005		
2/9/2017							<0.005
2/13/2017						0.003 (J)	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0031 (J)	
4/12/2017							<0.005
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			0.0031 (J)	
6/15/2017				<0.005	<0.005		
6/16/2017							<0.005
10/2/2017	<0.005						

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.005	<0.005	<0.005	<0.005	0.0032 (J)	
10/9/2017							<0.005
3/16/2018	<0.005						
3/20/2018		0.0021 (J)					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	0.0033 (J)	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	0.0031 (J)	
9/19/2018							<0.005
3/19/2019	<0.005						
3/22/2019		0.0011 (J)	<0.005				
3/23/2019				<0.005	<0.005	0.0032 (J)	<0.005
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	<0.005	0.00305 (D)	
9/18/2019							0.0005 (J)
3/11/2020	<0.005						
3/12/2020		0.0017 (J)	<0.005	<0.005	<0.005	0.0031 (J)	
3/13/2020							<0.005
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	0.0029 (J)	
9/22/2020							<0.005
3/17/2021	<0.005						
3/18/2021		0.001 (J)	<0.005				<0.005
3/19/2021				<0.005	<0.005	0.0029 (J)	
8/9/2021	<0.005						
8/10/2021		0.00075 (J)					
8/11/2021			<0.005	<0.005	<0.005	0.0026 (J)	<0.005
2/2/2022	<0.005					0.0034 (J)	
2/4/2022		0.0018 (J)	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	<0.005	0.00051 (J)					
8/18/2022			<0.005	<0.005	<0.005	0.0028 (J)	<0.005
2/16/2023	<0.005						
2/20/2023		0.0026 (J)	<0.005	<0.005	<0.005		
2/21/2023						0.0029 (J)	
2/22/2023							<0.005
7/28/2023	<0.005						
7/31/2023		0.0007 (J)	<0.005				
8/1/2023				<0.005	<0.005	0.0032 (J)	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		0.0039	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	0.0029			
1/31/2008	<0.005						
3/5/2008	<0.005	0.005					
3/6/2008			<0.005				
3/10/2008				0.069 (O)			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		0.011	<0.005	0.0027			
12/12/2008	0.0079						
4/16/2009		0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	<0.005						
10/19/2009			<0.005				
10/20/2009		0.0074		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.002 (J)	<0.01	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.01	<0.01 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005	<0.005					
7/25/2016					0.0015 (J)	0.0017 (JD)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0003 (J)					
9/19/2016					0.0014 (J)	0.0017 (JD)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					0.0013 (J)		<0.005 (D)
11/4/2016						0.0013 (JD)	
11/23/2016			<0.005	<0.005			
11/28/2016		<0.005					
1/19/2017					0.0013 (J)		
1/20/2017							<0.005 (D)
1/23/2017						0.0013 (JD)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	<0.005						
3/28/2017					0.0019 (J)		
3/29/2017						0.0013 (JD)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			0.0006 (J)				
6/5/2017					0.0022 (J)		
6/7/2017						0.0011 (J)	<0.005
6/14/2017		<0.005					
6/15/2017			0.0004 (J)	<0.005			
6/16/2017	<0.005						
7/12/2017	<0.005	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	<0.005						
8/10/2017	<0.005						
9/26/2017					0.0018 (J)		
9/27/2017						0.0013 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					0.0018 (J)	0.0012 (J)	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					0.0016 (J)		
9/13/2018						0.001 (J)	<0.005
9/19/2018		0.00058 (J)	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					0.0022 (J)	0.0015 (JD)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.0018 (J)	0.0014 (JD)	<0.005 (D)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	<0.005						
3/10/2020					0.0021 (J)	0.0012 (J)	<0.005
3/13/2020		<0.005	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						0.0012 (J)	<0.005
9/15/2020					0.0015 (J)		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					0.0016 (J)	0.0011 (J)	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0016 (J)		
8/6/2021						0.0011 (J)	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.0017 (J)		
2/1/2022						0.0013 (J)	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						0.0011 (J)	<0.005
8/15/2022					0.0014 (J)		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0014 (J)	0.0012 (J)	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			
7/26/2023					0.0015 (J)	0.0013 (J)	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	<0.005		<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							0.0073
3/11/2008							0.0025
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							0.0024
4/11/2013							0.002
10/16/2013							0.0023
4/23/2014							0.003
10/3/2014							0.0034
3/31/2015							0.00079 (J)
10/12/2015							0.00063 (J)
3/10/2016	<0.005	<0.005	<0.005	0.00235 (J)			
3/17/2016					<0.005	<0.01	
3/28/2016							<0.005
5/17/2016	<0.005			0.0025 (J)			
5/18/2016		<0.005	<0.005		<0.005	<0.01	
5/25/2016							<0.005
7/26/2016	0.0006 (J)						
7/27/2016		<0.005	<0.005	0.0014 (J)	<0.005		
7/28/2016						0.0026 (J)	
8/1/2016							0.0005 (J)
9/20/2016	<0.005	<0.005	<0.005	0.0015 (J)			
9/21/2016					<0.005	0.0044 (J)	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	0.0014 (J)	<0.005		
11/7/2016		<0.005				0.0044 (J)	
11/11/2016							0.0006 (J)
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.01			
1/24/2017					<0.005	0.0049 (J)	
1/31/2017							0.0007 (J)
3/28/2017	<0.005			0.0015 (J)			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						0.0041 (J)	
4/3/2017							0.0005 (J)
6/7/2017	<0.005						
6/8/2017		<0.005	<0.005	0.0016 (J)	<0.005		
6/9/2017						0.0054 (J)	
6/12/2017							0.0004 (J)
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			0.0015 (J)	<0.005	0.0038 (J)	
10/3/2017							0.0003 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.005	<0.005		0.0013 (J)	<0.005	0.0026 (J)	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	0.0013 (J)	<0.005		
9/14/2018						0.0017 (J)	
9/17/2018							<0.005
3/15/2019		<0.005		0.0012 (J)			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			0.00069 (J)	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	0.00135 (JD)	<0.005	0.00075 (J)	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	0.0016 (J)		0.0028 (J)	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							0.00031 (J)
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		0.0017 (J)		0.0014 (J)	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	0.0025 (J)			
3/15/2021					<0.005	0.00056 (J)	
3/17/2021							<0.005
8/4/2021				0.0017 (J)			
8/5/2021	<0.005	<0.005	<0.005			0.0025 (J)	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			0.0021 (J)			
2/1/2022		<0.005	<0.005		<0.005	0.00066 (J)	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	0.0027 (J)	<0.005	0.0015 (J)	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	0.0025 (J)	<0.005	0.00096 (J)	
2/20/2023							<0.005
7/26/2023	<0.005			0.0029 (J)			
7/27/2023		<0.005	<0.005		<0.005	0.00044 (J)	
7/28/2023							<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	0.0038					
11/1/2007						<0.005
11/19/2007						0.0034
11/20/2007	<0.005					
1/15/2008						0.0067
1/23/2008	0.0047					
3/6/2008						0.13 (O)
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						0.0042
4/16/2009						0.0047
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						0.0037
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		0.0013
4/9/2014						0.0013 (J)
4/10/2014				0.0013 (J)		
4/14/2014	0.0013 (J)					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	0.00071 (J)					
4/1/2015	<0.005					
4/2/2015						0.00064 (J)
4/3/2015				<0.005		
5/26/2015		<0.005			0.0018	
6/18/2015		<0.005 (D)			0.0018 (D)	
7/2/2015		<0.005			0.0013	
10/8/2015				0.0014	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						0.0015 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			0.0018 (J)	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			0.0011 (J)	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			0.0008 (J)		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	0.0008 (J)			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	<0.005	<0.005	0.0008 (J)	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	0.0007 (J)		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			0.0005 (J)			
10/3/2017	<0.005	<0.005	0.0007 (J)		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	0.00076 (J)		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			0.00055 (J)	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	0.00059 (J)			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00099 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	0.00031 (J)	<0.005		0.00044 (J)
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	0.00072 (J)			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	0.00045 (J)	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	0.00087 (J)	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	0.00042 (J)	<0.005	<0.005	0.00043 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.00043 (J)
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.00043 (J)
7/28/2023		<0.005				
7/31/2023	<0.005		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.0066	<0.005	0.0036			0.017	
10/23/2007	0.0076						
10/24/2007		0.0088	<0.005				
11/2/2007						0.016	
11/18/2007	0.0055 (J)	0.0075	0.013			0.048	
1/30/2008	0.0094						
1/31/2008		<0.005	0.0069			0.039	
3/10/2008	0.0056		0.0044				
3/11/2008		0.0068				0.037	
5/6/2008		<0.005					
5/13/2008	0.0027		0.0033				
5/14/2008						0.051	
12/4/2008		0.013	<0.005				
12/5/2008	<0.005					0.038	
4/15/2009	<0.005					0.033	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0076	<0.005					
10/8/2009			<0.005			0.037	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						0.037	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		0.0027					
10/6/2010						0.041	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		0.0029					
4/21/2011						0.034	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						0.048	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						0.0427	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			0.038	
4/11/2013			<0.005			0.038	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			0.036	
4/10/2014			0.005 (J)				
4/11/2014	0.005 (J)						
4/22/2014		<0.005					
4/23/2014						0.03	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.029	
3/30/2015	0.0033 (J)	<0.005	<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.026	
10/12/2015						0.05	
10/13/2015	0.0013 (J)	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			0.0297	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005			
7/19/2016					0.0005 (J)		
7/21/2016							<0.005
7/27/2016				0.0271 (o)			
7/29/2016	<0.005	0.0032 (J)	0.0006 (J)			0.0419	
9/15/2016					<0.005		<0.005
11/2/2016					<0.005		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					<0.005		
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005			
3/28/2017					<0.005 (*)		
3/30/2017	0.0004 (J)	<0.005				0.0392	
4/3/2017			0.0004 (J)				
9/26/2017					0.0005 (J)		<0.005
9/29/2017				<0.005			
10/2/2017	0.0003 (J)	<0.005	0.0003 (J)				
10/4/2017						0.0343	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0025 (J)				0.033	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	0.002 (J)			
9/17/2018	<0.005 (D)					0.033	
3/13/2019							<0.005
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				0.026	
9/9/2019					<0.005		0.0022 (J)
9/12/2019	<0.005	0.01273 (JD)					
9/13/2019			0.00055 (J)			0.026	
3/9/2020				0.011 (J)	0.0007 (J)		<0.005
3/11/2020	<0.005	0.0002 (J)	0.0011 (J)			0.027	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.0013 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	0.00096 (J)				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	0.0011 (J)				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					<0.005		<0.005
7/27/2023	0.0012 (J)	<0.005	0.0017 (J)				
8/1/2023						<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.018
4/23/2009							0.013
10/6/2009							0.012
4/27/2010							0.0095
9/30/2010							0.0087
4/14/2011							0.0061
10/5/2011							<0.025
4/11/2012							<0.025
10/2/2012							<0.025
4/9/2013							0.0053
10/15/2013							0.0076
4/10/2014							0.005
10/1/2014							0.0047 (J)
3/30/2015							0.0048 (J)
10/11/2015							0.0055
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.025
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		0.0005 (J)					
7/22/2016			<0.005				
8/1/2016							0.0025 (J)
9/15/2016	0.0007 (J)						
9/16/2016				<0.005	<0.005		
9/19/2016			0.003 (J)				
9/21/2016		<0.005					
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						0.0004 (J)	0.003 (J)
9/22/2017				0.0004 (J)	0.0006 (J)		
9/25/2017	0.0003 (J)	0.0007 (J)					
9/26/2017			<0.005				
10/2/2017							0.0031 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	0.0021 (J)	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							0.0037 (J)
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							0.0028 (J)
9/18/2018						<0.005	
3/13/2019				<0.005	0.0015 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	0.0022 (J)	<0.005				
3/19/2019							0.0023 (J)
3/21/2019						<0.005 (D)	
9/10/2019	0.00038 (JD)	0.0022 (J)	<0.005				
9/11/2019				0.00036 (J)	0.00026 (J)		
9/12/2019						0.00045 (JD)	
9/13/2019							0.0023 (J)
3/6/2020	0.00093 (J)		0.00019 (J)				
3/9/2020		0.0014 (J)		0.00035 (J)	0.00035 (J)		
3/11/2020							0.0026 (J)
3/12/2020						0.0002 (J)	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							0.0018 (J)
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							0.0019 (J)
8/4/2021	<0.005	0.0008 (J)	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							0.0017 (J)
8/10/2021						<0.005	
1/31/2022	<0.005	0.0028 (J)	<0.005	0.0014 (J)	<0.005		
2/1/2022							0.0017 (J)
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							0.0014 (J)
8/17/2022						<0.005	
2/13/2023	<0.005	0.0012 (J)	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							0.0015 (J)
2/17/2023						<0.005	
7/25/2023	<0.005	<0.005		<0.005	<0.005		
7/26/2023			<0.005				
7/28/2023						<0.005	0.0023 (J)

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.0058	0.007	<0.005	0.0032	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	0.0031	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						0.0029	0.0035
11/20/2007		0.006	0.0032				
1/16/2008						0.0067	
1/30/2008		0.0037	0.0039	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		0.0058	<0.005
3/6/2008		0.004	<0.005		<0.005		
5/7/2008				0.0037	0.0029		
5/8/2008			0.0039				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	0.064 (O)						
12/13/2008		0.0051				<0.005	0.0028
12/14/2008			0.0046	<0.005	<0.005		
4/16/2009						0.0032	
4/23/2009	0.034						
4/28/2009							<0.005
4/29/2009		0.003	<0.005	<0.005	<0.005		
10/6/2009	0.026						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						0.0034	
4/28/2010							<0.005
5/3/2010	0.014						
9/28/2010			<0.005	0.0028			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	0.014						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	0.028						
10/4/2011			<0.005	0.013	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.013						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	0.0198						
10/2/2012	0.011					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						0.0063	<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	0.018						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	0.016						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	0.005 (J)		
4/9/2014		<0.005	<0.005				
4/22/2014	0.014						
10/1/2014	0.0041 (J)						<0.005
10/2/2014		<0.005	<0.005	0.00084 (J)	0.0022 (J)	<0.005	
3/30/2015	0.012						
4/1/2015				<0.005	0.019	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		0.0027 (J)					
10/11/2015	0.0049 (J)			<0.005	0.013		
10/12/2015			<0.005				
10/14/2015						0.0017 (J)	
10/15/2015							<0.005
3/28/2016	0.00734 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	<0.005
8/1/2016	0.0049 (J)						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0023 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0003 (J)	
4/12/2017							0.0003 (J)
10/2/2017	0.0023 (J)						
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							0.0005 (J)
3/16/2018	0.0035 (J)						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	<0.005	
9/18/2018	0.0041 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							<0.005
3/19/2019	0.0029 (J)						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0028 (J)						
9/17/2019		<0.005	0.00029 (J)	<0.005	0.00031 (J)	<0.005 (D)	
9/18/2019							0.00057 (J)
3/11/2020	0.0035 (J)						
3/12/2020		<0.005	<0.005	0.00023 (J)	0.00032 (J)	<0.005	
3/13/2020							0.00033 (J)
9/15/2020	0.0031 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0024 (J)						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	0.0018 (J)	<0.005	
8/9/2021	0.0028 (J)						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	0.0033 (J)					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0098	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	0.0028 (J)						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005
7/28/2023	0.0034 (J)						
7/31/2023		<0.005	<0.005				
8/1/2023				<0.005	<0.005	0.0039 (J)	<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		0.0048 (J)		0.021			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	0.0037			
11/17/2007		0.0031	0.02				
11/18/2007				0.007 (J)			
11/19/2007	0.0043						
1/15/2008		0.0033	0.0043	0.0055			
1/31/2008	<0.005						
3/5/2008	<0.005	0.0026					
3/6/2008			<0.005				
3/10/2008				0.0042			
5/7/2008	<0.005	0.0028	0.0026				
5/13/2008				<0.005			
12/2/2008		0.0029	<0.005	0.0039			
12/12/2008	0.013						
4/16/2009		0.0035					
4/28/2009			0.003	<0.005			
4/29/2009	0.0029						
10/19/2009			<0.005				
10/20/2009		0.0056		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	0.0032						
9/29/2010		<0.005					
10/4/2010			0.0025				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	0.005 (J)						
4/21/2014		<0.005	<0.005	0.005 (J)			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		0.0012 (J)	0.00093 (J)				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
7/25/2016					0.0005 (J)	<0.005 (D)	<0.005 (D)
8/4/2016			0.0007 (J)				
8/9/2016		<0.005					
9/19/2016					<0.005	0.0032 (JD)	<0.005 (D)
11/3/2016					<0.005		<0.005 (D)
11/4/2016						0.0006 (JD)	
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						0.0008 (JD)	
3/28/2017					<0.005 (*)		
3/29/2017						0.0005 (JD)	0.0022 (JD)
4/11/2017	<0.005	<0.005		0.0003 (J)			
4/12/2017			<0.005				
9/26/2017					0.0006 (J)		
9/27/2017						0.0014 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		0.0003 (J)	<0.005			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.00043 (J)	0.012 (JD)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	0.00021 (X)						
3/10/2020					0.00067 (J)	0.00031 (J)	<0.005
3/13/2020		<0.005	0.00029 (J)	0.0002 (J)			
3/17/2020	0.00045 (J)						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0006 (J)		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.00053 (J)		

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.0054	<0.005	<0.005
2/22/2023	0.0014 (J)	<0.005	<0.005	<0.005			
7/26/2023					<0.005	<0.005	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	0.0011 (J)		<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0064
10/25/2007							0.0081
11/19/2007							0.0059
1/23/2008							0.018
3/11/2008							0.027
5/12/2008							0.016
12/11/2008							0.016
4/15/2009							0.017
10/9/2009							0.045
5/4/2010							0.031
10/12/2010							0.024
4/28/2011							0.0044
10/19/2011							0.038
5/2/2012							0.0865 (O)
10/9/2012							0.053
4/11/2013							0.04
10/16/2013							0.054
4/23/2014							0.054
10/3/2014							0.066
3/31/2015							0.025
10/12/2015							0.018
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							0.0256
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
7/26/2016	<0.005						
7/27/2016		<0.005	<0.005	<0.005	<0.005		
7/28/2016						0.0007 (J)	
8/1/2016							0.0178 (J)
9/20/2016	0.0008 (J)	0.0011 (J)	0.001 (J)	0.0018 (J)			
9/21/2016					<0.005	0.0018 (J)	
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
3/28/2017	<0.005			<0.005 (*)			
3/29/2017		0.0003 (J)	0.0003 (J)		<0.005		
3/30/2017						0.0003 (J)	
4/3/2017							0.0272
9/27/2017		<0.005	0.0011 (J)				
9/29/2017	<0.005			0.0003 (J)	<0.005	<0.005	
10/3/2017							0.0239 (J)
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							0.021 (J)
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							0.018 (J)
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.005			<0.005	
3/20/2019							0.023 (J)
9/11/2019	<0.005		0.0008 (J)	0.000535 (JD)	<0.005	0.00021 (J)	
9/12/2019		<0.005					
9/16/2019							0.016 (J)
3/9/2020		<0.005	0.00032 (J)	0.00035 (J)		0.00035 (J)	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							0.012 (J)
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							0.017 (J)
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							0.019
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			0.00061 (J)	
8/9/2021							0.026
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							0.024
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							0.021
2/14/2023	<0.005	0.0016 (J)	<0.005	<0.005	<0.005	<0.005	
2/20/2023							0.023
7/26/2023	<0.005			<0.005			
7/27/2023		<0.005	<0.005		<0.005	<0.005	
7/28/2023							0.024

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.0033					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						0.0047
11/19/2007						0.0067 (J)
11/20/2007	0.0052					
1/15/2008						0.01
1/23/2008	0.0069					
3/6/2008						0.007
3/11/2008	0.0029					
5/13/2008						<0.005
5/14/2008	0.0035					
12/11/2008	<0.005					
12/12/2008						0.0048
4/16/2009						0.0042
4/23/2009	0.0038					
10/9/2009	0.0032					
10/13/2009						0.0034
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	0.0029					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	0.005 (J)					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	0.00091 (J)					
4/1/2015	0.0011 (J)					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.002 (J)	0.00091 (J)	
10/9/2015	<0.005	<0.005				
10/10/2015						0.00345 (JD)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
4/6/2017	<0.005	<0.005	0.0004 (J)	<0.005		0.0003 (J)
4/7/2017					<0.005	
10/3/2017	<0.005	<0.005	0.0006 (J)		0.0003 (J)	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	0.0018 (J)	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00025 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	0.00021 (J)
3/12/2020	<0.005	0.00028 (J)	0.00021 (J)	<0.005		0.00031 (J)
3/16/2020					0.00024 (J)	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005
7/28/2023		<0.005				
7/31/2023	<0.005		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					0.0657 (J)		
3/15/2016							0.0267 (J)
3/22/2016	0.0614 (J)						
3/23/2016		0.0477 (J)	0.0826 (J)			<0.1	
5/11/2016					0.0401 (J)		0.0255 (J)
5/16/2016				0.0202 (JD)			
5/19/2016	0.064 (J)		0.0409 (J)				
5/20/2016		0.033 (J)					
5/23/2016						<0.1	
7/19/2016					<0.1		
7/21/2016							<0.1
7/27/2016				0.08 (JD)			
7/29/2016	0.11 (J)	0.16 (J)	0.07 (J)			<0.1	
9/15/2016					<0.1		
9/19/2016							<0.1
9/22/2016			<0.1			<0.1	
9/23/2016	0.03 (J)	0.1 (J)					
11/2/2016					0.04 (J)		
11/3/2016							0.11 (J)
11/9/2016	0.1 (J)	0.04 (J)					
11/10/2016			0.03 (J)			<0.1	
1/17/2017							0.02 (J)
1/18/2017					0.03 (J)		
1/30/2017	<0.1						
1/31/2017		<0.1	<0.1			<0.1	
2/21/2017				0.17 (JD)			
3/24/2017							<0.1
3/27/2017				0.09 (JD)			
3/28/2017					0.06 (J)		
3/30/2017	0.01 (J)	0.02 (J)				<0.1	
4/3/2017			0.02 (J)				
5/24/2017							<0.1
6/7/2017					0.06 (J)		
6/8/2017				0.05 (JD)			
6/9/2017	0.04 (J)		0.06 (J)				
6/12/2017		0.17 (J)				<0.1	
7/17/2017				0.05 (JD)			
7/27/2017				0.08 (JD)			
8/9/2017				<0.1 (*)			
9/26/2017					0.04 (J)		<0.1
9/29/2017				0.04 (JD)			
10/2/2017	0.07 (J)	<0.1	<0.1				
10/4/2017						<0.1	
3/14/2018					0.14 (J)		0.055 (J)
3/16/2018	0.029 (J)		<0.1	0.27 (J)			
3/19/2018		1.1 (O)				<0.1	
9/12/2018					<0.1		<0.1
9/14/2018		<0.1	<0.1	0.1 (J)			
9/17/2018	<0.1 (D)					<0.1	
3/13/2019							0.045 (X)
3/14/2019				0.066 (X)			
3/15/2019					<0.1		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/19/2019			0.056 (J)				
3/20/2019	<0.1	<0.1				<0.1	
9/9/2019					0.054 (X)		<0.1
9/10/2019				0.055 (X)			
9/12/2019	0.051 (J)	<0.1 (D)					
9/13/2019			0.055 (J)			<0.1	
3/9/2020				<0.1	<0.1		<0.1
3/11/2020	0.052 (J)	<0.1	0.052 (J)			<0.1	
9/10/2020					<0.1		
9/11/2020							<0.1
9/15/2020	0.05 (J)	<0.1	<0.1				
9/16/2020				<0.1			
3/10/2021							<0.1
3/12/2021					0.051 (J)		
3/16/2021	<0.1		<0.1	<0.1			
3/17/2021		<0.1					
3/29/2021						0.053 (J)	
8/4/2021					<0.1		<0.1
8/6/2021				<0.1			
8/9/2021	<0.1	<0.1	<0.1			0.055 (J)	
1/31/2022					<0.1		<0.1
2/1/2022	<0.1	<0.1	<0.1				
2/2/2022				<0.1		<0.1	
8/10/2022					0.075 (J)		
8/12/2022							0.068 (J)
8/16/2022	0.089 (J)	0.086 (J)	0.09 (J)	<0.1		0.082 (J)	
2/13/2023					0.064 (J)		0.054 (J)
2/14/2023				0.074 (J)			
2/16/2023	0.07 (J)	0.061 (J)	0.079 (J)				
2/17/2023						0.055 (J)	
7/25/2023				<0.1			
7/26/2023					0.055 (J)		<0.1
7/27/2023	0.054 (J)	0.057 (J)	0.062 (J)				
8/1/2023						<0.1	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			0.0296 (J)	0.0329 (J)	0.0141 (J)		
3/15/2016	0.0285 (J)	0.0394 (J)					
3/28/2016							0.0314 (J)
5/12/2016	0.022 (J)						
5/13/2016		0.0234 (J)		0.0459 (J)	0.0141 (J)		
5/16/2016			0.0287 (J)				
5/23/2016							0.027 (J)
7/19/2016				<0.1	<0.1		
7/20/2016	<0.1						
7/21/2016		<0.1					
7/22/2016			0.04 (J)				
8/1/2016							<0.1
9/15/2016	<0.1						
9/16/2016				<0.1	<0.1		
9/19/2016			<0.1				
9/21/2016		<0.1					
9/26/2016							<0.1
11/2/2016				0.04 (J)	0.04 (J)		
11/3/2016	0.05 (J)	0.12 (J)	0.04 (J)				
11/10/2016							0.04 (J)
1/17/2017		0.01 (J)	0.02 (J)				
1/18/2017	0.02 (J)			<0.1	0.02 (J)		
1/30/2017							<0.1
2/22/2017						0.3 (D)	
3/24/2017	<0.1						
3/27/2017		<0.1	<0.1				
3/28/2017				<0.1	<0.1		
4/7/2017						0.19 (JD)	<0.1
6/6/2017	<0.1	<0.1		<0.1	<0.1		
6/7/2017			<0.1				
6/12/2017							0.07 (J)
6/14/2017						0.19 (JD)	
7/12/2017						0.18 (JD)	
7/20/2017						0.17 (JD)	
7/28/2017						0.13 (JD)	
8/9/2017						0.245 (JD)	
8/24/2017						0.16 (JD)	
9/22/2017				<0.1	<0.1		
9/25/2017	<0.1	<0.1					
9/26/2017			<0.1				
10/2/2017							<0.1
10/3/2017						0.17 (JD)	
3/14/2018	<0.1	<0.1	0.06 (J)	<0.1			
3/15/2018					<0.1		
3/16/2018							<0.1
3/21/2018						0.24 (J)	
9/12/2018	<0.1	<0.1		<0.1	<0.1		
9/14/2018			<0.1				
9/17/2018							<0.1
9/18/2018						<0.3	
3/13/2019				<0.1	0.036 (X)		
3/14/2019	0.039 (X)	0.04 (X)	0.058 (X)				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							<0.1
3/21/2019						0.19 (JD)	
9/10/2019	<0.1	<0.1	<0.1				
9/11/2019				<0.1	<0.1		
9/12/2019						0.1 (JD)	
9/13/2019							<0.1
3/6/2020	<0.1		<0.1				
3/9/2020		<0.1		<0.1	<0.1		
3/11/2020							<0.1
3/12/2020						0.18 (J)	
9/10/2020	<0.1	<0.1	<0.1				
9/11/2020				<0.1			
9/14/2020					<0.1		
9/16/2020							<0.1
9/17/2020						0.12 (J)	
3/10/2021		<0.1					
3/11/2021	<0.1		<0.1	<0.1	<0.1		
3/16/2021						0.1	
3/17/2021							<0.1
8/4/2021	<0.1	<0.1	<0.1				
8/5/2021					<0.1		
8/6/2021				<0.1			
8/9/2021							<0.1
8/10/2021						0.087 (J)	
1/31/2022	<0.1	<0.1	<0.1	<0.1	<0.1		
2/1/2022							<0.1
2/3/2022						0.15	
8/10/2022			0.068 (J)		0.062 (J)		
8/11/2022	<0.1	<0.1		<0.1			
8/16/2022							0.06 (J)
8/17/2022						0.11	
2/13/2023	0.05 (J)	<0.1	0.056 (J)		<0.1		
2/14/2023				0.052 (J)			
2/16/2023							<0.1
2/17/2023						0.11	
7/25/2023	<0.1	<0.1		<0.1	<0.1		
7/26/2023			<0.1				
7/28/2023						0.077 (J)	<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.0326 (J)						
3/31/2016		0.0389 (J)	0.0209 (J)				
4/4/2016				0.0357 (J)	0.022 (J)	0.035 (J)	0.026 (J)
5/25/2016	0.0285 (J)						
5/26/2016		0.0375 (J)	0.037 (J)	0.042 (J)	0.023 (J)		
5/27/2016						0.032 (J)	
5/31/2016							0.0234 (J)
8/1/2016	<0.1						
8/3/2016			<0.1	0.04 (J)		<0.1	
8/4/2016					0.05 (J)		0.09 (J)
8/5/2016		0.03 (J)					
9/26/2016	<0.1						
9/28/2016		<0.1	0.05 (J)	<0.1	<0.1		
9/29/2016							<0.1
9/30/2016						<0.1	
11/11/2016	<0.1						
11/22/2016		0.04 (J)	0.04 (J)	0.06 (J)	0.04 (J)	0.03 (J)	
11/28/2016							0.08 (J)
1/30/2017	<0.1						
2/7/2017		<0.1	<0.1				
2/8/2017				0.05 (J)	<0.1		
2/9/2017							0.24 (J)
2/13/2017						<0.1	
4/3/2017	0.04 (J)						
4/10/2017		<0.1	<0.1	<0.1	<0.1		
4/11/2017						<0.1	
4/12/2017							<0.1
6/12/2017	0.06 (J)						
6/14/2017		0.02 (J)	<0.1			0.01 (J)	
6/15/2017				0.03 (J)	<0.1		
6/16/2017							0.04 (J)
10/2/2017	<0.1						
10/4/2017		<0.1	<0.1	<0.1	<0.1	<0.1	
10/9/2017							<0.1
3/16/2018	<0.1						
3/20/2018		<0.1					
3/21/2018			<0.1	<0.1			<0.1
3/22/2018					<0.1	<0.1	
9/18/2018	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
9/19/2018							<0.1
3/19/2019	<0.1						
3/22/2019		0.045 (J)	<0.1				
3/23/2019				<0.1	<0.1	<0.1	<0.1
9/12/2019	<0.1						
9/17/2019		<0.1	<0.1	<0.1	<0.1	<0.1 (D)	
9/18/2019							<0.1
3/11/2020	<0.1						
3/12/2020		<0.1	<0.1	<0.1	<0.1	<0.1	
3/13/2020							<0.1
9/15/2020	<0.1						
9/17/2020		<0.1	<0.1				
9/21/2020				<0.1	<0.1	<0.1	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.1
3/17/2021	<0.1						
3/18/2021		<0.1	<0.1				<0.1
3/19/2021				<0.1	<0.1	<0.1	
8/9/2021	<0.1						
8/10/2021		<0.1					
8/11/2021			<0.1	<0.1	<0.1	<0.1	<0.1
2/2/2022	<0.1					<0.1	
2/4/2022		<0.1	<0.1	<0.1	<0.1		
2/17/2022							<0.1
8/17/2022	0.063 (J)	0.094 (J)					
8/18/2022			0.051 (J)	<0.1	<0.1	0.052 (J)	0.061 (J)
2/16/2023	<0.1						
2/20/2023		<0.1	<0.1	<0.1	<0.1		
2/21/2023						0.054 (J)	
2/22/2023							0.06 (J)
7/28/2023	<0.1						
7/31/2023		0.07 (J)	<0.1				
8/1/2023				0.05 (J)	<0.1	<0.1	<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					0.0657 (J)	<0.1	0.0167 (J)
4/4/2016	0.044 (J)						
4/5/2016		0.019 (J)	0.027 (J)	0.053 (J)			
5/16/2016					0.0415 (J)	<0.1 (D)	0.0161 (JD)
5/31/2016			0.0233 (J)	0.0669 (J)			
6/1/2016	0.0338 (J)	0.0148 (J)					
7/25/2016					0.14 (J)	0.02 (JD)	0.14 (JD)
8/4/2016			<0.1				
8/9/2016		0.04 (J)					
9/19/2016					<0.1	<0.1 (D)	<0.1 (D)
9/29/2016			<0.1				
11/3/2016					0.06 (J)		0.08 (JD)
11/4/2016						0.04 (JD)	
11/23/2016			0.04 (J)	0.03 (J)			
11/28/2016		0.07 (J)					
1/19/2017					0.009 (J)		
1/20/2017							0.01 (JD)
1/23/2017						0.006 (JD)	
2/9/2017		0.08 (J)					
2/10/2017			<0.1	<0.1			
2/22/2017	0.22 (J)						
3/28/2017					0.04 (J)		
3/29/2017						<0.1 (D)	<0.1 (D)
4/11/2017	0.16 (J)	<0.1		<0.1			
4/12/2017			<0.1				
6/5/2017					0.06 (J)		
6/7/2017						<0.1	<0.1
6/14/2017		0.01 (J)					
6/15/2017			0.06 (J)	0.02 (J)			
6/16/2017	0.2 (J)						
7/12/2017	0.2 (J)	0.05 (J)		0.04 (J)			
7/20/2017					0.21 (J)		
7/26/2017				0.03 (J)			
7/28/2017	0.18 (J)						
8/10/2017	<0.3						
9/26/2017					0.14 (J)		
9/27/2017						<0.1	<0.1
10/5/2017		<0.1					
10/6/2017	0.14 (J)		<0.1	<0.1			
3/15/2018					0.11 (J)	<0.1	<0.1
3/22/2018		<0.1					
3/23/2018	0.24 (J)		<0.1	<0.1			
9/12/2018					0.062 (J)		
9/13/2018						<0.1	<0.1
9/19/2018		<0.1	<0.1	<0.1			
9/20/2018	<0.3						
3/14/2019					0.13 (X)	<0.1 (D)	0.039 (XJD)
3/22/2019	0.12 (J)	<0.1		<0.1			
3/25/2019			<0.1				
9/11/2019					<0.1	<0.1 (D)	<0.1 (D)
9/17/2019		<0.1	<0.1	<0.1			
9/18/2019	0.17 (X)						

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					0.13 (J)	<0.1	<0.1
3/13/2020		<0.1	<0.1	<0.1			
3/17/2020	0.11 (J)						
9/11/2020						<0.1	<0.1
9/15/2020					<0.1		
9/21/2020		<0.1	<0.1	<0.1			
9/22/2020	0.1 (J)						
3/11/2021					<0.1	<0.1	<0.1
3/18/2021		<0.1	<0.1	<0.1			
3/19/2021	0.12						
8/4/2021					<0.1		
8/6/2021						<0.1	<0.1
8/11/2021		<0.1	<0.1	<0.1			
8/12/2021	0.11						
1/31/2022					<0.1		
2/1/2022						<0.1	<0.1
2/4/2022	0.13	<0.1	<0.1				
2/7/2022				<0.1			
8/12/2022						<0.1	0.063 (J)
8/15/2022					0.056 (J)		
8/18/2022		<0.1					
8/19/2022	0.14		0.054 (J)	0.053 (J)			
2/14/2023					0.075 (J)	<0.1	<0.1
2/22/2023	0.15	<0.1	0.05 (J)	<0.1			
7/26/2023					<0.1	<0.1	<0.1
8/1/2023		<0.1		<0.1			
8/2/2023	0.14		<0.1				

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	0.0235 (J)	0.0439 (J)	0.0551 (J)	0.0195 (J)			
3/17/2016					0.0257 (J)	0.017 (J)	
3/28/2016							0.0284 (J)
5/17/2016	0.0281 (J)			0.0156 (J)			
5/18/2016		0.059 (J)	0.065 (J)		0.022 (J)	0.015 (J)	
5/25/2016							0.0207 (J)
7/26/2016	<0.1						
7/27/2016		0.1 (J)	0.09 (J)	<0.1	0.07 (J)		
7/28/2016						0.08 (J)	
8/1/2016							<0.1
9/20/2016	<0.1	0.04 (J)	<0.1	0.03 (J)			
9/21/2016					<0.1	<0.1	
9/27/2016							<0.1
11/4/2016	0.05 (J)		0.04 (J)	0.06 (J)	0.03 (J)		
11/7/2016		0.1 (J)				<0.1	
11/11/2016							0.04 (J)
1/20/2017	0.01 (J)		0.009 (J)				
1/23/2017		0.13 (J)		0.02 (J)			
1/24/2017					<0.1	<0.1	
1/31/2017							<0.1
3/28/2017	<0.1			<0.1			
3/29/2017		0.04 (J)	<0.1		<0.1		
3/30/2017						<0.1	
4/3/2017							<0.1
6/7/2017	<0.1						
6/8/2017		0.05 (J)	<0.1 (*)	0.06 (J)	<0.1 (*)		
6/9/2017						<0.1	
6/12/2017							0.02 (J)
9/27/2017		0.04 (J)	<0.1				
9/29/2017	<0.1			<0.1	<0.1	<0.1	
10/3/2017							<0.1
3/15/2018	<0.1	<0.1		<0.1	<0.1	<0.1	
3/16/2018			0.13 (J)				
3/19/2018							<0.1
9/13/2018	<0.1	0.047 (J)	<0.1	<0.1	<0.1		
9/14/2018						<0.1	
9/17/2018							<0.1
3/15/2019		<0.1		<0.1			
3/18/2019	<0.1				<0.1		
3/19/2019			<0.1			<0.1	
3/20/2019							<0.1
9/11/2019	<0.1		<0.1	<0.1	<0.1	<0.1	
9/12/2019		<0.1					
9/16/2019							<0.1
3/9/2020		<0.1	<0.1	<0.1		<0.1	
3/10/2020	<0.1						
3/11/2020					<0.1		
3/16/2020							<0.1
9/11/2020					<0.1		
9/14/2020	<0.1	<0.1		<0.1		<0.1	
9/15/2020			<0.1				
9/16/2020							<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	<0.1	<0.1	<0.1	<0.1			
3/15/2021					<0.1	<0.1	
3/17/2021							<0.1
8/4/2021				<0.1			
8/5/2021	<0.1	<0.1	<0.1			<0.1	
8/9/2021							<0.1
8/11/2021					<0.1		
1/31/2022	<0.1			<0.1			
2/1/2022		<0.1	<0.1		<0.1	<0.1	
2/2/2022							<0.1
8/15/2022	0.06 (J)	0.058 (J)	0.069 (J)	0.065 (J)	<0.1	<0.1	
8/16/2022							0.062 (J)
2/14/2023	0.091 (J)	0.064 (J)	0.081 (J)	0.058 (J)	<0.1	<0.1	
2/20/2023							<0.1
7/26/2023	<0.1			0.068 (J)			
7/27/2023		<0.1	<0.1		<0.1	<0.1	
7/28/2023							<0.1

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					0.048 (J)	
3/29/2016	0.0239 (J)	0.0364 (J)				
3/30/2016				0.0228 (J)		0.0241 (J)
5/24/2016	0.023 (J)	0.0286 (J)		0.019 (J)		
5/25/2016					0.0345 (J)	
5/26/2016						0.0307 (J)
5/31/2016			0.043 (J)			
8/1/2016	<0.1	0.08 (J)				
8/2/2016			<0.1	<0.1	0.08 (J)	
8/5/2016						<0.1
9/26/2016	<0.1	<0.1			0.07 (J)	
9/27/2016			<0.1	<0.1		
9/28/2016						<0.1
11/14/2016		0.08 (J)				
11/18/2016	0.02 (J)					
11/21/2016			0.22 (J)		0.07 (J)	0.05 (J)
11/22/2016				0.02 (J)		
2/1/2017	<0.1	<0.1	<0.1			
2/3/2017					<0.1	
2/6/2017				<0.1		<0.1
4/6/2017	<0.1	<0.1	0.008 (J)	<0.1		<0.1
4/7/2017					0.03 (J)	
6/13/2017	0.006 (J)	0.05 (J)	0.03 (J)		0.05 (J)	<0.1
6/14/2017				<0.1		
7/14/2017			0.05 (J)			
10/3/2017	<0.1	<0.1	0.06 (J)		0.1 (J)	<0.1
10/4/2017				<0.1		
3/19/2018	<0.1					
3/20/2018		<0.1	<0.1		<0.1	<0.1
3/21/2018				<0.1		
9/17/2018	<0.1	<0.1				
9/18/2018			<0.1	<0.1	<0.1	<0.1 (D)
3/21/2019	<0.1	<0.1	<0.1			<0.1
3/27/2019				<0.1		
5/6/2019					<0.1	
9/13/2019			<0.1			
9/16/2019	<0.1	<0.1		<0.1 (D)	<0.1	<0.1
3/12/2020	<0.1	<0.1	<0.1	<0.1		<0.1
3/16/2020					<0.1	
9/16/2020	<0.1	<0.1	<0.1			
9/17/2020				<0.1	<0.1	<0.1
3/17/2021	<0.1	<0.1	<0.1	<0.1		
3/18/2021					<0.1	<0.1
8/10/2021	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2/2/2022	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8/17/2022	0.064 (J)	0.07 (J)	0.073 (J)	0.062 (J)	0.062 (J)	0.067 (J)
2/17/2023	<0.1	0.052 (J)				
2/20/2023			0.057 (J)		0.061 (J)	
2/21/2023				0.057 (J)		<0.1
7/28/2023		<0.1				
7/31/2023	<0.1		<0.1	<0.1	0.056 (J)	<0.1

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.001	<0.001	<0.001			<0.001	
10/23/2007	<0.001						
10/24/2007		<0.001	<0.001				
11/2/2007						<0.001	
11/18/2007	<0.001	<0.001	<0.001			<0.001	
1/30/2008	<0.001						
1/31/2008		<0.001	<0.001			<0.001	
3/10/2008	<0.001		<0.001				
3/11/2008		<0.001				<0.001	
5/6/2008		<0.001					
5/13/2008	<0.001		<0.001				
5/14/2008						<0.001	
12/4/2008		<0.001	<0.001				
12/5/2008	<0.001					<0.001	
4/15/2009	<0.001					<0.001	
4/21/2009		<0.001	<0.001				
10/7/2009	<0.001	<0.001					
10/8/2009			<0.001			<0.001	
4/21/2010			<0.001				
4/26/2010		<0.001					
4/28/2010						<0.001	
5/3/2010	<0.001						
9/28/2010			<0.001				
10/4/2010		<0.001					
10/6/2010						<0.001	
10/12/2010	<0.001						
4/12/2011			<0.001				
4/13/2011		<0.001					
4/21/2011						<0.001	
4/27/2011	<0.001						
10/4/2011			<0.001				
10/5/2011		<0.001					
10/13/2011						<0.001	
10/17/2011	<0.001						
4/3/2012			<0.001				
4/11/2012		<0.001					
5/1/2012						<0.001	
5/2/2012	<0.001						
10/8/2012	<0.001						
10/9/2012		<0.001	<0.001			<0.001	
4/11/2013			<0.001			<0.001	
4/12/2013	<0.001						
4/15/2013		<0.001					
10/15/2013		<0.001					
10/16/2013	<0.001		<0.001			<0.001	
4/10/2014			<0.001				
4/11/2014	<0.001						
4/22/2014		<0.001					
4/23/2014						<0.001	
9/30/2014	<0.001	<0.001	<0.001				
10/4/2014						<0.001	
3/30/2015	0.0028 (J)	<0.001	<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.001	
10/12/2015						<0.001	
10/13/2015	<0.001	<0.001	<0.001				
3/14/2016					<0.001		
3/15/2016							<0.001
3/22/2016	<0.001						
3/23/2016		<0.001	<0.001			<0.001	
5/11/2016					<0.001		<0.001
5/16/2016				<0.001 (D)			
5/19/2016	<0.001		<0.001				
5/20/2016		<0.001					
5/23/2016						<0.001	
7/19/2016					<0.001		
7/21/2016							<0.001
7/27/2016				0.0011 (JD)			
7/29/2016	0.0002 (J)	0.0001 (J)	<0.001			<0.001	
9/15/2016					<0.001		<0.001
9/22/2016			<0.001			<0.001	
9/23/2016	<0.001	<0.001					
11/2/2016					<0.001		
11/3/2016							<0.001
11/9/2016	0.0004 (J)	<0.001					
11/10/2016			<0.001			<0.001	
1/17/2017							<0.001
1/18/2017					<0.001		
1/30/2017	<0.001						
1/31/2017		<0.001	<0.001			<0.001	
2/21/2017				<0.001			
3/24/2017							<0.001 (*)
3/27/2017				<0.001 (D)			
3/28/2017					<0.001 (*)		
3/30/2017	8E-05 (J)	<0.001				<0.001	
4/3/2017			<0.001				
5/24/2017							0.0001 (J)
6/7/2017					8E-05 (J)		
6/8/2017				<0.001 (D)			
6/9/2017	0.0001 (J)		<0.001				
6/12/2017		<0.001				<0.001	
7/17/2017				<0.001 (D)			
7/27/2017				0.0001 (J)			
8/9/2017				<0.001			
9/26/2017					0.0002 (J)		0.0001 (J)
9/29/2017				<0.001 (D)			
10/2/2017	0.0002 (J)	<0.001	<0.001				
10/4/2017						<0.001	
3/14/2018					<0.001		0.00046 (J)
3/16/2018	<0.001		<0.001	<0.001			
3/19/2018		<0.001				<0.001	
9/12/2018					<0.001		<0.001
9/14/2018		<0.001	<0.001	<0.001			
9/17/2018	<0.001 (D)					<0.001	
3/13/2019							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.001			
3/15/2019					<0.001		
3/19/2019			<0.001				
3/20/2019	<0.001	<0.001				<0.001	
9/9/2019					<0.001		<0.001
9/12/2019	<0.001	0.002536 (JD)					
9/13/2019			<0.001			<0.001	
3/9/2020				0.00027 (J)	5.5E-05 (J)		9.5E-05 (J)
3/11/2020	<0.001	<0.001	5.8E-05 (J)			<0.001	
9/10/2020					<0.001		
9/11/2020							<0.001
9/15/2020	9.3E-05 (J)	<0.001	5E-05 (J)				
9/16/2020				0.0005 (J)			
3/10/2021							<0.001
3/12/2021					0.0002 (J)		
3/16/2021	5.2E-05 (J)		7E-05 (J)	0.0002 (J)			
3/17/2021		<0.001					
3/29/2021						<0.001	
8/4/2021					<0.001		<0.001
8/6/2021				<0.001			
8/9/2021	<0.001	<0.001	<0.001			<0.001	
1/31/2022					<0.001		<0.001
2/1/2022	<0.001	<0.001	<0.001				
2/2/2022				<0.001		<0.001	
8/10/2022					<0.001		
8/12/2022							<0.001
8/16/2022	<0.001	<0.001	<0.001	<0.001		<0.001	
2/13/2023					<0.001		<0.001
2/14/2023				<0.001			
2/16/2023	<0.001	<0.001	<0.001				
2/17/2023						<0.001	
7/25/2023				0.00014 (J)			
7/26/2023					<0.001		<0.001
7/27/2023	<0.001	<0.001	<0.001				
8/1/2023						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.001
4/23/2009							<0.001
10/6/2009							<0.001
4/27/2010							<0.001
9/30/2010							<0.001
4/14/2011							<0.001
10/5/2011							<0.001
4/11/2012							<0.001
10/2/2012							<0.001
4/9/2013							<0.001
10/15/2013							<0.001
4/10/2014							<0.001
10/1/2014							<0.001
3/30/2015							<0.001
10/11/2015							<0.001
3/11/2016			<0.001	<0.001	<0.001		
3/15/2016	<0.001	<0.001					
3/28/2016							<0.001
5/12/2016	<0.001						
5/13/2016		<0.001		<0.001	<0.001		
5/16/2016			<0.001				
5/23/2016							<0.001
7/19/2016				<0.001	<0.001		
7/20/2016	<0.001						
7/21/2016		0.0001 (J)					
7/22/2016			0.0001 (J)				
8/1/2016							<0.001
9/15/2016	<0.001						
9/16/2016				<0.001	<0.001		
9/19/2016			0.0002 (J)				
9/21/2016		<0.001					
9/26/2016							0.0001 (J)
11/2/2016				<0.001	<0.001		
11/3/2016	<0.001	<0.001	<0.001				
11/10/2016							<0.001
1/17/2017		<0.001	<0.001				
1/18/2017	<0.001			<0.001	<0.001		
1/30/2017							<0.001
2/22/2017						0.0002 (J)	
3/24/2017	<0.001						
3/27/2017		<0.001	<0.001				
3/28/2017				<0.001	<0.001		
4/7/2017						<0.001	<0.001
6/6/2017	<0.001	<0.001		7E-05 (J)	0.0001 (J)		
6/7/2017			<0.001				
6/12/2017							<0.001
6/14/2017						<0.001 (D)	
7/12/2017						<0.001 (D)	
7/20/2017						<0.001 (D)	
7/28/2017						<0.001	
8/9/2017						<0.001	
8/24/2017						<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				8E-05 (J)	7E-05 (J)		
9/25/2017	<0.001	0.0001 (J)					
9/26/2017			<0.001				
10/2/2017							0.0003 (J)
10/3/2017						<0.001 (D)	
3/14/2018	<0.001	0.00031 (J)	<0.001	<0.001			
3/15/2018					0.0038 (J)		
3/16/2018							<0.001
3/21/2018						<0.001	
9/12/2018	<0.001	<0.001		<0.001	<0.001		
9/14/2018			<0.001				
9/17/2018							<0.001
9/18/2018						<0.001	
3/13/2019				<0.001	<0.001		
3/14/2019	<0.001	0.00031 (J)	<0.001				
3/19/2019							<0.001
3/21/2019						<0.001 (D)	
9/10/2019	<0.001 (D)	<0.001	<0.001				
9/11/2019				0.0001 (J)	9.2E-05 (J)		
9/12/2019						6.5E-05 (JD)	
9/13/2019							<0.001
3/6/2020	9.1E-05 (J)		0.00011 (J)				
3/9/2020		4.9E-05 (J)		9.1E-05 (J)	9.6E-05 (J)		
3/11/2020							<0.001
3/12/2020						<0.001	
9/10/2020	<0.001	<0.001	<0.001				
9/11/2020				4.6E-05 (J)			
9/14/2020					6.6E-05 (J)		
9/16/2020							9.3E-05 (J)
9/17/2020						<0.001	
3/10/2021		0.00012 (J)					
3/11/2021	<0.001		<0.001	6.3E-05 (J)	0.00013 (J)		
3/16/2021						<0.001	
3/17/2021							<0.001
8/4/2021	<0.001	<0.001	<0.001				
8/5/2021					<0.001		
8/6/2021				<0.001			
8/9/2021							<0.001
8/10/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022							<0.001
2/3/2022						<0.001	
8/10/2022			<0.001		<0.001		
8/11/2022	<0.001	<0.001		<0.001			
8/16/2022							<0.001
8/17/2022						<0.001	
2/13/2023	<0.001	<0.001	<0.001		<0.001		
2/14/2023				<0.001			
2/16/2023							<0.001
2/17/2023						<0.001	
7/25/2023	<0.001	<0.001		0.00018 (J)	<0.001		
7/26/2023			<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/1/2007		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
11/18/2007				<0.001	<0.001		
11/19/2007						<0.001	<0.001
11/20/2007		<0.001	<0.001				
1/16/2008						<0.001	
1/30/2008		<0.001	<0.001	<0.001	<0.001		
1/31/2008							<0.001
3/5/2008				<0.001		<0.001	<0.001
3/6/2008		<0.001	<0.001		<0.001		
5/7/2008				<0.001	<0.001		
5/8/2008			<0.001				
5/12/2008		<0.001					<0.001
5/13/2008						<0.001	
12/12/2008	<0.001						
12/13/2008		<0.001				<0.001	<0.001
12/14/2008			<0.001	<0.001	<0.001		
4/16/2009						<0.001	
4/23/2009	<0.001						
4/28/2009							<0.001
4/29/2009		<0.001	<0.001	<0.001	<0.001		
10/6/2009	<0.001						
10/20/2009		<0.001					
10/21/2009			<0.001			<0.001	<0.001
10/22/2009				<0.001	<0.001		
4/21/2010			<0.001	<0.001	<0.001		
4/26/2010		<0.001					
4/27/2010						<0.001	
4/28/2010							<0.001
5/3/2010	<0.001						
9/28/2010			<0.001	<0.001			
9/29/2010		<0.001			<0.001		
10/5/2010						<0.001	<0.001
10/11/2010	<0.001						
4/12/2011			<0.001	<0.001			
4/13/2011		<0.001			<0.001		
4/19/2011						<0.001	<0.001
4/27/2011	<0.001						
10/4/2011			<0.001	<0.001	<0.001		
10/5/2011		<0.001					
10/12/2011						<0.001	
10/18/2011							<0.001
10/19/2011	<0.001						
4/3/2012			<0.001	<0.001			
4/4/2012		<0.001			<0.001		
4/24/2012						<0.001	
4/25/2012							<0.001
5/1/2012	0.0012						
10/2/2012	<0.001					<0.001	<0.001
10/3/2012		<0.001		<0.001	<0.001		
10/8/2012			<0.001				
4/2/2013						<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.001	<0.001	<0.001	<0.001		
4/10/2013	<0.001						
10/8/2013							<0.001
10/9/2013				<0.001	<0.001	<0.001	
10/15/2013		<0.001	<0.001				
10/16/2013	<0.001						
4/1/2014						<0.001	<0.001
4/2/2014				<0.001	<0.001		
4/9/2014		<0.001	<0.001				
4/22/2014	<0.001						
10/1/2014	<0.001						<0.001
10/2/2014		<0.001	<0.001	<0.001	<0.001	<0.001	
3/30/2015	<0.001						
4/1/2015				<0.001	<0.001	<0.001	<0.001
4/2/2015		<0.001	<0.001				
10/10/2015		<0.001					
10/11/2015	<0.001			<0.001	<0.001		
10/12/2015			<0.001				
10/14/2015						<0.001	
10/15/2015							<0.001
3/28/2016	<0.001						
3/31/2016		<0.001	<0.001				
4/4/2016				<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001						
5/26/2016		<0.001	<0.001	<0.001	<0.001		
5/27/2016						<0.001	
5/31/2016							<0.001
8/1/2016	<0.001						
8/3/2016			<0.001	<0.001		<0.001	
8/4/2016					<0.001		0.0001 (J)
8/5/2016		<0.001					
9/26/2016	<0.001						
9/28/2016		<0.001	<0.001	<0.001	<0.001		
9/29/2016							0.0001 (J)
9/30/2016						<0.001	
11/11/2016	<0.001						
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001	
11/28/2016							<0.001
1/30/2017	<0.001						
2/7/2017		<0.001	<0.001				
2/8/2017				<0.001	<0.001		
2/9/2017							0.0001 (J)
2/13/2017						<0.001	
4/3/2017	<0.001						
4/10/2017		<0.001	<0.001	<0.001	<0.001		
4/11/2017						<0.001	
4/12/2017							<0.001
6/12/2017	<0.001						
6/14/2017		<0.001	<0.001			<0.001	
6/15/2017				9E-05 (J)	<0.001		
6/16/2017							0.0002 (J)
10/2/2017	<0.001						

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001	
10/9/2017							0.0001 (J)
3/16/2018	<0.001						
3/20/2018		<0.001					
3/21/2018			<0.001	<0.001			<0.001
3/22/2018					<0.001	<0.001	
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/19/2018							<0.001
3/19/2019	<0.001						
3/22/2019		<0.001	<0.001				
3/23/2019				<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001						
9/17/2019		4.7E-05 (J)	0.00017 (J)	4.6E-05 (J)	8.2E-05 (J)	<0.001 (D)	
9/18/2019							0.0002 (J)
3/11/2020	<0.001						
3/12/2020		<0.001	<0.001	5.2E-05 (J)	4.6E-05 (J)	<0.001	
3/13/2020							0.00013 (J)
9/15/2020	<0.001						
9/17/2020		<0.001	<0.001				
9/21/2020				<0.001	<0.001	<0.001	
9/22/2020							0.00015 (J)
3/17/2021	<0.001						
3/18/2021		<0.001	<0.001				0.00024 (J)
3/19/2021				<0.001	0.00018 (J)	<0.001	
8/9/2021	<0.001						
8/10/2021		<0.001					
8/11/2021			<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001					<0.001	
2/4/2022		<0.001	<0.001	<0.001	<0.001		
2/17/2022							<0.001
8/17/2022	<0.001	<0.001					
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2023	<0.001						
2/20/2023		<0.001	<0.001	<0.001	<0.001		
2/21/2023						<0.001	
2/22/2023							<0.001
7/28/2023	<0.001						
7/31/2023		<0.001	<0.001				
8/1/2023				<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.001						
8/23/2007			<0.001				
8/24/2007		<0.001		<0.001			
11/1/2007	<0.001						
11/2/2007		<0.001	<0.001	<0.001			
11/17/2007		<0.001	<0.001				
11/18/2007				<0.001			
11/19/2007	<0.001						
1/15/2008		<0.001	<0.001	<0.001			
1/31/2008	<0.001						
3/5/2008	<0.001	<0.001					
3/6/2008			<0.001				
3/10/2008				<0.001			
5/7/2008	<0.001	<0.001	<0.001				
5/13/2008				<0.001			
12/2/2008		<0.001	<0.001	<0.001			
12/12/2008	<0.001						
4/16/2009		<0.001					
4/28/2009			<0.001	<0.001			
4/29/2009	<0.001						
10/19/2009			<0.001				
10/20/2009		<0.001		<0.001			
10/21/2009	<0.001						
4/20/2010		<0.001					
4/27/2010			<0.001	<0.001			
4/28/2010	<0.001						
9/29/2010		<0.001					
10/4/2010			<0.001				
10/5/2010				<0.001			
10/6/2010	<0.001						
4/12/2011		<0.001					
4/18/2011			<0.001				
4/19/2011				<0.001			
4/20/2011	<0.001						
10/4/2011		<0.001					
10/12/2011	<0.001		<0.001	<0.001			
4/4/2012		<0.001					
4/23/2012			<0.001				
4/25/2012	<0.001			<0.001			
10/2/2012	<0.001						
10/10/2012		<0.001	<0.001	<0.001			
4/2/2013	<0.001						
4/15/2013		<0.001	<0.001				
4/16/2013				<0.001			
10/8/2013	<0.001						
10/22/2013		<0.001	<0.001	<0.001			
4/1/2014	<0.001						
4/21/2014		<0.001	<0.001	<0.001			
9/30/2014		<0.001	<0.001	<0.001			
10/1/2014	<0.001						
3/31/2015	<0.001						
4/3/2015		<0.001	<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.001			
10/7/2015		<0.001	<0.001				
10/14/2015	<0.001						
3/16/2016					<0.001	<0.001	<0.001
4/4/2016	<0.001						
4/5/2016		<0.001	<0.001	<0.001			
5/16/2016					<0.001	<0.001 (D)	<0.001 (D)
5/31/2016			<0.001	<0.001			
6/1/2016	<0.001	<0.001					
7/25/2016					0.0003 (J)	0.0002 (JD)	0.0001 (JD)
8/4/2016			<0.001				
8/9/2016		<0.001					
9/19/2016					0.0002 (J)	0.0004 (JD)	<0.001 (D)
9/29/2016			0.0008 (J)				
11/3/2016					0.0002 (J)		<0.001 (D)
11/4/2016						0.0002 (JD)	
11/23/2016			0.0011 (J)	<0.001			
11/28/2016		<0.001					
1/19/2017					0.0003 (J)		
1/20/2017							<0.001 (D)
1/23/2017						0.0001 (JD)	
2/9/2017		0.0002 (J)					
2/10/2017			<0.001	<0.001			
2/22/2017	0.0003 (J)						
3/28/2017					<0.001 (*)		
3/29/2017						0.0001 (JD)	0.0001 (JD)
4/11/2017	<0.001	<0.001		<0.001			
4/12/2017			<0.001				
6/5/2017					0.0007 (J)		
6/7/2017						0.0001 (J)	8E-05 (J)
6/14/2017		<0.001					
6/15/2017			0.0005 (J)	<0.001			
6/16/2017	<0.001						
7/12/2017	<0.001	<0.001		<0.001			
7/26/2017				<0.001			
7/28/2017	<0.001						
8/10/2017	<0.001						
9/26/2017					0.0004 (J)		
9/27/2017						0.0003 (J)	9E-05 (J)
10/5/2017		<0.001					
10/6/2017	<0.001		0.0004 (J)	<0.001			
3/15/2018					0.00064 (J)	<0.001	<0.001
3/22/2018		<0.001					
3/23/2018	<0.001		0.00028 (J)	<0.001			
9/12/2018					0.00037 (J)		
9/13/2018						<0.001	<0.001
9/19/2018		<0.001	0.00029 (J)	<0.001			
9/20/2018	<0.001						
3/14/2019					0.00077 (J)	<0.001 (D)	<0.001 (D)
3/22/2019	<0.001	<0.001		<0.001			
3/25/2019			0.00047 (J)				
9/11/2019					0.00047 (J)	0.00016 (JD)	<0.001 (D)

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.001	0.00016 (J)	<0.001			
9/18/2019	4.8E-05 (X)						
3/10/2020					0.00066 (J)	0.00014 (J)	<0.001
3/13/2020		<0.001	0.00037 (J)	4.8E-05 (J)			
3/17/2020	<0.001						
9/11/2020						0.00012 (J)	<0.001
9/15/2020					0.00045 (J)		
9/21/2020		0.00023 (J)	0.00093 (J)	7.5E-05 (J)			
9/22/2020	7.1E-05 (J)						
3/11/2021					0.00053 (J)	0.00012 (J)	4.5E-05 (J)
3/18/2021		<0.001	0.00036 (J)	4E-05 (J)			
3/19/2021	7.4E-05 (J)						
8/4/2021					<0.001		
8/6/2021						<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001			
8/12/2021	<0.001						
1/31/2022					<0.001		
2/1/2022						<0.001	<0.001
2/4/2022	<0.001	<0.001	<0.001				
2/7/2022				<0.001			
8/12/2022						<0.001	<0.001
8/15/2022					<0.001		
8/18/2022		<0.001					
8/19/2022	<0.001		<0.001	<0.001			
2/14/2023					<0.001	<0.001	<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001			
7/26/2023					0.0002 (J)	<0.001	<0.001
8/1/2023		<0.001		<0.001			
8/2/2023	<0.001		0.00024 (J)				

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.001
10/25/2007							<0.001
11/19/2007							<0.001
1/23/2008							<0.001
3/11/2008							<0.001
5/12/2008							<0.001
12/11/2008							<0.001
4/15/2009							<0.001
10/9/2009							<0.001
5/4/2010							<0.001
10/12/2010							<0.001
4/28/2011							<0.001
10/19/2011							<0.001
5/2/2012							<0.001
10/9/2012							<0.001
4/11/2013							<0.001
10/16/2013							<0.001
4/23/2014							<0.001
10/3/2014							<0.001
3/31/2015							<0.001
10/12/2015							<0.001
3/10/2016	<0.001	<0.001	<0.001	<0.001			
3/17/2016					<0.001	<0.001	
3/28/2016							<0.001
5/17/2016	<0.001			<0.001			
5/18/2016		<0.001	<0.001		<0.001	<0.001	
5/25/2016							<0.001
7/26/2016	<0.001						
7/27/2016		9E-05 (J)	9E-05 (J)	<0.001	<0.001		
7/28/2016						0.0002 (J)	
8/1/2016							<0.001
9/20/2016	<0.001	0.0003 (J)	0.0001 (J)	0.0002 (J)			
9/21/2016					<0.001	<0.001 (*)	
9/27/2016							<0.001
11/4/2016	<0.001		<0.001	<0.001	<0.001		
11/7/2016		<0.001				<0.001	
11/11/2016							<0.001
1/20/2017	<0.001		<0.001				
1/23/2017		<0.001		<0.001			
1/24/2017					<0.001	0.0002 (J)	
1/31/2017							<0.001
3/28/2017	<0.001			<0.001 (*)			
3/29/2017		<0.001	<0.001		<0.001		
3/30/2017						<0.001	
4/3/2017							<0.001
6/7/2017	<0.001						
6/8/2017		0.0001 (J)	<0.001	<0.001	<0.001		
6/9/2017						<0.001	
6/12/2017							<0.001
9/27/2017		<0.001	<0.001				
9/29/2017	<0.001			<0.001	<0.001	<0.001	
10/3/2017							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.001	<0.001		<0.001	<0.001	<0.001	
3/16/2018			<0.001				
3/19/2018							<0.001
9/13/2018	<0.001	<0.001	<0.001	<0.001	<0.001		
9/14/2018						<0.001	
9/17/2018							<0.001
3/15/2019		<0.001		<0.001			
3/18/2019	<0.001				<0.001		
3/19/2019			<0.001			<0.001	
3/20/2019							<0.001
9/11/2019	<0.001		8.5E-05 (J)	0.002529 (JD)	<0.001	8.2E-05 (J)	
9/12/2019		<0.001					
9/16/2019							<0.001
3/9/2020		5.8E-05 (J)	8E-05 (J)	<0.001		0.00017 (J)	
3/10/2020	<0.001						
3/11/2020					<0.001		
3/16/2020							5.1E-05 (J)
9/11/2020					<0.001		
9/14/2020	<0.001	<0.001		<0.001		7.8E-05 (J)	
9/15/2020			<0.001				
9/16/2020							<0.001
3/11/2021	<0.001	4.8E-05 (J)	<0.001	<0.001			
3/15/2021					<0.001	4.6E-05 (J)	
3/17/2021							<0.001
8/4/2021				<0.001			
8/5/2021	<0.001	<0.001	<0.001			<0.001	
8/9/2021							<0.001
8/11/2021					<0.001		
1/31/2022	<0.001			<0.001			
2/1/2022		<0.001	<0.001		<0.001	<0.001	
2/2/2022							<0.001
8/15/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2022							<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/20/2023							<0.001
7/26/2023	<0.001			<0.001			
7/27/2023		<0.001	<0.001		<0.001	<0.001	
7/28/2023							<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.001					
8/23/2007						<0.001
10/25/2007	<0.001					
11/1/2007						<0.001
11/19/2007						<0.001
11/20/2007	<0.001					
1/15/2008						<0.001
1/23/2008	<0.001					
3/6/2008						<0.001
3/11/2008	<0.001					
5/13/2008						<0.001
5/14/2008	<0.001					
12/11/2008	<0.001					
12/12/2008						<0.001
4/16/2009						<0.001
4/23/2009	<0.001					
10/9/2009	<0.001					
10/13/2009						<0.001
4/21/2010						<0.001
5/4/2010	<0.001					
9/29/2010						<0.001
10/11/2010	<0.001					
4/13/2011						<0.001
4/26/2011	<0.001					
10/5/2011						<0.001
10/18/2011	<0.001			<0.001		
4/4/2012						0.0012
4/30/2012				<0.001		
5/2/2012	<0.001					
10/3/2012				<0.001		
10/8/2012	<0.001					<0.001
4/8/2013				<0.001		<0.001
4/10/2013	<0.001					
10/8/2013	<0.001					
10/9/2013				<0.001		<0.001
4/9/2014						<0.001
4/10/2014				<0.001		
4/14/2014	<0.001					
9/30/2014						<0.001
10/2/2014				<0.001		
10/3/2014	<0.001					
4/1/2015	<0.001					
4/2/2015						<0.001
4/3/2015				<0.001		
5/26/2015		<0.001			<0.001	
6/18/2015		<0.001 (D)			<0.001 (D)	
7/2/2015		<0.001			<0.001	
10/8/2015				<0.001	<0.001	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001 (D)
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			0.0001 (J)	<0.001	0.0002 (J)	
8/5/2016						0.0001 (J)
9/26/2016	0.0003 (J)	<0.001			0.0001 (J)	
9/27/2016			0.0001 (J)	<0.001		
9/28/2016						0.0002 (J)
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			0.0001 (J)		0.0001 (J)	0.0002 (J)
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	0.0001 (J)			
2/3/2017					0.0002 (J)	
2/6/2017				<0.001		0.0001 (J)
4/6/2017	7E-05 (J)	7E-05 (J)	0.0002 (J)	0.0001 (J)		0.0001 (J)
4/7/2017					0.0002 (J)	
6/13/2017	<0.001	8E-05 (J)	<0.001		0.0002 (J)	8E-05 (J)
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	9E-05 (J)		0.0002 (J)	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		0.00042 (J)	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					0.00032 (J)	
9/13/2019			<0.001			
9/16/2019	0.0001 (J)	<0.001		<0.001 (D)	5.4E-05 (J)	6.1E-05 (J)
3/12/2020	0.0001 (J)	7E-05 (J)	8.2E-05 (J)	5.6E-05 (J)		0.00016 (J)
3/16/2020					0.00016 (J)	
9/16/2020	0.00012 (J)	<0.001	0.00011 (J)			
9/17/2020				8E-05 (J)	6.5E-05 (J)	7.9E-05 (J)
3/17/2021	7.4E-05 (J)	<0.001	4.9E-05 (J)	<0.001		
3/18/2021					0.00011 (J)	0.0001 (J)
8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/17/2023	<0.001	<0.001				
2/20/2023			<0.001		<0.001	
2/21/2023				<0.001		<0.001
7/28/2023		<0.001				
7/31/2023	<0.001		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005	
10/23/2007	<0.0005						
10/24/2007		<0.0005	<0.0005				
11/2/2007						<0.0005	
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005	
1/30/2008	<0.0005						
1/31/2008		<0.0005	<0.0005			<0.0005	
3/10/2008	<0.0005		<0.0005				
3/11/2008		<0.0005				<0.0005	
5/6/2008		0.000175					
5/13/2008	<0.0005		<0.0005				
5/14/2008						<0.0005	
12/4/2008		<0.0005	<0.0005				
12/5/2008	<0.0005					<0.0005	
4/15/2009	<0.0005					<0.0005	
4/21/2009		<0.0005	<0.0005				
10/7/2009	<0.0005	<0.0005					
10/8/2009			<0.0005			<0.0005	
4/21/2010			<0.0005				
4/26/2010		<0.0005					
4/28/2010						<0.0005	
5/3/2010	<0.0005						
9/28/2010			<0.0005				
10/4/2010		<0.0005					
10/6/2010						<0.0005	
10/12/2010	<0.0005						
4/12/2011			<0.0005				
4/13/2011		<0.0005					
4/21/2011						<0.0005	
4/27/2011	<0.0005						
10/4/2011			<0.0005				
10/5/2011		<0.0005					
10/13/2011						<0.0005	
10/17/2011	<0.0005						
4/3/2012			<0.0005				
4/11/2012		<0.0005					
5/1/2012						<0.0005	
5/2/2012	<0.0005						
10/8/2012	<0.0005						
10/9/2012		<0.0005	<0.0005			<0.0005	
4/11/2013			<0.0005			<0.0005	
4/12/2013	<0.0005						
4/15/2013		<0.0005					
10/15/2013		<0.0005					
10/16/2013	<0.0005		<0.0005			<0.0005	
4/10/2014			<0.0005				
4/11/2014	<0.0005						
4/22/2014		<0.0005					
4/23/2014						<0.0005	
9/30/2014	<0.0005	<0.0005	<0.0005				
10/4/2014						<0.0005	
3/30/2015	<0.0005	<0.0005	<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.0005	
10/12/2015						<0.0005	
10/13/2015	<0.0005	<0.0005	<0.0005				
3/14/2016					<0.0005		
3/15/2016							<0.0005
3/22/2016	<0.0005						
3/23/2016		<0.0005	<0.0005			<0.0005	
5/11/2016					<0.0005		<0.0005
5/16/2016				<0.0005 (D)			
5/19/2016	<0.0005		<0.0005				
5/20/2016		<0.0005					
5/23/2016						<0.0005	
7/19/2016					<0.0005		
7/21/2016							<0.0005
7/27/2016				<0.0005 (D)			
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005	
9/15/2016					<0.0005		<0.0005
9/22/2016			<0.0005			<0.0005	
9/23/2016	<0.0005	<0.0005					
11/2/2016					<0.0005		
11/3/2016							<0.0005
11/9/2016	<0.0005	<0.0005					
11/10/2016			<0.0005			<0.0005	
1/17/2017							<0.0005
1/18/2017					<0.0005		
1/30/2017	<0.0005						
1/31/2017		<0.0005	<0.0005			<0.0005	
2/21/2017				<0.0005			
3/24/2017							<0.0005
3/27/2017				<0.0005 (D)			
3/28/2017					<0.0005		
3/30/2017	<0.0005	<0.0005				<0.0005	
4/3/2017			<0.0005				
5/24/2017							<0.0005
6/7/2017					<0.0005		
6/8/2017				<0.0005 (D)			
6/9/2017	<0.0005		<0.0005				
6/12/2017		<0.0005				<0.0005	
7/17/2017				<0.0005 (D)			
7/27/2017				<0.0005			
8/9/2017				<0.0005			
9/26/2017					<0.0005		<0.0005
9/29/2017				<0.0005 (D)			
10/2/2017	<0.0005	<0.0005	<0.0005				
10/4/2017						<0.0005	
3/14/2018					<0.0005		<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005			
3/19/2018		<0.0005				<0.0005	
9/12/2018					<0.0005		3.8E-05 (J)
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)			
9/17/2018	<0.0005 (D)					<0.0005	
3/13/2019							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.0005			
3/15/2019					<0.0005		
3/19/2019			<0.0005				
3/20/2019	<0.0005	<0.0005				<0.0005	
9/9/2019					<0.0005		<0.0005
9/12/2019	<0.0005	<0.0005 (D)					
9/13/2019			<0.0005			<0.0005	
3/9/2020				<0.0005	<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005	
9/10/2020					<0.0005		
9/11/2020							<0.0005
9/15/2020	<0.0005	<0.0005	<0.0005				
9/16/2020				<0.0005			
3/10/2021							<0.0005
3/12/2021					<0.0005		
3/16/2021	<0.0005		<0.0005	<0.0005			
3/17/2021		<0.0005					
3/29/2021						<0.0005	
8/4/2021					0.00012 (J)		9.4E-05 (J)
8/6/2021				<0.0005			
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005	
1/31/2022					<0.0005		<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005				
2/2/2022				<0.0005		<0.0005	
8/10/2022					<0.0005		
8/12/2022							<0.0005
8/16/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
2/13/2023					<0.0005		<0.0005
2/14/2023				<0.0005			
2/16/2023	0.00017 (J)	0.00013 (J)	<0.0005				
2/17/2023						0.00013 (J)	
7/25/2023				<0.0005			
7/26/2023					<0.0005		<0.0005
7/27/2023	<0.0005	<0.0005	<0.0005				
8/1/2023						<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.0005
4/23/2009							<0.0005
10/6/2009							<0.0005
4/27/2010							<0.0005
9/30/2010							<0.0005
4/14/2011							<0.0005
10/5/2011							<0.0005
4/11/2012							<0.0005
10/2/2012							<0.0005
4/9/2013							<0.0005
10/15/2013							<0.0005
4/10/2014							<0.0005
10/1/2014							<0.0005
3/30/2015							2.02E-05 (J)
10/11/2015							<0.0005
3/11/2016			<0.0005	<0.0005	<0.0005		
3/15/2016	<0.0005	<0.0005					
3/28/2016							<0.0005
5/12/2016	<0.0005						
5/13/2016		<0.0005		<0.0005	<0.0005		
5/16/2016			<0.0005				
5/23/2016							<0.0005
7/19/2016				<0.0005	<0.0005		
7/20/2016	<0.0005						
7/21/2016		<0.0005					
7/22/2016			<0.0005				
8/1/2016							<0.0005
9/15/2016	<0.0005						
9/16/2016				<0.0005	<0.0005		
9/19/2016			<0.0005				
9/21/2016		<0.0005					
9/26/2016							<0.0005
11/2/2016				<0.0005	<0.0005		
11/3/2016	<0.0005	<0.0005	<0.0005				
11/10/2016							<0.0005
1/17/2017		<0.0005	<0.0005				
1/18/2017	<0.0005			<0.0005	<0.0005		
1/30/2017							<0.0005
2/22/2017						<0.0005	
3/24/2017	<0.0005						
3/27/2017		<0.0005	<0.0005				
3/28/2017				<0.0005	<0.0005		
4/7/2017						<0.0005	<0.0005
6/6/2017	<0.0005	<0.0005		<0.0005	<0.0005		
6/7/2017			<0.0005				
6/12/2017							<0.0005
6/14/2017						0.000286 (JD)	
7/12/2017						<0.0005 (D)	
7/20/2017						<0.0005 (D)	
7/28/2017						<0.0005	
8/9/2017						<0.0005	
8/24/2017						<0.0005	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.0005	<0.0005		
9/25/2017	<0.0005	<0.0005					
9/26/2017			<0.0005				
10/2/2017							<0.0005
10/3/2017						<0.0005 (D)	
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005			
3/15/2018					<0.0005		
3/16/2018							<0.0005
3/21/2018						<0.0005	
9/12/2018	<0.0005	<0.0005		<0.0005	3.9E-05 (J)		
9/14/2018			3.8E-05 (J)				
9/17/2018							<0.0005
9/18/2018						<0.0005	
3/13/2019				<0.0005	<0.0005		
3/14/2019	<0.0005	<0.0005	<0.0005				
3/19/2019							<0.0005
3/21/2019						<0.0005 (D)	
9/10/2019	<0.0005 (D)	<0.0005	<0.0005				
9/11/2019				<0.0005	<0.0005		
9/12/2019						<0.0005 (D)	
9/13/2019							<0.0005
3/6/2020	<0.0005		<0.0005				
3/9/2020		<0.0005		<0.0005	<0.0005		
3/11/2020							<0.0005
3/12/2020						<0.0005	
9/10/2020	<0.0005	<0.0005	<0.0005				
9/11/2020				<0.0005			
9/14/2020					<0.0005		
9/16/2020							<0.0005
9/17/2020						<0.0005	
3/10/2021		<0.0005					
3/11/2021	<0.0005		<0.0005	<0.0005	<0.0005		
3/16/2021						<0.0005	
3/17/2021							<0.0005
8/4/2021	9E-05 (J)	9.4E-05 (J)	8E-05 (J)				
8/5/2021					9.6E-05 (J)		
8/6/2021				<0.0005			
8/9/2021							<0.0005
8/10/2021						<0.0005	
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							<0.0005
2/3/2022						<0.0005	
8/10/2022			<0.0005		<0.0005		
8/11/2022	<0.0005	<0.0005		<0.0005			
8/16/2022							<0.0005
8/17/2022						<0.0005	
2/13/2023	0.00017 (J)	0.00013 (J)	0.00014 (J)		<0.0005		
2/14/2023				<0.0005			
2/16/2023							<0.0005
2/17/2023						<0.0005	
7/25/2023	<0.0005	<0.0005		<0.0005	<0.0005		
7/26/2023			<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/1/2007		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
11/18/2007				<0.0005	<0.0005		
11/19/2007						<0.0005	<0.0005
11/20/2007		<0.0005	<0.0005				
1/16/2008						<0.0005	
1/30/2008		<0.0005	<0.0005	<0.0005	<0.0005		
1/31/2008							<0.0005
3/5/2008				<0.0005		<0.0005	<0.0005
3/6/2008		<0.0005	<0.0005		<0.0005		
5/7/2008				0.000181	<0.0005		
5/8/2008			<0.0005				
5/12/2008		<0.0005					<0.0005
5/13/2008						<0.0005	
12/12/2008	<0.0005						
12/13/2008		<0.0005				<0.0005	<0.0005
12/14/2008			<0.0005	<0.0005	<0.0005		
4/16/2009						<0.0005	
4/23/2009	<0.0005						
4/28/2009							<0.0005
4/29/2009		<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009	<0.0005						
10/20/2009		<0.0005					
10/21/2009			<0.0005			<0.0005	<0.0005
10/22/2009				<0.0005	<0.0005		
4/21/2010			<0.0005	<0.0005	<0.0005		
4/26/2010		<0.0005					
4/27/2010						<0.0005	
4/28/2010							<0.0005
5/3/2010	<0.0005						
9/28/2010			<0.0005	<0.0005			
9/29/2010		<0.0005			<0.0005		
10/5/2010						<0.0005	<0.0005
10/11/2010	<0.0005						
4/12/2011			<0.0005	<0.0005			
4/13/2011		<0.0005			<0.0005		
4/19/2011						<0.0005	<0.0005
4/27/2011	<0.0005						
10/4/2011			<0.0005	<0.0005	<0.0005		
10/5/2011		<0.0005					
10/12/2011						<0.0005	
10/18/2011							<0.0005
10/19/2011	<0.0005						
4/3/2012			<0.0005	<0.0005			
4/4/2012		<0.0005			<0.0005		
4/24/2012						<0.0005	
4/25/2012							<0.0005
5/1/2012	<0.0005						
10/2/2012	<0.0005					<0.0005	<0.0005
10/3/2012		<0.0005		<0.0005	<0.0005		
10/8/2012			<0.0005				
4/2/2013						<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.0005	<0.0005	<0.0005	<0.0005		
4/10/2013	<0.0005						
10/8/2013							<0.0005
10/9/2013				<0.0005	<0.0005	<0.0005	
10/15/2013		<0.0005	<0.0005				
10/16/2013	<0.0005						
4/1/2014						0.0002 (J)	0.0002 (J)
4/2/2014				0.0002 (J)	<0.0005		
4/9/2014		<0.0005	<0.0005				
4/22/2014	<0.0005						
10/1/2014	<0.0005						<0.0005
10/2/2014		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/30/2015	<0.0005						
4/1/2015				<0.0005	<0.0005	<0.0005	<0.0005
4/2/2015		<0.0005	<0.0005				
10/10/2015		<0.0005					
10/11/2015	<0.0005			<0.0005	<0.0005		
10/12/2015			<0.0005				
10/14/2015						<0.0005	
10/15/2015							<0.0005
3/28/2016	<0.0005						
3/31/2016		<0.0005	<0.0005				
4/4/2016				<0.0005	<0.0005	<0.0005	<0.0005
5/25/2016	<0.0005						
5/26/2016		<0.0005	<0.0005	<0.0005	<0.0005		
5/27/2016						<0.0005	
5/31/2016							<0.0005
8/1/2016	<0.0005						
8/3/2016			<0.0005	<0.0005		<0.0005	
8/4/2016					<0.0005		<0.0005
8/5/2016		<0.0005					
9/26/2016	<0.0005						
9/28/2016		<0.0005	<0.0005	<0.0005	<0.0005		
9/29/2016							<0.0005
9/30/2016						<0.0005	
11/11/2016	<0.0005						
11/22/2016		<0.0005	<0.0005	<0.0005	<0.0005	8E-05 (J)	
11/28/2016							<0.0005
1/30/2017	<0.0005						
2/7/2017		<0.0005	<0.0005				
2/8/2017				<0.0005	<0.0005		
2/9/2017							<0.0005
2/13/2017						<0.0005	
4/3/2017	<0.0005						
4/10/2017		<0.0005	<0.0005	<0.0005	<0.0005		
4/11/2017						<0.0005	
4/12/2017							<0.0005
6/12/2017	<0.0005						
6/14/2017		<0.0005	<0.0005			<0.0005	
6/15/2017				<0.0005	<0.0005		
6/16/2017							<0.0005
10/2/2017	<0.0005						

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/9/2017							<0.0005
3/16/2018	<0.0005						
3/20/2018		<0.0005					
3/21/2018			<0.0005	<0.0005			<0.0005
3/22/2018					<0.0005	<0.0005	
9/18/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
9/19/2018							<0.0005
3/19/2019	<0.0005						
3/22/2019		<0.0005	<0.0005				
3/23/2019				<0.0005	<0.0005	<0.0005	<0.0005
9/12/2019	<0.0005						
9/17/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005 (D)	
9/18/2019							<0.0005
3/11/2020	<0.0005						
3/12/2020		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/13/2020							<0.0005
9/15/2020	<0.0005						
9/17/2020		<0.0005	<0.0005				
9/21/2020				<0.0005	<0.0005	<0.0005	
9/22/2020							<0.0005
3/17/2021	<0.0005						
3/18/2021		<0.0005	<0.0005				<0.0005
3/19/2021				<0.0005	<0.0005	<0.0005	
8/9/2021	<0.0005						
8/10/2021		<0.0005					
8/11/2021			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005					<0.0005	
2/4/2022		<0.0005	<0.0005	<0.0005	<0.0005		
2/17/2022							<0.0005
8/17/2022	<0.0005	<0.0005					
8/18/2022			<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/16/2023	<0.0005						
2/20/2023		0.00028 (J)	0.0003 (J)	0.00019 (J)	0.00016 (J)		
2/21/2023						<0.0005	
2/22/2023							<0.0005
7/28/2023	<0.0005						
7/31/2023		<0.0005	<0.0005				
8/1/2023				<0.0005	<0.0005	<0.0005	<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.0005						
8/23/2007			<0.0005				
8/24/2007		<0.0005		<0.0005			
11/1/2007	<0.0005						
11/2/2007		<0.0005	<0.0005	<0.0005			
11/17/2007		<0.0005	<0.0005				
11/18/2007				<0.0005			
11/19/2007	<0.0005						
1/15/2008		<0.0005	<0.0005	<0.0005			
1/31/2008	<0.0005						
3/5/2008	<0.0005	<0.0005					
3/6/2008			<0.0005				
3/10/2008				<0.0005			
5/7/2008	<0.0005	<0.0005	<0.0005				
5/13/2008				<0.0005			
12/2/2008		<0.0005	<0.0005	<0.0005			
12/12/2008	<0.0005						
4/16/2009		<0.0005					
4/28/2009			<0.0005	<0.0005			
4/29/2009	<0.0005						
10/19/2009			<0.0005				
10/20/2009		<0.0005		<0.0005			
10/21/2009	<0.0005						
4/20/2010		<0.0005					
4/27/2010			<0.0005	<0.0005			
4/28/2010	<0.0005						
9/29/2010		<0.0005					
10/4/2010			<0.0005				
10/5/2010				<0.0005			
10/6/2010	<0.0005						
4/12/2011		<0.0005					
4/18/2011			<0.0005				
4/19/2011				<0.0005			
4/20/2011	<0.0005						
10/4/2011		<0.0005					
10/12/2011	<0.0005		<0.0005	<0.0005			
4/4/2012		<0.0005					
4/23/2012			<0.0005				
4/25/2012	<0.0005			<0.0005			
10/2/2012	<0.0005						
10/10/2012		<0.0005	<0.0005	<0.0005			
4/2/2013	<0.0005						
4/15/2013		<0.0005	<0.0005				
4/16/2013				<0.0005			
10/8/2013	<0.0005						
10/22/2013		<0.0005	<0.0005	<0.0005			
4/1/2014	0.0002 (J)						
4/21/2014		<0.0005	<0.0005	<0.0005			
9/30/2014		<0.0005	<0.0005	<0.0005			
10/1/2014	<0.0005						
3/31/2015	<0.0005						
4/3/2015		<0.0005	<0.0005	<0.0005			

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.0005			
10/7/2015		<0.0005	<0.0005				
10/14/2015	<0.0005						
3/16/2016					<0.0005	<0.0005	<0.0005
4/4/2016	<0.0005						
4/5/2016		<0.0005	<0.0005	<0.0005			
5/16/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
5/31/2016			<0.0005	<0.0005			
6/1/2016	<0.0005	<0.0005					
7/25/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
8/4/2016			<0.0005				
8/9/2016		<0.0005					
9/19/2016					<0.0005	<0.0005 (D)	<0.0005 (D)
9/29/2016			<0.0005				
11/3/2016					<0.0005		<0.0005 (D)
11/4/2016						<0.0005 (D)	
11/23/2016			5E-05 (J)	6E-05 (J)			
11/28/2016		<0.0005					
1/19/2017					<0.0005		
1/20/2017							<0.0005 (D)
1/23/2017						<0.0005 (D)	
2/9/2017		<0.0005					
2/10/2017			<0.0005	<0.0005			
2/22/2017	<0.0005						
3/28/2017					<0.0005		
3/29/2017						0.000285 (J*D)	0.000285 (*JD)
4/11/2017	<0.0005	<0.0005		<0.0005			
4/12/2017			<0.0005				
6/5/2017					<0.0005		
6/7/2017						<0.0005	<0.0005
6/14/2017		<0.0005					
6/15/2017			<0.0005	<0.0005			
6/16/2017	<0.0005						
7/12/2017	<0.0005	<0.0005		<0.0005			
7/26/2017				<0.0005			
7/28/2017	<0.0005						
8/10/2017	<0.0005						
9/26/2017					<0.0005		
9/27/2017						<0.0005	<0.0005
10/5/2017		<0.0005					
10/6/2017	<0.0005		<0.0005	<0.0005			
3/15/2018					<0.0005	<0.0005	<0.0005
3/22/2018		<0.0005					
3/23/2018	<0.0005		<0.0005	<0.0005			
9/12/2018					<0.0005		
9/13/2018						<0.0005	<0.0005
9/19/2018		<0.0005	<0.0005	<0.0005			
9/20/2018	<0.0005						
3/14/2019					<0.0005	<0.0005 (D)	<0.0005 (D)
3/22/2019	<0.0005	<0.0005		<0.0005			
3/25/2019			<0.0005				
9/11/2019					<0.0005	<0.0005 (D)	<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.0005	<0.0005	<0.0005			
9/18/2019	<0.0005						
3/10/2020					<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005	<0.0005	<0.0005			
3/17/2020	<0.0005						
9/11/2020						<0.0005	<0.0005
9/15/2020					<0.0005		
9/21/2020		<0.0005	<0.0005	<0.0005			
9/22/2020	<0.0005						
3/11/2021					<0.0005	<0.0005	<0.0005
3/18/2021		<0.0005	<0.0005	<0.0005			
3/19/2021	<0.0005						
8/4/2021					8.7E-05 (J)		
8/6/2021						<0.0005	<0.0005
8/11/2021		<0.0005	<0.0005	<0.0005			
8/12/2021	<0.0005						
1/31/2022					<0.0005		
2/1/2022						<0.0005	<0.0005
2/4/2022	<0.0005	<0.0005	<0.0005				
2/7/2022				<0.0005			
8/12/2022						<0.0005	<0.0005
8/15/2022					<0.0005		
8/18/2022		<0.0005					
8/19/2022	<0.0005		<0.0005	<0.0005			
2/14/2023					<0.0005	<0.0005	<0.0005
2/22/2023	<0.0005	<0.0005	<0.0005	<0.0005			
7/26/2023					<0.0005	<0.0005	<0.0005
8/1/2023		<0.0005		<0.0005			
8/2/2023	<0.0005		<0.0005				

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.0005
10/25/2007							<0.0005
11/19/2007							<0.0005
1/23/2008							<0.0005
3/11/2008							<0.0005
5/12/2008							<0.0005
12/11/2008							<0.0005
4/15/2009							<0.0005
10/9/2009							<0.0005
5/4/2010							<0.0005
10/12/2010							<0.0005
4/28/2011							<0.0005
10/19/2011							<0.0005
5/2/2012							<0.0005
10/9/2012							<0.0005
4/11/2013							<0.0005
10/16/2013							<0.0005
4/23/2014							<0.0005
10/3/2014							3.71E-05 (J)
3/31/2015							<0.0005
10/12/2015							<0.0005
3/10/2016	<0.0005	<0.0005	<0.0005	<0.0005			
3/17/2016					<0.0005	<0.0005	
3/28/2016							<0.0005
5/17/2016	<0.0005			<0.0005			
5/18/2016		<0.0005	<0.0005		<0.0005	<0.0005	
5/25/2016							<0.0005
7/26/2016	<0.0005						
7/27/2016		<0.0005	<0.0005	<0.0005	<0.0005		
7/28/2016						<0.0005	
8/1/2016							<0.0005
9/20/2016	<0.0005	<0.0005	<0.0005	<0.0005			
9/21/2016					<0.0005	<0.0005	
9/27/2016							<0.0005
11/4/2016	<0.0005		<0.0005	<0.0005	<0.0005		
11/7/2016		<0.0005				<0.0005	
11/11/2016							<0.0005
1/20/2017	<0.0005		<0.0005				
1/23/2017		<0.0005		<0.0005			
1/24/2017					5E-05 (J)	5E-05 (J)	
1/31/2017							<0.0005
3/28/2017	<0.0005			<0.0005			
3/29/2017		<0.0005 (*)	<0.0005 (*)		<0.0005 (*)		
3/30/2017						<0.0005 (*)	
4/3/2017							<0.0005
6/7/2017	<0.0005						
6/8/2017		<0.0005	<0.0005	<0.0005	<0.0005		
6/9/2017						<0.0005	
6/12/2017							<0.0005
9/27/2017		<0.0005	<0.0005				
9/29/2017	<0.0005			<0.0005	4E-05 (J)	<0.0005	
10/3/2017							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/15/2018	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/16/2018			<0.0005				
3/19/2018							<0.0005
9/13/2018	<0.0005	<0.0005	<0.0005	6.2E-05 (J)	<0.0005		
9/14/2018						<0.0005	
9/17/2018							<0.0005
3/15/2019		<0.0005		<0.0005			
3/18/2019	<0.0005				<0.0005		
3/19/2019			5E-05 (J)			4.5E-05 (J)	
3/20/2019							<0.0005
9/11/2019	<0.0005		<0.0005	<0.0005 (D)	<0.0005	<0.0005	
9/12/2019		<0.0005					
9/16/2019							<0.0005
3/9/2020		<0.0005	<0.0005	<0.0005		<0.0005	
3/10/2020	<0.0005						
3/11/2020					<0.0005		
3/16/2020							<0.0005
9/11/2020					<0.0005		
9/14/2020	<0.0005	<0.0005		0.00015 (J)		<0.0005	
9/15/2020			<0.0005				
9/16/2020							<0.0005
3/11/2021	<0.0005	<0.0005	<0.0005	0.0002 (J)			
3/15/2021					<0.0005	<0.0005	
3/17/2021							<0.0005
8/4/2021				0.0005			
8/5/2021	0.00015 (J)	0.00021	0.00023			0.0002	
8/9/2021							<0.0005
8/11/2021					<0.0005		
10/28/2021		<0.0005	<0.0005				
1/31/2022	<0.0005			0.00039			
2/1/2022		<0.0005	<0.0005		<0.0005	<0.0005	
2/2/2022							<0.0005
4/28/2022				0.0004			
8/15/2022	<0.0005	<0.0005	<0.0005	0.00038	<0.0005	<0.0005	
8/16/2022							<0.0005
2/14/2023	<0.0005	<0.0005	0.00013 (J)	0.00064	<0.0005	<0.0005	
2/20/2023							<0.0005
3/16/2023				0.00045			
7/26/2023	<0.0005			0.00064			
7/27/2023		<0.0005	<0.0005		<0.0005	<0.0005	
7/28/2023							<0.0005

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.0005					
8/23/2007						<0.0005
10/25/2007	<0.0005					
11/1/2007						<0.0005
11/19/2007						<0.0005
11/20/2007	<0.0005					
1/15/2008						<0.0005
1/23/2008	<0.0005					
3/6/2008						<0.0005
3/11/2008	<0.0005					
5/13/2008						<0.0005
5/14/2008	<0.0005					
12/11/2008	<0.0005					
12/12/2008						<0.0005
4/16/2009						<0.0005
4/23/2009	<0.0005					
10/9/2009	<0.0005					
10/13/2009						<0.0005
4/21/2010						<0.0005
5/4/2010	<0.0005					
9/29/2010						<0.0005
10/11/2010	<0.0005					
4/13/2011						<0.0005
4/26/2011	<0.0005					
10/5/2011						<0.0005
10/18/2011	<0.0005			<0.0005		
4/4/2012						<0.0005
4/30/2012				<0.0005		
5/2/2012	<0.0005					
10/3/2012				<0.0005		
10/8/2012	<0.0005					<0.0005
4/8/2013				<0.0005		<0.0005
4/10/2013	<0.0005					
10/8/2013	<0.0005					
10/9/2013				<0.0005		<0.0005
4/9/2014						<0.0005
4/10/2014				<0.0005		
4/14/2014	<0.0005					
9/30/2014						<0.0005
10/2/2014				3.83E-05 (J)		
10/3/2014	3.29E-05 (J)					
4/1/2015	<0.0005					
4/2/2015						<0.0005
4/3/2015				<0.0005		
5/26/2015		<0.0005			<0.0005	
6/18/2015		<0.0005 (D)			<0.0005 (D)	
7/2/2015		<0.0005			<0.0005	
8/13/2015		<0.0005 (D)				
8/14/2015					<0.0005 (D)	
10/8/2015				<0.0005	<0.0005	
10/9/2015	<0.0005	<0.0005				
10/10/2015						<0.0005 (D)

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					<0.0005	
3/29/2016	<0.0005	<0.0005				
3/30/2016				<0.0005		<0.0005
5/24/2016	<0.0005	<0.0005		<0.0005		
5/25/2016					<0.0005	
5/26/2016						<0.0005
5/31/2016			<0.0005			
8/1/2016	<0.0005	<0.0005				
8/2/2016			<0.0005	<0.0005	<0.0005	
8/5/2016						<0.0005
9/26/2016	<0.0005	<0.0005			<0.0005	
9/27/2016			<0.0005	<0.0005		
9/28/2016						<0.0005
11/14/2016		<0.0005				
11/18/2016	<0.0005					
11/21/2016			<0.0005		<0.0005	<0.0005
11/22/2016				8E-05 (J)		
2/1/2017	<0.0005	<0.0005	<0.0005			
2/3/2017					<0.0005	
2/6/2017				<0.0005		<0.0005
4/6/2017	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
4/7/2017					<0.0005	
6/13/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
6/14/2017				<0.0005		
7/14/2017			<0.0005			
10/3/2017	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005
10/4/2017				<0.0005		
3/19/2018	<0.0005					
3/20/2018		<0.0005	<0.0005		<0.0005	<0.0005
3/21/2018				<0.0005		
9/17/2018	<0.0005	<0.0005				
9/18/2018			<0.0005	<0.0005	<0.0005	<0.0005 (D)
3/21/2019	<0.0005	<0.0005	<0.0005			<0.0005
3/27/2019				<0.0005		
5/6/2019					<0.0005	
9/13/2019			<0.0005			
9/16/2019	<0.0005	<0.0005		<0.0005 (D)	<0.0005	<0.0005
3/12/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
3/16/2020					<0.0005	
9/16/2020	<0.0005	<0.0005	<0.0005			
9/17/2020				<0.0005	<0.0005	<0.0005
3/17/2021	<0.0005	<0.0005	<0.0005	<0.0005		
3/18/2021					<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/2/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/17/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
2/17/2023	<0.0005	<0.0005				
2/20/2023			<0.0005		<0.0005	
2/21/2023				<0.0005		<0.0005
7/28/2023		<0.0005				
7/31/2023	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			0.028	
10/23/2007	0.0096						
10/24/2007		0.026 (O)	0.0025				
11/2/2007						0.041	
11/18/2007	0.023	0.043 (O)	0.0093			0.14 (O)	
1/30/2008	0.11 (O)						
1/31/2008		0.0075	0.054 (O)			0.053	
3/10/2008	0.024		0.0054				
3/11/2008		0.019				0.076 (o)	
5/6/2008		0.004					
5/13/2008	0.006		0.0043				
5/14/2008						0.074 (o)	
12/4/2008		0.02	<0.005				
12/5/2008	<0.005					0.032	
4/15/2009	<0.005					0.028	
4/21/2009		<0.005	<0.005				
10/7/2009	0.0096	<0.005					
10/8/2009			<0.005			0.032	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						0.029	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		0.0025					
10/6/2010						0.031	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						0.019	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						0.028	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						0.0253	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			0.023	
4/11/2013			<0.005			0.021	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		0.0028					
10/16/2013	<0.005		<0.005			0.018	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						0.015	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						0.017	
3/30/2015	0.004	0.0018 (J)	<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.045	
10/12/2015						0.019	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					0.00544 (J)		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			0.019	
5/11/2016					0.0149		<0.005
5/16/2016				0.0136 (D)			
7/19/2016					0.0044 (J)		
7/21/2016							<0.005
7/27/2016				0.0224 (D)			
7/29/2016	<0.005	<0.005	<0.005			0.0161	
9/15/2016					0.0047 (J)		<0.005
11/2/2016					0.0025 (J)		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					0.004 (J)		
2/21/2017				0.0007 (J)			
3/24/2017							<0.005 (*)
3/27/2017				<0.005 (D)			
3/28/2017					0.0034 (J)		
3/30/2017	0.0004 (J)	0.0006 (J)				0.018	
4/3/2017			<0.005				
9/26/2017					0.0016 (J)		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						0.0158	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				0.015	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					0.014	
3/13/2019							<0.005
3/14/2019				0.0017 (J)			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				0.01	
9/9/2019					0.0014 (J)		<0.005
9/12/2019	0.00038 (J)	0.00518 (JD)					
9/13/2019			<0.005			0.012	
3/9/2020				0.00083 (J)	0.04 (o)		<0.005
3/11/2020	0.00068 (J)	0.0014 (J)	0.002 (J)			0.012	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	0.0013 (J)				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					0.0015 (J)		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	0.00081 (J)			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					0.00095 (J)		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					0.0013 (J)		<0.005
7/27/2023	<0.005	<0.005	<0.005				
8/1/2023						<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.0035
4/23/2009							0.0032
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							0.0028
10/5/2011							0.0028
4/11/2012							<0.005
10/2/2012							0.0026
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0025 (J)
10/1/2014							<0.005
3/30/2015							0.0015 (J)
10/11/2015							0.0013 (J)
3/11/2016			<0.01	0.00288 (J)	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			0.00233 (J)				
7/19/2016				0.0006 (J)	<0.005		
7/20/2016	0.0006 (J)						
7/21/2016		0.0009 (J)					
7/22/2016			0.0014 (J)				
8/1/2016							<0.005
9/15/2016	0.0009 (J)						
9/16/2016				0.0008 (J)	<0.005		
9/19/2016			0.0014 (J)				
9/21/2016		<0.005					
11/2/2016				0.0007 (J)	<0.005		
11/3/2016	0.0011 (J)	<0.005	0.0013 (J)				
1/17/2017		<0.005	0.0011 (J)				
1/18/2017	0.0007 (J)			0.0006 (J)	0.0006 (J)		
3/24/2017	<0.005 (*)						
3/27/2017		<0.005 (*)	<0.01 (*)				
3/28/2017				<0.005 (*)	<0.005 (*)		
4/7/2017						<0.005	0.0011 (J)
9/22/2017				0.0007 (J)	<0.005		
9/25/2017	<0.005	0.0012 (J)					
9/26/2017			0.0011 (J)				
10/2/2017							0.0013 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	0.0014 (J)	0.0012 (J)	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	0.0011 (J)		<0.005	<0.005		
9/14/2018			0.0012 (J)				
9/17/2018							0.00096 (J)
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	0.001 (J)	0.0015 (J)				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	0.0004 (JD)	0.00084 (J)	0.0012 (J)				
9/11/2019				0.00082 (J)	<0.005		
9/12/2019						0.00032 (JD)	
9/13/2019							0.00063 (J)
3/6/2020	0.0089 (J)		0.0015 (J)				
3/9/2020		0.00036 (J)		0.00082 (J)	<0.005		
3/11/2020							0.00084 (J)
3/12/2020						0.00034 (J)	
9/10/2020	<0.005	<0.005	0.0011 (J)				
9/11/2020				0.00089 (J)			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		0.0011 (J)	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	0.0011 (J)				
8/5/2021					<0.005		
8/6/2021				0.00084 (J)			
8/9/2021							0.00077 (J)
8/10/2021						<0.005	
1/31/2022	<0.005	0.00091 (J)	0.0011 (J)	0.00077 (J)	<0.005		
2/1/2022							0.0008 (J)
2/3/2022						<0.005	
8/10/2022			0.0016 (J)		<0.005		
8/11/2022	0.00083 (J)	<0.005		<0.005			
8/16/2022							0.00071 (J)
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	0.0013 (J)		<0.005		
2/14/2023				<0.005			
2/16/2023							0.00082 (J)
2/17/2023						<0.005	
7/25/2023	0.00073 (J)	<0.005		<0.005	<0.005		
7/26/2023			0.0015 (J)				
7/28/2023						<0.005	0.00094 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.01	0.0076
11/1/2007		0.0042	0.006	<0.005	<0.005	<0.01	0.0043
11/18/2007				<0.005	<0.005		
11/19/2007						0.0047	0.0061
11/20/2007		0.026	<0.005				
1/16/2008						0.029	
1/30/2008		0.032	0.029 (C)	<0.005	<0.005		
1/31/2008							0.015
3/5/2008				<0.005		0.023	<0.005
3/6/2008		0.019	<0.005		0.0046		
5/7/2008				0.0087	<0.005		
5/8/2008			0.0057				
5/12/2008		0.0072					0.0035
5/13/2008						0.0032	
12/12/2008	0.0096						
12/13/2008		0.024				<0.01	0.0079
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.01	
4/23/2009	0.015						
4/28/2009							<0.005
4/29/2009		0.0026	<0.005	<0.005	<0.005		
10/6/2009	0.008						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.01	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.01	
4/28/2010							<0.005
5/3/2010	0.0053						
9/28/2010			<0.005	<0.005			
9/29/2010		0.0042			<0.005		
10/5/2010						<0.01	<0.005
10/11/2010	0.0061						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						0.0025	<0.005
4/27/2011	0.0087						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.01	
10/18/2011							0.0031
10/19/2011	0.0039						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.01	
4/25/2012							<0.005
5/1/2012	0.0054						
10/2/2012	0.0044					<0.01	<0.005
10/3/2012		0.004		0.0042	<0.005		
10/8/2012			<0.005				
4/2/2013						0.003	<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0028	<0.005	<0.005	<0.005		
4/10/2013	0.0053						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.01	
10/15/2013		0.0036	<0.005				
10/16/2013	0.0047						
4/1/2014						0.0025 (J)	<0.005
4/2/2014				0.0025 (J)	<0.005		
4/9/2014		0.0025 (J)	<0.005				
4/22/2014	0.0045						
10/1/2014	0.0018 (J)						<0.005
10/2/2014		<0.005	<0.005	0.0016 (J)	<0.005	<0.01	
3/30/2015	0.0037						
4/1/2015				<0.005	0.0041	0.0014 (J)	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	0.0018 (J)			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						0.0021 (J)	
10/15/2015							<0.005
3/28/2016	0.0028 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	0.00264 (J)	<0.005
8/1/2016	<0.01						
8/3/2016			<0.005	<0.005		<0.01	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0022 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						0.0027 (J)	
4/12/2017							<0.005
10/2/2017	0.0021 (J)						
10/4/2017		<0.005	0.0006 (J)	<0.005	<0.005	0.0022 (J)	
10/9/2017							<0.005
3/16/2018	0.0014 (J)						
3/20/2018		0.0016 (J)					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	0.0025 (J)	
9/18/2018	0.0012 (J)	<0.005	<0.005	<0.005	<0.005	0.0024 (J)	
9/19/2018							<0.005
3/19/2019	0.0016 (J)						
3/22/2019		0.0022 (J)	<0.005				
3/23/2019				<0.005	<0.005	0.0026 (J)	<0.005
9/12/2019	0.0015 (J)						
9/17/2019		<0.005	<0.005	<0.005	<0.005	0.0033 (JD)	
9/18/2019							0.00046 (J)
3/11/2020	0.001 (J)						
3/12/2020		0.0015 (J)	0.00043 (J)	<0.005	<0.005	0.0022 (J)	
3/13/2020							<0.005
9/15/2020	0.0012 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	0.0019 (J)	

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0012 (J)						
3/18/2021		0.00094 (J)	0.0011 (J)				<0.005
3/19/2021				<0.005	<0.005	0.0022 (J)	
8/9/2021	0.00097 (J)						
8/10/2021		0.00081 (J)					
8/11/2021			<0.005	<0.005	<0.005	0.0019 (J)	<0.005
2/2/2022	0.00089 (J)					0.0025 (J)	
2/4/2022		0.0014 (J)	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0011 (J)	<0.005					
8/18/2022			<0.005	<0.005	<0.005	0.0023 (J)	<0.005
2/16/2023	0.00081 (J)						
2/20/2023		0.0019 (J)	<0.005	<0.005	<0.005		
2/21/2023						0.0022 (J)	
2/22/2023							<0.005
7/28/2023	0.00092 (J)						
7/31/2023		<0.005	<0.005				
8/1/2023				<0.005	<0.005	0.0034 (J)	<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			0.0089				
8/24/2007		<0.005		<0.005			
11/1/2007	0.0033						
11/2/2007		0.0029	0.0036	<0.005			
11/17/2007		0.0086	0.014 (O)				
11/18/2007				0.0088 (J)			
11/19/2007	0.0029						
1/15/2008		0.011	0.0096	0.019			
1/31/2008	0.0039						
3/5/2008	<0.005	0.0072					
3/6/2008			0.0038				
3/10/2008				0.017			
5/7/2008	<0.005	0.0045	0.0056				
5/13/2008				0.0058			
12/2/2008		0.011	0.003	0.0043			
12/12/2008	0.022 (O)						
4/16/2009		0.0061					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0034						
10/19/2009			<0.005				
10/20/2009		0.01		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			0.004	<0.005			
4/28/2010	0.0026						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.01	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	0.00316 (JD)	<0.005 (D)
7/25/2016					0.0006 (J)	0.0013 (JD)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		0.0021 (J)					
9/19/2016					0.0008 (J)	0.0013 (JD)	<0.005 (D)
11/3/2016					0.0007 (J)		<0.005 (D)
11/4/2016						0.0015 (JD)	
1/19/2017					0.0009 (J)		
1/20/2017							<0.005 (D)
1/23/2017						0.0015 (JD)	
3/28/2017					<0.005 (*)		
3/29/2017						0.0012 (JD)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
9/26/2017					0.0007 (J)		
9/27/2017						0.0014 (J)	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		0.001 (J)	<0.005			
3/15/2018					<0.005	0.0011 (J)	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						0.001 (J)	<0.005
9/19/2018		0.00096 (J)	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	0.001 (JD)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			0.0011 (J)				
9/11/2019					0.00058 (J)	0.0012 (JD)	<0.005 (D)
9/17/2019		0.0007 (X)	0.00057 (J)	<0.005			
9/18/2019	<0.005						
3/10/2020					0.00086 (J)	0.0012 (J)	<0.005
3/13/2020		0.00078 (J)	0.00072 (J)	<0.005			
3/17/2020	0.00082 (J)						
9/11/2020						0.00099 (J)	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	0.0015 (J)	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	0.00092 (J)	<0.005
3/18/2021		<0.005	0.00079 (J)	<0.005			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						0.00098 (J)	0.00095 (J)
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						0.0011 (J)	<0.005
2/4/2022	<0.005	<0.005	0.00093 (J)				
2/7/2022				<0.005			
8/12/2022						0.00086 (J)	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					0.00073 (J)	0.00092 (J)	0.004 (J)
2/22/2023	<0.005	<0.005	<0.005	<0.005			
7/26/2023					<0.005	0.0012 (J)	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	<0.005		<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0069
10/25/2007							0.038
11/19/2007							0.025
1/23/2008							0.047
3/11/2008							0.042
5/12/2008							0.031
12/11/2008							0.027
4/15/2009							0.025
10/9/2009							0.051
5/4/2010							0.025
10/12/2010							0.024
4/28/2011							0.01
10/19/2011							0.03
5/2/2012							0.0429
10/9/2012							0.033
4/11/2013							0.02
10/16/2013							0.028
4/23/2014							0.024
10/3/2014							0.032
3/31/2015							0.012
10/12/2015							0.012
3/10/2016	<0.005	<0.005	<0.005	0.00432 (J)			
3/17/2016					<0.005	0.00421 (J)	
3/28/2016							0.0172
5/17/2016	<0.005			0.00489 (J)			
5/18/2016		<0.005	<0.005		<0.005	<0.01	
7/26/2016	<0.005						
7/27/2016		<0.005	0.0007 (J)	0.0036 (J)	<0.005		
7/28/2016						0.0024 (J)	
8/1/2016							0.0113
9/20/2016	0.0013 (J)	<0.005	0.0007 (J)	0.0035 (J)			
9/21/2016					<0.005	0.0044 (J)	
11/4/2016	<0.005		0.0006 (J)	0.0035 (J)	<0.005		
11/7/2016		<0.005				0.0035 (J)	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.01			
1/24/2017					<0.005	0.005 (J)	
3/28/2017	<0.005			0.0033 (J)			
3/29/2017		0.0004 (J)	0.0003 (J)		<0.005		
3/30/2017						0.0046 (J)	
4/3/2017							0.0114
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			0.0036 (J)	<0.005	0.004 (J)	
10/3/2017							0.0098 (J)
3/15/2018	<0.005	<0.005		0.0033 (J)	<0.005	0.0028 (J)	
3/16/2018			<0.005				
3/19/2018							0.0092 (J)
9/13/2018	<0.005	<0.005	<0.005	0.0038 (J)	<0.005		
9/14/2018						0.0024 (J)	
9/17/2018							0.0085 (J)
3/15/2019		<0.005		0.0033 (J)			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			0.0042 (J)			0.0047 (J)	
3/20/2019							0.008 (J)
9/11/2019	<0.005		0.0014 (J)	0.00405 (JD)	<0.005	0.0012 (J)	
9/12/2019		<0.005					
9/16/2019							0.008 (J)
3/9/2020		<0.005	<0.005	0.0039 (J)		0.003 (J)	
3/10/2020	<0.005						
3/11/2020					0.0004 (J)		
3/16/2020							0.015
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		0.0046 (J)		0.0014 (J)	
9/15/2020			<0.005				
9/16/2020							0.0075 (J)
3/11/2021	<0.005	<0.005	<0.005	0.0047 (J)			
3/15/2021					<0.005	0.0013 (J)	
3/17/2021							0.0077
8/4/2021				0.0045 (J)			
8/5/2021	<0.005	<0.005	<0.005			0.0023 (J)	
8/9/2021							0.0089
8/11/2021					<0.005		
1/31/2022	<0.005			0.0052			
2/1/2022		<0.005	<0.005		<0.005	0.0014 (J)	
2/2/2022							0.0088
8/15/2022	<0.005	<0.005	<0.005	0.0056	<0.005	0.0022 (J)	
8/16/2022							0.0087
2/14/2023	<0.005	<0.005	<0.005	0.0058	<0.005	0.0018 (J)	
2/20/2023							0.0087
7/26/2023	<0.005			0.0075			
7/27/2023		<0.005	<0.005		<0.005	0.0017 (J)	
7/28/2023							0.009

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						0.0046
10/25/2007	0.0028					
11/1/2007						0.0057
11/19/2007						0.014 (J)
11/20/2007	0.012					
1/15/2008						0.057 (O)
1/23/2008	0.046 (O)					
3/6/2008						0.046 (O)
3/11/2008	0.0091					
5/13/2008						0.0069
5/14/2008	0.022					
12/11/2008	0.005					
12/12/2008						0.0061
4/16/2009						0.0067 (J)
4/23/2009	0.0031					
10/9/2009	0.0053					
10/13/2009						0.0054
4/21/2010						<0.01
5/4/2010	<0.005					
9/29/2010						<0.01
10/11/2010	0.0042					
4/13/2011						<0.01
4/26/2011	0.0051					
10/5/2011						<0.01
10/18/2011	<0.005			<0.005		
4/4/2012						<0.01
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.01
4/8/2013				<0.005		<0.01
4/10/2013	<0.005					
10/8/2013	0.0025					
10/9/2013				<0.005		0.0029
4/9/2014						0.0025 (J)
4/10/2014				<0.005		
4/14/2014	0.0025 (J)					
9/30/2014						<0.01
10/2/2014				<0.005		
10/3/2014	0.0021 (J)					
4/1/2015	0.0026					
4/2/2015						0.0016 (J)
4/3/2015				<0.005		
5/26/2015		<0.005			0.002 (J)	
6/18/2015		<0.005 (D)			0.0025 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				0.003	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						0.00295 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00202 (J)
8/1/2016	<0.005	<0.005				
8/2/2016			0.0011 (J)	<0.005	<0.005	
8/5/2016						<0.01
4/6/2017	0.0005 (J)	<0.005	0.0011 (J)	0.0003 (J)		0.001 (J)
4/7/2017					0.0007 (J)	
10/3/2017	<0.005	<0.005	0.0012 (J)		0.0006 (J)	0.0007 (J)
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	0.00097 (J)
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.01 (D)
3/21/2019	<0.005	<0.005	0.00099 (J)			0.001 (J)
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			0.00061 (J)			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	0.00062 (J)
3/12/2020	<0.005	<0.005	0.00078 (J)	<0.005		0.0011 (J)
3/16/2020					0.0006 (J)	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.01
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	0.001 (J)
8/10/2021	<0.005	<0.005	0.0009 (J)	<0.005	<0.005	0.001 (J)
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	0.0011 (J)
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		0.001 (J)
7/28/2023		<0.005				
7/31/2023	<0.005		<0.005	<0.005	<0.005	0.00071 (J)

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					6.91		
3/15/2016							7.58
3/22/2016	7.65						
3/23/2016		6.7	7.45			5.96	
5/11/2016					6.51		7.24
5/16/2016				7.61 (D)			
5/19/2016	7.6		7.5				
5/20/2016		6.36					
5/23/2016						5.73	
7/19/2016					6.12		
7/21/2016							7.53
7/27/2016				7.51 (D)			
7/29/2016	7.58	6.75	7.59			5.51	
9/15/2016					5.96		7
9/19/2016							7.19
9/22/2016			7.44			5.45	
9/23/2016	7.57	6.62					
11/2/2016					5.78		
11/3/2016							7.13
11/9/2016	7.45	6.42					
11/10/2016			7.55			5.51	
1/17/2017							7.51
1/18/2017					6.13		
1/30/2017	7.64						
1/31/2017		5.66	7.56			5.42	
2/21/2017				7.76 (D)			
3/24/2017							7.55
3/27/2017				7.7 (D)			
3/28/2017					6.59		
3/30/2017	7.51	6.33				5.43	
4/3/2017			7.46				
5/24/2017							7.6
6/7/2017					6.72		
6/8/2017				7.69 (D)			
6/9/2017	7.6		7.24				
6/12/2017		6.6				5.47	
7/17/2017				7.57 (D)			
7/26/2017				7.63			
7/27/2017				7.63			
8/8/2017				7.73			
8/9/2017				7.73			
9/26/2017					7.05		7.66
9/29/2017				7.7 (D)			
10/2/2017	7.55	5.61	7.35				
10/4/2017						5.23	
12/28/2017					6.79 (Y)		7.34 (Y)
3/14/2018					7.42		7.56
3/16/2018	7.58		7.31	7.49			
3/19/2018		6.55				5.4	
9/12/2018					6.86		7.12
9/14/2018		5.81	7.55	7.32			
9/17/2018	7.53 (D)					5.22	

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			7.37	6.43	7.89		
3/15/2016	6.74	7.15					
3/28/2016							6.22
5/12/2016	6.41						
5/13/2016		7.29		6.8	7.86		
5/16/2016			7.55				
5/23/2016							5.86
7/19/2016				6.42	7.83		
7/20/2016	6.59						
7/21/2016		7.43					
7/22/2016			7.51				
8/1/2016							6.39
9/16/2016				6.19	7.75		
9/19/2016			7.52				
9/21/2016		7.05					
9/26/2016							5.74
11/2/2016				6.36	7.77		
11/3/2016	6.45	7.4	7.56				
11/10/2016							5.78
1/17/2017		7.06	7.59				
1/18/2017	6.34			6.16	7.65		
1/30/2017							5.88
2/22/2017						7.38 (D)	
3/24/2017	6.42						
3/27/2017		7.13	7.63				
3/28/2017				5.8	7.79		
4/7/2017						7.35 (D)	5.94
6/6/2017	6.82	7.18		5.97	7.89		
6/7/2017			7.55				
6/12/2017							5.81
6/14/2017						7.3 (D)	
7/11/2017						7.39	
7/12/2017						7.39 (D)	
7/19/2017						7.44	
7/20/2017						7.44 (D)	
7/27/2017						7.5	
7/28/2017						7.5	
8/8/2017						7.52	
8/9/2017						7.52	
8/23/2017						7.5	
8/24/2017						7.5	
9/22/2017				5.77	7.8		
9/25/2017	6.63	6.88					
9/26/2017			7.59				
10/2/2017							5.93
10/3/2017						7.51 (D)	
12/28/2017					7.78 (Y)	7.32 (Y)	
3/14/2018	7.08	7.04	7.6	5.85			
3/15/2018					7.66		
3/16/2018							5.64
3/21/2018						7.3	
9/12/2018	6.54	7.02		5.65	7.75		

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/14/2018			7.37				
9/17/2018							5.82
9/18/2018						7.26	
3/13/2019				5.63	7.84		
3/14/2019	6.58	6.93	7.57				
3/19/2019							5.93
3/21/2019						7.28 (D)	
9/10/2019	5.66	6.72	7.53				
9/11/2019				5.53	7.75		
9/12/2019						7.2 (D)	
9/13/2019							5.61
3/6/2020	6.82		7.42				
3/9/2020		6.7		5.5	7.73		
3/11/2020							5.57
3/12/2020						7.55	
9/10/2020	6.4	6.67	7.48				
9/11/2020				6.25			
9/14/2020					7.76		
9/16/2020							5.62
9/17/2020						7.42	
3/10/2021		7.3					
3/11/2021	6.8		7.53	5.55	7.81		
3/16/2021						7.4	
3/17/2021							5.64
8/4/2021	6.34	7.15	7.35				
8/5/2021					7.75		
8/6/2021				5.52			
8/9/2021							5.34
8/10/2021						7.2	
1/31/2022	6.02	6.63	7.17	5.71	8.04		
2/1/2022							5.61
2/3/2022						7.2	
8/10/2022			7.26		7.72		
8/11/2022	6.29	7.12		5.64			
8/16/2022							5.29
8/17/2022						6.49	
2/13/2023	6.25	6.45	6.83		7.82		
2/14/2023				5.24			
2/16/2023							4.95
2/17/2023						6.98	
7/25/2023	5.58	6.19		4.64	7.31		
7/26/2023			6.92				
7/28/2023						6.815 (D)	4.66

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	6.45						
3/31/2016		7.21	7.54				
4/4/2016				7.16	8.01	6.53	7.44
5/25/2016	6.96						
5/26/2016		7.3	7.43	7.23	7.91		
5/27/2016						6.45	
5/31/2016							7.37
8/1/2016	5.64						
8/3/2016			7.41	6.96		6.41	
8/4/2016					7.85		7.32
8/5/2016		7.54					
9/26/2016	6.26						
9/28/2016		7.48	7.26	7.6	8.26		
9/29/2016							7.38
9/30/2016						6.46	
11/11/2016	5.62						
11/22/2016		7.54	7.38	6.71	7.79	6.39	
11/28/2016							7.43
1/30/2017	5.49						
2/7/2017		7.17	7.46				
2/8/2017				6.84	7.77		
2/9/2017							7.36
2/13/2017						6.4	
4/3/2017	6.32						
4/10/2017		6.72	7.51	7.13	7.95		
4/11/2017						6.37	
4/12/2017							7.46
6/12/2017	6.48						
6/14/2017		6.83	7.34			5.85	
6/15/2017				7.1	7.79		
6/16/2017							7.36
10/2/2017	6.41						
10/4/2017		7.38	7.54	6.25	7.74	6.27	
10/9/2017							7.38
3/16/2018	5.46						
3/20/2018		6.23					
3/21/2018			7.33	7.07			7.33
3/22/2018					7.72	6.45	
9/18/2018	5.35	7.14	7.66	6.9	7.88	6.42	
9/19/2018							7.31
3/19/2019	6.01						
3/22/2019		6.23	7.34				
3/23/2019				6.27	7.56	6.34	7.27
9/12/2019	5.89						
9/17/2019		7.16	7.51	6.55	7.58	6.19 (D)	
9/18/2019							7.28
3/11/2020	5.4						
3/12/2020		6.43	7.49	6.3	7.6	6.17	
3/13/2020							7.25
9/15/2020	5.26						
9/17/2020		7.28	7.7				
9/21/2020				7.02	7.84	6.28	

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							7.34
3/17/2021	6.31						
3/18/2021		6.69	7.52				7.3
3/19/2021				7.05	7.64	6.31	
5/26/2021					7.55		
8/9/2021	5.16						
8/10/2021		6.63					
8/11/2021			7.46	6.02	7.65	6.05	7.07
2/2/2022	5.17					6.35	
2/4/2022		6.53	7.69	7.2	7.58		
2/17/2022							7.24
4/28/2022						6.33	
8/17/2022	5.7	7.01					
8/18/2022			7.52	6.08	7.57	6.03	6.95
2/16/2023	4.73						
2/20/2023		5.39	7.08	5.52	7.2		
2/21/2023						6.18	
2/22/2023							6.96
4/11/2023							6.69
7/28/2023	4.24						
7/31/2023		6.58	7.16				
8/1/2023				6.71	7.3	5.45	6.77

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					4.49	5.1	7.22
4/4/2016	8.56 (o)						
4/5/2016		10.61 (o)	7.71	7.71			
5/16/2016					4.55	5.15	7.34
5/31/2016			7.66	9.52 (o)			
6/1/2016	9.83 (o)	10.32 (o)					
7/25/2016					4.63	5.13	7.38
8/4/2016			7.8				
8/9/2016		8.23 (o)					
9/19/2016					4.65	5	7.37
9/29/2016			7.46				
11/3/2016					4.69		7.52
11/4/2016						5.02	
11/23/2016			7.62	7.88			
11/28/2016		7.29					
1/19/2017					4.58		
1/20/2017							7.3
1/23/2017						4.9	
2/9/2017		6.91					
2/10/2017			7.51	7.72			
2/22/2017	7.45						
3/28/2017					4.45		
3/29/2017						5.08	7.29
4/11/2017	6.37	6.68		7.83			
4/12/2017			7.54				
6/5/2017					4.33		
6/7/2017						5.06	7.43
6/14/2017		6.84					
6/15/2017			7.71	7.86			
6/16/2017	7.33						
7/12/2017	7.46	6.54		7.73			
7/20/2017					4.38		
7/26/2017				7.71			
7/27/2017	7.37						
7/28/2017	7.37						
8/9/2017	7.38						
8/10/2017	7.38						
9/26/2017					4.51		
9/27/2017						4.92	7.2
10/5/2017		6.93					
10/6/2017	6.55		7.58	7.74			
12/28/2017	7.43 (Y)						
12/29/2017						5.08 (Y)	
3/15/2018					4.34	4.6	6.87
3/22/2018		6.93					
3/23/2018	7.58		7.34	7.89			
9/12/2018					4.49		
9/13/2018						5.26	7.31
9/19/2018		6.88	7.66	7.77			
9/20/2018	7.43						
3/14/2019					4.41	5.01 (D)	7.14 (D)
3/22/2019	7.49	6.27		7.55			

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/25/2019			7.64				
9/11/2019					4.36	4.93 (D)	7.2 (D)
9/17/2019		6.04	7.35	7.76			
9/18/2019	7.5						
3/10/2020					4.44	4.98	7.05
3/13/2020		6.16	7.56	7.68			
3/17/2020	7.62						
9/11/2020						4.91	7.26
9/15/2020					4.46		
9/21/2020		6.06	7.48	7.65			
9/22/2020	6.95						
12/15/2020						4.92	
3/11/2021					4.21	4.68	7.21
3/18/2021		6.04	7.58	7.87			
3/19/2021	7.42						
8/4/2021					4.38		
8/6/2021						4.65	7.05
8/11/2021		6.09	7.59	7.81			
8/12/2021	7.11						
1/31/2022					4.78		
2/1/2022						4.88	7.15
2/4/2022	7.46	6.06	7.61				
2/7/2022				7.83			
8/12/2022						4.7	7.08
8/15/2022					4.3		
8/18/2022		5.95					
8/19/2022	6.66		7.5	7.6			
10/11/2022					4.13		
2/14/2023					3.95	4.26	6.71
2/22/2023	7.15	5.97	7.32	7.49			
7/26/2023					4.08	4.19	6.92
8/1/2023		5.57		7.41			
8/2/2023	6.995 (D)		7.23				

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	7.39	7.56	8.08	5.66			
3/17/2016					7.82	6.4	
3/28/2016							7.04
5/17/2016	7.32			5.11			
5/18/2016		7.58	7.91		7.85	6.17	
5/25/2016							6.39
7/26/2016	7.32						
7/27/2016		7.58	7.83	5.17	7.87		
7/28/2016						5.85	
8/1/2016							6.13
9/20/2016	7.3	7.68	7.69	5.12			
9/21/2016					7.8	5.61	
9/27/2016							5.98
11/4/2016	7.38		7.75	5.03	7.89		
11/7/2016		7.7				5.71	
11/11/2016							6.11
1/20/2017	7.29		7.6				
1/23/2017		7.61		5.1			
1/24/2017					7.97	5.58	
1/31/2017							6.08
3/28/2017	7.21			5.03			
3/29/2017		7.57	7.63		7.71		
3/30/2017						5.44	
4/3/2017							6.13
6/7/2017	7.47						
6/8/2017		7.48	7.64	4.77	7.86		
6/9/2017						5.11	
6/12/2017							6.83
9/27/2017		7.55	7.62				
9/29/2017	7.42			5.06	7.72	5.51	
10/3/2017							6.2
12/28/2017		7.59 (Y)		5.07 (Y)	7.71 (Y)		
1/10/2018						5.51 (Y)	
3/15/2018	7.22	7.42		5.14	7.51	5.12	
3/16/2018			7.72				
3/19/2018							6.06
9/13/2018	7.52	7.49	7.68	5.02	8.02		
9/14/2018						5.38	
9/17/2018							6.14
3/15/2019		7.45		5.28			
3/18/2019	7.39				7.89		
3/19/2019			7.93			5.6	
3/20/2019							6.29
9/11/2019	7.36		7.55	4.93	8.22	5.35	
9/12/2019		7.48					
9/16/2019							6.09
3/9/2020		7.19	7.51	5.18		5.6	
3/10/2020	7.44						
3/11/2020					8.19		
3/16/2020							6.88
9/11/2020					8		
9/14/2020	7.43	7.54		5		5.32	

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/15/2020			7.64				
9/16/2020							6
3/11/2021	7.53	7.34	7.48	4.95			
3/15/2021					8.05	5.31	
3/17/2021							5.85
5/26/2021	7.39			4.72			
8/4/2021				4.91			
8/5/2021	7.44	7.41	7.45			5.34	
8/9/2021							5.71
8/11/2021					7.98		
10/28/2021		7.34	7.36				
1/31/2022	7.48			4.86			
2/1/2022		7.55	7.54		7.63	5	
2/2/2022							5.9
4/28/2022				5			5.78
8/15/2022	7.58	7.43	7.35	4.89	7.81	5.06	
8/16/2022							5.84
10/21/2022				4.79			
2/14/2023	7.49	7.2	7.38	4.75	7.75	5.15	
2/20/2023							5.78
3/16/2023				4.55			
7/26/2023	7.18			4.31			
7/27/2023		6.73	7.03		7.45	4.47	
7/28/2023							5.06

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					7.53	
3/29/2016	7.54	7.24				
3/30/2016				8.2		6.07
5/24/2016	7.39	7.1		8.07		
5/25/2016					8.04	
5/26/2016						6.44
5/31/2016			7.98			
8/1/2016	7.26	7.07				
8/2/2016			7.64	8.07	7.74	
8/5/2016						6.67
9/26/2016	7.19	7.15			7.4	
9/27/2016			7.18	8.06		
9/28/2016						6.89
11/14/2016		7.15				
11/18/2016	7.04					
11/21/2016			7.49		7.4	6.89
11/22/2016				8.07		
2/1/2017	7.34	7.09	7.2			
2/3/2017					7.05	
2/6/2017				7.88		4.93
4/6/2017	7.49	7.23	7.42	7.86		4.92
4/7/2017					7.14	
6/13/2017	7.38	6.99	7.25		7.52	5.03
6/14/2017				7.66		
7/14/2017			7.5			
10/3/2017	7.39	7.09	7.5		7.38	6.01
10/4/2017				7.84		
1/9/2018				7.86 (Y)		
3/19/2018	7.32					
3/20/2018		6.9	6.76		7.27	4.88
3/21/2018				7.9		
9/17/2018	7.57	6.96				
9/18/2018			7.26	7.92	6.95	5.36 (D)
3/21/2019	7.21	6.82	7.3			5.33
3/27/2019				8.07		
5/6/2019					7.98	
9/13/2019			6.8			
9/16/2019	7.35	6.83		7.9 (D)	7.15	6.03
3/12/2020	7.4	6.88	7.53	8.02		4.82
3/16/2020					7.01	
9/16/2020	7.33	6.99	7.56			
9/17/2020				7.96	7.05	6.39
3/17/2021	7.57	7.03	7.52	8.08		
3/18/2021					6.45	4.78
8/10/2021	7.16	6.65	7.13	7.89	6.99	4.71
2/2/2022	7.4	6.8	7.54	8.13	8.92	4.81
4/28/2022					6.91	
8/17/2022	7.3	6.64	7.34	7.87	6.36	4.57
2/17/2023	7.11	6.41				
2/20/2023			7.4		6.87	
2/21/2023				7.88		4.59
7/28/2023		6.22				

Time Series

Constituent: pH (pH_units) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
7/31/2023	6.86		6.52	7.47	6.52	5.38

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	<0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		<0.005	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
5/19/2016	<0.005		<0.005				
5/20/2016		0.00216 (J)					
5/23/2016						<0.005	
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				<0.005 (D)			
7/29/2016	<0.005	0.001 (J)	<0.005			<0.005	
9/15/2016					<0.005		<0.005
9/22/2016			<0.005			<0.005	
9/23/2016	<0.005	<0.005					
11/2/2016					<0.005		
11/3/2016							<0.005
11/9/2016	<0.005	<0.005					
11/10/2016			<0.005			<0.005	
1/17/2017							<0.005
1/18/2017					<0.005		
1/30/2017	<0.005						
1/31/2017		<0.005	<0.005			<0.005	
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					<0.005		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
5/24/2017							<0.005
6/7/2017					<0.005		
6/8/2017				<0.005 (D)			
6/9/2017	<0.005		<0.005				
6/12/2017		<0.005				<0.005	
7/17/2017				<0.005 (D)			
7/27/2017				<0.005			
8/9/2017				<0.005			
9/26/2017					<0.005		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		0.0016 (J)				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			<0.005	
3/9/2020				<0.005	<0.005		<0.005
3/11/2020	<0.005	0.0021 (J)	<0.005			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		0.0021 (J)	<0.005			
3/17/2021		0.0045 (J)					
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	0.0014 (J)	<0.005				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					<0.005		<0.005
7/27/2023	<0.005	<0.005	<0.005				
8/1/2023						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							<0.005
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	0.00236 (J)	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
5/23/2016							<0.005
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							<0.005
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
9/26/2016							<0.005
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
11/10/2016							<0.005
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
1/30/2017							<0.005
2/22/2017						<0.005	
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						<0.005	<0.005
6/6/2017	<0.005	<0.005		<0.005	<0.005		
6/7/2017			<0.005				
6/12/2017							<0.005
6/14/2017						<0.005 (D)	
7/12/2017						<0.005 (D)	
7/20/2017						<0.005 (D)	
7/28/2017						<0.005	
8/9/2017						<0.005	
8/24/2017						<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							<0.005
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						<0.005 (D)	
9/13/2019							<0.005
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							<0.005
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							<0.005
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							<0.005
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	
7/25/2023	<0.005	<0.005		<0.005	<0.005		
7/26/2023			<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
7/28/2023						<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		<0.005	<0.005				
1/16/2008						<0.005	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		<0.005	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.005						
12/13/2008		<0.005				<0.005	<0.005
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.005	
4/23/2009	<0.005						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	<0.005						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.005	
4/28/2010							<0.005
5/3/2010	<0.005						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	<0.005						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	<0.005						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.005						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	<0.005						
10/2/2012	<0.005					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	<0.005						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	<0.005						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	<0.005		
4/9/2014		<0.005	<0.005				
4/22/2014	<0.005						
10/1/2014	<0.005						<0.005
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005	
3/30/2015	<0.005						
4/1/2015				<0.005	<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	<0.005			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							0.0055
3/28/2016	<0.005						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	0.00286 (J)
5/25/2016	<0.005						
5/26/2016		<0.005	<0.005	<0.005	<0.005		
5/27/2016						<0.005	
5/31/2016							0.00303 (J)
8/1/2016	<0.005						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		0.005 (J)
8/5/2016		<0.005					
9/26/2016	<0.005						
9/28/2016		<0.005	<0.005	<0.005	<0.005		
9/29/2016							0.0074 (J)
9/30/2016						<0.005	
11/11/2016	<0.005						
11/22/2016		<0.005	<0.005	<0.005	<0.005	<0.005	
11/28/2016							0.0073 (J)
1/30/2017	<0.005						
2/7/2017		<0.005	<0.005				
2/8/2017				<0.005	<0.005		
2/9/2017							0.0067 (J)
2/13/2017						<0.005	
4/3/2017	<0.005						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						<0.005	
4/12/2017							0.0048 (J)
6/12/2017	<0.005						
6/14/2017		<0.005	<0.005			<0.005	
6/15/2017				<0.005	<0.005		
6/16/2017							0.007 (J)
10/2/2017	<0.005						

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							0.0048 (J)
3/16/2018	<0.005						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			0.0021 (J)
3/22/2018					<0.005	<0.005	
9/18/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							0.0019 (J)
3/19/2019	<0.005						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	<0.005						
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005 (D)	
9/18/2019							0.0018 (J)
3/11/2020	<0.005						
3/12/2020		<0.005	<0.005	<0.005	<0.005	<0.005	
3/13/2020							0.0019 (J)
9/15/2020	<0.005						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	
9/22/2020							<0.005
3/17/2021	<0.005						
3/18/2021		<0.005	<0.005				0.0021 (J)
3/19/2021				<0.005	<0.005	<0.005	
8/9/2021	<0.005						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	<0.005	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	<0.005						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005
7/28/2023	<0.005						
7/31/2023		<0.005	<0.005				
8/1/2023				<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	<0.005			
1/31/2008	<0.005						
3/5/2008	<0.005	<0.005					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		<0.005	<0.005	<0.005			
12/12/2008	<0.005						
4/16/2009		<0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	<0.005						
10/19/2009			<0.005				
10/20/2009		<0.005		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					0.00622 (J)	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					0.0021 (J)	<0.005 (D)	<0.005 (D)
5/31/2016			<0.005	<0.005			
6/1/2016	<0.005	<0.005					
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
9/29/2016			<0.005				
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
11/23/2016			0.0016 (J)	<0.005			
11/28/2016		<0.005					
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
2/9/2017		<0.005					
2/10/2017			<0.005	<0.005			
2/22/2017	0.0014 (J)						
3/28/2017					0.0033 (J)		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	0.0024 (J)	<0.005		<0.005			
4/12/2017			<0.005				
6/5/2017					0.0068 (J)		
6/7/2017						<0.005	<0.005
6/14/2017		<0.005					
6/15/2017			<0.005	<0.005			
6/16/2017	<0.005						
7/12/2017	0.0019 (J)	<0.005		<0.005			
7/26/2017				<0.005			
7/28/2017	<0.005						
8/10/2017	0.0019 (J)						
9/26/2017					0.0037 (J)		
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					0.0031 (J)	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					0.0042 (J)	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					0.0021 (J)	<0.005 (D)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/18/2019	<0.005						
3/10/2020					0.0063 (J)	<0.005	<0.005
3/13/2020		0.0016 (J)	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		0.0016 (J)	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					0.0036 (J)		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					0.0018 (J)		
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			
7/26/2023					<0.005	<0.005	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	<0.005		<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							0.015 (O)
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							0.0054
4/11/2013							0.0072
10/16/2013							<0.005
4/23/2014							0.0067
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
5/25/2016							<0.005
7/26/2016	0.0009 (J)						
7/27/2016		<0.005	<0.005	0.0009 (J)	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
9/27/2016							<0.005
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
11/11/2016							<0.005
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
1/31/2017							<0.005
3/28/2017	<0.005			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
6/7/2017	<0.005						
6/8/2017		<0.005	<0.005	<0.005	<0.005		
6/9/2017						<0.005	
6/12/2017							<0.005
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							0.0019 (J)
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005
7/26/2023	<0.005			0.0016 (J)			
7/27/2023		<0.005	<0.005		<0.005	<0.005	
7/28/2023							<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		0.00388 (J)
5/24/2016	<0.005	<0.005		<0.005		
5/25/2016					<0.005	
5/26/2016						<0.005
5/31/2016			<0.005			
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
9/26/2016	<0.005	<0.005			<0.005	
9/27/2016			<0.005	<0.005		
9/28/2016						<0.005
11/14/2016		<0.005				
11/18/2016	<0.005					
11/21/2016			<0.005		<0.005	<0.005
11/22/2016				<0.005		
2/1/2017	<0.005	<0.005	<0.005			
2/3/2017					<0.005	
2/6/2017				<0.005		<0.005
4/6/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/7/2017					<0.005	
6/13/2017	<0.005	<0.005	<0.005		<0.005	<0.005
6/14/2017				<0.005		
7/14/2017			<0.005			
10/3/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			<0.005			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	0.0038 (J)	<0.005	<0.005		
3/18/2021					0.0089	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005
7/28/2023		<0.005				
7/31/2023	<0.005		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.005	<0.005	<0.005			<0.005	
10/23/2007	<0.005						
10/24/2007		<0.005	<0.005				
11/2/2007						<0.005	
11/18/2007	<0.005	<0.005	<0.005			<0.005	
1/30/2008	<0.005						
1/31/2008		<0.005	<0.005			<0.005	
3/10/2008	<0.005		<0.005				
3/11/2008		<0.005				<0.005	
5/6/2008		<0.005					
5/13/2008	<0.005		<0.005				
5/14/2008						<0.005	
12/4/2008		<0.005	<0.005				
12/5/2008	<0.005					<0.005	
4/15/2009	<0.005					<0.005	
4/21/2009		<0.005	<0.005				
10/7/2009	<0.005	<0.005					
10/8/2009			<0.005			<0.005	
4/21/2010			<0.005				
4/26/2010		<0.005					
4/28/2010						<0.005	
5/3/2010	<0.005						
9/28/2010			<0.005				
10/4/2010		<0.005					
10/6/2010						<0.005	
10/12/2010	<0.005						
4/12/2011			<0.005				
4/13/2011		<0.005					
4/21/2011						<0.005	
4/27/2011	<0.005						
10/4/2011			<0.005				
10/5/2011		<0.005					
10/13/2011						<0.005	
10/17/2011	<0.005						
4/3/2012			<0.005				
4/11/2012		<0.005					
5/1/2012						<0.005	
5/2/2012	<0.005						
10/8/2012	<0.005						
10/9/2012		<0.005	<0.005			<0.005	
4/11/2013			<0.005			<0.005	
4/12/2013	<0.005						
4/15/2013		<0.005					
10/15/2013		<0.005					
10/16/2013	<0.005		<0.005			<0.005	
4/10/2014			<0.005				
4/11/2014	<0.005						
4/22/2014		<0.005					
4/23/2014						<0.005	
9/30/2014	<0.005	<0.005	<0.005				
10/4/2014						<0.005	
3/30/2015	<0.005	<0.005	<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						<0.005	
10/12/2015						<0.005	
10/13/2015	<0.005	<0.005	<0.005				
3/14/2016					<0.005		
3/15/2016							<0.005
3/22/2016	<0.005						
3/23/2016		<0.005	<0.005			<0.005	
5/11/2016					<0.005		<0.005
5/16/2016				<0.005 (D)			
7/19/2016					<0.005		
7/21/2016							<0.005
7/27/2016				0.0012 (JD)			
7/29/2016	<0.005	<0.005	<0.005			<0.005	
9/15/2016					<0.005		<0.005
11/2/2016					<0.005		
11/3/2016							<0.005
1/17/2017							<0.005
1/18/2017					<0.005		
2/21/2017				<0.005			
3/24/2017							<0.005
3/27/2017				<0.005 (D)			
3/28/2017					<0.005		
3/30/2017	<0.005	<0.005				<0.005	
4/3/2017			<0.005				
9/26/2017					<0.005		<0.005
9/29/2017				<0.005 (D)			
10/2/2017	<0.005	<0.005	<0.005				
10/4/2017						<0.005	
3/14/2018					<0.005		<0.005
3/16/2018	<0.005		<0.005	<0.005			
3/19/2018		<0.005				<0.005	
9/12/2018					<0.005		<0.005
9/14/2018		<0.005	<0.005	<0.005			
9/17/2018	<0.005 (D)					<0.005	
3/13/2019							<0.005
3/14/2019				<0.005			
3/15/2019					<0.005		
3/19/2019			<0.005				
3/20/2019	<0.005	<0.005				<0.005	
9/9/2019					<0.005		<0.005
9/12/2019	<0.005	<0.005 (D)					
9/13/2019			<0.005			<0.005	
3/9/2020				<0.005	<0.005		<0.005
3/11/2020	<0.005	<0.005	<0.005			<0.005	
9/10/2020					<0.005		
9/11/2020							<0.005
9/15/2020	<0.005	<0.005	<0.005				
9/16/2020				<0.005			
3/10/2021							<0.005
3/12/2021					<0.005		
3/16/2021	<0.005		<0.005	<0.005			
3/17/2021		<0.005					

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.005	
8/4/2021					<0.005		<0.005
8/6/2021				<0.005			
8/9/2021	<0.005	<0.005	<0.005			<0.005	
1/31/2022					<0.005		<0.005
2/1/2022	<0.005	<0.005	<0.005				
2/2/2022				<0.005		<0.005	
8/10/2022					<0.005		
8/12/2022							<0.005
8/16/2022	<0.005	<0.005	<0.005	<0.005		<0.005	
2/13/2023					<0.005		<0.005
2/14/2023				<0.005			
2/16/2023	<0.005	<0.005	<0.005				
2/17/2023						<0.005	
7/25/2023				<0.005			
7/26/2023					<0.005		<0.005
7/27/2023	<0.005	<0.005	<0.005				
8/1/2023						<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.005
4/23/2009							<0.005
10/6/2009							<0.005
4/27/2010							<0.005
9/30/2010							<0.005
4/14/2011							<0.005
10/5/2011							<0.005
4/11/2012							<0.005
10/2/2012							<0.005
4/9/2013							<0.005
10/15/2013							<0.005
4/10/2014							0.0025 (J)
10/1/2014							<0.005
3/30/2015							<0.005
10/11/2015							<0.005
3/11/2016			<0.005	<0.005	<0.005		
3/15/2016	<0.005	<0.005					
3/28/2016							<0.005
5/12/2016	<0.005						
5/13/2016		<0.005		<0.005	<0.005		
5/16/2016			<0.005				
7/19/2016				<0.005	<0.005		
7/20/2016	<0.005						
7/21/2016		<0.005					
7/22/2016			<0.005				
8/1/2016							0.0004 (J)
9/15/2016	<0.005						
9/16/2016				<0.005	<0.005		
9/19/2016			<0.005				
9/21/2016		<0.005					
11/2/2016				<0.005	<0.005		
11/3/2016	<0.005	<0.005	<0.005				
1/17/2017		<0.005	<0.005				
1/18/2017	<0.005			<0.005	<0.005		
3/24/2017	<0.005						
3/27/2017		<0.005	<0.005				
3/28/2017				<0.005	<0.005		
4/7/2017						<0.005	0.0005 (J)
9/22/2017				<0.005	<0.005		
9/25/2017	<0.005	<0.005					
9/26/2017			<0.005				
10/2/2017							0.0006 (J)
10/3/2017						<0.005 (D)	
3/14/2018	<0.005	<0.005	<0.005	<0.005			
3/15/2018					<0.005		
3/16/2018							<0.005
3/21/2018						<0.005	
9/12/2018	<0.005	<0.005		<0.005	<0.005		
9/14/2018			<0.005				
9/17/2018							<0.005
9/18/2018						<0.005	
3/13/2019				<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.005	<0.005	<0.005				
3/19/2019							<0.005
3/21/2019						<0.005 (D)	
9/10/2019	<0.005 (D)	<0.005	<0.005				
9/11/2019				<0.005	<0.005		
9/12/2019						<0.005 (D)	
9/13/2019							0.00045 (J)
3/6/2020	<0.005		<0.005				
3/9/2020		<0.005		<0.005	<0.005		
3/11/2020							0.00039 (J)
3/12/2020						<0.005	
9/10/2020	<0.005	<0.005	<0.005				
9/11/2020				<0.005			
9/14/2020					<0.005		
9/16/2020							0.00042 (J)
9/17/2020						<0.005	
3/10/2021		<0.005					
3/11/2021	<0.005		<0.005	<0.005	<0.005		
3/16/2021						<0.005	
3/17/2021							0.00044 (J)
8/4/2021	<0.005	<0.005	<0.005				
8/5/2021					<0.005		
8/6/2021				<0.005			
8/9/2021							<0.005
8/10/2021						<0.005	
1/31/2022	<0.005	<0.005	<0.005	<0.005	<0.005		
2/1/2022							<0.005
2/3/2022						<0.005	
8/10/2022			<0.005		<0.005		
8/11/2022	<0.005	<0.005		<0.005			
8/16/2022							<0.005
8/17/2022						<0.005	
2/13/2023	<0.005	<0.005	<0.005		<0.005		
2/14/2023				<0.005			
2/16/2023							<0.005
2/17/2023						<0.005	
7/25/2023	<0.005	<0.005		<0.005	<0.005		
7/26/2023			<0.005				
7/28/2023						<0.005	0.00044 (J)

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/1/2007		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/18/2007				<0.005	<0.005		
11/19/2007						<0.005	<0.005
11/20/2007		<0.005	<0.005				
1/16/2008						<0.005	
1/30/2008		<0.005	<0.005	<0.005	<0.005		
1/31/2008							<0.005
3/5/2008				<0.005		0.0046	<0.005
3/6/2008		<0.005	<0.005		<0.005		
5/7/2008				<0.005	<0.005		
5/8/2008			<0.005				
5/12/2008		<0.005					<0.005
5/13/2008						<0.005	
12/12/2008	<0.0025						
12/13/2008		<0.005				<0.005	<0.005
12/14/2008			<0.005	<0.005	<0.005		
4/16/2009						<0.005	
4/23/2009	<0.0025						
4/28/2009							<0.005
4/29/2009		<0.005	<0.005	<0.005	<0.005		
10/6/2009	0.0048						
10/20/2009		<0.005					
10/21/2009			<0.005			<0.005	<0.005
10/22/2009				<0.005	<0.005		
4/21/2010			<0.005	<0.005	<0.005		
4/26/2010		<0.005					
4/27/2010						<0.005	
4/28/2010							<0.005
5/3/2010	<0.0025						
9/28/2010			<0.005	<0.005			
9/29/2010		<0.005			<0.005		
10/5/2010						<0.005	<0.005
10/11/2010	<0.0025						
4/12/2011			<0.005	<0.005			
4/13/2011		<0.005			<0.005		
4/19/2011						<0.005	<0.005
4/27/2011	0.004						
10/4/2011			<0.005	<0.005	<0.005		
10/5/2011		<0.005					
10/12/2011						<0.005	
10/18/2011							<0.005
10/19/2011	<0.0025						
4/3/2012			<0.005	<0.005			
4/4/2012		<0.005			<0.005		
4/24/2012						<0.005	
4/25/2012							<0.005
5/1/2012	<0.0025						
10/2/2012	<0.0025					<0.005	<0.005
10/3/2012		<0.005		<0.005	<0.005		
10/8/2012			<0.005				
4/2/2013						<0.005	<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.005	<0.005	<0.005	<0.005		
4/10/2013	<0.0025						
10/8/2013							<0.005
10/9/2013				<0.005	<0.005	<0.005	
10/15/2013		<0.005	<0.005				
10/16/2013	0.0034						
4/1/2014						<0.005	<0.005
4/2/2014				<0.005	<0.005		
4/9/2014		<0.005	<0.005				
4/22/2014	0.0034						
10/1/2014	0.0012 (J)						<0.005
10/2/2014		<0.005	<0.005	<0.005	<0.005	<0.005	
3/30/2015	0.003						
4/1/2015				<0.005	<0.005	<0.005	<0.005
4/2/2015		<0.005	<0.005				
10/10/2015		<0.005					
10/11/2015	0.0018 (J)			<0.005	<0.005		
10/12/2015			<0.005				
10/14/2015						<0.005	
10/15/2015							<0.005
3/28/2016	0.0022 (J)						
3/31/2016		<0.005	<0.005				
4/4/2016				<0.005	<0.005	<0.005	<0.005
8/1/2016	0.0016 (J)						
8/3/2016			<0.005	<0.005		<0.005	
8/4/2016					<0.005		<0.005
8/5/2016		<0.005					
4/3/2017	0.0022 (J)						
4/10/2017		<0.005	<0.005	<0.005	<0.005		
4/11/2017						<0.005	
4/12/2017							<0.005
10/2/2017	0.0021 (J)						
10/4/2017		<0.005	<0.005	<0.005	<0.005	<0.005	
10/9/2017							<0.005
3/16/2018	0.0023 (J)						
3/20/2018		<0.005					
3/21/2018			<0.005	<0.005			<0.005
3/22/2018					<0.005	<0.005	
9/18/2018	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	
9/19/2018							<0.005
3/19/2019	0.0017 (J)						
3/22/2019		<0.005	<0.005				
3/23/2019				<0.005	<0.005	<0.005	<0.005
9/12/2019	0.0028 (J)						
9/17/2019		<0.005	<0.005	<0.005	<0.005	<0.005 (D)	
9/18/2019							<0.005
3/11/2020	0.0013 (J)						
3/12/2020		<0.005	<0.005	<0.005	<0.005	<0.005	
3/13/2020							<0.005
9/15/2020	0.0012 (J)						
9/17/2020		<0.005	<0.005				
9/21/2020				<0.005	<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.005
3/17/2021	0.0026 (J)						
3/18/2021		<0.005	<0.005				<0.005
3/19/2021				<0.005	<0.005	<0.005	
8/9/2021	0.0015 (J)						
8/10/2021		<0.005					
8/11/2021			<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	0.0012 (J)					<0.005	
2/4/2022		<0.005	<0.005	<0.005	<0.005		
2/17/2022							<0.005
8/17/2022	0.0021 (J)	<0.005					
8/18/2022			<0.005	<0.005	<0.005	<0.005	<0.005
2/16/2023	0.0011 (J)						
2/20/2023		<0.005	<0.005	<0.005	<0.005		
2/21/2023						<0.005	
2/22/2023							<0.005
7/28/2023	0.00091 (J)						
7/31/2023		<0.005	<0.005				
8/1/2023				<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.005						
8/23/2007			<0.005				
8/24/2007		<0.005		<0.005			
11/1/2007	<0.005						
11/2/2007		<0.005	<0.005	<0.005			
11/17/2007		<0.005	<0.005				
11/18/2007				<0.005			
11/19/2007	<0.005						
1/15/2008		<0.005	<0.005	<0.005			
1/31/2008	<0.005						
3/5/2008	<0.005	<0.005					
3/6/2008			<0.005				
3/10/2008				<0.005			
5/7/2008	<0.005	<0.005	<0.005				
5/13/2008				<0.005			
12/2/2008		<0.005	<0.005	<0.005			
12/12/2008	<0.005						
4/16/2009		<0.005					
4/28/2009			<0.005	<0.005			
4/29/2009	0.0026						
10/19/2009			<0.005				
10/20/2009		<0.005		<0.005			
10/21/2009	<0.005						
4/20/2010		<0.005					
4/27/2010			<0.005	<0.005			
4/28/2010	<0.005						
9/29/2010		<0.005					
10/4/2010			<0.005				
10/5/2010				<0.005			
10/6/2010	<0.005						
4/12/2011		<0.005					
4/18/2011			<0.005				
4/19/2011				<0.005			
4/20/2011	<0.005						
10/4/2011		<0.005					
10/12/2011	<0.005		<0.005	<0.005			
4/4/2012		<0.005					
4/23/2012			<0.005				
4/25/2012	<0.005			<0.005			
10/2/2012	<0.005						
10/10/2012		<0.005	<0.005	<0.005			
4/2/2013	<0.005						
4/15/2013		<0.005	<0.005				
4/16/2013				<0.005			
10/8/2013	<0.005						
10/22/2013		<0.005	<0.005	<0.005			
4/1/2014	<0.005						
4/21/2014		<0.005	<0.005	<0.005			
9/30/2014		<0.005	<0.005	<0.005			
10/1/2014	<0.005						
3/31/2015	<0.005						
4/3/2015		<0.005	<0.005	<0.005			

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.005			
10/7/2015		<0.005	<0.005				
10/14/2015	<0.005						
3/16/2016					<0.005	<0.005	<0.005
4/4/2016	<0.005						
4/5/2016		<0.005	<0.005	<0.005			
5/16/2016					<0.005	<0.005 (D)	<0.005 (D)
7/25/2016					<0.005	<0.005 (D)	<0.005 (D)
8/4/2016			<0.005				
8/9/2016		<0.005					
9/19/2016					<0.005	<0.005 (D)	<0.005 (D)
11/3/2016					<0.005		<0.005 (D)
11/4/2016						<0.005 (D)	
1/19/2017					<0.005		
1/20/2017							<0.005 (D)
1/23/2017						<0.005 (D)	
3/28/2017					<0.005		
3/29/2017						<0.005 (D)	<0.005 (D)
4/11/2017	<0.005	<0.005		<0.005			
4/12/2017			<0.005				
9/26/2017					<0.005		
9/27/2017						<0.005	<0.005
10/5/2017		<0.005					
10/6/2017	<0.005		<0.005	<0.005			
3/15/2018					<0.005	<0.005	<0.005
3/22/2018		<0.005					
3/23/2018	<0.005		<0.005	<0.005			
9/12/2018					<0.005		
9/13/2018						<0.005	<0.005
9/19/2018		<0.005	<0.005	<0.005			
9/20/2018	<0.005						
3/14/2019					<0.005	<0.005 (D)	<0.005 (D)
3/22/2019	<0.005	<0.005		<0.005			
3/25/2019			<0.005				
9/11/2019					<0.005	<0.005 (D)	<0.005 (D)
9/17/2019		<0.005	<0.005	<0.005			
9/18/2019	<0.005						
3/10/2020					<0.005	<0.005	<0.005
3/13/2020		<0.005	<0.005	<0.005			
3/17/2020	<0.005						
9/11/2020						<0.005	<0.005
9/15/2020					<0.005		
9/21/2020		<0.005	<0.005	<0.005			
9/22/2020	<0.005						
3/11/2021					<0.005	<0.005	<0.005
3/18/2021		<0.005	<0.005	<0.005			
3/19/2021	<0.005						
8/4/2021					<0.005		
8/6/2021						<0.005	<0.005
8/11/2021		<0.005	<0.005	<0.005			
8/12/2021	<0.005						
1/31/2022					<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.005	<0.005
2/4/2022	<0.005	<0.005	<0.005				
2/7/2022				<0.005			
8/12/2022						<0.005	<0.005
8/15/2022					<0.005		
8/18/2022		<0.005					
8/19/2022	<0.005		<0.005	<0.005			
2/14/2023					<0.005	<0.005	<0.005
2/22/2023	<0.005	<0.005	<0.005	<0.005			
7/26/2023					<0.005	<0.005	<0.005
8/1/2023		<0.005		<0.005			
8/2/2023	<0.005		<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							<0.005
10/25/2007							<0.005
11/19/2007							<0.005
1/23/2008							<0.005
3/11/2008							<0.005
5/12/2008							<0.005
12/11/2008							<0.005
4/15/2009							<0.005
10/9/2009							<0.005
5/4/2010							<0.005
10/12/2010							<0.005
4/28/2011							<0.005
10/19/2011							<0.005
5/2/2012							<0.005
10/9/2012							<0.005
4/11/2013							<0.005
10/16/2013							<0.005
4/23/2014							<0.005
10/3/2014							<0.005
3/31/2015							<0.005
10/12/2015							<0.005
3/10/2016	<0.005	<0.005	<0.005	<0.005			
3/17/2016					<0.005	<0.005	
3/28/2016							<0.005
5/17/2016	<0.005			<0.005			
5/18/2016		<0.005	<0.005		<0.005	<0.005	
7/26/2016	<0.005						
7/27/2016		<0.005	<0.005	<0.005	<0.005		
7/28/2016						<0.005	
8/1/2016							<0.005
9/20/2016	<0.005	<0.005	<0.005	<0.005			
9/21/2016					<0.005	<0.005	
11/4/2016	<0.005		<0.005	<0.005	<0.005		
11/7/2016		<0.005				<0.005	
1/20/2017	<0.005		<0.005				
1/23/2017		<0.005		<0.005			
1/24/2017					<0.005	<0.005	
3/28/2017	<0.005			<0.005			
3/29/2017		<0.005	<0.005		<0.005		
3/30/2017						<0.005	
4/3/2017							<0.005
9/27/2017		<0.005	<0.005				
9/29/2017	<0.005			<0.005	<0.005	<0.005	
10/3/2017							<0.005
3/15/2018	<0.005	<0.005		<0.005	<0.005	<0.005	
3/16/2018			<0.005				
3/19/2018							<0.005
9/13/2018	<0.005	<0.005	<0.005	<0.005	<0.005		
9/14/2018						<0.005	
9/17/2018							<0.005
3/15/2019		<0.005		<0.005			
3/18/2019	<0.005				<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.005			<0.005	
3/20/2019							<0.005
9/11/2019	<0.005		<0.005	<0.005 (D)	<0.005	<0.005	
9/12/2019		<0.005					
9/16/2019							<0.005
3/9/2020		<0.005	<0.005	<0.005		<0.005	
3/10/2020	<0.005						
3/11/2020					<0.005		
3/16/2020							<0.005
9/11/2020					<0.005		
9/14/2020	<0.005	<0.005		<0.005		<0.005	
9/15/2020			<0.005				
9/16/2020							<0.005
3/11/2021	<0.005	<0.005	<0.005	<0.005			
3/15/2021					<0.005	<0.005	
3/17/2021							<0.005
8/4/2021				<0.005			
8/5/2021	<0.005	<0.005	<0.005			<0.005	
8/9/2021							<0.005
8/11/2021					<0.005		
1/31/2022	<0.005			<0.005			
2/1/2022		<0.005	<0.005		<0.005	<0.005	
2/2/2022							<0.005
8/15/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/16/2022							<0.005
2/14/2023	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
2/20/2023							<0.005
7/26/2023	<0.005			<0.005			
7/27/2023		<0.005	<0.005		<0.005	<0.005	
7/28/2023							<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.005					
8/23/2007						<0.005
10/25/2007	<0.005					
11/1/2007						<0.005
11/19/2007						<0.005
11/20/2007	<0.005					
1/15/2008						<0.005
1/23/2008	<0.005					
3/6/2008						<0.005
3/11/2008	<0.005					
5/13/2008						<0.005
5/14/2008	<0.005					
12/11/2008	<0.005					
12/12/2008						<0.005
4/16/2009						<0.005
4/23/2009	<0.005					
10/9/2009	<0.005					
10/13/2009						<0.005
4/21/2010						<0.005
5/4/2010	<0.005					
9/29/2010						<0.005
10/11/2010	<0.005					
4/13/2011						<0.005
4/26/2011	<0.005					
10/5/2011						<0.005
10/18/2011	<0.005			<0.005		
4/4/2012						<0.005
4/30/2012				<0.005		
5/2/2012	<0.005					
10/3/2012				<0.005		
10/8/2012	<0.005					<0.005
4/8/2013				<0.005		<0.005
4/10/2013	<0.005					
10/8/2013	<0.005					
10/9/2013				<0.005		<0.005
4/9/2014						<0.005
4/10/2014				<0.005		
4/14/2014	<0.005					
9/30/2014						<0.005
10/2/2014				<0.005		
10/3/2014	<0.005					
4/1/2015	<0.005					
4/2/2015						<0.005
4/3/2015				<0.005		
5/26/2015		<0.005			<0.005	
6/18/2015		<0.005 (D)			<0.005 (D)	
7/2/2015		<0.005			<0.005	
10/8/2015				<0.005	<0.005	
10/9/2015	<0.005	<0.005				
10/10/2015						<0.005 (D)
3/22/2016					<0.005	
3/29/2016	<0.005	<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.005		<0.005
8/1/2016	<0.005	<0.005				
8/2/2016			<0.005	<0.005	<0.005	
8/5/2016						<0.005
4/6/2017	<0.005	<0.005	<0.005	<0.005		<0.005
4/7/2017					<0.005	
10/3/2017	<0.005	<0.005	<0.005		<0.005	<0.005
10/4/2017				<0.005		
3/19/2018	<0.005					
3/20/2018		<0.005	<0.005		<0.005	<0.005
3/21/2018				<0.005		
9/17/2018	<0.005	<0.005				
9/18/2018			<0.005	<0.005	<0.005	<0.005 (D)
3/21/2019	<0.005	<0.005	<0.005			<0.005
3/27/2019				<0.005		
5/6/2019					<0.005	
9/13/2019			<0.005			
9/16/2019	<0.005	<0.005		<0.005 (D)	<0.005	<0.005
3/12/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/16/2020					<0.005	
9/16/2020	<0.005	<0.005	<0.005			
9/17/2020				<0.005	<0.005	<0.005
3/17/2021	<0.005	<0.005	<0.005	<0.005		
3/18/2021					<0.005	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/2/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/17/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
2/17/2023	<0.005	<0.005				
2/20/2023			<0.005		<0.005	
2/21/2023				<0.005		<0.005
7/28/2023		<0.005				
7/31/2023	<0.005		<0.005	<0.005	<0.005	<0.005

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					4.2598		
3/15/2016							1.2104
3/22/2016	2.3685						
3/23/2016		105.552	26.8249			0.8724 (J)	
5/11/2016					6.05		1.28
5/16/2016				2.4 (D)			
5/19/2016	2.14		3.81				
5/20/2016		44.3					
5/23/2016						0.805 (J)	
7/19/2016					9.5		
7/21/2016							0.91 (J)
7/27/2016				3.6 (D)			
7/29/2016	1.9	48	1.1			0.84 (J)	
9/15/2016					6.7		
9/19/2016							1.3
9/22/2016			0.96 (J)			0.94 (J)	
9/23/2016	2	43					
11/2/2016					5.4		
11/3/2016							1.5
11/9/2016	1.6	31					
11/10/2016			0.72 (J)			1.1	
1/17/2017							<1.2 (*)
1/18/2017					5.5		
1/30/2017	1.8						
1/31/2017		4.2	1.5			0.92 (J)	
2/21/2017				26 (D)			
3/24/2017							0.86 (J)
3/27/2017				10 (D)			
3/28/2017					2.9		
3/30/2017	1.6	53				0.77 (J)	
4/3/2017			1.3				
5/24/2017							1.2
6/7/2017					2.3		
6/8/2017				6.7 (D)			
6/9/2017	1.7		1.2				
6/12/2017		95				0.68 (J)	
7/17/2017				6.4 (D)			
7/27/2017				18 (D)			
8/9/2017				18 (D)			
9/26/2017					3.2		4.2
9/29/2017				21 (D)			
10/2/2017	1.8	3.5	1.7				
10/4/2017						0.5 (J)	
12/28/2017							7.4 (Y)
3/14/2018					3.8		3.8
3/16/2018	1.5		14.8 (J)	15.5			
3/19/2018		147				0.49 (J)	
9/12/2018					3.7		1.7
9/14/2018		7.7	2.1	11.6			
9/17/2018	1.3 (D)					0.36 (J)	
3/13/2019							2.1
3/14/2019				9.3			

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/15/2019					3		
3/19/2019			32.5 (J)				
3/20/2019	1.5	3.6				0.38 (J)	
9/9/2019					2.4		1.6
9/10/2019				14			
9/12/2019	0.98 (J)	5.2					
9/13/2019			3.8			<1	
3/9/2020				5.8	0.84 (J)		1.2
3/11/2020	0.94 (J)	131	34.3			<1	
9/10/2020					0.95 (J)		
9/11/2020							1.3
9/15/2020	0.96 (J)	35.3	1				
9/16/2020				8.6			
3/10/2021							1.5
3/12/2021					2		
3/16/2021	0.99 (J)		3.3	3.5			
3/17/2021		90.7					
3/29/2021						5.4	
8/4/2021					1.3		1.4
8/6/2021				4.2			
8/9/2021	1.3	84.7	1.6			5	
1/31/2022					1.2		1.2
2/1/2022	0.93 (J)	86.1	1.5				
2/2/2022				4.5		3.4	
8/10/2022					1.3		
8/12/2022							1.2
8/16/2022	0.78 (J)	58.5	7.8	4.5		3.5	
2/13/2023					1.7		1.4
2/14/2023				6.3			
2/16/2023	1.1	115	38.9				
2/17/2023						2.5	
7/25/2023				4.9			
7/26/2023					1.5		1.4
7/27/2023	1.4	44	17.6				
8/1/2023						3	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			1.4538	1.1313	3.8282		
3/15/2016	4.9347	6.4987					
3/28/2016							0.7283 (J)
5/12/2016	2.3						
5/13/2016		3.68		1.96	3.56		
5/16/2016			1.18				
5/23/2016							0.728 (J)
7/19/2016				1.3	5.6		
7/20/2016	2						
7/21/2016		4.5					
7/22/2016			1.8				
8/1/2016							0.78 (J)
9/15/2016	1.1						
9/16/2016				1.1	6.7		
9/19/2016			1.4				
9/21/2016		2.8					
9/26/2016							0.82 (J)
11/2/2016				1.2	8.1		
11/3/2016	1.6	6.7	1.6				
11/10/2016							0.92 (J)
1/17/2017		<1.1 (*)	<1.8 (*)				
1/18/2017	1.5			0.84 (J)	8.9		
1/30/2017							<1
2/22/2017						22 (D)	
3/24/2017	1.6						
3/27/2017		0.85 (J)	2				
3/28/2017				0.7 (J)	8.2		
4/7/2017						18 (D)	0.82 (J)
6/6/2017	4.1	6.1		0.47 (J)	7		
6/7/2017			1.9				
6/12/2017							0.78 (J)
6/14/2017						20 (D)	
7/12/2017						18 (D)	
7/20/2017						20 (D)	
7/28/2017						18 (D)	
8/9/2017						19 (D)	
8/24/2017						21 (D)	
9/22/2017				0.59 (J)	8.3		
9/25/2017	1.9	3.5					
9/26/2017			2				
10/2/2017							0.71 (J)
10/3/2017						25 (D)	
12/28/2017						26 (Y)	
3/14/2018	11.5	10.9 (J)	2.1	0.39 (J)			
3/15/2018					5.1		
3/16/2018							0.67 (J)
3/21/2018						25.4	
9/12/2018	1.8	3.7		0.3 (J)	5.6		
9/14/2018			1.6				
9/17/2018							0.47 (J)
9/18/2018						22.8	
3/13/2019				0.43 (X)	4.4		

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	6.2	8.9	2.2				
3/19/2019							0.52 (J)
3/21/2019						24.9 (D)	
9/10/2019	1.2	8.4	1.2				
9/11/2019				<1	5		
9/12/2019						16.5 (D)	
9/13/2019							0.55 (J)
3/6/2020	10		1.7				
3/9/2020		8.5		<1	3.9		
3/11/2020							<1
3/12/2020						20.8	
9/10/2020	1.7	5.9	0.95 (J)				
9/11/2020				<1			
9/14/2020					4.9		
9/16/2020							<1
9/17/2020						20.3	
3/10/2021		8.4					
3/11/2021	6.1		1.6	<1	4.3		
3/16/2021						22.1	
3/17/2021							<1
8/4/2021	1.7	6.4	1.4				
8/5/2021					2.9		
8/6/2021				<1			
8/9/2021							<1
8/10/2021						20.7	
1/31/2022	1.8	8.5	1.1	<1	2.5		
2/1/2022							<1
2/3/2022						20.7	
8/10/2022			1		2.5		
8/11/2022	1.9	4.7		<1			
8/16/2022							<1
8/17/2022						18.1	
2/13/2023	6	10.2	1.6		2.5		
2/14/2023				<1			
2/16/2023							<1
2/17/2023						21.2	
7/25/2023	1.1	3		<1	2.6		
7/26/2023			1.1				
7/28/2023						19.6	0.53 (J)

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	0.9594 (J)						
3/31/2016		1.17	1.5				
4/4/2016				2.57	2.99	0.3574 (J)	24.8
5/25/2016	1.59						
5/26/2016		1.01	1.51	2.5	2.68		
5/27/2016						<1	
5/31/2016							42.5
8/1/2016	1						
8/3/2016			1.4	3		0.35 (J)	
8/4/2016					3.6		91
8/5/2016		1.1					
9/26/2016	1.2						
9/28/2016		1	1.6	2.3	4.4		
9/29/2016							110
9/30/2016						0.47 (J)	
11/11/2016	1.2						
11/22/2016		1.8	1.6	3.8	3.8	0.36 (J)	
11/28/2016							120
1/30/2017	<1						
2/7/2017		1.7	2				
2/8/2017				3.1	2.7		
2/9/2017							150
2/13/2017						0.79 (J)	
4/3/2017	1.3						
4/10/2017		1.9	1.7	2.5	2.2		
4/11/2017						0.42 (J)	
4/12/2017							120
6/12/2017	1.1						
6/14/2017		1.1	1.4			0.3 (J)	
6/15/2017				2.5	2.3		
6/16/2017							120
10/2/2017	1.1						
10/4/2017		1.8	1.4	2.5	2.8	0.36 (J)	
10/9/2017							130
3/16/2018	0.87 (J)						
3/20/2018		1.4					
3/21/2018			1.1	2.4			59.1
3/22/2018					2.2	0.3 (J)	
9/18/2018	0.87 (J)	1.6	1.9	2.8	2.6	<1	
9/19/2018							64.5
3/19/2019	0.97 (J)						
3/22/2019		1.6	1.3				
3/23/2019				2.1	2.1	0.3 (J)	15.5 (J)
9/12/2019	0.8 (J)						
9/17/2019		1.2	1.6	2.6	2	<1 (D)	
9/18/2019							50.7
3/11/2020	0.85 (J)						
3/12/2020		1.3	0.99 (J)	1.8	1.5	<1	
3/13/2020							16.9
9/15/2020	0.54 (J)						
9/17/2020		0.87 (J)	0.95 (J)				
9/21/2020				2	1.8	<1	

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							39.6
3/17/2021	0.86 (J)						
3/18/2021		1.2	0.96 (J)				19.3
3/19/2021				1.9	1.5	<1	
8/9/2021	0.77 (J)						
8/10/2021		1.3					
8/11/2021			1	1.4	1.5	<1	9.7
2/2/2022	0.53 (J)					<1	
2/4/2022		1.2	1.1	1.7	1.5		
2/17/2022							6.9
8/17/2022	0.55 (J)	1.1					
8/18/2022			1.5 (J)	1.6	1.9	<1	16
2/16/2023	0.58 (J)						
2/20/2023		1.5	1.5	1.7	1.8		
2/21/2023						<1	
2/22/2023							8.7
7/28/2023	0.71 (J)						
7/31/2023		1.6	1.3				
8/1/2023				2.1	1.9	<1	28.8

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					14.7828	0.6294 (J)	2.8721
4/4/2016	17.5						
4/5/2016		1.65	7.45	10.1			
5/16/2016					10.2	0.5151 (JD)	2.27 (D)
5/31/2016			7.29	12.1			
6/1/2016	20.9	1.75					
7/25/2016					8.4	0.84 (J*D)	2.6 (D)
8/4/2016			7.6				
9/19/2016					2.5	0.72 (JD)	2.8 (D)
9/29/2016			6.1				
11/3/2016					3.3		2.6 (D)
11/4/2016						0.75 (JD)	
11/23/2016			10	1.3			
11/28/2016		2.7					
1/19/2017					3.2		
1/20/2017							2.8 (D)
1/23/2017						0.99 (JD)	
2/9/2017		2.7					
2/10/2017			6.7	4.2			
2/22/2017	48						
3/28/2017					16 (J)		
3/29/2017						1.5 (D)	3.1 (D)
4/11/2017	41	4.9		3.2			
4/12/2017			9.2				
6/5/2017					38		
6/7/2017						0.63 (J)	3.2
6/14/2017		2.4					
6/15/2017			9.2	2.5			
6/16/2017	33						
7/12/2017	58	4.1		6.9			
7/20/2017					48		
7/26/2017				2.9			
7/28/2017	55						
8/10/2017	66						
9/26/2017					18		
9/27/2017						1.2	2.5
10/5/2017		1.6					
10/6/2017	77		10	6.6			
3/15/2018					32.4	0.75 (J)	2.9
3/22/2018		2.5					
3/23/2018	75.8		10.6	1.6			
9/12/2018					16		
9/13/2018						1.3	2.3
9/19/2018		1.7	10.4	2.6			
9/20/2018	72.2						
3/14/2019					79.7 (O)	0.72 (JXD)	4.3 (D)
3/22/2019	57.9	6.2		2.1			
3/25/2019			11.2				
9/11/2019					19.8	<1 (D)	2.6 (D)
9/17/2019		6.1	13.1	1.6			
9/18/2019	68.1						
3/10/2020					48.5	0.61 (J)	5.2

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/13/2020		11.1	8.8	1.1			
3/17/2020	72.1						
9/11/2020						<1	2.8
9/15/2020					23.1		
9/21/2020		5.5	9	0.9 (J)			
9/22/2020	69.8						
3/11/2021					35.5	<1	4.2
3/18/2021		7.8	10.4	0.76 (J)			
3/19/2021	74.2						
8/4/2021					35.1		
8/6/2021						<1	4
8/11/2021		6.9	9.1	0.65 (J)			
8/12/2021	56.7						
1/31/2022					29.7		
2/1/2022						<1	6.1
2/4/2022	63.1	6.4	8.3				
2/7/2022				0.64 (J)			
8/12/2022						<1	3.6
8/15/2022					27.6		
8/18/2022		9.2					
8/19/2022	65.7		6.9	0.87 (J)			
2/14/2023					33.8	<1	10.1
2/22/2023	59.7	10.7	7.5	0.81 (J)			
7/26/2023					8.1	0.74 (J)	3.5
8/1/2023		6.6		0.73 (J)			
8/2/2023	55.5		4.7				

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	5.7554	3.4409	9.1279	2.6569			
3/17/2016					3.4197	5.3658	
3/28/2016							1.87
5/17/2016	8.67			2.39			
5/18/2016		4.09	10.1		3.06	4.44	
5/25/2016							1.41
7/26/2016	6.6						
7/27/2016		4	7	<1.6 (*)	2.6		
7/28/2016						9.9	
8/1/2016							1.5
9/20/2016	5.8	4.3	6.7	2.4			
9/21/2016					3.1	2.2	
9/27/2016							1.4
11/4/2016	6.1		7.9	2.1	3.1		
11/7/2016		4.1				2.2	
11/11/2016							1.5
1/20/2017	7		6.6				
1/23/2017		5.1		2.1			
1/24/2017					3	1.5	
1/31/2017							1.8
3/28/2017	7.7			2.1			
3/29/2017		5.2	6.2		2.5		
3/30/2017						1.7	
4/3/2017							1.5
6/7/2017	6.4						
6/8/2017		3.8	7.5	1.3	3.3		
6/9/2017						1.7	
6/12/2017							2.1
9/27/2017		4.3	7.5				
9/29/2017	8.4			3.7	4.2	2.2	
10/3/2017							1.4
12/28/2017				1.7 (Y)	3.8 (Y)		
3/15/2018	6.4	3.7		0.76 (J)	3.1	2.4	
3/16/2018			13.4				
3/19/2018							1.3
9/13/2018	7.2	4.8	11.6	1.6	3.6		
9/14/2018						2.4	
9/17/2018							1.3
3/15/2019		4.2		1.7			
3/18/2019	4.4				5.8		
3/19/2019			14.8			2.2	
3/20/2019							1.3
9/11/2019	7		10.7	0.86 (X)	5.7	1.5	
9/12/2019		4.7					
9/16/2019							1.2
3/9/2020		4.3	10.4	1.6		1.5	
3/10/2020	5.5						
3/11/2020					3.3		
3/16/2020							1.1
9/11/2020					2.1		
9/14/2020	6.9	4.3		5.4		1.2	
9/15/2020			9.6				

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/16/2020							1.1
3/11/2021	6.7	4.7	10.4	15.4			
3/15/2021					2.6	1.5	
3/17/2021							1.1
5/26/2021				20.2			
8/4/2021				1.5			
8/5/2021	6	4.3	10.3			1.1	
8/9/2021							1.2
8/11/2021					2.4		
1/31/2022	5.2			1.2			
2/1/2022		4.3	9.4		2.5	0.93 (J)	
2/2/2022							1
8/15/2022	5.6	8.4 (J)	4.3	10.4	2.5	0.98 (J)	
8/16/2022							1
2/14/2023	4.7	4.3	12.7	3	1.8	0.84 (J)	
2/20/2023							1.4
7/26/2023	4			5.3			
7/27/2023		5	10.9		2.3	0.97 (J)	
7/28/2023							1.4

Time Series

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					3.9321	
3/29/2016	3.5801	1.4863				
3/30/2016				1.9542		2
5/24/2016	2.79	1.62		0.989 (J)		
5/25/2016					2.68	
5/26/2016						2.93
5/31/2016			2.03			
8/1/2016	2.2	2.3				
8/2/2016			0.96 (J)	1	2.7	
8/5/2016						3.6
9/26/2016	1.8	2.4			2.9	
9/27/2016			0.87 (J)	0.95 (J)		
9/28/2016						3.2
11/14/2016		2.8				
11/18/2016	1.8					
11/21/2016			0.93 (J)		2.8	3.3
11/22/2016				1.1		
2/1/2017	2.8	2.6	0.76 (J)			
2/3/2017					2.7	
2/6/2017				0.96 (J)		1.3
4/6/2017	<2.5	<2.3	<1	<1		<1.2
4/7/2017					2.3	
6/13/2017	2.8	2.2	0.58 (J)		2	2
6/14/2017				0.97 (J)		
7/14/2017			0.04 (J)			
10/3/2017	2.6	2.6	0.87 (J)		1.9	2.8
10/4/2017				0.84 (J)		
3/19/2018	2.6					
3/20/2018		2.5	0.5 (J)		1.6	1.2
3/21/2018				1.2		
9/17/2018	2.2	2.5				
9/18/2018			0.65 (J)	0.9 (J)	1.6	2.6
3/21/2019	2.7	1.7	1.9			2.3
3/27/2019				1.5		
5/6/2019					2.1	
9/13/2019			0.76 (J)			
9/16/2019	2	1.6		0.69 (JD)	1	3
3/12/2020	2.1	1.4	1.7	1.8		1.1
3/16/2020					0.66 (J)	
9/16/2020	1.8	1.3	1.1			
9/17/2020				0.6 (J)	0.74 (J)	3.5
3/17/2021	2.2	1.8	1.3	0.72 (J)		
3/18/2021					1.1	2.1
8/10/2021	1.7	1.4	1.1	0.64 (J)	0.72 (J)	1.7
2/2/2022	1.7	1.5	1.3	0.72 (J)	0.72 (J)	2.5
8/17/2022	1.6	1.2	0.91 (J)	0.53 (J)	0.58 (J)	2.5
2/17/2023	2	1.8				
2/20/2023			1.7		1.1	
2/21/2023				1.7		3
7/28/2023		1.7				
7/31/2023	1.7		1.1	0.86 (J)	0.81 (J)	4.1

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/30/2015			7E-05				
10/12/2015						<0.001	
10/13/2015	<0.001	<0.001	<0.001				
3/14/2016					<0.001		
3/15/2016							<0.001
3/22/2016	<0.001						
3/23/2016		<0.001	<0.001			<0.001	
5/11/2016					<0.001		<0.001
5/16/2016				<0.001 (D)			
5/19/2016	<0.001		<0.001				
5/20/2016		<0.001					
5/23/2016						<0.001	
7/19/2016					<0.001 (*)		
7/21/2016							<0.001
7/27/2016				0.0002 (JD)			
7/29/2016	<0.001	<0.001	<0.001			<0.001	
9/15/2016					<0.001		<0.001
9/22/2016			<0.001			<0.001	
9/23/2016	<0.001	<0.001					
11/2/2016					<0.001		
11/3/2016							<0.001
11/9/2016	<0.001	<0.001					
11/10/2016			<0.001			<0.001	
1/17/2017							<0.001
1/18/2017					<0.001		
1/30/2017	<0.001						
1/31/2017		<0.001	<0.001			<0.001	
2/21/2017				<0.001			
3/24/2017							<0.001
3/27/2017				<0.001 (D)			
3/28/2017					5E-05 (J)		
3/30/2017	<0.001	<0.001				<0.001	
4/3/2017			<0.001				
5/24/2017							<0.001
6/7/2017					<0.001		
6/8/2017				<0.001 (D)			
6/9/2017	<0.001		<0.001				
6/12/2017		<0.001				<0.001	
7/17/2017				<0.001 (D)			
7/27/2017				<0.001			
8/9/2017				<0.001			
9/26/2017					7E-05 (J)		<0.001
9/29/2017				<0.001 (D)			
10/2/2017	<0.001	<0.001	<0.001				
10/4/2017						<0.001	
3/14/2018					<0.001		<0.001
3/16/2018	<0.001		<0.001	<0.001			
3/19/2018		<0.001				<0.001	
9/12/2018					<0.001		<0.001
9/14/2018		<0.001	<0.001	<0.001			
9/17/2018	<0.001 (D)					<0.001	
3/13/2019							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2019				<0.001			
3/15/2019					<0.001		
3/19/2019			<0.001				
3/20/2019	<0.001	<0.001				<0.001	
9/9/2019					<0.001		<0.001
9/12/2019	<0.001	<0.001 (D)					
9/13/2019			6.2E-05 (J)			<0.001	
3/9/2020				<0.001	<0.001		7.8E-05 (J)
3/11/2020	<0.001	<0.001	<0.001			<0.001	
9/10/2020					<0.001		
9/11/2020							<0.001
9/15/2020	<0.001	<0.001	<0.001				
9/16/2020				<0.001			
3/10/2021							<0.001
3/12/2021					<0.001		
3/16/2021	<0.001		<0.001	<0.001			
3/17/2021		<0.001					
3/29/2021						<0.001	
8/4/2021					<0.001		<0.001
8/6/2021				<0.001			
8/9/2021	<0.001	<0.001	<0.001			<0.001	
1/31/2022					<0.001		<0.001
2/1/2022	<0.001	<0.001	<0.001				
2/2/2022				<0.001		<0.001	
8/10/2022					<0.001		
8/12/2022							<0.001
8/16/2022	<0.001	<0.001	<0.001	<0.001		<0.001	
2/13/2023					<0.001		<0.001
2/14/2023				<0.001			
2/16/2023	<0.001	<0.001	<0.001				
2/17/2023						<0.001	
7/25/2023				<0.001			
7/26/2023					<0.001		<0.001
7/27/2023	<0.001	<0.001	<0.001				
8/1/2023						<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
10/11/2015							<0.001
3/11/2016			<0.001	<0.001	<0.001		
3/15/2016	<0.001	<0.001					
3/28/2016							<0.001
5/12/2016	<0.001						
5/13/2016		<0.001		<0.001	<0.001		
5/16/2016			<0.001				
5/23/2016							<0.001
7/19/2016				<0.001 (*)	<0.001		
7/20/2016	<0.001						
7/21/2016		<0.001					
7/22/2016			0.0002 (J)				
8/1/2016							<0.001
9/15/2016	<0.001						
9/16/2016				<0.001	<0.001		
9/19/2016			<0.001				
9/21/2016		<0.001					
9/26/2016							<0.001
11/2/2016				<0.001	<0.001		
11/3/2016	<0.001	<0.001	<0.001				
11/10/2016							<0.001
1/17/2017		<0.001	<0.001				
1/18/2017	<0.001			<0.001	<0.001		
1/30/2017							<0.001
2/22/2017						<0.001	
3/24/2017	<0.001						
3/27/2017		<0.001	<0.001				
3/28/2017				5E-05 (J)	<0.001		
4/7/2017						<0.001	<0.001
6/6/2017	<0.001	0.0002 (J)		<0.001	<0.001		
6/7/2017			<0.001				
6/12/2017							<0.001
6/14/2017						<0.001 (D)	
7/12/2017						<0.001 (D)	
7/20/2017						<0.001 (D)	
7/28/2017						<0.001	
8/9/2017						<0.001	
8/24/2017						<0.001	
9/22/2017				<0.001	<0.001		
9/25/2017	<0.001	<0.001					
9/26/2017			<0.001				
10/2/2017							<0.001
10/3/2017						<0.001 (D)	
3/14/2018	<0.001	<0.001	<0.001	<0.001			
3/15/2018					<0.001		
3/16/2018							<0.001
3/21/2018						<0.001	
9/12/2018	<0.001	<0.001		<0.001	<0.001		
9/14/2018			<0.001				
9/17/2018							<0.001
9/18/2018						<0.001	
3/13/2019				<0.001	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.001	<0.001	<0.001				
3/19/2019							<0.001
3/21/2019						<0.001 (D)	
9/10/2019	<0.001 (D)	<0.001	<0.001				
9/11/2019				6.2E-05 (J)	<0.001		
9/12/2019						<0.001 (D)	
9/13/2019							<0.001
3/6/2020	<0.001		8.6E-05 (J)				
3/9/2020		6.1E-05 (J)		<0.001	<0.001		
3/11/2020							<0.001
3/12/2020						<0.001	
9/10/2020	<0.001	<0.001	<0.001				
9/11/2020				<0.001			
9/14/2020					<0.001		
9/16/2020							<0.001
9/17/2020						<0.001	
3/10/2021		<0.001					
3/11/2021	<0.001		<0.001	<0.001	<0.001		
3/16/2021						<0.001	
3/17/2021							<0.001
8/4/2021	<0.001	<0.001	<0.001				
8/5/2021					<0.001		
8/6/2021				<0.001			
8/9/2021							<0.001
8/10/2021						<0.001	
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022							<0.001
2/3/2022						<0.001	
8/10/2022			<0.001		<0.001		
8/11/2022	<0.001	<0.001		<0.001			
8/16/2022							<0.001
8/17/2022						<0.001	
2/13/2023	<0.001	<0.001	<0.001		<0.001		
2/14/2023				<0.001			
2/16/2023							<0.001
2/17/2023						<0.001	
7/25/2023	<0.001	<0.001		<0.001	<0.001		
7/26/2023			<0.001				
7/28/2023						<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
10/10/2015		<0.001					
10/11/2015	<0.001			<0.001	0.0002		
10/12/2015			<0.001				
10/14/2015						<0.001	
10/15/2015							<0.001
3/28/2016	<0.001						
3/31/2016		<0.001	<0.001				
4/4/2016				<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001						
5/26/2016		<0.001	<0.001	<0.001	<0.001		
5/27/2016						<0.001	
5/31/2016							<0.001
8/1/2016	<0.001						
8/3/2016			0.0001 (J)	<0.001		<0.001	
8/4/2016					<0.001		<0.001
8/5/2016		<0.001					
9/26/2016	<0.001						
9/28/2016		<0.001	<0.001	<0.001	<0.001		
9/29/2016							<0.001
9/30/2016						<0.001	
11/11/2016	<0.001						
11/22/2016		<0.001	<0.001	<0.001	<0.001	<0.001	
11/28/2016							<0.001
1/30/2017	<0.001						
2/7/2017		<0.001	<0.001				
2/8/2017				<0.001	<0.001		
2/9/2017							<0.001
2/13/2017						<0.001	
4/3/2017	<0.001						
4/10/2017		<0.001	<0.001	<0.001	<0.001		
4/11/2017						<0.001	
4/12/2017							<0.001
6/12/2017	<0.001						
6/14/2017		<0.001	<0.001			<0.001	
6/15/2017				<0.001	<0.001		
6/16/2017							<0.001
10/2/2017	<0.001						
10/4/2017		<0.001	<0.001	<0.001	<0.001	<0.001	
10/9/2017							<0.001
3/16/2018	<0.001						
3/20/2018		<0.001					
3/21/2018			<0.001	<0.001			<0.001
3/22/2018					<0.001	<0.001	
9/18/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
9/19/2018							<0.001
3/19/2019	<0.001						
3/22/2019		<0.001	<0.001				
3/23/2019				<0.001	<0.001	<0.001	<0.001
9/12/2019	<0.001						
9/17/2019		<0.001	<0.001	<0.001	<0.001	<0.001 (D)	
9/18/2019							<0.001
3/11/2020	5.9E-05 (J)						

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/12/2020		<0.001	5.4E-05 (J)	<0.001	<0.001	<0.001	
3/13/2020							<0.001
9/15/2020	<0.001						
9/17/2020		<0.001	<0.001				
9/21/2020				<0.001	<0.001	<0.001	
9/22/2020							<0.001
3/17/2021	<0.001						
3/18/2021		<0.001	<0.001				<0.001
3/19/2021				<0.001	<0.001	<0.001	
8/9/2021	<0.001						
8/10/2021		<0.001					
8/11/2021			<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001					<0.001	
2/4/2022		<0.001	<0.001	<0.001	<0.001		
2/17/2022							<0.001
8/17/2022	<0.001	<0.001					
8/18/2022			<0.001	<0.001	<0.001	<0.001	<0.001
2/16/2023	<0.001						
2/20/2023		<0.001	<0.001	<0.001	<0.001		
2/21/2023						<0.001	
2/22/2023							<0.001
7/28/2023	<0.001						
7/31/2023		<0.001	<0.001				
8/1/2023				<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.0005 (D)			
10/7/2015		<0.001 (D)	<0.001 (D)				
10/14/2015	<0.001						
3/16/2016					<0.001	<0.001	<0.001
4/4/2016	<0.001						
4/5/2016		<0.001	<0.001	0.00036 (J)			
5/16/2016					<0.001	<0.001 (D)	<0.001 (D)
5/31/2016			<0.001	0.000373 (J)			
6/1/2016	<0.001	<0.001					
7/25/2016					<0.001	<0.001 (D)	<0.001 (D)
8/4/2016			<0.001				
8/9/2016		<0.001					
9/19/2016					<0.001	<0.001 (D)	<0.001 (D)
9/29/2016			<0.001				
11/3/2016					<0.001		<0.001 (D)
11/4/2016						<0.001 (D)	
11/23/2016			<0.001	<0.001			
11/28/2016		<0.001					
1/19/2017					<0.001		
1/20/2017							<0.001 (D)
1/23/2017						<0.001 (D)	
2/9/2017		<0.001					
2/10/2017			<0.001	<0.001			
2/22/2017	<0.001						
3/28/2017					5E-05 (J)		
3/29/2017						<0.001 (D)	<0.001 (D)
4/11/2017	<0.001	<0.001		<0.001			
4/12/2017			<0.001				
6/5/2017					5E-05 (J)		
6/7/2017						<0.001	<0.001
6/14/2017		<0.001					
6/15/2017			<0.001	<0.001			
6/16/2017	<0.001						
7/12/2017	6E-05 (J)	<0.001		<0.001			
7/26/2017				<0.001			
7/28/2017	<0.001						
8/10/2017	<0.001						
9/26/2017					<0.001		
9/27/2017						<0.001	<0.001
10/5/2017		<0.001					
10/6/2017	<0.001		<0.001	<0.001			
3/15/2018					<0.001	<0.001	<0.001
3/22/2018		<0.001					
3/23/2018	<0.001		<0.001	<0.001			
9/12/2018					<0.001		
9/13/2018						<0.001	<0.001
9/19/2018		<0.001	<0.001	<0.001			
9/20/2018	<0.001						
3/14/2019					<0.001	<0.001 (D)	<0.001 (D)
3/22/2019	<0.001	<0.001		<0.001			
3/25/2019			<0.001				
9/11/2019					<0.001	<0.001 (D)	<0.001 (D)

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
9/17/2019		<0.001	<0.001	<0.001			
9/18/2019	<0.001						
3/10/2020					<0.001	<0.001	<0.001
3/13/2020		<0.001	<0.001	<0.001			
3/17/2020	<0.001						
9/11/2020						<0.001	<0.001
9/15/2020					<0.001		
9/21/2020		<0.001	<0.001	<0.001			
9/22/2020	<0.001						
3/11/2021					<0.001	<0.001	<0.001
3/18/2021		<0.001	<0.001	<0.001			
3/19/2021	<0.001						
8/4/2021					<0.001		
8/6/2021						<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001			
8/12/2021	<0.001						
1/31/2022					<0.001		
2/1/2022						<0.001	<0.001
2/4/2022	<0.001	<0.001	<0.001				
2/7/2022				<0.001			
8/12/2022						<0.001	<0.001
8/15/2022					<0.001		
8/18/2022		<0.001					
8/19/2022	<0.001		<0.001	<0.001			
2/14/2023					<0.001	<0.001	<0.001
2/22/2023	<0.001	<0.001	<0.001	<0.001			
7/26/2023					<0.001	<0.001	<0.001
8/1/2023		<0.001		<0.001			
8/2/2023	<0.001		<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
10/12/2015							<0.001
3/10/2016	<0.001	<0.001	0.00116	<0.001			
3/17/2016					<0.001	<0.001	
3/28/2016							<0.001
5/17/2016	<0.001			<0.001			
5/18/2016		<0.001	0.000768 (J)		<0.001	<0.001	
5/25/2016							<0.001
7/26/2016	7E-05 (J)						
7/27/2016		9E-05 (J)	0.0004 (J)	9E-05 (J)	0.0001 (J)		
7/28/2016						<0.001	
8/1/2016							<0.001
9/20/2016	<0.001	<0.001	0.0004 (J)	<0.001			
9/21/2016					<0.001	<0.001	
9/27/2016							<0.001
11/4/2016	<0.001		0.0003 (J)	<0.001	<0.001		
11/7/2016		<0.001				<0.001	
11/11/2016							<0.001
1/20/2017	<0.001		0.0003 (J)				
1/23/2017		<0.001		<0.001			
1/24/2017					<0.001	<0.001	
1/31/2017							<0.001
3/28/2017	7E-05 (J)			6E-05 (J)			
3/29/2017		7E-05 (J)	0.0003 (J)		<0.001		
3/30/2017						5E-05 (J)	
4/3/2017							<0.001
6/7/2017	6E-05 (J)						
6/8/2017		<0.001	0.0003 (J)	8E-05 (J)	<0.001		
6/9/2017						<0.001	
6/12/2017							<0.001
9/27/2017		6E-05 (J)	0.0003 (J)				
9/29/2017	6E-05 (J)			9E-05 (J)	<0.001	<0.001	
10/3/2017							<0.001
3/15/2018	<0.001	<0.001		<0.001	<0.001	<0.001	
3/16/2018			0.00036 (J)				
3/19/2018							<0.001
9/13/2018	<0.001	<0.001	0.00021 (J)	<0.001	<0.001		
9/14/2018						<0.001	
9/17/2018							<0.001
3/15/2019		<0.001		<0.001			
3/18/2019	<0.001				<0.001		
3/19/2019			0.00027 (J)			<0.001	
3/20/2019							<0.001
9/11/2019	<0.001		0.00023 (J)	0.000115 (JD)	<0.001	<0.001	
9/12/2019		<0.001					
9/16/2019							8.4E-05 (J)
3/9/2020		<0.001	0.00021 (J)	9E-05 (J)		<0.001	
3/10/2020	<0.001						
3/11/2020					<0.001		
3/16/2020							<0.001
9/11/2020					<0.001		
9/14/2020	<0.001	<0.001		<0.001		<0.001	
9/15/2020			0.00016 (J)				

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:55 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
9/16/2020							<0.001
3/11/2021	<0.001	<0.001	<0.001	<0.001			
3/15/2021					<0.001	<0.001	
3/17/2021							<0.001
8/4/2021				<0.001			
8/5/2021	<0.001	<0.001	<0.001			<0.001	
8/9/2021							<0.001
8/11/2021					<0.001		
1/31/2022	<0.001			<0.001			
2/1/2022		<0.001	<0.001		<0.001	<0.001	
2/2/2022							<0.001
8/15/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/16/2022							<0.001
2/14/2023	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
2/20/2023							<0.001
7/26/2023	<0.001			<0.001			
7/27/2023		0.0002 (J)	0.0002 (J)		<0.001	<0.001	
7/28/2023							<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
10/8/2015				<0.001 (D)	0.0001 (D)	
10/9/2015	<0.001	<0.001				
10/10/2015						<0.001
3/22/2016					<0.001	
3/29/2016	<0.001	<0.001				
3/30/2016				<0.001		<0.001
5/24/2016	<0.001	<0.001		<0.001		
5/25/2016					<0.001	
5/26/2016						<0.001
5/31/2016			<0.001			
8/1/2016	<0.001	<0.001				
8/2/2016			<0.001	<0.001	<0.001	
8/5/2016						<0.001
9/26/2016	<0.001	<0.001			<0.001	
9/27/2016			<0.001	<0.001		
9/28/2016						<0.001
11/14/2016		<0.001				
11/18/2016	<0.001					
11/21/2016			<0.001		<0.001	<0.001
11/22/2016				<0.001		
2/1/2017	<0.001	<0.001	<0.001			
2/3/2017					<0.001	
2/6/2017				<0.001		<0.001
4/6/2017	5E-05 (J)	<0.001	<0.001	<0.001		<0.001
4/7/2017					<0.001	
6/13/2017	<0.001	<0.001	<0.001		7E-05 (J)	<0.001
6/14/2017				<0.001		
7/14/2017			<0.001			
10/3/2017	<0.001	<0.001	<0.001		<0.001	<0.001
10/4/2017				<0.001		
3/19/2018	<0.001					
3/20/2018		<0.001	<0.001		<0.001	<0.001
3/21/2018				<0.001		
9/17/2018	<0.001	<0.001				
9/18/2018			<0.001	<0.001	<0.001	<0.001 (D)
3/21/2019	<0.001	<0.001	<0.001			<0.001
3/27/2019				<0.001		
5/6/2019					<0.001	
9/13/2019			5.7E-05 (J)			
9/16/2019	<0.001	<0.001		<0.001 (D)	<0.001	<0.001
3/12/2020	<0.001	<0.001	0.00022 (J)	<0.001		<0.001
3/16/2020					<0.001	
9/16/2020	<0.001	<0.001	0.00019 (J)			
9/17/2020				<0.001	<0.001	<0.001
3/17/2021	<0.001	<0.001	0.00015 (J)	<0.001		
3/18/2021					<0.001	<0.001
8/10/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2/2/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/17/2022	<0.001	<0.001	0.00024 (J)	<0.001	<0.001	<0.001
2/17/2023	<0.001	<0.001				
2/20/2023			<0.001		<0.001	
2/21/2023				<0.001		<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
7/28/2023		<0.001				
7/31/2023	<0.001		<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/14/2016					106		
3/15/2016							107
3/22/2016	150						
3/23/2016		259	174			<25	
5/11/2016					58		80
5/16/2016				114 (D)			
5/19/2016	150		93				
5/20/2016		122					
5/23/2016						<25	
7/19/2016					46		
7/21/2016							76
7/27/2016				107 (D)			
7/29/2016	146	156	68			17 (J)	
9/15/2016					41		
9/19/2016							108
9/22/2016			91			33	
9/23/2016	163	150					
11/2/2016					37		
11/3/2016							90
11/9/2016	147	87					
11/10/2016			96			41	
1/17/2017							128
1/18/2017					29		
1/30/2017	127						
1/31/2017		63	206			58	
2/21/2017				229 (D)			
3/24/2017							91
3/27/2017				239 (D)			
3/28/2017					40		
3/30/2017	137	112				<25	
4/3/2017			118				
5/24/2017							152
6/8/2017				179 (D)			
6/9/2017	164		87				
6/12/2017		216				20 (J)	
7/17/2017				180 (D)			
7/27/2017				190 (D)			
8/9/2017				153 (D)			
9/26/2017					107		103
9/29/2017				173 (D)			
10/2/2017	137	<25	73				
10/4/2017						<25	
3/14/2018					126		123
3/16/2018	140		130	150			
3/19/2018		295				<25	
9/12/2018					134		105
9/14/2018		30	103	165			
9/17/2018	162					32	
3/13/2019							130
3/14/2019				154			
3/15/2019					107		
3/19/2019			208				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/20/2019	175	49				30	
9/9/2019					93		108
9/10/2019				181			
9/12/2019	174	44					
9/13/2019			113			19	
3/9/2020				173	58		131
3/11/2020	172	309	170			24	
9/10/2020					16		
9/11/2020							102
9/15/2020	156	28	89				
9/16/2020				156			
3/10/2021							60
3/12/2021					55		
3/16/2021	155		102	142			
3/17/2021		211					
3/29/2021						76	
8/4/2021					60		66
8/6/2021				133			
8/9/2021	150	207	127			95	
1/31/2022					61		81
2/1/2022	143	202	114				
2/2/2022				143		104	
8/10/2022					50		
8/12/2022							91
8/16/2022	159	182	123	125		85	
2/13/2023					105 (J)		259 (J)
2/14/2023				149 (J)			
2/16/2023	152 (J)	267 (J)	197 (J)				
2/17/2023						117 (J)	
7/25/2023				158			
7/26/2023					57		70
7/27/2023	167	177	155				
8/1/2023						113	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/11/2016			139	69	144		
3/15/2016	110	78					
3/28/2016							<25
5/12/2016	49						
5/13/2016		178		88	142		
5/16/2016			112				
5/23/2016							32
7/19/2016				56	135		
7/20/2016	72						
7/21/2016		168					
7/22/2016			136				
8/1/2016							<25
9/15/2016	18 (J)						
9/16/2016				31	144		
9/19/2016			121				
9/21/2016		123					
9/26/2016							45
11/2/2016				48	152		
11/3/2016	70	157	132				
11/10/2016							38
1/17/2017		170	150				
1/18/2017	63			44	125		
1/30/2017							<25
2/22/2017						329 (D)	
3/24/2017	63						
3/27/2017		158	148				
3/28/2017				<25	109		
4/7/2017						295 (D)	18 (J)
6/6/2017	128	212		36	154		
6/7/2017			181				
6/12/2017							15 (J)
6/14/2017						237 (D)	
7/12/2017						400 (D)	
7/20/2017						203 (D)	
7/28/2017						262 (D)	
8/9/2017						195 (D)	
8/24/2017						236 (D)	
9/22/2017				41	157		
9/25/2017	109	145					
9/26/2017			113				
10/2/2017							17 (J)
10/3/2017						224 (D)	
3/14/2018	192	210	134	<25			
3/15/2018					117		
3/16/2018							<25
3/21/2018						237	
9/12/2018	82	159		<25	151		
9/14/2018			139				
9/17/2018							38
9/18/2018						227	
3/13/2019				31	152		
3/14/2019	119	157	157				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/19/2019							34
3/21/2019						367 (D)	
9/10/2019	36	113	105				
9/11/2019				21	151		
9/12/2019						200 (D)	
9/13/2019							19
3/6/2020	137		143				
3/9/2020		249		51	174		
3/11/2020							17
3/12/2020						247	
9/10/2020	35	111	120				
9/11/2020				31			
9/14/2020					146		
9/16/2020							20
9/17/2020						223	
3/10/2021		148					
3/11/2021	101		109	14	98		
3/16/2021						196	
3/17/2021							<25
8/4/2021	77	176	141				
8/5/2021					126		
8/6/2021				33			
8/9/2021							14
8/10/2021						238	
1/31/2022	63	184	132	25	128		
2/1/2022							21
2/3/2022						243	
8/10/2022			134		145		
8/11/2022	73	170		28			
8/16/2022							<25
8/17/2022						226	
2/13/2023	111 (J)	163 (J)	226		126		
2/14/2023				60.9			
2/16/2023							<25
2/17/2023						252 (J)	
7/25/2023	43	162		<25	167		
7/26/2023			134				
7/28/2023						243	<25

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
3/28/2016	46						
3/31/2016		122	135				
4/4/2016				79	135	58	156
5/25/2016	57						
5/26/2016		143	163	105	124		
5/27/2016						66	
5/31/2016							192
8/1/2016	<25						
8/3/2016			159	106		65	
8/4/2016					109		269
8/5/2016		143					
9/26/2016	60						
9/28/2016		160	208	148	104		
9/29/2016							288
9/30/2016						60	
11/11/2016	13 (J)						
11/22/2016		149	152	88	94	63	
11/28/2016							224
1/30/2017	<25						
2/7/2017		123	128				
2/8/2017				62	141 (J)		
2/9/2017							386
2/13/2017						104 (J)	
4/3/2017	100						
4/10/2017		95	186	92	114		
4/11/2017						63	
4/12/2017							254
6/12/2017	51						
6/14/2017		150	150			97	
6/15/2017				96	153		
6/16/2017							309
10/2/2017	32						
10/4/2017		140	153	78	121	74	
10/9/2017							269
3/16/2018	<25						
3/20/2018		93					
3/21/2018			192	111			211
3/22/2018					139	54	
9/18/2018	15 (J)	155	155	106	139	73	
9/19/2018							222
3/19/2019	48						
3/22/2019		95	140				
3/23/2019				64	148	58	135
9/12/2019	46						
9/17/2019		165	172	101	143	62	
9/18/2019							200
3/11/2020	24						
3/12/2020		63	81	96	125	64	
3/13/2020							143
9/15/2020	12						
9/17/2020		140	125				
9/21/2020				93	145	62	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							176
3/17/2021	31						
3/18/2021		74	62				82
3/19/2021				79	135	53	
8/9/2021	<25						
8/10/2021		120					
8/11/2021			138	53	149	58	131
2/2/2022	15					54	
2/4/2022		102	156	120	157		
2/17/2022							119
8/17/2022	18 (J)	128					
8/18/2022			135	59	141	48	132
2/16/2023	<25						
2/20/2023		47	154	98	149		
2/21/2023						42	
2/22/2023							1020
4/11/2023							120
7/28/2023	<25						
7/31/2023		143	144				
8/1/2023				121	151	63	197

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/16/2016					<36	<25	89
4/4/2016	110						
4/5/2016		42	103	53			
5/16/2016					35	<25 (D)	169 (D)
5/31/2016			157	70			
6/1/2016	121	63					
7/25/2016					24 (J)	16 (JD)	159 (D)
8/4/2016			154				
8/9/2016		267					
9/19/2016					19 (J)	12 (JD)	152 (D)
9/29/2016			142				
11/3/2016					34		150 (D)
11/4/2016						13 (JD)	
11/23/2016			172	118			
11/28/2016		116					
1/19/2017					13 (J)		
1/20/2017							152 (D)
1/23/2017						15 (JD)	
2/9/2017		212 (J)					
2/10/2017			237	214			
2/22/2017	311						
3/28/2017					<36		
3/29/2017						<25 (D)	143 (D)
4/11/2017	212	113		127			
4/12/2017			168				
6/5/2017					206		
6/7/2017						26	192
6/14/2017		120					
6/15/2017			176	126			
6/16/2017	262						
7/12/2017	310	153		164			
7/20/2017					72		
7/26/2017				129			
7/28/2017	289						
8/10/2017	288						
9/26/2017					35		
9/27/2017						<25	159
10/5/2017		102					
10/6/2017	268		155	140			
3/15/2018					41	<25	146
3/22/2018		115					
3/23/2018	281		170	119			
9/12/2018					<36		
9/13/2018						<25	185
9/19/2018		114	181	138			
9/20/2018	297						
3/14/2019					110	39 (JXD)	195 (D)
3/22/2019	249	104		116			
3/25/2019			167				
9/11/2019					58	<25 (D)	172 (D)
9/17/2019		86	179	117			
9/18/2019	281						

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
3/10/2020					127	60	245
3/13/2020		59	169	76			
3/17/2020	256						
9/11/2020						11	146
9/15/2020					56		
9/21/2020		94	186	122			
9/22/2020	248						
3/11/2021					43	12	167
3/18/2021		57	153	54			
3/19/2021	250						
8/4/2021					62		
8/6/2021						17	186
8/11/2021		77	181	122			
8/12/2021	263						
1/31/2022					63		
2/1/2022						70	201
2/4/2022	262	92	162				
2/7/2022				121			
8/12/2022						14	159
8/15/2022					50		
8/18/2022		83					
8/19/2022	243		152	112			
2/14/2023					70.9	33.9	206
2/22/2023	254	65	174	111			
7/26/2023					32	<25	186
8/1/2023		83		114			
8/2/2023	282		136				

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/10/2016	253	152	149	63			
3/17/2016					103	31	
3/28/2016							<25
5/17/2016	251			<31			
5/18/2016		123	162		129	43	
5/25/2016							34
7/26/2016	249						
7/27/2016		113	132	11 (J)	108		
7/28/2016						43	
8/1/2016							25
9/20/2016	195	126	155	14 (J)			
9/21/2016					102	<25	
9/27/2016							20 (J)
11/4/2016	209		169	27	130		
11/7/2016		167				50	
11/11/2016							41
1/20/2017	211		135				
1/23/2017		125		15 (J)			
1/24/2017					152	63	
1/31/2017							127
3/28/2017	199			<31			
3/29/2017		116	147		95		
3/30/2017						<25	
4/3/2017							69
6/7/2017	251						
6/8/2017		131	159	29	176		
6/9/2017						20 (J)	
6/12/2017							46
9/27/2017		117	167				
9/29/2017	255			21 (J)	118	22 (J)	
10/3/2017							34
3/15/2018	231	102		<31	88	<25	
3/16/2018			141				
3/19/2018							<25
9/13/2018	263	144	175	<31	137		
9/14/2018						29	
9/17/2018							38
3/15/2019		125		41			
3/18/2019	251				170		
3/19/2019			154			35	
3/20/2019							66
9/11/2019	234		164	20	138	27	
9/12/2019		121					
9/16/2019							45
3/9/2020		147	44	100		51	
3/10/2020	273						
3/11/2020					125		
3/16/2020							20
9/11/2020					127		
9/14/2020	232	129		47		25	
9/15/2020			108				
9/16/2020							30

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/11/2021	209	106	143	40			
3/15/2021					107	30	
3/17/2021							15
8/4/2021				34			
8/5/2021	210	90	142			<25	
8/9/2021							<25
8/11/2021					116		
1/31/2022	197			31			
2/1/2022		107	157		125	27	
2/2/2022							32
8/15/2022	187	141 (J)	104	37	103	<25	
8/16/2022							<25
2/14/2023	199	111 (J)	151	30.9	114	<25	
2/20/2023							53
7/26/2023	206			33			
7/27/2023		105	154		117	<25	
7/28/2023							<25

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/22/2016					111	
3/29/2016	51	64				
3/30/2016				104		26
5/24/2016	76	77		94		
5/25/2016					95	
5/26/2016						70
5/31/2016			120			
8/1/2016	69	35				
8/2/2016			100	105	124	
8/5/2016						95
9/26/2016	103	111			140	
9/27/2016			121	119		
9/28/2016						152
11/14/2016		76				
11/18/2016	77					
11/21/2016			164		154	145
11/22/2016				105		
2/1/2017	168	126	144			
2/3/2017					113	
2/6/2017				99		20 (J)
4/6/2017	95	146	125	124		17 (J)
4/7/2017					147	
6/13/2017	101	84	148		117	32
6/14/2017				114		
7/14/2017			121			
10/3/2017	83	70	117		150	71
10/4/2017				107		
3/19/2018	70					
3/20/2018		78	136		121	49
3/21/2018				117		
9/17/2018	77	74				
9/18/2018			116	110	93	38
3/21/2019	80	60	107			39
3/27/2019				101		
5/6/2019					118	
9/13/2019			115			
9/16/2019	82	65		113	99	85
3/12/2020	42	22	86	84		16
3/16/2020					76	
9/16/2020	77	52	124			
9/17/2020				111	98	94
3/17/2021	47	43	112	113		
3/18/2021					48	<25
8/10/2021	53	<10	101	112	92	22
2/2/2022	73	51	115	102	85	21
8/17/2022	53	33	83	89	41	25
2/17/2023	75 (J)	50 (J)				
2/20/2023			122		86	
2/21/2023				77		<25
7/28/2023		46				
7/31/2023	77		113	96	97	62

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	<0.01	<0.01	<0.01			<0.01	
10/23/2007	<0.01						
10/24/2007		<0.01	<0.01				
11/2/2007						<0.01	
11/18/2007	<0.01	0.0051	<0.01			0.0046	
1/30/2008	<0.01						
1/31/2008		<0.01	0.0078			<0.01	
3/10/2008	<0.01		<0.01				
3/11/2008		0.0032				<0.01	
5/6/2008		<0.01					
5/13/2008	<0.01		<0.01				
5/14/2008						<0.01	
12/4/2008		0.016 (O)	<0.01				
12/5/2008	<0.01					<0.01	
4/15/2009	<0.01					<0.01	
4/21/2009		0.005	0.0036				
10/7/2009	0.0099	<0.01					
10/8/2009			<0.01			<0.01	
4/21/2010			<0.01				
4/26/2010		<0.01					
4/28/2010						<0.01	
5/3/2010	<0.01						
9/28/2010			<0.01				
10/4/2010		0.0025					
10/6/2010						<0.01	
10/12/2010	<0.01						
4/12/2011			<0.01				
4/13/2011		<0.01					
4/21/2011						<0.01	
4/27/2011	<0.01						
10/4/2011			<0.01				
10/5/2011		<0.01					
10/13/2011						<0.01	
10/17/2011	<0.01						
4/3/2012			<0.01				
4/11/2012		<0.01					
5/1/2012						<0.01	
5/2/2012	<0.01						
10/8/2012	<0.01						
10/9/2012		<0.01	<0.01			<0.01	
4/11/2013			<0.01			<0.01	
4/12/2013	<0.01						
4/15/2013		<0.01					
10/15/2013		<0.01					
10/16/2013	<0.01		<0.01			<0.01	
4/10/2014			0.005 (J)				
4/11/2014	<0.01						
4/22/2014		<0.01					
4/23/2014						<0.01	
9/30/2014	<0.01	<0.01	<0.01				
10/4/2014						<0.01	
3/30/2015	0.0067	0.0016 (J)	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.0023 (J)	
10/12/2015						<0.01	
10/13/2015	<0.01	<0.01	<0.01				
3/14/2016					<0.01		
3/15/2016							<0.01
3/22/2016	0.00214 (J)						
3/23/2016		<0.01	<0.01			<0.01	
5/11/2016					<0.01		<0.01
5/16/2016				<0.01 (D)			
7/19/2016					<0.01		
7/21/2016							<0.01
7/27/2016				0.002 (JD)			
7/29/2016	<0.01	<0.01	<0.01			<0.01	
9/15/2016					<0.01		<0.01
11/2/2016					<0.01		
11/3/2016							<0.01
1/17/2017							<0.01
1/18/2017					<0.01		
2/21/2017				<0.01			
3/24/2017							<0.01
3/27/2017				<0.01 (D)			
3/28/2017					<0.01		
3/30/2017	<0.01	<0.01				<0.01	
4/3/2017			<0.01				
9/26/2017					<0.01		<0.01
9/29/2017				<0.01 (D)			
10/2/2017	<0.01	<0.01	<0.01				
10/4/2017						<0.01	
3/14/2018					<0.01		<0.01
3/16/2018	<0.01		<0.01	<0.01			
3/19/2018		<0.01				<0.01	
9/12/2018					<0.01		<0.01
9/14/2018		<0.01	<0.01	<0.01			
9/17/2018	<0.01 (D)					<0.01	
3/13/2019							<0.01
3/14/2019				<0.01			
3/15/2019					<0.01		
3/19/2019			<0.01				
3/20/2019	<0.01	<0.01				<0.01	
9/9/2019					<0.01		<0.01
9/12/2019	<0.01	<0.01 (D)					
9/13/2019			0.001 (J)			<0.01	
3/9/2020				<0.01	<0.01		<0.01
3/11/2020	<0.01	<0.01	0.00084 (J)			<0.01	
9/10/2020					<0.01		
9/11/2020							<0.01
9/15/2020	<0.01	<0.01	<0.01				
9/16/2020				<0.01			
3/10/2021							<0.01
3/12/2021					<0.01		
3/16/2021	<0.01		<0.01	<0.01			
3/17/2021		<0.01					

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.01	
8/4/2021					<0.01		<0.01
8/6/2021				<0.01			
8/9/2021	<0.01	<0.01	<0.01			<0.01	
1/31/2022					<0.01		<0.01
2/1/2022	<0.01	<0.01	<0.01				
2/2/2022				<0.01		<0.01	
8/10/2022					<0.01		
8/12/2022							<0.01
8/16/2022	<0.01	<0.01	<0.01	<0.01		<0.01	
2/13/2023					<0.01		<0.01
2/14/2023				<0.01			
2/16/2023	<0.01	<0.01	<0.01				
2/17/2023						<0.01	
7/25/2023				<0.01			
7/26/2023					<0.01		<0.01
7/27/2023	<0.01	<0.01	<0.01				
8/1/2023						<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							<0.01
4/23/2009							<0.01
10/6/2009							<0.01
4/27/2010							<0.01
9/30/2010							<0.01
4/14/2011							<0.01
10/5/2011							<0.01
4/11/2012							<0.01
10/2/2012							<0.01
4/9/2013							<0.01
10/15/2013							<0.01
4/10/2014							<0.01
10/1/2014							<0.01
3/30/2015							<0.01
10/11/2015							<0.01
3/11/2016			<0.01	0.00204 (J)	0.00202 (J)		
3/15/2016	<0.01	<0.01					
3/28/2016							<0.01
5/12/2016	<0.01						
5/13/2016		<0.01		<0.01	<0.01		
5/16/2016			<0.01				
7/19/2016				<0.01	<0.01		
7/20/2016	<0.01						
7/21/2016		<0.01					
7/22/2016			<0.01				
8/1/2016							<0.01
9/15/2016	<0.01						
9/16/2016				<0.01	<0.01		
9/19/2016			<0.01				
9/21/2016		<0.01					
11/2/2016				<0.01	<0.01		
11/3/2016	<0.01	<0.01	<0.01				
1/17/2017		<0.01	<0.01				
1/18/2017	<0.01			<0.01	<0.01		
3/24/2017	<0.01						
3/27/2017		<0.01	<0.01				
3/28/2017				<0.01	<0.01		
4/7/2017						<0.01	<0.01
9/22/2017				<0.01	<0.01		
9/25/2017	<0.01	<0.01					
9/26/2017			<0.01				
10/2/2017							<0.01
10/3/2017						<0.01 (D)	
3/14/2018	<0.01	<0.01	<0.01	<0.01			
3/15/2018					<0.01		
3/16/2018							<0.01
3/21/2018						<0.01	
9/12/2018	<0.01	<0.01		<0.01	<0.01		
9/14/2018			<0.01				
9/17/2018							<0.01
9/18/2018						<0.01	
3/13/2019				<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.01	<0.01	<0.01				
3/19/2019							<0.01
3/21/2019						<0.01 (D)	
9/10/2019	<0.01 (D)	<0.01	<0.01				
9/11/2019				<0.01	<0.01		
9/12/2019						0.00084 (JD)	
9/13/2019							<0.01
3/6/2020	<0.01		<0.01				
3/9/2020		<0.01		<0.01	0.00074 (J)		
3/11/2020							<0.01
3/12/2020						<0.01	
9/10/2020	<0.01	<0.01	<0.01				
9/11/2020				<0.01			
9/14/2020					<0.01		
9/16/2020							<0.01
9/17/2020						<0.01	
3/10/2021		<0.01					
3/11/2021	<0.01		<0.01	<0.01	<0.01		
3/16/2021						<0.01	
3/17/2021							<0.01
8/4/2021	<0.01	<0.01	<0.01				
8/5/2021					<0.01		
8/6/2021				<0.01			
8/9/2021							<0.01
8/10/2021						<0.01	
1/31/2022	<0.01	<0.01	<0.01	<0.01	<0.01		
2/1/2022							<0.01
2/3/2022						<0.01	
8/10/2022			<0.01		<0.01		
8/11/2022	<0.01	<0.01		<0.01			
8/16/2022							<0.01
8/17/2022						<0.01	
2/13/2023	<0.01	<0.01	<0.01		<0.01		
2/14/2023				<0.01			
2/16/2023							<0.01
2/17/2023						<0.01	
7/25/2023	<0.01	<0.01		<0.01	<0.01		
7/26/2023			<0.01				
7/28/2023						<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/1/2007		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11/18/2007				<0.01	<0.01		
11/19/2007						<0.01	0.0035
11/20/2007		0.0034	<0.01				
1/16/2008						0.0071	
1/30/2008		0.005	<0.01	<0.01	<0.01		
1/31/2008							0.0039
3/5/2008				<0.01		0.0031	<0.01
3/6/2008		0.0032	<0.01		0.0047		
5/7/2008				0.0029	0.003		
5/8/2008			<0.01				
5/12/2008		<0.01					0.0064
5/13/2008						<0.01	
12/12/2008	<0.01						
12/13/2008		0.0082				<0.01	0.02 (O)
12/14/2008			<0.01	0.0026	0.0056		
4/16/2009						0.0037	
4/23/2009	0.0065						
4/28/2009							0.0039
4/29/2009		<0.01	<0.01	<0.01	0.018 (O)		
10/6/2009	0.0026						
10/20/2009		<0.01					
10/21/2009			<0.01			0.0047	0.0037
10/22/2009				0.0026	0.0079		
4/21/2010			<0.01	<0.01	0.0075		
4/26/2010		<0.01					
4/27/2010						0.0082	
4/28/2010							<0.01
5/3/2010	0.0028						
9/28/2010			<0.01	<0.01			
9/29/2010		<0.01			0.0065		
10/5/2010						<0.01	<0.01
10/11/2010	0.0035						
4/12/2011			<0.01	<0.01			
4/13/2011		<0.01			0.004		
4/19/2011						0.0036	0.0025
4/27/2011	0.0047						
10/4/2011			<0.01	<0.01	0.0054		
10/5/2011		<0.01					
10/12/2011						<0.01	
10/18/2011							0.0037
10/19/2011	<0.01						
4/3/2012			<0.01	<0.01			
4/4/2012		<0.01			<0.01		
4/24/2012						<0.01	
4/25/2012							<0.01
5/1/2012	<0.01						
10/2/2012	<0.01					<0.01	<0.01
10/3/2012		<0.01		<0.01	<0.01		
10/8/2012			<0.01				
4/2/2013						<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		<0.01	<0.01	<0.01	<0.01		
4/10/2013	<0.01						
10/8/2013							<0.01
10/9/2013				<0.01	<0.01	<0.01	
10/15/2013		<0.01	<0.01				
10/16/2013	<0.01						
4/1/2014						<0.01	0.005 (J)
4/2/2014				<0.01	0.005 (J)		
4/9/2014		<0.01	<0.01				
4/22/2014	0.005 (J)						
10/1/2014	<0.01						<0.01
10/2/2014		<0.01	<0.01	<0.01	<0.01	<0.01	
3/30/2015	0.0032 (J)						
4/1/2015				<0.01	0.0067	<0.01	0.0019 (J)
4/2/2015		<0.01	<0.01				
10/10/2015		<0.01					
10/11/2015	<0.01			<0.01	0.0049 (J)		
10/12/2015			<0.01				
10/14/2015						0.0022 (J)	
10/15/2015							<0.01
3/28/2016	<0.01						
3/31/2016		<0.01	<0.01				
4/4/2016				<0.01	0.00251 (J)	<0.01	0.00211 (J)
8/1/2016	<0.01						
8/3/2016			<0.01	<0.01		<0.01	
8/4/2016					<0.01		<0.01
8/5/2016		<0.01					
4/3/2017	<0.01						
4/10/2017		<0.01	<0.01	<0.01	<0.01		
4/11/2017						<0.01	
4/12/2017							0.0016 (J)
10/2/2017	<0.01						
10/4/2017		<0.01	<0.01	<0.01	0.0015 (J)	<0.01	
10/9/2017							<0.01
3/16/2018	<0.01						
3/20/2018		<0.01					
3/21/2018			<0.01	<0.01			<0.01
3/22/2018					<0.01	<0.01	
9/18/2018	<0.01	<0.01	<0.01	<0.01	0.0022 (J)	<0.01	
9/19/2018							0.0022 (J)
3/19/2019	<0.01						
3/22/2019		<0.01	<0.01				
3/23/2019				<0.01	<0.01	<0.01	<0.01
9/12/2019	<0.01						
9/17/2019		<0.01	<0.01	<0.01	<0.01	<0.01 (D)	
9/18/2019							<0.01
3/11/2020	<0.01						
3/12/2020		<0.01	<0.01	<0.01	<0.01	<0.01	
3/13/2020							0.002 (J)
9/15/2020	<0.01						
9/17/2020		<0.01	<0.01				
9/21/2020				<0.01	<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.01
3/17/2021	<0.01						
3/18/2021		<0.01	<0.01				<0.01
3/19/2021				<0.01	<0.01	<0.01	
8/9/2021	<0.01						
8/10/2021		<0.01					
8/11/2021			<0.01	<0.01	<0.01	<0.01	0.0021 (J)
2/2/2022	<0.01					<0.01	
2/4/2022		<0.01	<0.01	<0.01	<0.01		
2/17/2022							<0.01
8/17/2022	<0.01	<0.01					
8/18/2022			<0.01	<0.01	<0.01	<0.01	<0.01
2/16/2023	<0.01						
2/20/2023		<0.01	<0.01	<0.01	<0.01		
2/21/2023						0.0034 (J)	
2/22/2023							0.0019 (J)
7/28/2023	<0.01						
7/31/2023		<0.01	<0.01				
8/1/2023				<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.01						
8/23/2007			<0.01				
8/24/2007		0.012		0.0027			
11/1/2007	0.0048						
11/2/2007		<0.01	<0.01	0.012			
11/17/2007		0.0043	<0.01				
11/18/2007				0.016 (J)			
11/19/2007	0.0054						
1/15/2008		0.0037	<0.01	0.018			
1/31/2008	0.003						
3/5/2008	<0.01	0.0049					
3/6/2008			<0.01				
3/10/2008				0.014			
5/7/2008	0.0041	<0.01	<0.01				
5/13/2008				0.013			
12/2/2008		0.0097	<0.01	0.016			
12/12/2008	0.023 (O)						
4/16/2009		0.0061					
4/28/2009			<0.01	0.016			
4/29/2009	0.006						
10/19/2009			<0.01				
10/20/2009		0.0092		0.021			
10/21/2009	0.022 (O)						
4/20/2010		<0.01					
4/27/2010			<0.01	0.012			
4/28/2010	0.011						
9/29/2010		<0.01					
10/4/2010			<0.01				
10/5/2010				0.011			
10/6/2010	0.0064						
4/12/2011		<0.01					
4/18/2011			<0.01				
4/19/2011				0.012			
4/20/2011	0.0046						
10/4/2011		<0.01					
10/12/2011	<0.01		<0.01	0.0031			
4/4/2012		<0.01					
4/23/2012			<0.01				
4/25/2012	<0.01			<0.01			
10/2/2012	<0.01						
10/10/2012		<0.01	<0.01	<0.01			
4/2/2013	<0.01						
4/15/2013		<0.01	<0.01				
4/16/2013				<0.01			
10/8/2013	<0.01						
10/22/2013		<0.01	<0.01	<0.01			
4/1/2014	0.005 (J)						
4/21/2014		0.005 (J)	<0.01	0.005 (J)			
9/30/2014		<0.01	<0.01	<0.01			
10/1/2014	<0.01						
3/31/2015	<0.01						
4/3/2015		0.001 (J)	<0.01	0.0016 (J)			

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				0.002 (J)			
10/7/2015		<0.01	<0.01				
10/14/2015	<0.01						
3/16/2016					<0.01	<0.01	<0.01
4/4/2016	<0.01						
4/5/2016		<0.01	<0.01	0.00233 (J)			
5/16/2016					<0.01	<0.01 (D)	<0.01 (D)
7/25/2016					<0.01	0.0022 (JD)	<0.01 (D)
8/4/2016			<0.01				
8/9/2016		<0.01					
9/19/2016					<0.01	<0.01 (D)	<0.01 (D)
11/3/2016					<0.01		<0.01 (D)
11/4/2016						<0.01 (D)	
1/19/2017					<0.01		
1/20/2017							<0.01 (D)
1/23/2017						<0.01 (D)	
3/28/2017					<0.01		
3/29/2017						<0.01 (D)	<0.01 (D)
4/11/2017	<0.01	<0.01		<0.01			
4/12/2017			<0.01				
9/26/2017					<0.01		
9/27/2017						<0.01	<0.01
10/5/2017		<0.01					
10/6/2017	<0.01		<0.01	<0.01			
3/15/2018					<0.01	<0.01	<0.01
3/22/2018		<0.01					
3/23/2018	<0.01		<0.01	<0.01			
9/12/2018					<0.01		
9/13/2018						<0.01	<0.01
9/19/2018		<0.01	<0.01	<0.01			
9/20/2018	<0.01						
3/14/2019					<0.01	<0.01 (D)	<0.01 (D)
3/22/2019	<0.01	<0.01		<0.01			
3/25/2019			<0.01				
9/11/2019					<0.01	<0.01 (D)	<0.01 (D)
9/17/2019		<0.01	<0.01	<0.01			
9/18/2019	<0.01						
3/10/2020					<0.01	<0.01	<0.01
3/13/2020		<0.01	0.00077 (J)	0.00095 (J)			
3/17/2020	<0.01						
9/11/2020						<0.01	<0.01
9/15/2020					<0.01		
9/21/2020		<0.01	<0.01	<0.01			
9/22/2020	<0.01						
3/11/2021					<0.01	<0.01	<0.01
3/18/2021		<0.01	<0.01	<0.01			
3/19/2021	<0.01						
8/4/2021					<0.01		
8/6/2021						<0.01	<0.01
8/11/2021		<0.01	<0.01	<0.01			
8/12/2021	<0.01						
1/31/2022					<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.01	<0.01
2/4/2022	<0.01	<0.01	<0.01				
2/7/2022				<0.01			
8/12/2022						<0.01	<0.01
8/15/2022					<0.01		
8/18/2022		<0.01					
8/19/2022	<0.01		<0.01	<0.01			
2/14/2023					<0.01	<0.01	<0.01
2/22/2023	<0.01	<0.01	<0.01	<0.01			
7/26/2023					0.0026 (J)	0.0026 (J)	<0.01
8/1/2023		<0.01		<0.01			
8/2/2023	<0.01		<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.0032
10/25/2007							<0.01
11/19/2007							<0.01
1/23/2008							<0.01
3/11/2008							<0.01
5/12/2008							<0.01
12/11/2008							<0.01
4/15/2009							<0.01
10/9/2009							<0.01
5/4/2010							<0.01
10/12/2010							<0.01
4/28/2011							<0.01
10/19/2011							<0.01
5/2/2012							<0.01
10/9/2012							<0.01
4/11/2013							<0.01
10/16/2013							<0.01
4/23/2014							<0.01
10/3/2014							0.00097 (J)
3/31/2015							0.00096 (J)
10/12/2015							<0.01
3/10/2016	<0.01	<0.01	<0.01	<0.01			
3/17/2016					<0.01	<0.01	
3/28/2016							<0.01
5/17/2016	<0.01			<0.01			
5/18/2016		<0.01	<0.01		<0.01	<0.01	
7/26/2016	<0.01						
7/27/2016		<0.01	<0.01	<0.01	<0.01		
7/28/2016						<0.01	
8/1/2016							<0.01
9/20/2016	<0.01	<0.01	<0.01	<0.01			
9/21/2016					<0.01	<0.01	
11/4/2016	<0.01		<0.01	<0.01	<0.01		
11/7/2016		<0.01				<0.01	
1/20/2017	<0.01		<0.01				
1/23/2017		<0.01		<0.01			
1/24/2017					<0.01	<0.01	
3/28/2017	<0.01			<0.01			
3/29/2017		<0.01	<0.01		<0.01		
3/30/2017						<0.01	
4/3/2017							<0.01
9/27/2017		<0.01	<0.01				
9/29/2017	<0.01			<0.01	<0.01	<0.01	
10/3/2017							<0.01
3/15/2018	<0.01	<0.01		<0.01	<0.01	<0.01	
3/16/2018			<0.01				
3/19/2018							<0.01
9/13/2018	<0.01	<0.01	<0.01	<0.01	<0.01		
9/14/2018						<0.01	
9/17/2018							<0.01
3/15/2019		<0.01		<0.01			
3/18/2019	<0.01				<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/19/2019			<0.01			<0.01	
3/20/2019							<0.01
9/11/2019	<0.01		<0.01	<0.01 (D)	<0.01	<0.01	
9/12/2019		<0.01					
9/16/2019							<0.01
3/9/2020		<0.01	0.00075 (J)	<0.01		<0.01	
3/10/2020	<0.01						
3/11/2020					<0.01		
3/16/2020							<0.01
9/11/2020					<0.01		
9/14/2020	<0.01	<0.01		<0.01		<0.01	
9/15/2020			<0.01				
9/16/2020							<0.01
3/11/2021	<0.01	<0.01	<0.01	<0.01			
3/15/2021					<0.01	<0.01	
3/17/2021							<0.01
8/4/2021				<0.01			
8/5/2021	<0.01	<0.01	<0.01			<0.01	
8/9/2021							<0.01
8/11/2021					<0.01		
1/31/2022	<0.01			<0.01			
2/1/2022		<0.01	<0.01		<0.01	<0.01	
2/2/2022							<0.01
8/15/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/16/2022							<0.01
2/14/2023	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
2/20/2023							<0.01
7/26/2023	<0.01			0.0028 (J)			
7/27/2023		<0.01	<0.01		<0.01	<0.01	
7/28/2023							<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	<0.01					
8/23/2007						<0.01
10/25/2007	<0.01					
11/1/2007						<0.01
11/19/2007						0.0052
11/20/2007	<0.01					
1/15/2008						0.0065
1/23/2008	0.007					
3/6/2008						0.0028
3/11/2008	0.0033					
5/13/2008						<0.01
5/14/2008	0.0043					
12/11/2008	<0.01					
12/12/2008						<0.01
4/16/2009						0.0033
4/23/2009	<0.01					
10/9/2009	0.0043					
10/13/2009						<0.01
4/21/2010						<0.01
5/4/2010	0.0027					
9/29/2010						<0.01
10/11/2010	0.0034					
4/13/2011						<0.01
4/26/2011	<0.01					
10/5/2011						<0.01
10/18/2011	<0.01			<0.01		
4/4/2012						<0.01
4/30/2012				<0.01		
5/2/2012	<0.01					
10/3/2012				<0.01		
10/8/2012	<0.01					<0.01
4/8/2013				<0.01		<0.01
4/10/2013	<0.01					
10/8/2013	<0.01					
10/9/2013				<0.01		<0.01
4/9/2014						<0.01
4/10/2014				0.005 (J)		
4/14/2014	0.005 (J)					
9/30/2014						<0.01
10/2/2014				<0.01		
10/3/2014	0.0016 (J)					
4/1/2015	0.0021 (J)					
4/2/2015						<0.01
4/3/2015				<0.01		
5/26/2015		<0.01			<0.01	
6/18/2015		<0.01 (D)			0.005 (D)	
7/2/2015		<0.01			<0.01	
10/8/2015				0.0056	<0.01	
10/9/2015	<0.01	<0.01				
10/10/2015						0.0032 (JD)
3/22/2016					<0.01	
3/29/2016	<0.01	<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				<0.01		<0.01
8/1/2016	<0.01	<0.01				
8/2/2016			<0.01	<0.01	<0.01	
8/5/2016						<0.01
4/6/2017	<0.01	<0.01	<0.01	<0.01		<0.01
4/7/2017					<0.01	
10/3/2017	<0.01	<0.01	<0.01		<0.01	<0.01
10/4/2017				<0.01		
3/19/2018	<0.01					
3/20/2018		<0.01	<0.01		<0.01	<0.01
3/21/2018				<0.01		
9/17/2018	<0.01	<0.01				
9/18/2018			<0.01	<0.01	<0.01	<0.01 (D)
3/21/2019	<0.01	<0.01	<0.01			<0.01
3/27/2019				<0.01		
5/6/2019					<0.01	
9/13/2019			<0.01			
9/16/2019	<0.01	<0.01		<0.01 (D)	<0.01	<0.01
3/12/2020	<0.01	<0.01	<0.01	<0.01		<0.01
3/16/2020					<0.01	
9/16/2020	<0.01	<0.01	<0.01			
9/17/2020				<0.01	<0.01	<0.01
3/17/2021	<0.01	<0.01	<0.01	<0.01		
3/18/2021					<0.01	<0.01
8/10/2021	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/2/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/17/2022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
2/17/2023	<0.01	<0.01				
2/20/2023			<0.01		<0.01	
2/21/2023				<0.01		0.003 (J)
7/28/2023		<0.01				
7/31/2023	<0.01		<0.01	<0.01	<0.01	<0.01

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
8/23/2007	0.032 (O)	0.0033	0.0079			0.066	
10/23/2007	0.0099						
10/24/2007		0.043 (O)	<0.02				
11/2/2007						0.055	
11/18/2007	0.0095 (J)	0.024	0.015			0.13	
1/30/2008	0.022 (O)						
1/31/2008		0.015	0.063 (O)			0.13	
3/10/2008	0.014		0.013 (J)				
3/11/2008		0.027				0.07	
5/6/2008		0.0032					
5/13/2008	0.0075		0.0072				
5/14/2008						0.12	
12/4/2008		0.081 (O)	0.011 (J)				
12/5/2008	0.0056 (J)					0.088	
4/15/2009	0.0033					0.068	
4/21/2009		0.0057	0.0041				
10/7/2009	0.061 (O)	<0.02					
10/8/2009			<0.02			0.075	
4/21/2010			<0.02				
4/26/2010		<0.02					
4/28/2010						0.071	
5/3/2010	0.0033						
9/28/2010			0.0081				
10/4/2010		0.0057					
10/6/2010						0.074	
10/12/2010	0.0041						
4/12/2011			0.0025				
4/13/2011		<0.02					
4/21/2011						0.047	
4/27/2011	<0.02						
10/4/2011			0.0027				
10/5/2011		<0.02					
10/13/2011						0.073	
10/17/2011	0.0046						
4/3/2012			<0.02				
4/11/2012		<0.02					
5/1/2012						0.0652	
5/2/2012	<0.02						
10/8/2012	0.0053						
10/9/2012		<0.02	0.0064			0.061	
4/11/2013			<0.02			0.053	
4/12/2013	0.006						
4/15/2013		0.0038					
10/15/2013		0.0044					
10/16/2013	0.0048		<0.02			0.047	
4/10/2014			0.0026				
4/11/2014	0.0033						
4/22/2014		0.0025 (J)					
4/23/2014						0.041	
9/30/2014	0.002 (J)	0.00076 (J)	0.0012 (J)				
10/4/2014						0.044 (V)	
3/30/2015	0.012	0.0024 (J)	0.013				

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/31/2015						0.12	
10/12/2015						0.053	
10/13/2015	0.011	0.0017 (J)	0.0043				
3/14/2016					<0.02		
3/15/2016							<0.02
3/22/2016	0.00346 (J)						
3/23/2016		<0.02	<0.02			0.0532	
5/11/2016					0.00467 (J)		<0.02
5/16/2016				<0.02 (D)			
7/19/2016					<0.02 (*)		
7/21/2016							<0.02 (*)
7/27/2016				<0.02 (*)			
7/29/2016	<0.02	<0.02	<0.02			0.0446	
9/15/2016					0.0044 (J)		<0.02
11/2/2016					0.0043 (J)		
11/3/2016							<0.02
1/17/2017							<0.02
1/18/2017					<0.02 (*)		
2/21/2017				0.0049 (J)			
3/24/2017							<0.02 (*)
3/27/2017				<0.02 (*)			
3/28/2017					<0.02 (*)		
3/30/2017	<0.02	<0.02				0.0479	
4/3/2017			<0.02				
9/26/2017					0.0029 (J)		0.0019 (J)
9/29/2017				0.0012 (JD)			
10/2/2017	<0.02	<0.02	<0.02				
10/4/2017						0.0429	
3/14/2018					<0.02		<0.02
3/16/2018	<0.02		<0.02	0.0042 (J)			
3/19/2018		<0.02				<0.02	
9/12/2018					<0.02		<0.02
9/14/2018		<0.02	<0.02	<0.02			
9/17/2018	<0.02 (D)					0.04	
3/13/2019							<0.02
3/14/2019				0.0035 (J)			
3/15/2019					0.0023 (J)		
3/19/2019			<0.02				
3/20/2019	<0.02	<0.02				0.028	
9/9/2019					0.0047 (J)		0.0058 (J)
9/12/2019	0.0047 (J)	0.00505 (JD)					
9/13/2019			0.0078 (J)			0.036	
3/9/2020				0.009 (J)	0.0035 (J)		0.002 (J)
3/11/2020	0.0035 (J)	0.0028 (J)	0.0038 (J)			0.031	
9/10/2020					<0.02		
9/11/2020							<0.02
9/15/2020	<0.02	<0.02	<0.02				
9/16/2020				<0.02			
3/10/2021							<0.02
3/12/2021					0.0065 (J)		
3/16/2021	0.0091 (J)		<0.02	<0.02			
3/17/2021		<0.02					

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)
3/29/2021						<0.02	
8/4/2021					<0.02		<0.02
8/6/2021				<0.02			
8/9/2021	<0.02	<0.02	<0.02			<0.02	
1/31/2022					<0.02		<0.02
2/1/2022	<0.02	<0.02	<0.02				
2/2/2022				<0.02		<0.02	
8/10/2022					<0.02		
8/12/2022							<0.02
8/16/2022	<0.02	<0.02	<0.02	<0.02		<0.02	
2/13/2023					<0.02		<0.02
2/14/2023				<0.02			
2/16/2023	<0.02	<0.02	<0.02				
2/17/2023						<0.02	
7/25/2023				<0.02			
7/26/2023					<0.02		<0.02
7/27/2023	<0.02	0.011 (J)	<0.02				
8/1/2023						<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
12/12/2008							0.048 (O)
4/23/2009							0.0075
10/6/2009							0.0075
4/27/2010							0.0051
9/30/2010							0.0089
4/14/2011							0.0043
10/5/2011							0.0051
4/11/2012							<0.02
10/2/2012							0.006
4/9/2013							0.0034
10/15/2013							0.0042
4/10/2014							0.0035
10/1/2014							0.0019 (J)
3/30/2015							0.0032
10/11/2015							0.0048
3/11/2016			0.00862 (J)	0.0093 (J)	0.00722 (J)		
3/15/2016	<0.02	0.00286 (J)					
3/28/2016							0.00282 (J)
5/12/2016	<0.02						
5/13/2016		<0.02		0.00336 (J)	0.00666 (J)		
5/16/2016			0.00744 (J)				
7/19/2016				<0.02 (*)	<0.02 (*)		
7/20/2016	<0.02						
7/21/2016		<0.02 (*)					
7/22/2016			<0.02 (*)				
8/1/2016							<0.02
9/15/2016	0.0027 (J)						
9/16/2016				0.0023 (J)	<0.02		
9/19/2016			0.0162				
9/21/2016		<0.02					
11/2/2016				0.0047 (J)	0.0057 (J)		
11/3/2016	<0.02	<0.02	0.011				
1/17/2017		<0.02	0.0104				
1/18/2017	<0.02 (*)			<0.02	0.0022 (J)		
3/24/2017	<0.02 (*)						
3/27/2017		<0.02 (*)	<0.02 (*)				
3/28/2017				<0.02 (*)	<0.02		
4/7/2017						<0.02	<0.02
9/22/2017				0.0013 (J)	0.0014 (J)		
9/25/2017	<0.02	0.0023 (J)					
9/26/2017			0.0094 (J)				
10/2/2017							0.0015 (J)
10/3/2017						<0.02 (D)	
3/14/2018	<0.02	<0.02	<0.02	<0.02			
3/15/2018					<0.02		
3/16/2018							<0.02
3/21/2018						<0.02	
9/12/2018	<0.02	<0.02		<0.02	<0.02		
9/14/2018			<0.02				
9/17/2018							<0.02
9/18/2018						<0.02	
3/13/2019				0.0022 (J)	0.0023 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)
3/14/2019	<0.02	0.0021 (J)	0.01				
3/19/2019							<0.02
3/21/2019						0.0034 (JD)	
9/10/2019	0.00745 (JD)	0.0075 (J)	0.014				
9/11/2019				0.0065 (J)	0.0053 (J)		
9/12/2019						0.0072 (JD)	
9/13/2019							0.0061 (J)
3/6/2020	0.0027 (J)		0.012				
3/9/2020		0.0024 (J)		0.002 (J)	0.0022 (J)		
3/11/2020							0.0025 (J)
3/12/2020						0.0027 (J)	
9/10/2020	<0.02	<0.02	0.0073 (J)				
9/11/2020				<0.02			
9/14/2020					<0.02		
9/16/2020							<0.02
9/17/2020						0.0047 (J)	
3/10/2021		<0.02					
3/11/2021	<0.02		0.0089 (J)	<0.02	<0.02		
3/16/2021						<0.02	
3/17/2021							<0.02
8/4/2021	<0.02	<0.02	<0.02				
8/5/2021					<0.02		
8/6/2021				<0.02			
8/9/2021							<0.02
8/10/2021						<0.02	
1/31/2022	<0.02	<0.02	<0.02	<0.02	<0.02		
2/1/2022							<0.02
2/3/2022						<0.02	
8/10/2022			0.0089 (J)		<0.02		
8/11/2022	<0.02	<0.02		<0.02			
8/16/2022							<0.02
8/17/2022						<0.02	
2/13/2023	<0.02	<0.02	0.011 (J)		<0.02		
2/14/2023				<0.02			
2/16/2023							<0.02
2/17/2023						<0.02	
7/25/2023	<0.02	<0.02		<0.02	<0.02		
7/26/2023			<0.02				
7/28/2023						<0.02	<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
8/21/2007		0.031	0.0066	<0.02	<0.02	0.036	0.0064
11/1/2007		0.0041	0.0086	<0.02	<0.02	0.0041	<0.02
11/18/2007				<0.02	<0.02		
11/19/2007						0.015	0.015
11/20/2007		0.056	0.005				
1/16/2008						0.074	
1/30/2008		0.032	0.0084	<0.02	<0.02		
1/31/2008							0.032 (O)
3/5/2008				<0.02		0.055	0.0061
3/6/2008		0.03	0.0073		0.0038		
5/7/2008				0.015	<0.02		
5/8/2008			0.0084				
5/12/2008		0.008					0.012
5/13/2008						0.035	
12/12/2008	0.013 (J)						
12/13/2008		0.056				0.012 (J)	0.087 (O)
12/14/2008			0.0075 (J)	0.0086 (J)	0.0031 (J)		
4/16/2009						0.053	
4/23/2009	0.075 (O)						
4/28/2009							0.067 (O)
4/29/2009		0.057	0.0028	0.0037	0.0031		
10/6/2009	0.056 (O)						
10/20/2009		0.0037					
10/21/2009			<0.02			0.0063	0.025 (O)
10/22/2009				<0.02	0.0029		
4/21/2010			<0.02	<0.02	0.0027		
4/26/2010		<0.02					
4/27/2010						0.045	
4/28/2010							0.014
5/3/2010	0.051 (O)						
9/28/2010			0.005	0.0042			
9/29/2010		0.012			<0.02		
10/5/2010						0.0047	0.012
10/11/2010	0.016						
4/12/2011			<0.02	<0.02			
4/13/2011		<0.02			<0.02		
4/19/2011						0.0068	0.012
4/27/2011	0.025 (O)						
10/4/2011			0.0088	0.012	0.003		
10/5/2011		0.0031					
10/12/2011						0.0048	
10/18/2011							0.025
10/19/2011	0.0078						
4/3/2012			<0.02	<0.02			
4/4/2012		<0.02			<0.02		
4/24/2012						<0.02	
4/25/2012							0.014
5/1/2012	0.0134						
10/2/2012	0.012					<0.02	0.0089
10/3/2012		0.0085		<0.02	0.0029		
10/8/2012			0.0034				
4/2/2013						0.0081	0.0082

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
4/3/2013		0.0061	<0.02	<0.02	0.0035		
4/10/2013	0.018						
10/8/2013							0.015
10/9/2013				<0.02	<0.02	0.0032	
10/15/2013		0.008	0.0027				
10/16/2013	0.015						
4/1/2014						0.0025 (J)	0.0074
4/2/2014				0.0063	0.0033		
4/9/2014		0.0048	0.0025 (J)				
4/22/2014	0.015						
10/1/2014	0.0038						0.00077 (J)
10/2/2014		0.0023 (JV)	0.0027 (V)	0.0023 (J)	0.0027	0.0023 (J)	
3/30/2015	0.0097						
4/1/2015				0.0017 (J)	0.013	0.0035	0.0082
4/2/2015		0.0023 (J)	0.002 (J)				
10/10/2015		0.0024 (J)					
10/11/2015	0.0024 (J)			0.0016 (J)	0.017		
10/12/2015			<0.02				
10/14/2015						0.0066	
10/15/2015							0.0082
3/28/2016	0.00703 (J)						
3/31/2016		<0.02	0.00266 (J)				
4/4/2016				<0.02	0.00419 (J)	0.00858 (J)	0.00818 (J)
8/1/2016	<0.02						
8/3/2016			<0.02	<0.02		<0.02	
8/4/2016					<0.02		<0.02
8/5/2016		<0.02					
4/3/2017	<0.02						
4/10/2017		<0.02	<0.02	<0.02	<0.02		
4/11/2017						<0.02	
4/12/2017							<0.02
10/2/2017	0.0016 (J)						
10/4/2017		0.0012 (J)	<0.02	0.0014 (J)	0.0014 (J)	0.0104	
10/9/2017							<0.02
3/16/2018	<0.02						
3/20/2018		<0.02					
3/21/2018			<0.02	<0.02			<0.02
3/22/2018					<0.02	0.014	
9/18/2018	<0.02	<0.02	<0.02	<0.02	<0.02	0.013	
9/19/2018							<0.02
3/19/2019	<0.02						
3/22/2019		<0.02	<0.02				
3/23/2019				<0.02	<0.02	0.012	0.021
9/12/2019	0.0058 (J)						
9/17/2019		0.0052 (J)	0.0048 (J)	0.0056 (J)	0.0075 (J)	0.018 (D)	
9/18/2019							0.007 (J)
3/11/2020	0.0033 (J)						
3/12/2020		0.0024 (J)	0.0027 (J)	0.0038 (J)	0.0053 (J)	0.015	
3/13/2020							0.0043 (J)
9/15/2020	<0.02						
9/17/2020		<0.02	<0.02				
9/21/2020				<0.02	0.0037 (J)	0.0065 (J)	

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R (bg)	GWC-10	GWC-10R	GWC-11	GWC-11R	GWC-12	GWC-13
9/22/2020							<0.02
3/17/2021	<0.02						
3/18/2021		<0.02	<0.02				<0.02
3/19/2021				<0.02	<0.02	0.0076 (J)	
8/9/2021	<0.02						
8/10/2021		<0.02					
8/11/2021			<0.02	<0.02	<0.02	0.011 (J)	<0.02
2/2/2022	<0.02					0.019 (J)	
2/4/2022		<0.02	<0.02	<0.02	<0.02		
2/17/2022							<0.02
8/17/2022	<0.02	<0.02					
8/18/2022			<0.02	<0.02	<0.02	0.014 (J)	<0.02
2/16/2023	<0.02						
2/20/2023		<0.02	<0.02	<0.02	<0.02		
2/21/2023						<0.02	
2/22/2023							<0.02
7/28/2023	<0.02						
7/31/2023		<0.02	<0.02				
8/1/2023				<0.02	<0.02	<0.02	<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
8/21/2007	<0.02						
8/23/2007			0.0038				
8/24/2007		0.0036 (J)		0.052 (O)			
11/1/2007	0.0038						
11/2/2007		0.0026 (J)	0.0025	0.01 (J)			
11/17/2007		0.024 (O)	0.023 (O)				
11/18/2007				0.025 (J)			
11/19/2007	0.0055						
1/15/2008		0.0074	0.012	0.055 (O)			
1/31/2008	0.0063						
3/5/2008	0.0037	0.075 (O)					
3/6/2008			0.0069				
3/10/2008				0.018			
5/7/2008	0.0033	0.0088	0.007				
5/13/2008				0.0044			
12/2/2008		0.11 (O)	0.021 (O)	0.065 (O)			
12/12/2008	0.097 (O)						
4/16/2009		0.091 (O)					
4/28/2009			0.0055	0.0037 (J)			
4/29/2009	0.068 (O)						
10/19/2009			0.0051				
10/20/2009		0.056 (O)		0.0043			
10/21/2009	0.011						
4/20/2010		0.014					
4/27/2010			0.0068	<0.02			
4/28/2010	0.048 (O)						
9/29/2010		0.015					
10/4/2010			0.0074				
10/5/2010				0.0028			
10/6/2010	0.003						
4/12/2011		0.0028					
4/18/2011			0.0031				
4/19/2011				<0.02			
4/20/2011	0.0038						
10/4/2011		0.0025					
10/12/2011	0.0027		0.0067	<0.02			
4/4/2012		0.0105					
4/23/2012			<0.02				
4/25/2012	<0.02			<0.02			
10/2/2012	0.0059						
10/10/2012		0.0033	0.0046	<0.02			
4/2/2013	0.008						
4/15/2013		0.0031	0.006				
4/16/2013				0.005			
10/8/2013	0.0062						
10/22/2013		<0.02	0.0037	0.0028			
4/1/2014	0.0067						
4/21/2014		0.0032	0.0073	0.0028			
9/30/2014		0.0015 (J)	0.0027	0.0018 (J)			
10/1/2014	0.0024 (J)						
3/31/2015	0.0046						
4/3/2015		0.0015 (J)	0.0017 (J)	0.0021 (J)			

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
10/6/2015				<0.02			
10/7/2015		<0.02	0.0042				
10/14/2015	0.002 (J)						
3/16/2016					0.00424 (J)	0.00244 (J)	0.00697 (J)
4/4/2016	<0.02						
4/5/2016		<0.02	0.00573 (J)	0.00288 (J)			
5/16/2016					0.00345 (J)	<0.02 (D)	0.00452 (JD)
7/25/2016					<0.02 (*)	0.006 (J*D)	0.0065 (*JD)
8/4/2016			<0.02				
8/9/2016		0.0016 (J)					
9/19/2016					0.004 (J)	0.0061 (JD)	0.0034 (JD)
11/3/2016					0.0047 (J)		0.0039 (JD)
11/4/2016						0.0032 (JD)	
1/19/2017					0.0035 (J)		
1/20/2017							0.0023 (JD)
1/23/2017						0.0031 (JD)	
3/28/2017					<0.02 (*)		
3/29/2017						0.00615 (*JD)	0.00705 (*JD)
4/11/2017	<0.02	<0.02		<0.02			
4/12/2017			<0.02				
9/26/2017					0.0039 (J)		
9/27/2017						0.0048 (J)	0.0036 (J)
10/5/2017		0.0024 (J)					
10/6/2017	<0.02		0.0024 (J)	<0.02			
3/15/2018					<0.02	<0.02	<0.02
3/22/2018		<0.02					
3/23/2018	<0.02		<0.02	<0.02			
9/12/2018					<0.02		
9/13/2018						<0.02	<0.02
9/19/2018		<0.02	<0.02	<0.02			
9/20/2018	<0.02						
3/14/2019					0.0039 (J)	<0.02 (D)	0.0022 (JD)
3/22/2019	0.0048 (J)	<0.02		<0.02			
3/25/2019			0.0039 (J)				
9/11/2019					0.0068 (J)	0.0065 (JD)	0.0058 (JD)
9/17/2019		0.0057 (X)	0.0066 (J)	0.0048 (X)			
9/18/2019	0.0091 (X)						
3/10/2020					0.0049 (J)	0.0031 (J)	0.0035 (J)
3/13/2020		0.0028 (J)	0.0057 (J)	0.0026 (J)			
3/17/2020	0.0057 (J)						
9/11/2020						<0.02	<0.02
9/15/2020					0.0062 (J)		
9/21/2020		<0.02	0.0036 (J)	<0.02			
9/22/2020	<0.02						
3/11/2021					0.004 (J)	<0.02	<0.02
3/18/2021		<0.02	<0.02	<0.02			
3/19/2021	<0.02						
8/4/2021					<0.02		
8/6/2021						<0.02	<0.02
8/11/2021		<0.02	<0.02	<0.02			
8/12/2021	<0.02						
1/31/2022					<0.02		

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-14Z	GWC-15R	GWC-15Z	GWC-44	GWC-45	GWC-45R
2/1/2022						<0.02	<0.02
2/4/2022	<0.02	<0.02	<0.02				
2/7/2022				<0.02			
8/12/2022						<0.02	<0.02
8/15/2022					<0.02		
8/18/2022		<0.02					
8/19/2022	<0.02		<0.02	<0.02			
2/14/2023					<0.02	<0.02	<0.02
2/22/2023	<0.02	<0.02	<0.02	<0.02			
7/26/2023					<0.02	<0.02	<0.02
8/1/2023		<0.02		<0.02			
8/2/2023	<0.02		<0.02				

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
8/23/2007							0.016
10/25/2007							0.061
11/19/2007							0.053
1/23/2008							0.14
3/11/2008							0.13
5/12/2008							0.11
12/11/2008							0.04 (J)
4/15/2009							0.11
10/9/2009							0.15
5/4/2010							0.077
10/12/2010							0.077
4/28/2011							0.032
10/19/2011							0.11
5/2/2012							0.138
10/9/2012							0.097
4/11/2013							0.047
10/16/2013							0.098
4/23/2014							0.066
10/3/2014							0.13 (V)
3/31/2015							0.05
10/12/2015							0.048
3/10/2016	0.00337 (J)	0.027	0.0154	0.00618 (J)			
3/17/2016					<0.02	<0.02	
3/28/2016							0.0534
5/17/2016	0.00268 (J)			0.00672 (J)			
5/18/2016		0.0277	0.0136		<0.02	0.00208 (J)	
7/26/2016	<0.02 (*)						
7/27/2016		0.0221	0.0153	<0.02 (*)	<0.02 (*)		
7/28/2016						<0.02 (*)	
8/1/2016							0.055
9/20/2016	0.0058 (J)	0.03	0.0173	0.0081 (J)			
9/21/2016					<0.02	0.0079 (J)	
11/4/2016	0.0029 (J)		0.0149	0.0071 (J)	<0.02		
11/7/2016		0.0202				<0.02 (*)	
1/20/2017	<0.02		0.0134				
1/23/2017		0.0156		<0.02			
1/24/2017					<0.02	0.0053 (J)	
3/28/2017	<0.02 (*)			<0.02 (*)			
3/29/2017		<0.036 (*)	<0.01 (*)		<0.02 (*)		
3/30/2017						<0.02 (*)	
4/3/2017							0.0436
9/27/2017		0.0196	0.0111				
9/29/2017	0.0016 (J)			0.0055 (J)	<0.02	0.004 (J)	
10/3/2017							0.0393
12/28/2017		0.0315 (Y)					
3/15/2018	<0.02	<0.036		<0.02	<0.02	<0.02	
3/16/2018			0.012				
3/19/2018							<0.034
9/13/2018	<0.02	0.031	<0.01	<0.02	<0.02		
9/14/2018						<0.02	
9/17/2018							0.03
3/15/2019		0.051		0.0058 (J)			

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-47	GWC-47R	GWC-48	GWC-49R	GWC-49Z	GWC-5
3/18/2019	<0.02				<0.02		
3/19/2019			0.016			0.0034 (J)	
3/20/2019							0.032
9/11/2019	0.0055 (J)		0.028	0.011 (D)	0.005 (J)	0.0085 (J)	
9/12/2019		0.035					
9/16/2019							0.035
3/9/2020		0.044	0.032	0.0079 (J)		0.0047 (J)	
3/10/2020	0.0029 (J)						
3/11/2020					0.0036 (J)		
3/16/2020							0.047
9/11/2020					<0.02		
9/14/2020	<0.02	0.032		0.0076 (J)		0.0042 (J)	
9/15/2020			0.028				
9/16/2020							0.033
3/11/2021	<0.02	0.047	0.028	0.0088 (J)			
3/15/2021					<0.02	<0.02	
3/17/2021							0.027
8/4/2021				<0.02			
8/5/2021	<0.02	0.037	0.024			<0.02	
8/9/2021							0.036
8/11/2021					<0.02		
1/31/2022	<0.02			<0.02			
2/1/2022		0.038	0.029		<0.02	<0.02	
2/2/2022							0.034
8/15/2022	<0.02	0.027 (J)	0.04	0.0094 (J)	<0.02	<0.02	
8/16/2022							0.03
2/14/2023	<0.02	0.05	0.031	0.011 (J)	<0.02	<0.02	
2/20/2023							0.032
7/26/2023	<0.02			0.012 (J)			
7/27/2023		0.049	0.024		<0.02	<0.02	
7/28/2023							0.027

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
8/22/2007	0.04 (O)					
8/23/2007						0.011
10/25/2007	0.0062					
11/1/2007						0.012
11/19/2007						0.026 (J)
11/20/2007	0.03 (O)					
1/15/2008						0.075 (O)
1/23/2008	0.048 (O)					
3/6/2008						0.051 (O)
3/11/2008	0.016					
5/13/2008						0.0084
5/14/2008	0.02					
12/11/2008	0.021					
12/12/2008						0.077 (O)
4/16/2009						0.064 (O)
4/23/2009	0.0058 (J)					
10/9/2009	0.055 (O)					
10/13/2009						0.013
4/21/2010						0.0035
5/4/2010	0.045 (O)					
9/29/2010						0.0085
10/11/2010	0.015					
4/13/2011						0.0028
4/26/2011	0.0067					
10/5/2011						0.0038
10/18/2011	0.0055			0.0032		
4/4/2012						0.0126
4/30/2012				<0.02		
5/2/2012	<0.02					
10/3/2012				0.0034		
10/8/2012	0.0043					0.0043
4/8/2013				0.0039		0.0068
4/10/2013	0.0067					
10/8/2013	0.0091					
10/9/2013				0.0078		0.0082
4/9/2014						0.0043
4/10/2014				0.0064		
4/14/2014	0.0063					
9/30/2014						0.0029
10/2/2014				0.0009 (JV)		
10/3/2014	0.0065 (V)					
4/1/2015	0.0059					
4/2/2015						0.0056
4/3/2015				<0.02		
5/26/2015		0.0035			0.0017 (J)	
6/18/2015		0.0025 (D)			0.0052 (D)	
7/2/2015		0.0018 (J)			0.0027	
10/8/2015				0.013	<0.02	
10/9/2015	<0.02	0.0019 (J)				
10/10/2015						0.0065 (D)
3/22/2016					0.00459 (J)	
3/29/2016	<0.02	0.00345 (J)				

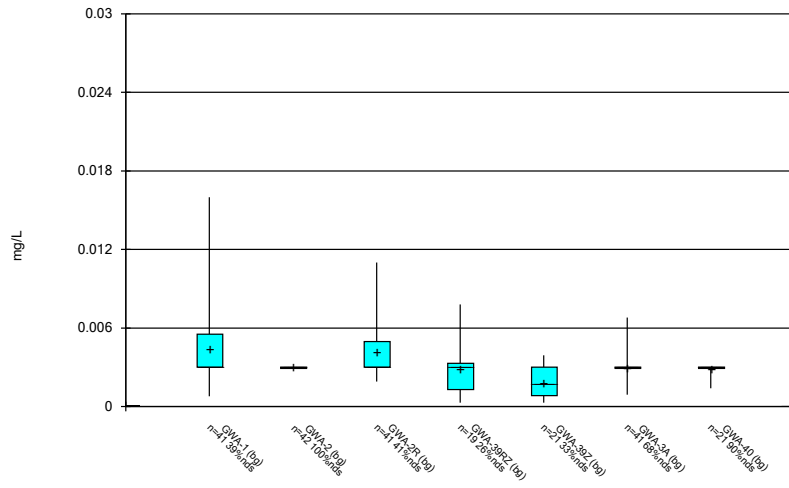
Time Series

Constituent: Zinc (mg/L) Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6RZ	GWC-7Z	GWC-8RR	GWC-8Z	GWC-9
3/30/2016				0.00323 (J)		0.00487 (J)
8/1/2016	<0.02	<0.02				
8/2/2016			<0.02	<0.02	<0.02	
8/5/2016						<0.02
4/6/2017	<0.02	<0.02	<0.02	<0.02		<0.02
4/7/2017					<0.02	
10/3/2017	<0.02	0.0014 (J)	<0.02		0.0022 (J)	0.0023 (J)
10/4/2017				<0.02		
3/19/2018	<0.02					
3/20/2018		<0.02	<0.02		<0.02	<0.02
3/21/2018				<0.02		
9/17/2018	<0.02	<0.02				
9/18/2018			<0.02	<0.02	<0.02	<0.02 (D)
3/21/2019	<0.02	<0.02	<0.02			0.0024 (J)
3/27/2019				<0.02		
5/6/2019					0.0024 (J)	
9/13/2019			0.0053 (J)			
9/16/2019	0.0058 (J)	0.0057 (J)		0.00525 (JD)	0.0065 (J)	0.0062 (J)
3/12/2020	0.0042 (J)	0.0032 (J)	0.0031 (J)	0.002 (J)		0.0045 (J)
3/16/2020					0.0073 (J)	
9/16/2020	<0.02	<0.02	<0.02			
9/17/2020				<0.02	<0.02	<0.02
3/17/2021	<0.02	<0.02	<0.02	<0.02		
3/18/2021					<0.02	<0.02
8/10/2021	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2/2/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
8/17/2022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
2/17/2023	<0.02	<0.02				
2/20/2023			<0.02		<0.02	
2/21/2023				<0.02		<0.02
7/28/2023		<0.02				
7/31/2023	<0.02		<0.02	<0.02	<0.02	<0.02

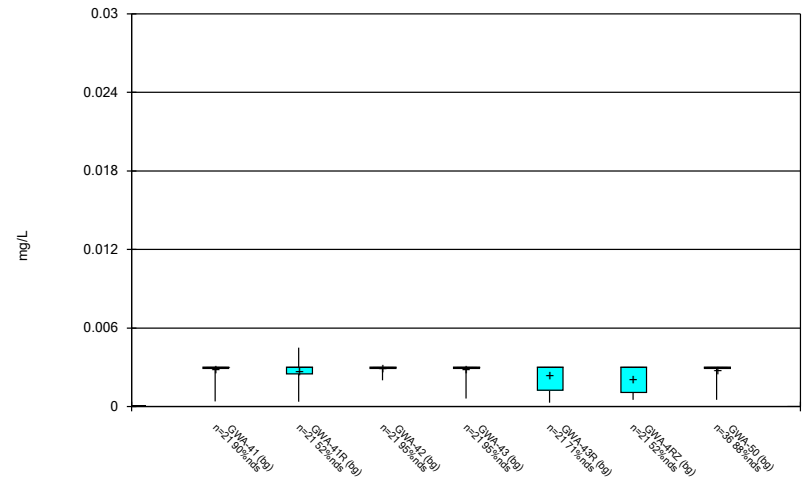
FIGURE B.

Box & Whiskers Plot



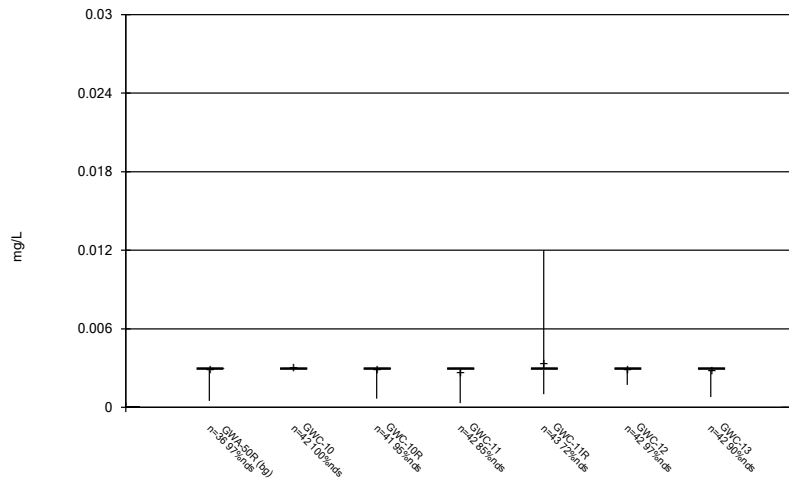
Constituent: Antimony Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



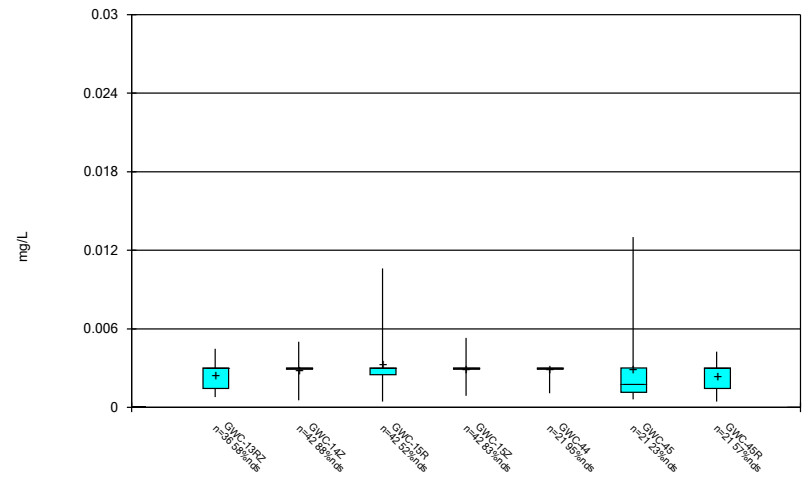
Constituent: Antimony Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



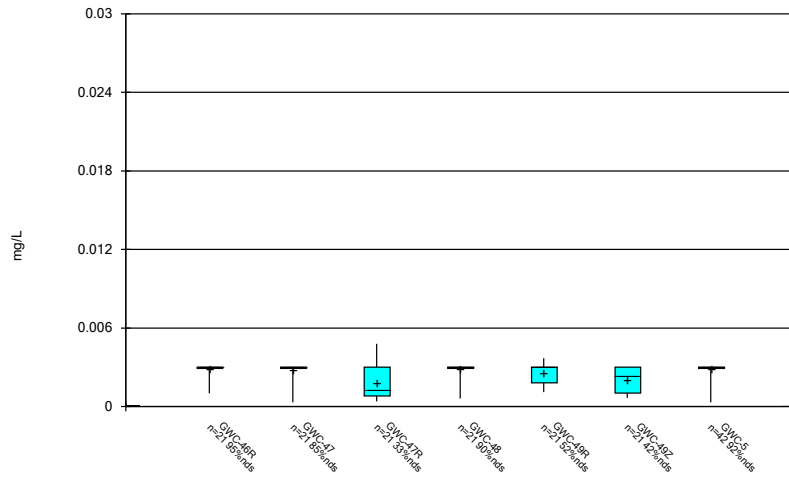
Constituent: Antimony Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



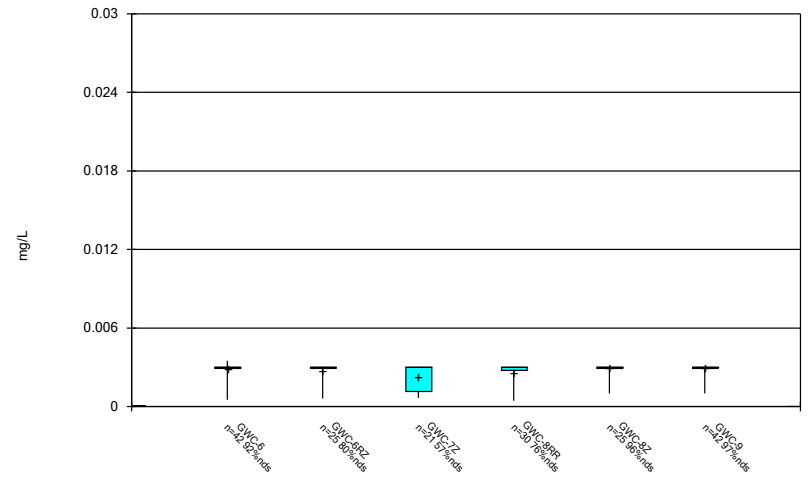
Constituent: Antimony Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



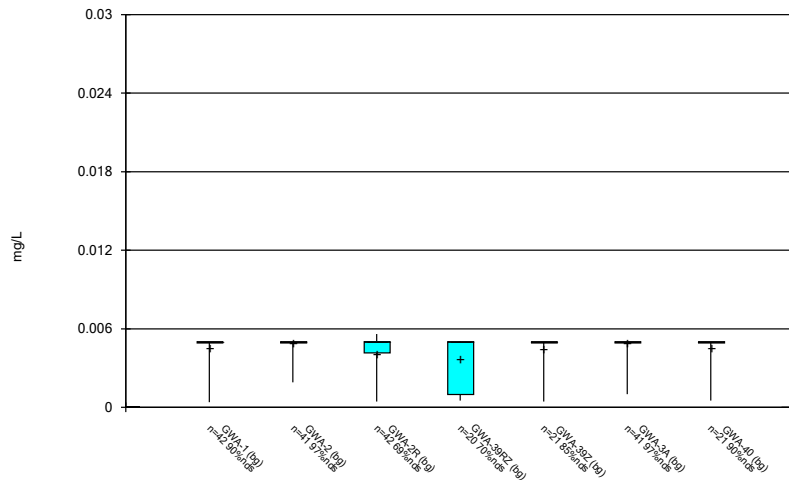
Constituent: Antimony Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



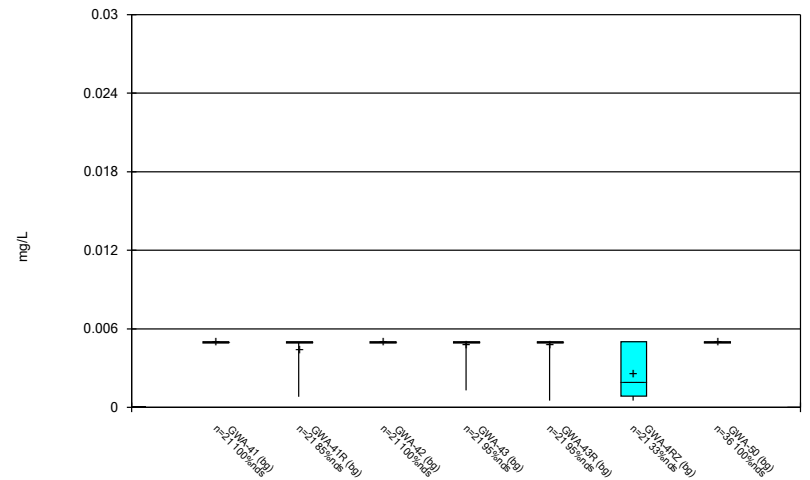
Constituent: Antimony Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



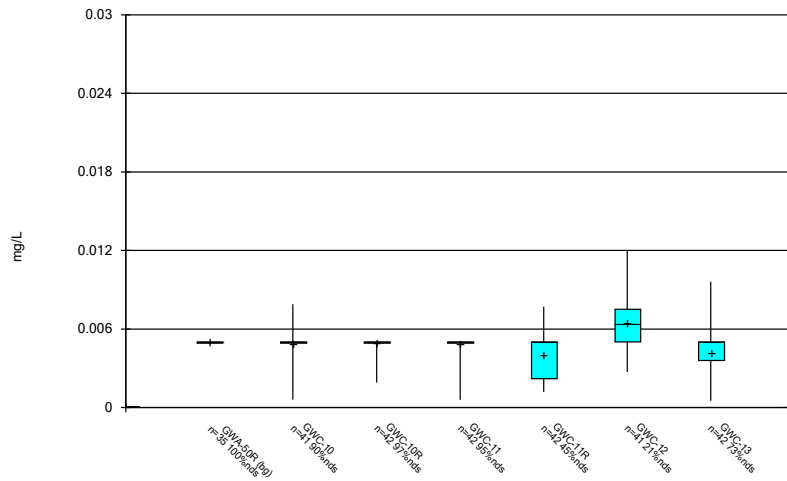
Constituent: Arsenic Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



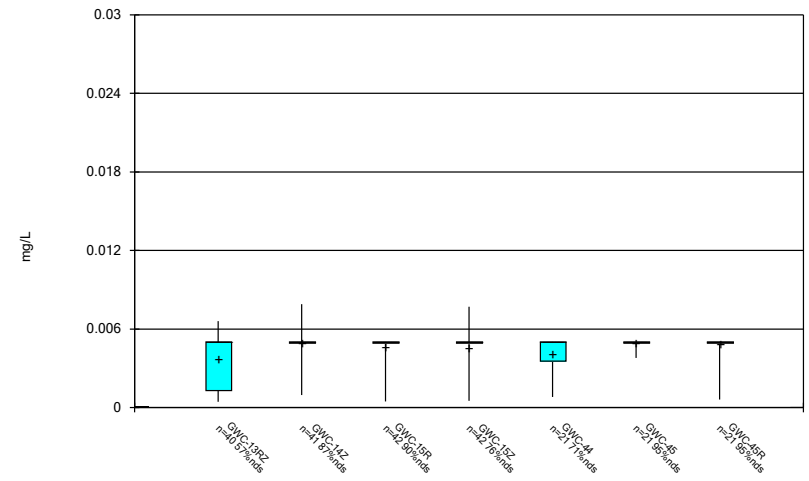
Constituent: Arsenic Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



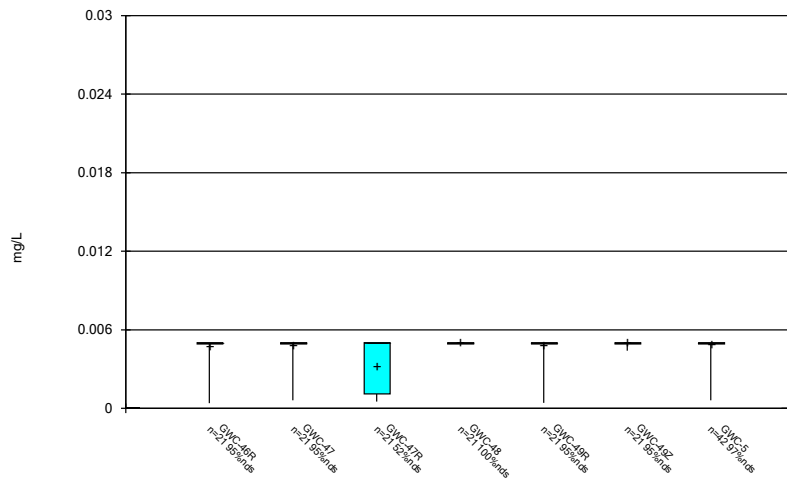
Constituent: Arsenic Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



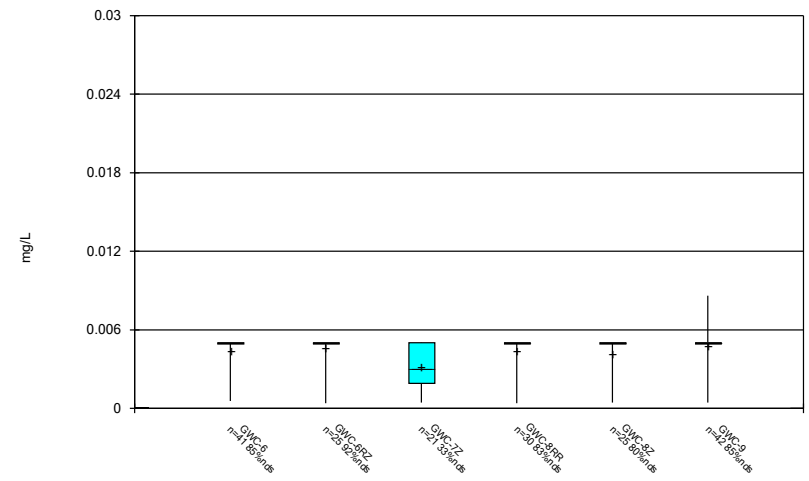
Constituent: Arsenic Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



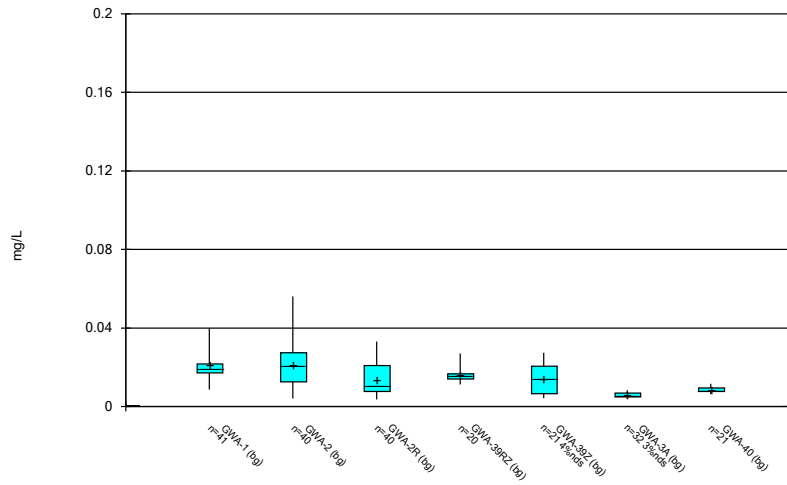
Constituent: Arsenic Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



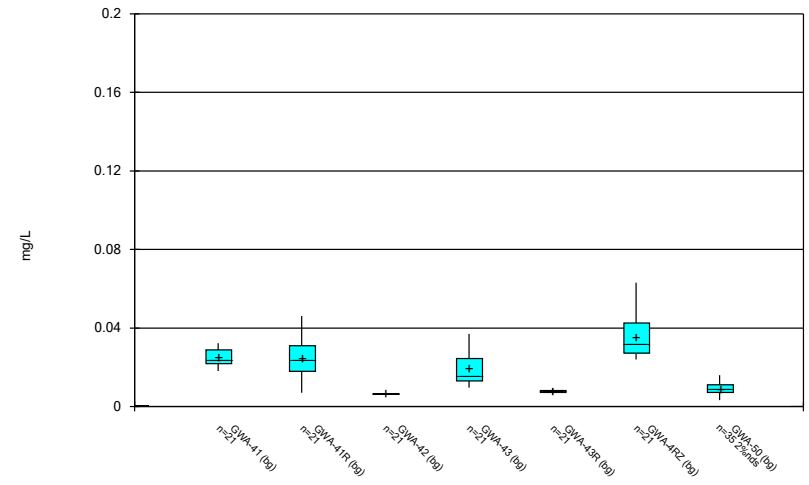
Constituent: Arsenic Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



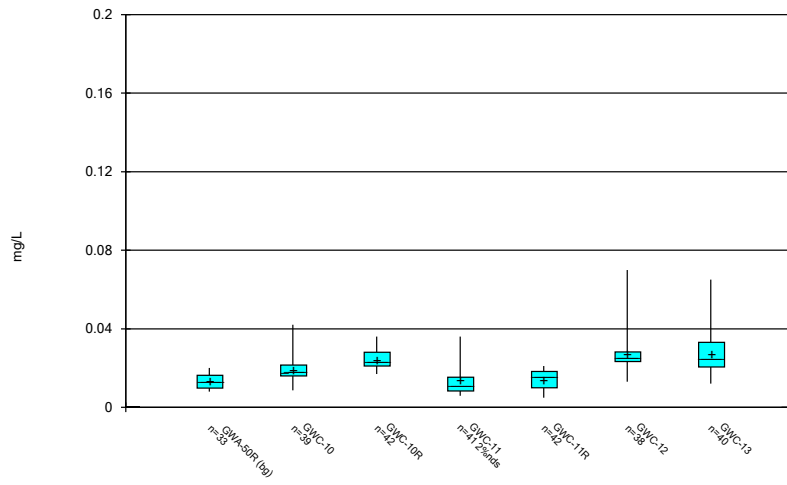
Constituent: Barium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



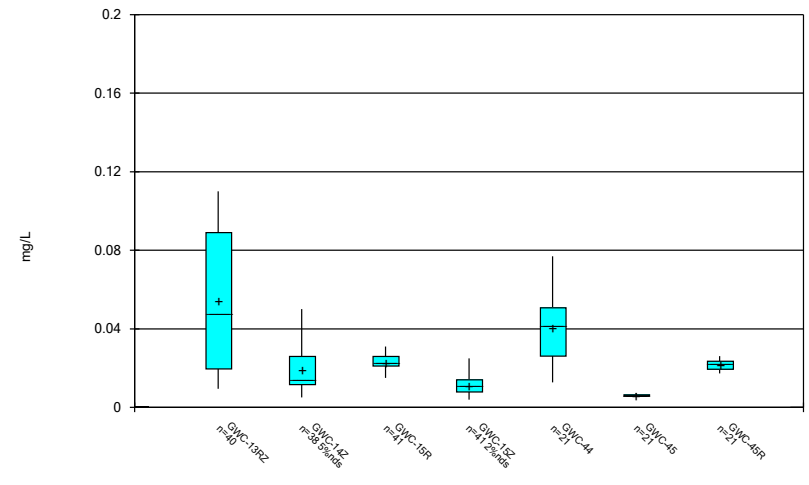
Constituent: Barium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



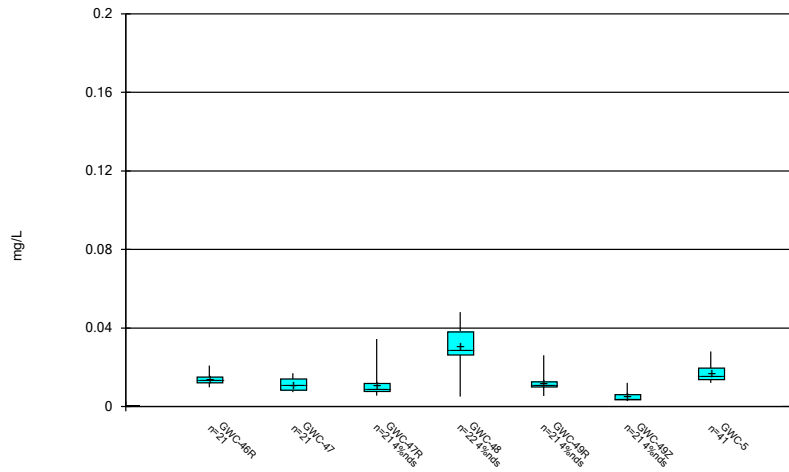
Constituent: Barium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



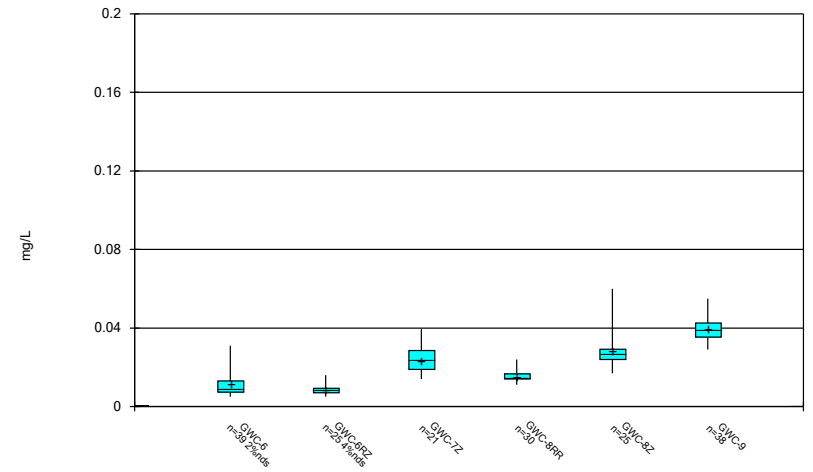
Constituent: Barium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



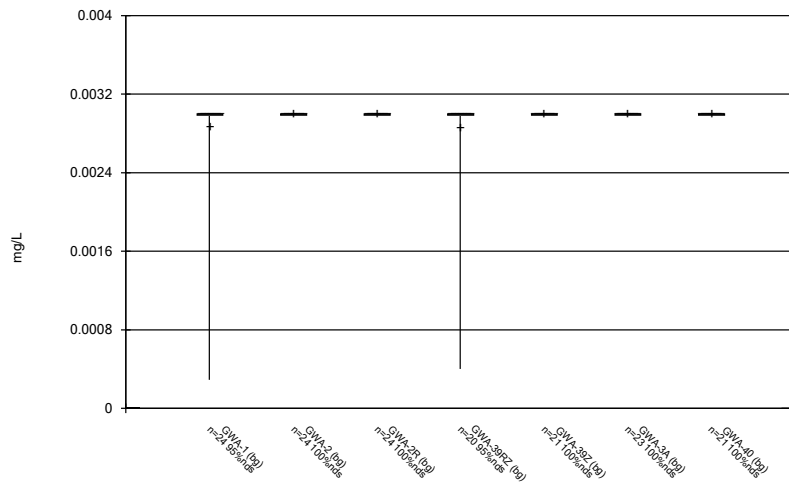
Constituent: Barium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



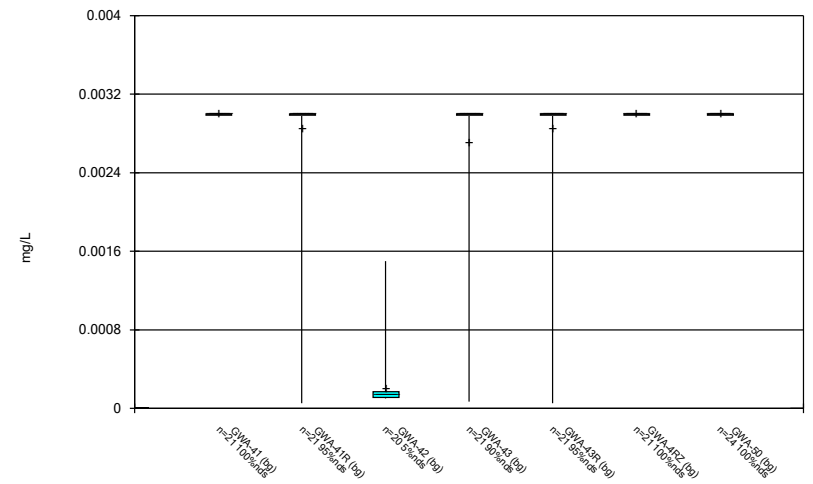
Constituent: Barium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



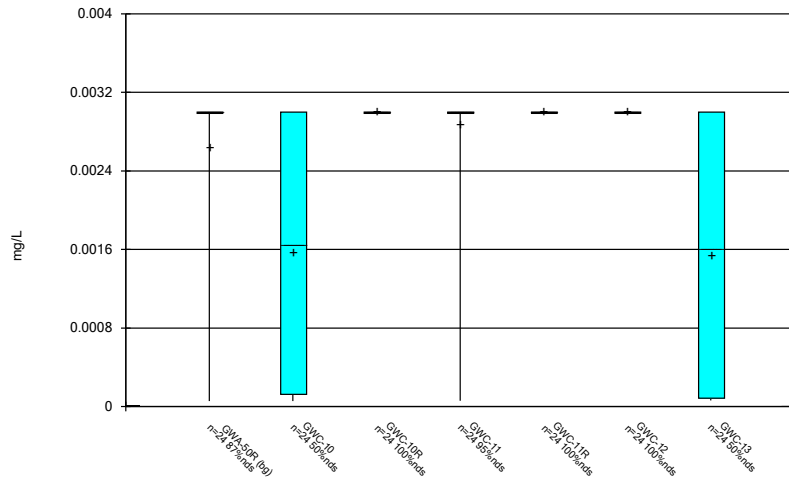
Constituent: Beryllium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



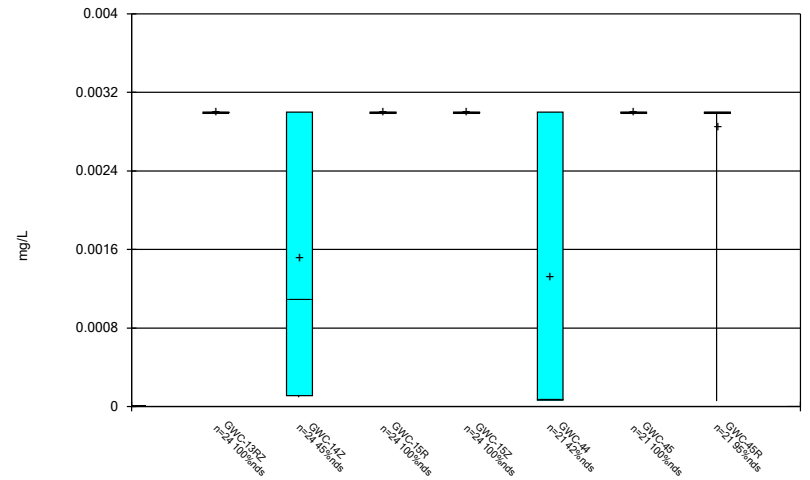
Constituent: Beryllium Analysis Run 9/14/2023 11:56 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



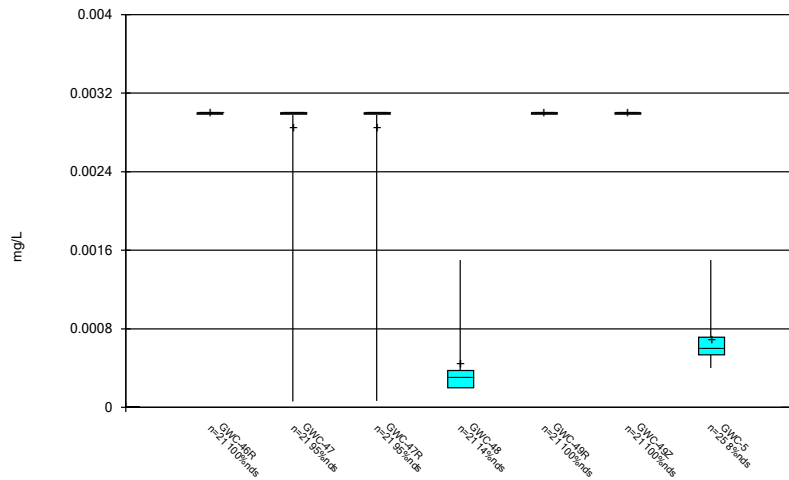
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



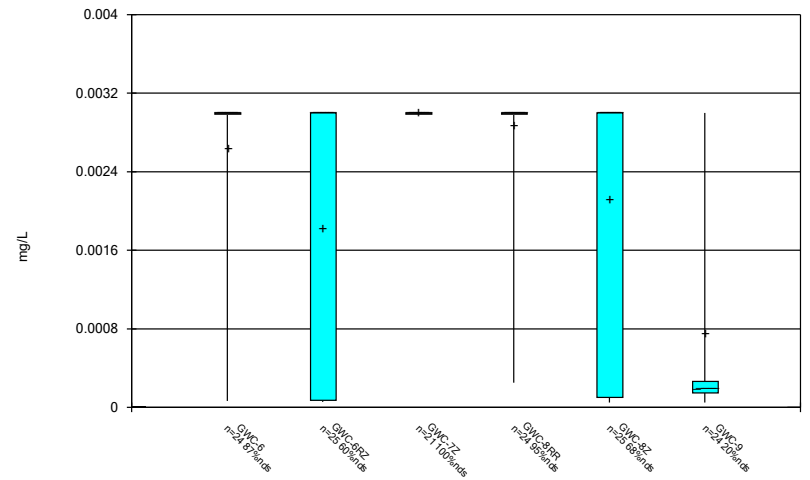
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



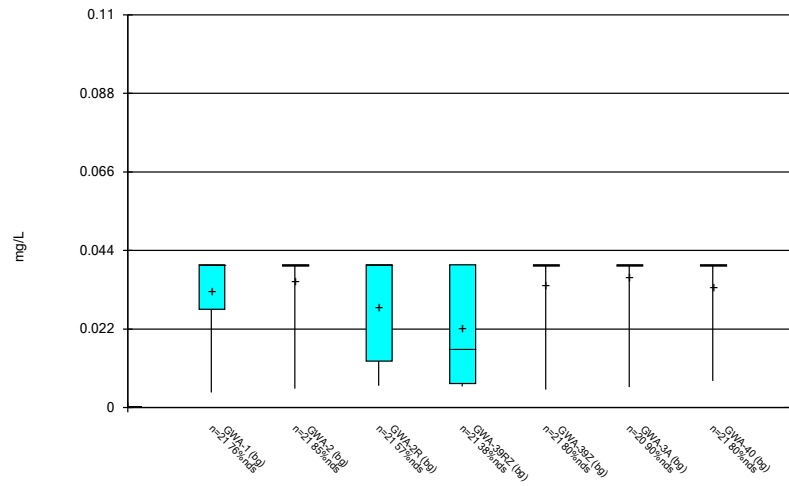
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Box & Whiskers Plot



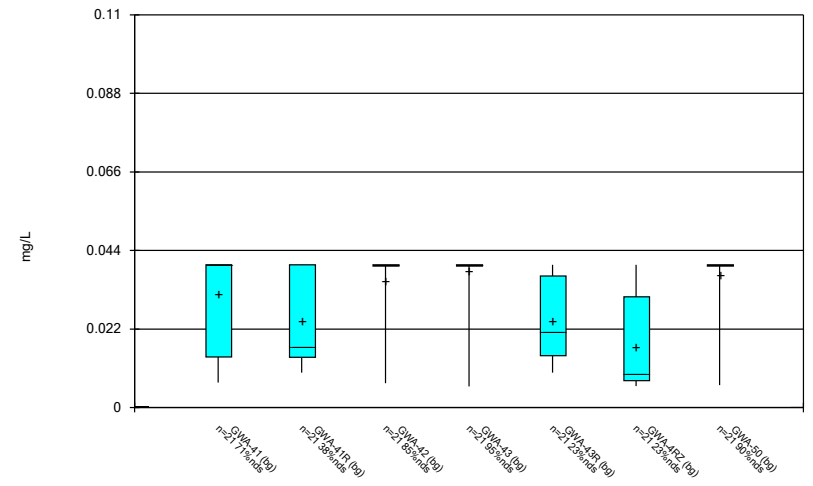
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Box & Whiskers Plot



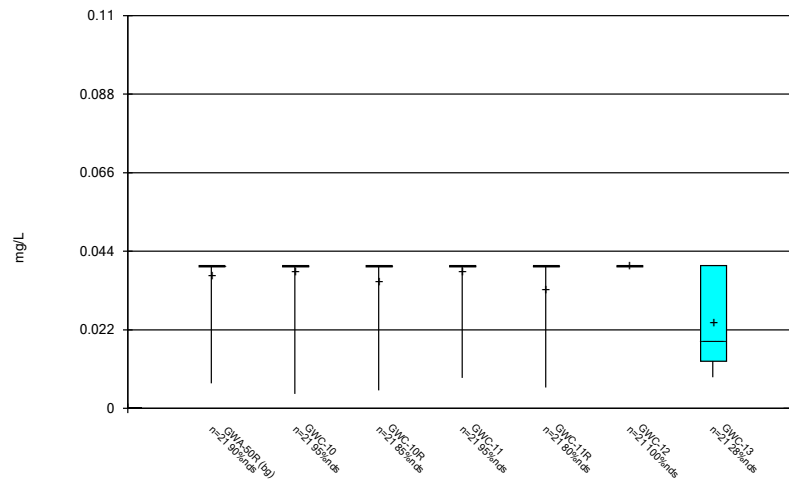
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Box & Whiskers Plot



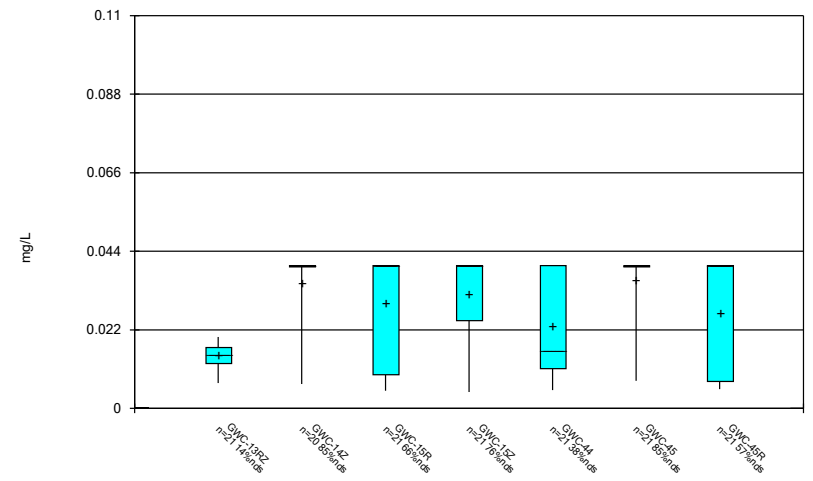
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Box & Whiskers Plot



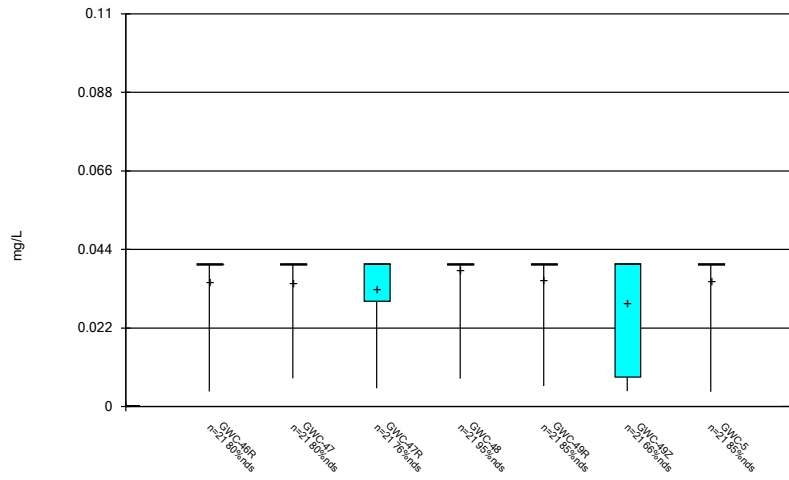
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Box & Whiskers Plot



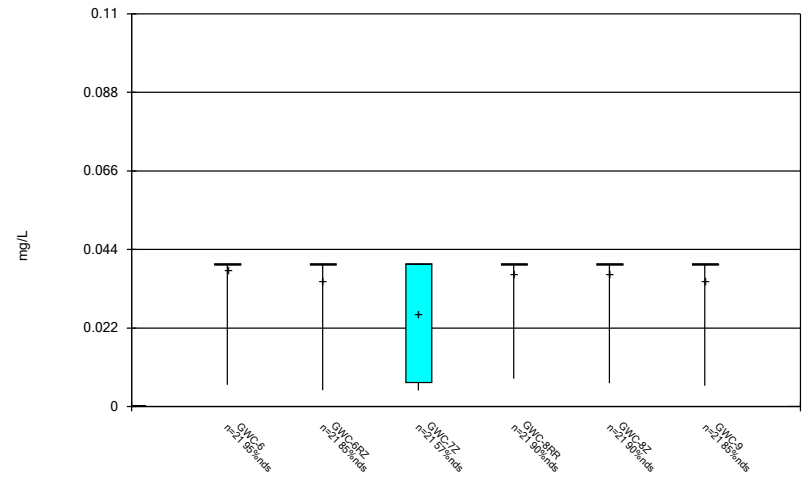
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Box & Whiskers Plot



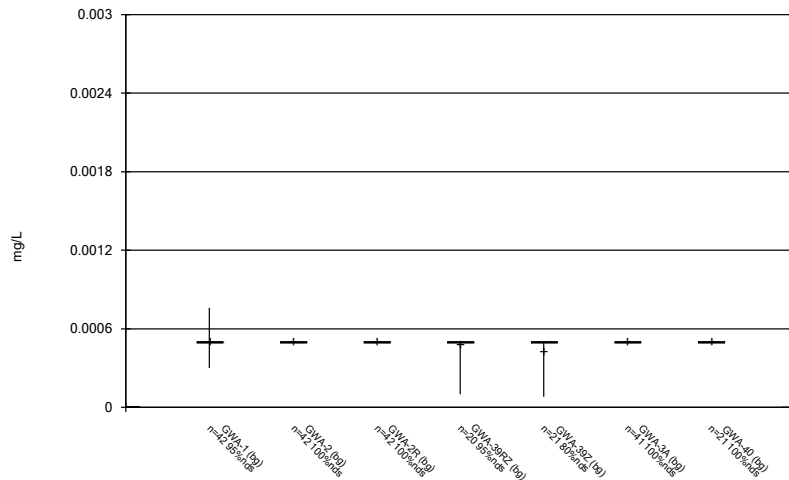
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Box & Whiskers Plot



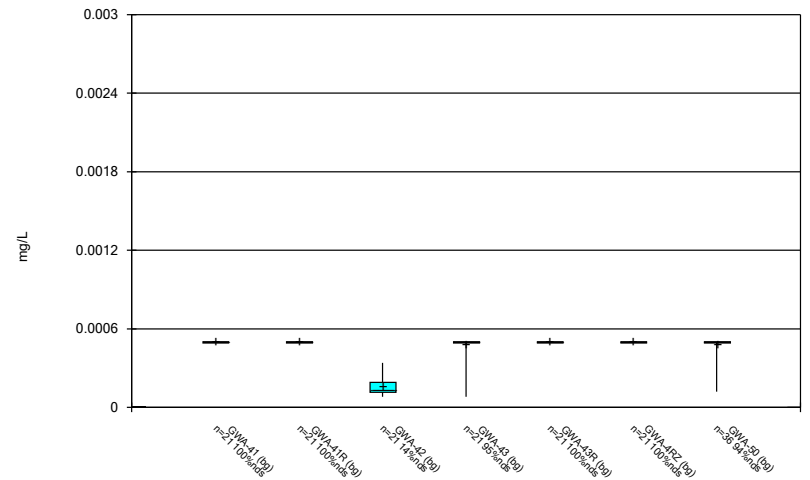
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Box & Whiskers Plot



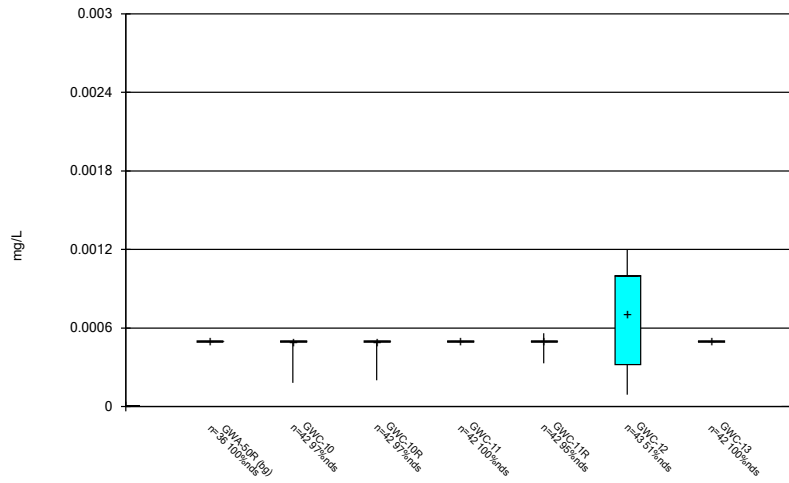
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Box & Whiskers Plot



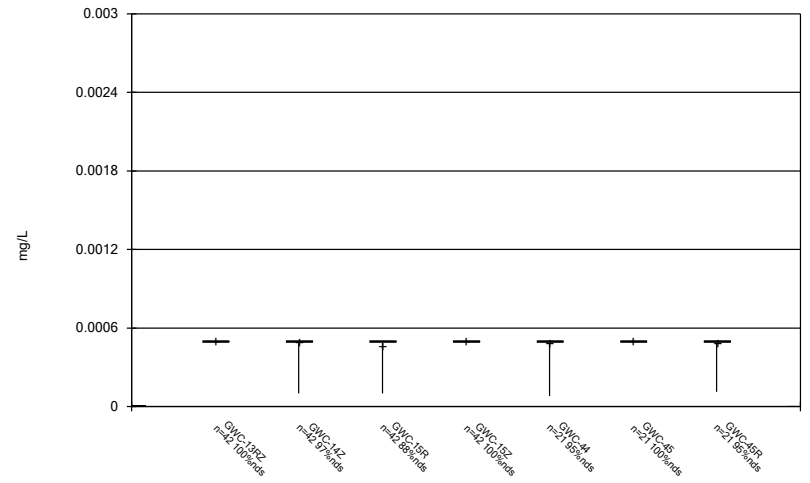
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Box & Whiskers Plot



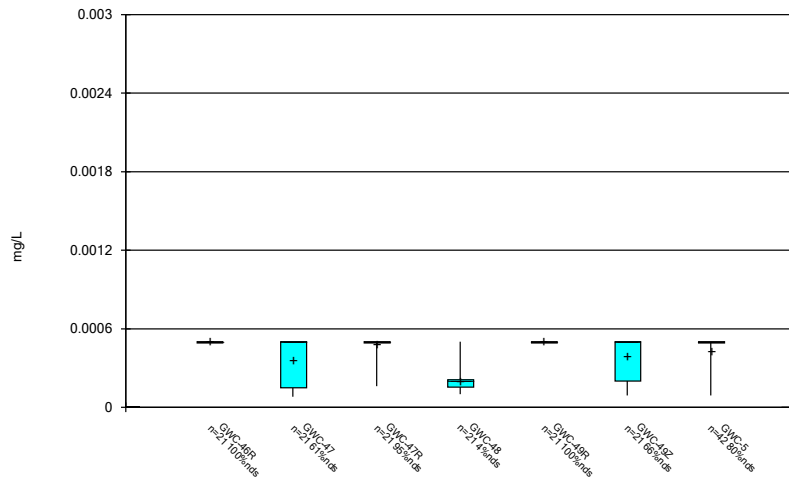
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Box & Whiskers Plot



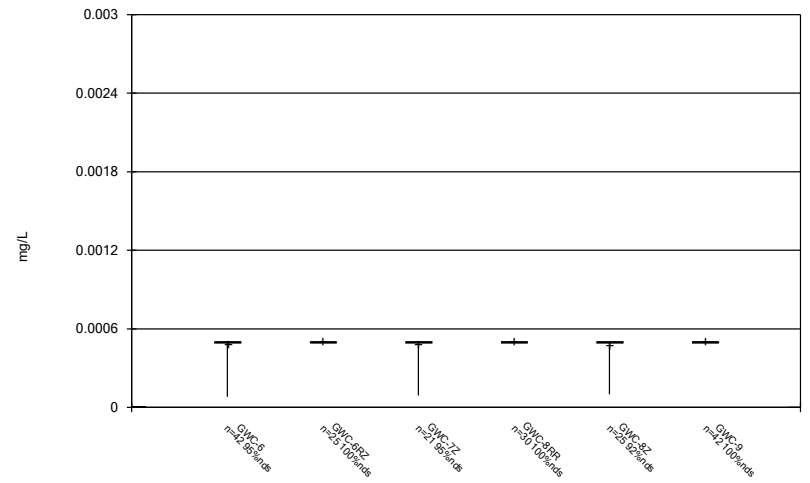
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Box & Whiskers Plot



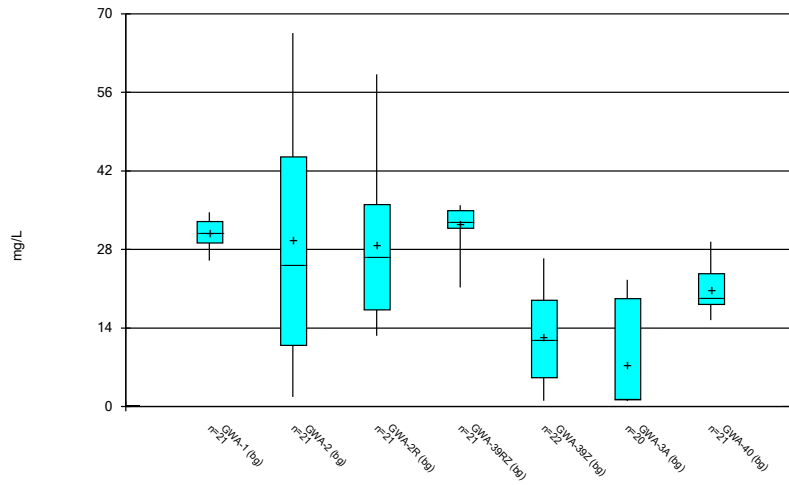
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Box & Whiskers Plot



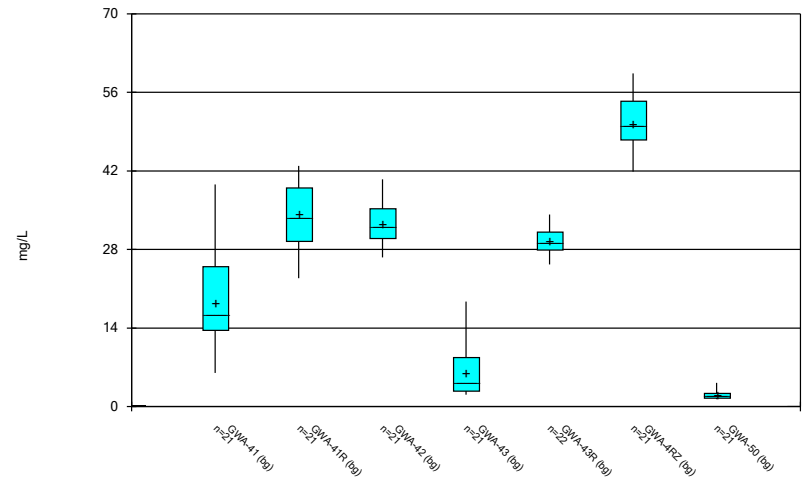
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Box & Whiskers Plot



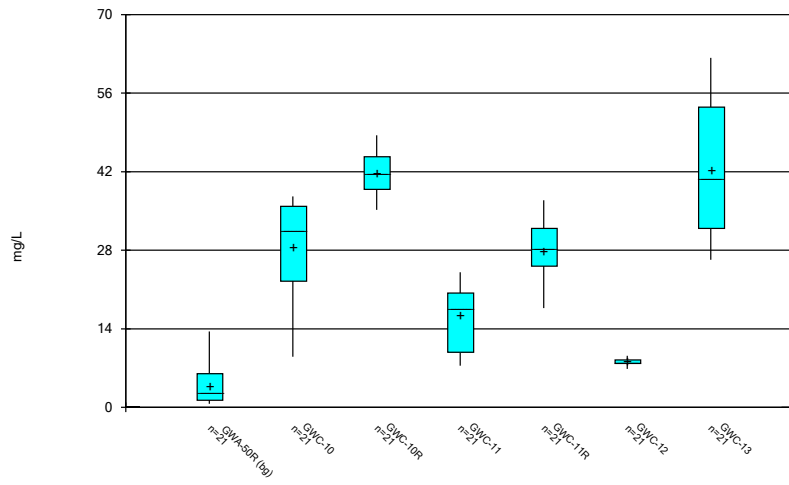
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Box & Whiskers Plot



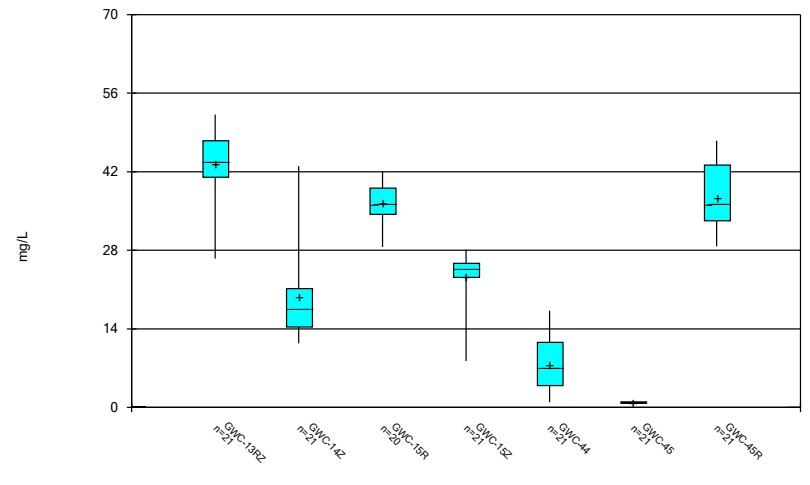
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Box & Whiskers Plot



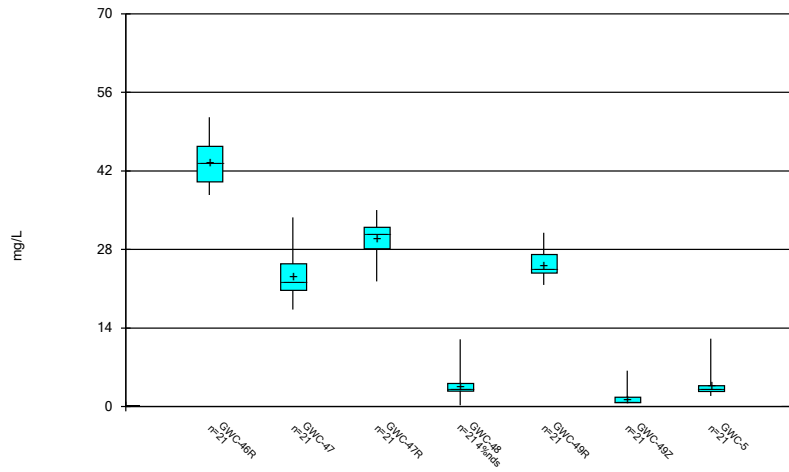
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Box & Whiskers Plot



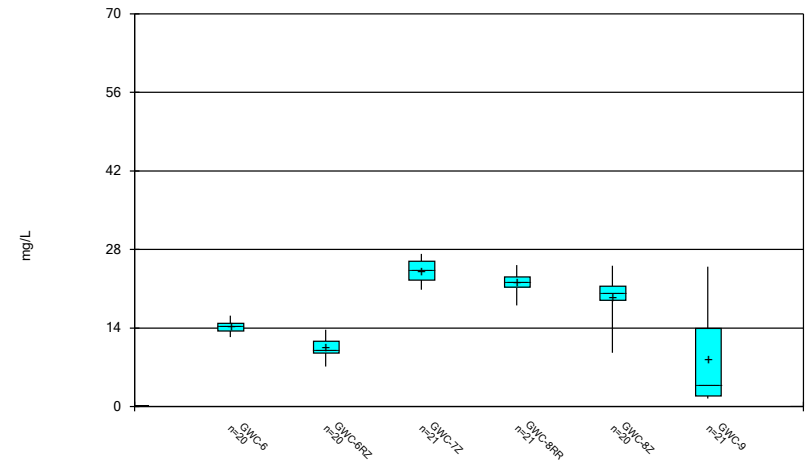
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



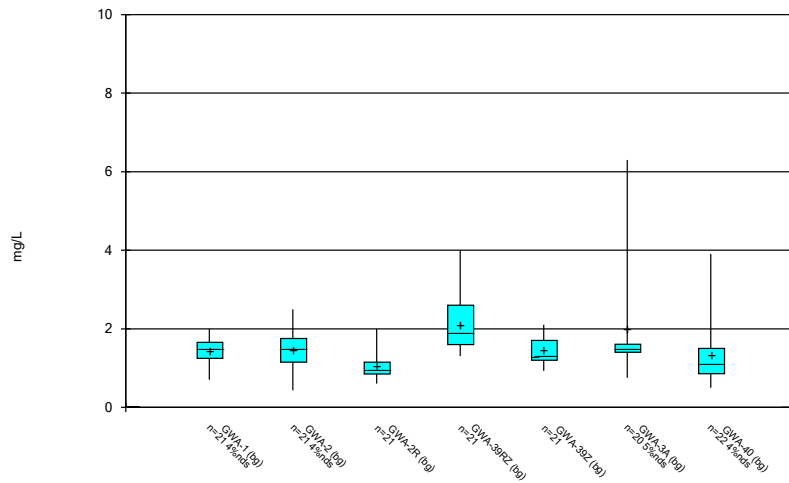
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Box & Whiskers Plot



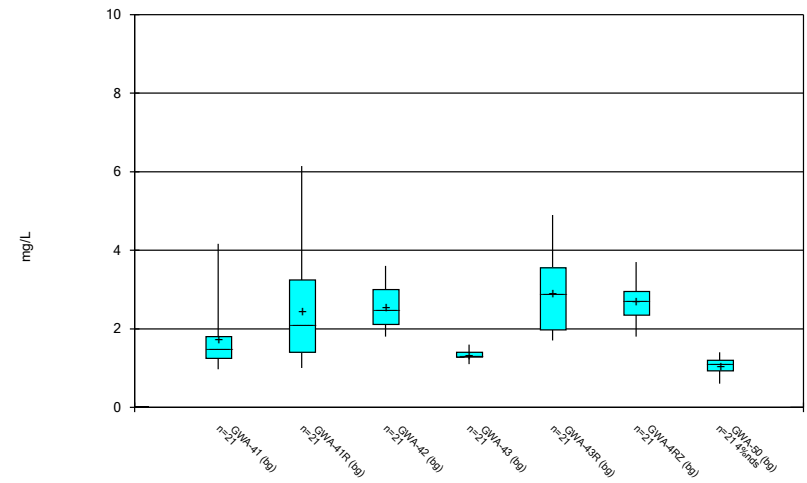
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



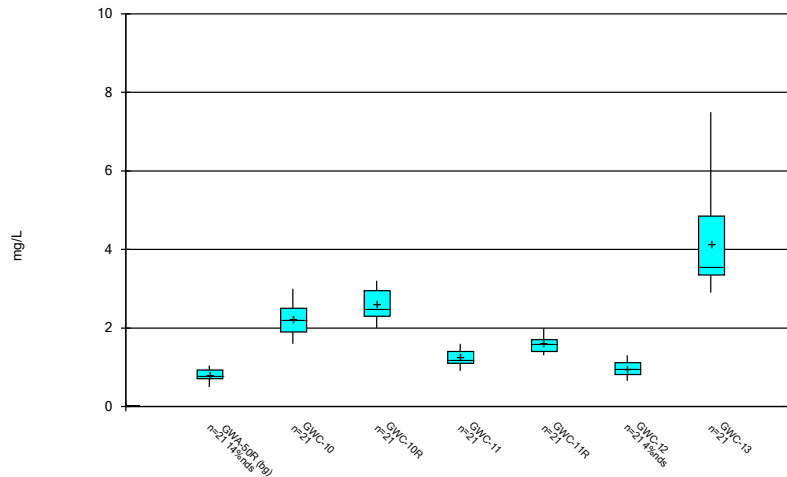
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Box & Whiskers Plot



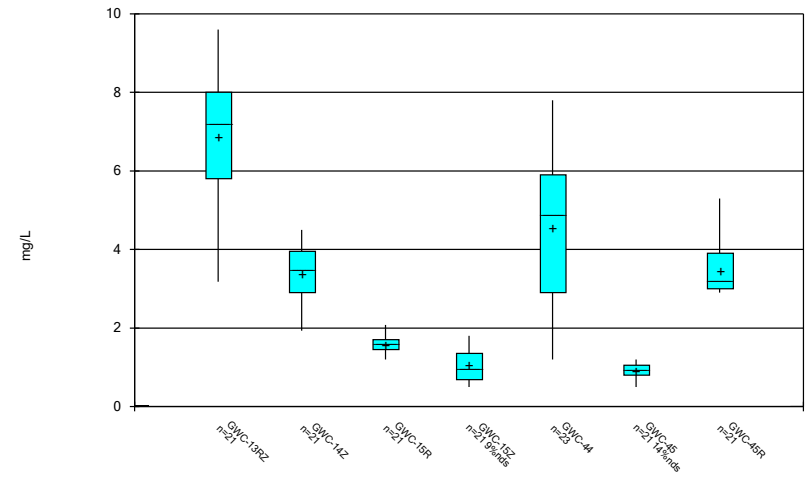
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Box & Whiskers Plot



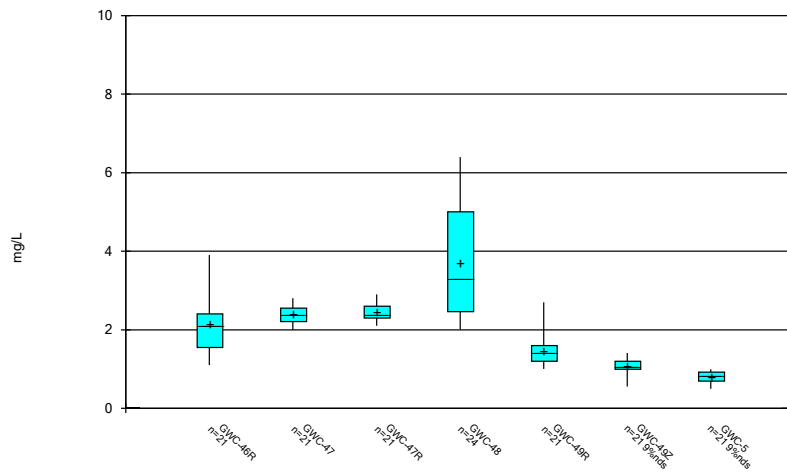
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Box & Whiskers Plot



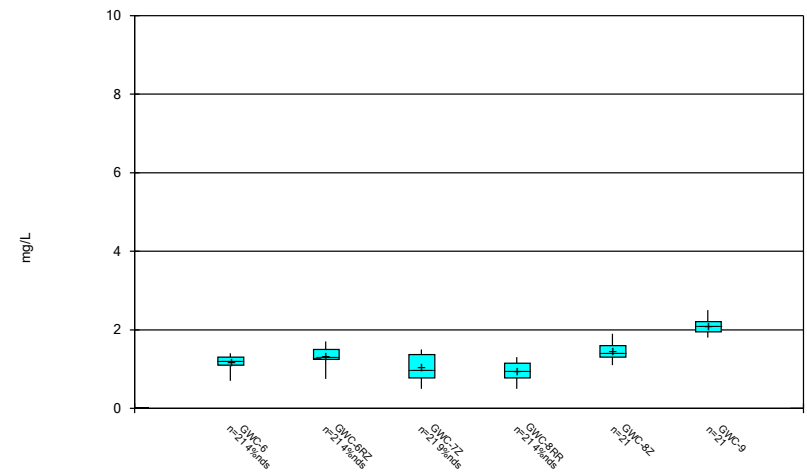
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Box & Whiskers Plot



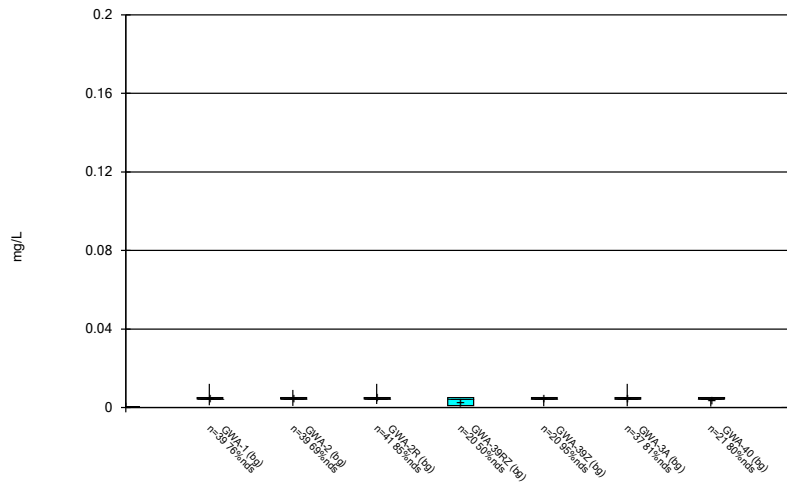
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Box & Whiskers Plot



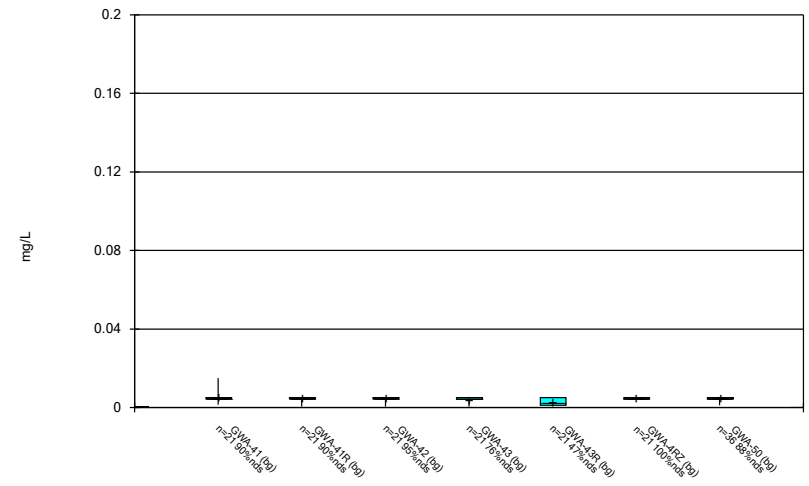
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Box & Whiskers Plot



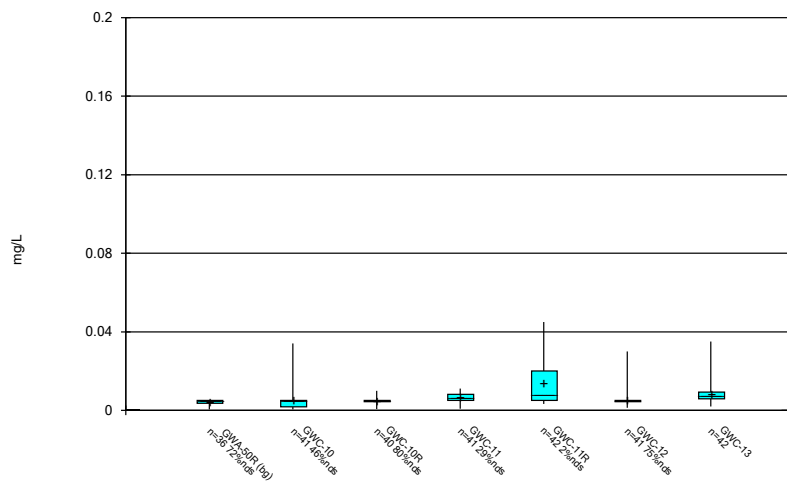
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Box & Whiskers Plot



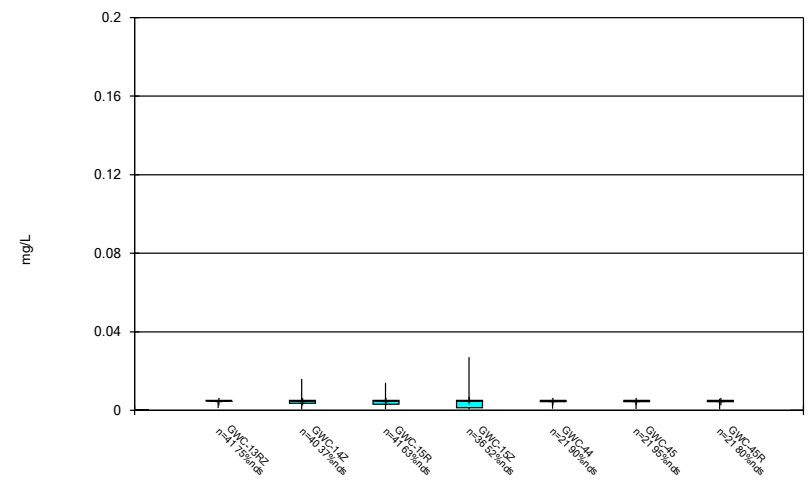
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Box & Whiskers Plot



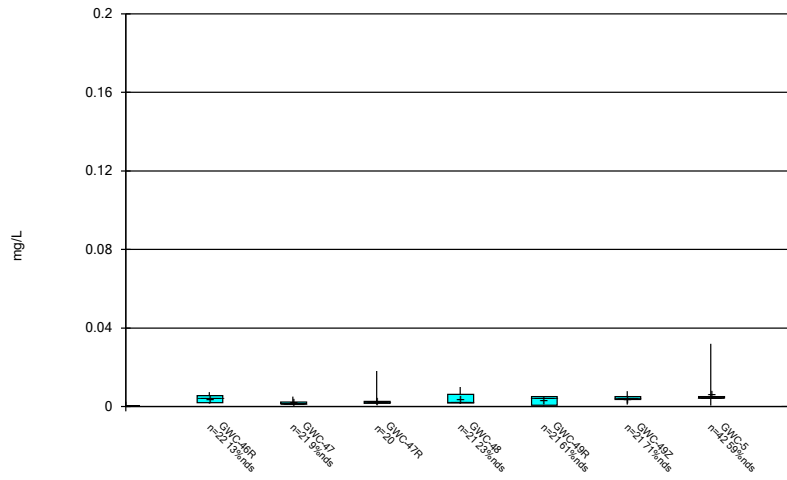
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Box & Whiskers Plot



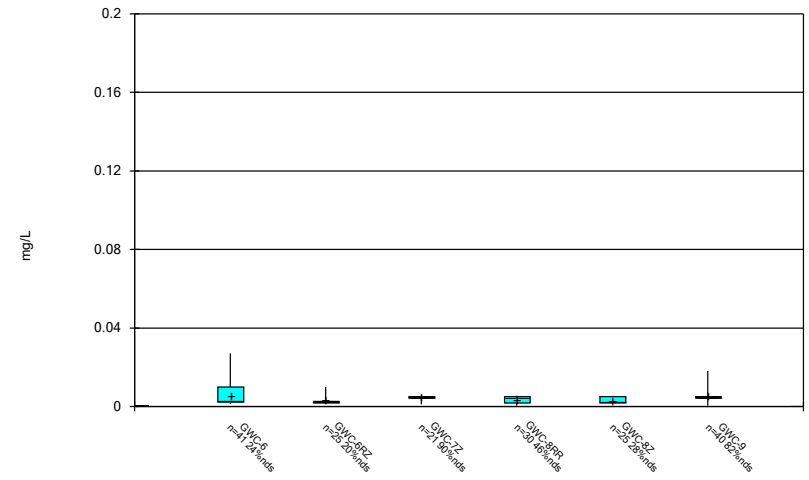
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Box & Whiskers Plot



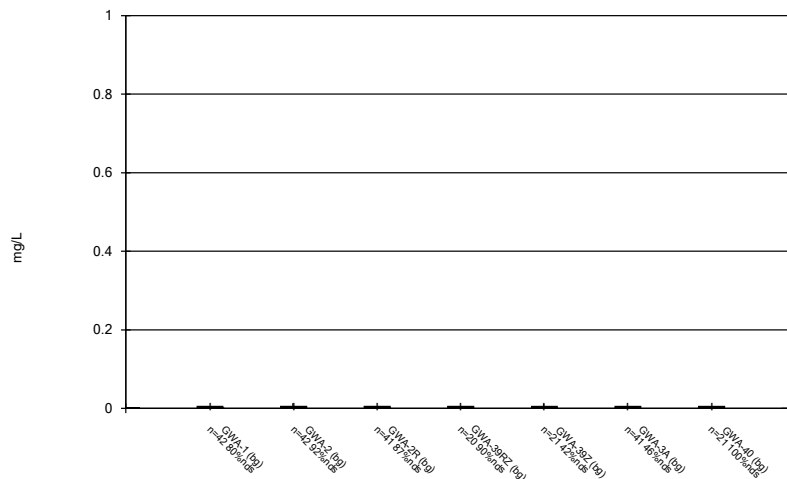
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Box & Whiskers Plot



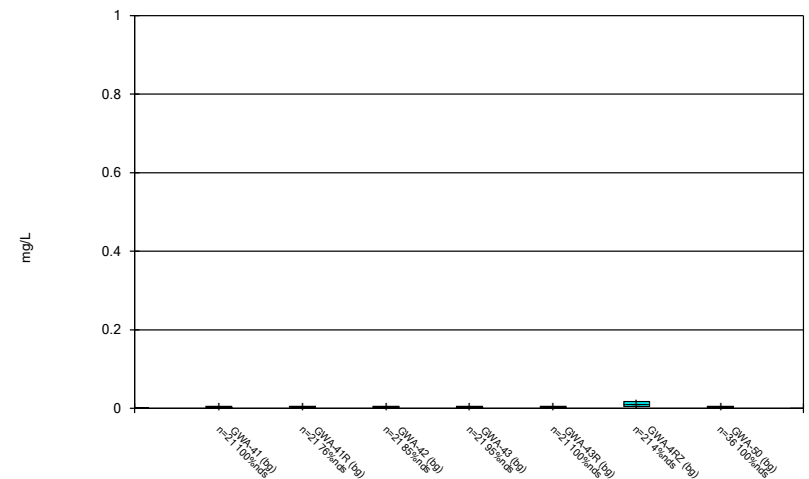
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Box & Whiskers Plot



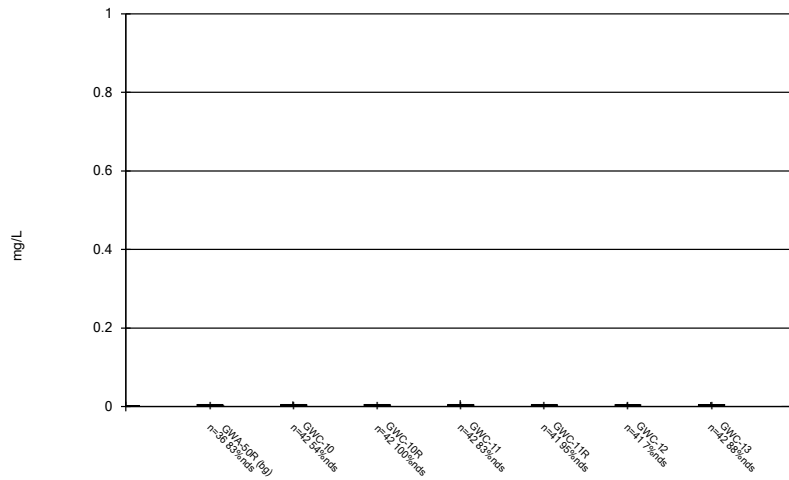
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Box & Whiskers Plot



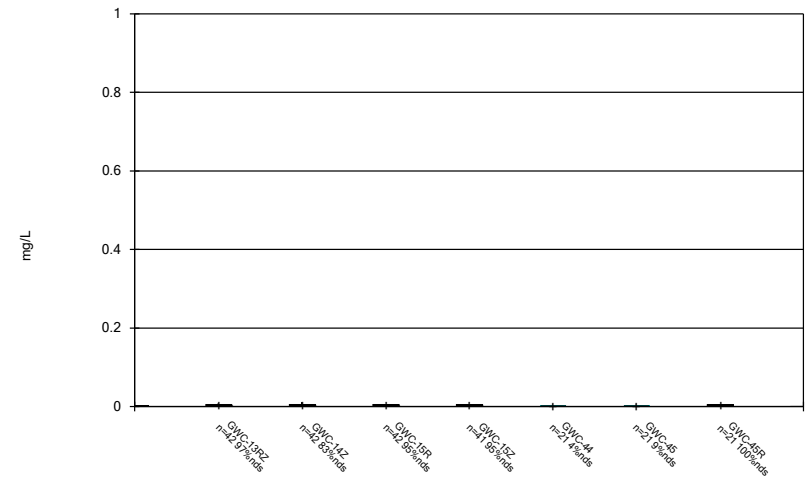
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



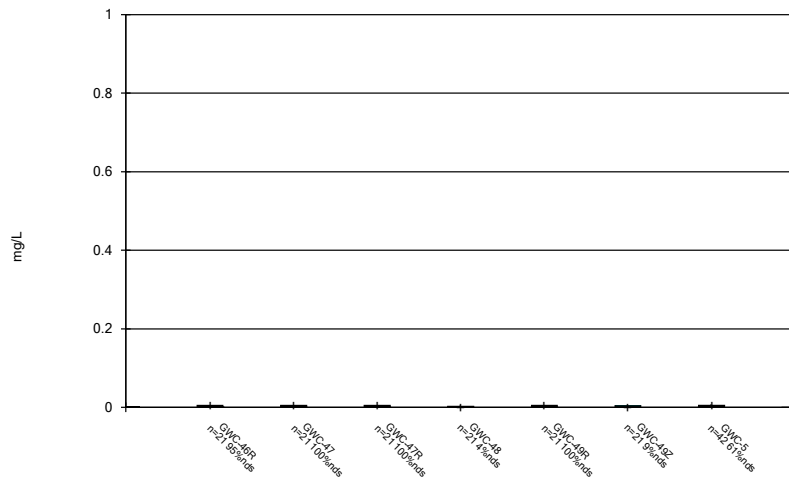
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Box & Whiskers Plot



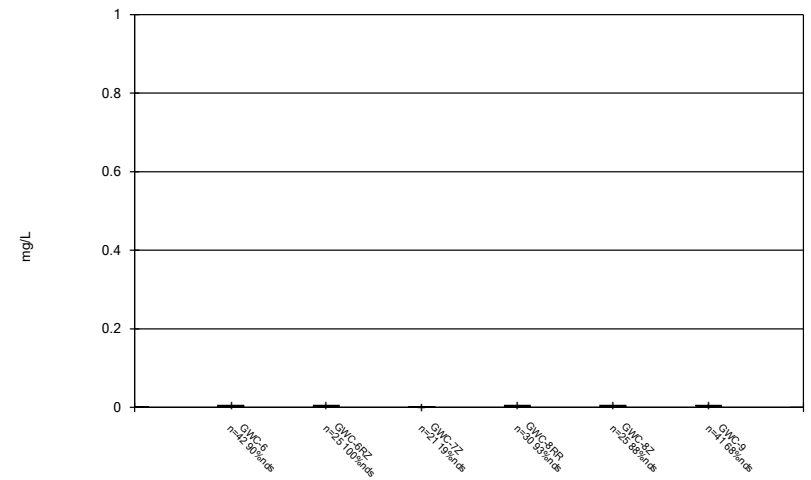
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Box & Whiskers Plot



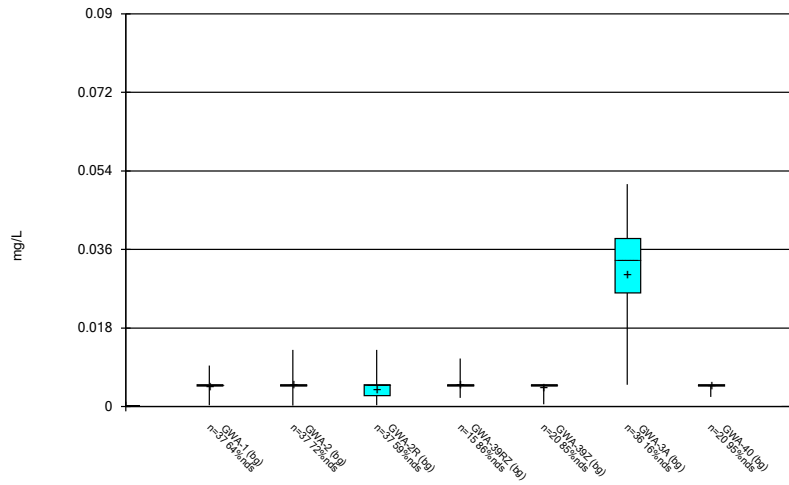
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Box & Whiskers Plot



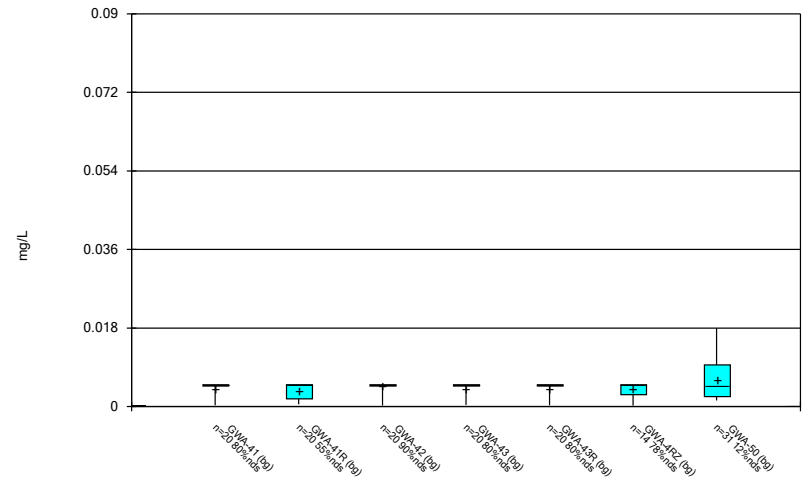
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Box & Whiskers Plot



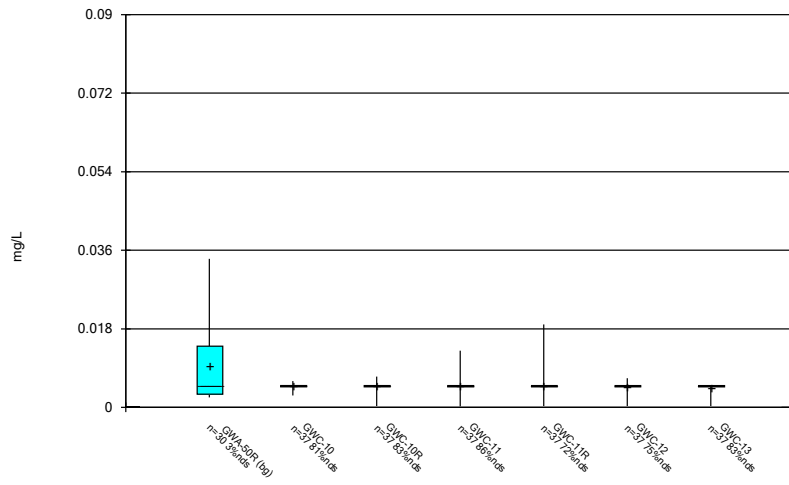
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Box & Whiskers Plot



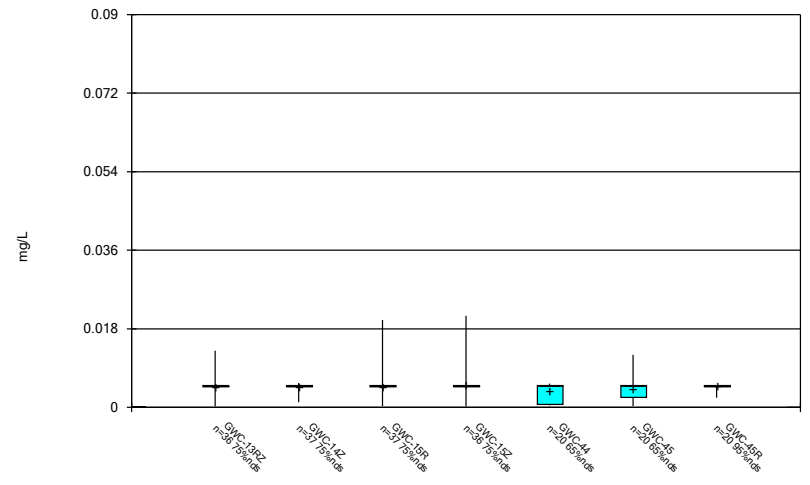
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Box & Whiskers Plot



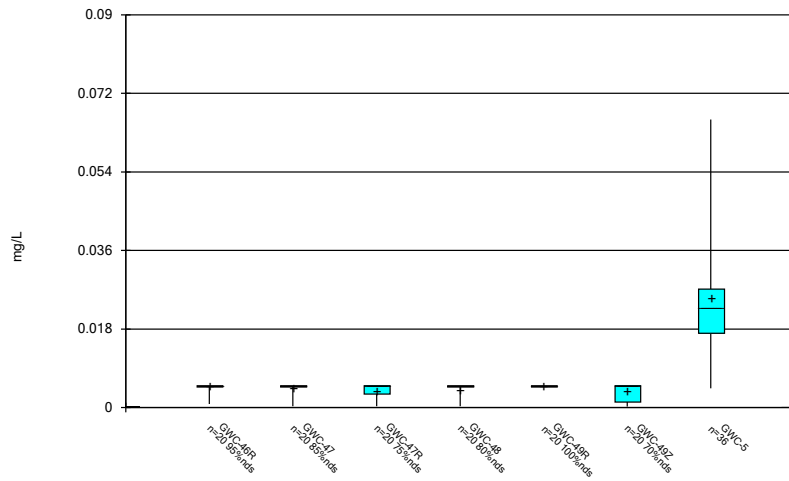
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Box & Whiskers Plot



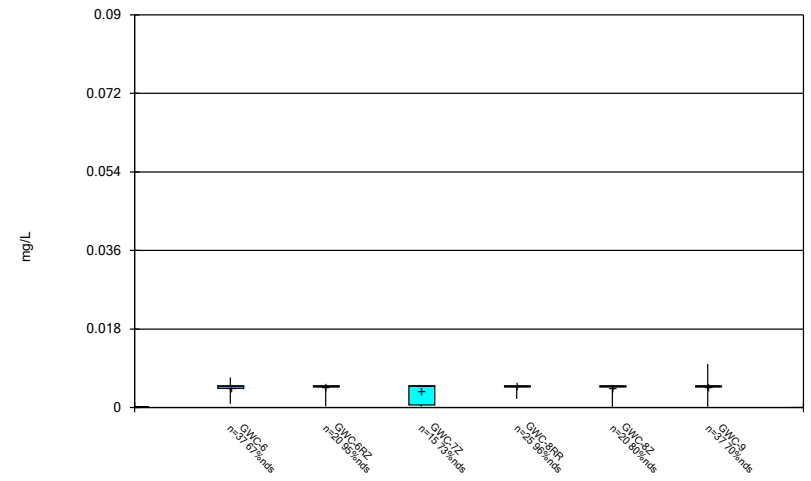
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Box & Whiskers Plot



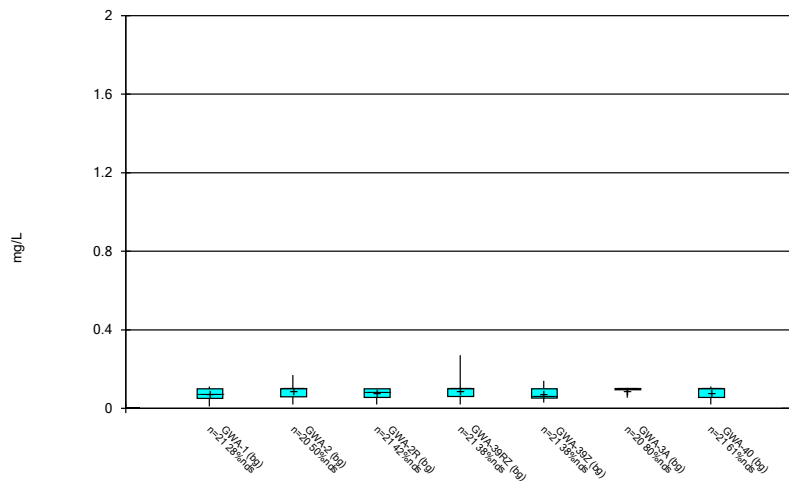
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Box & Whiskers Plot



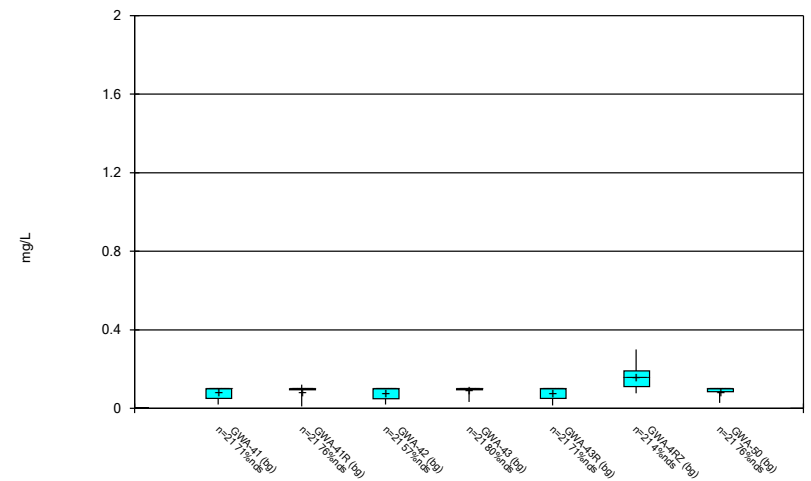
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Box & Whiskers Plot



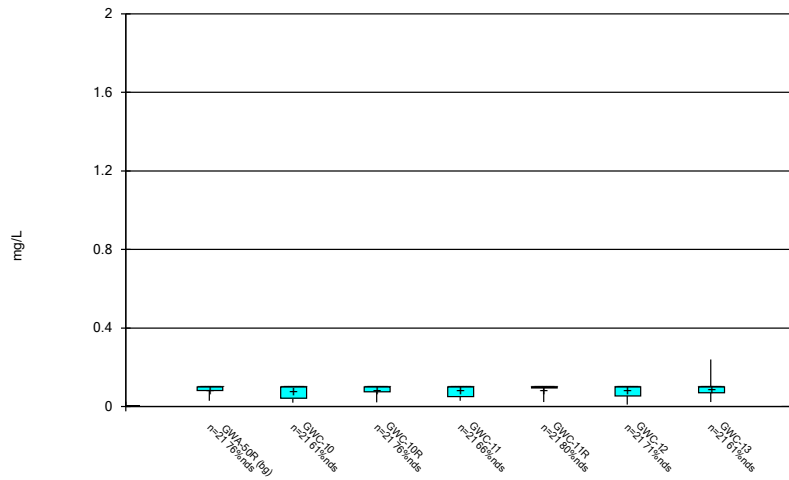
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Box & Whiskers Plot



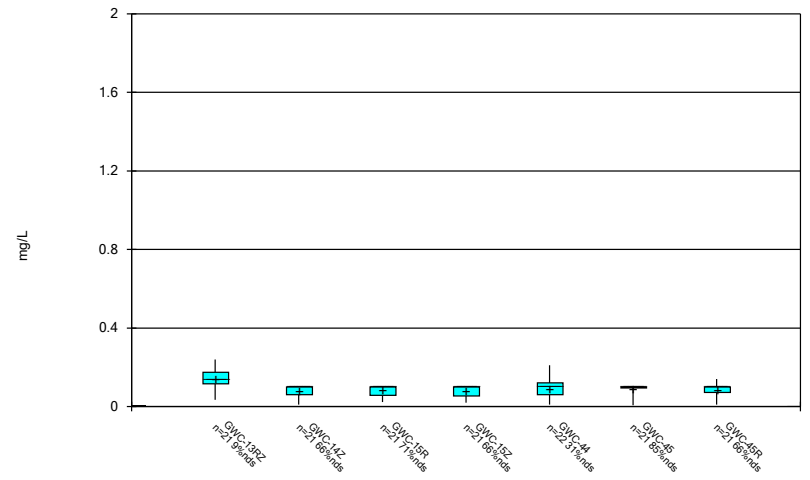
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Box & Whiskers Plot



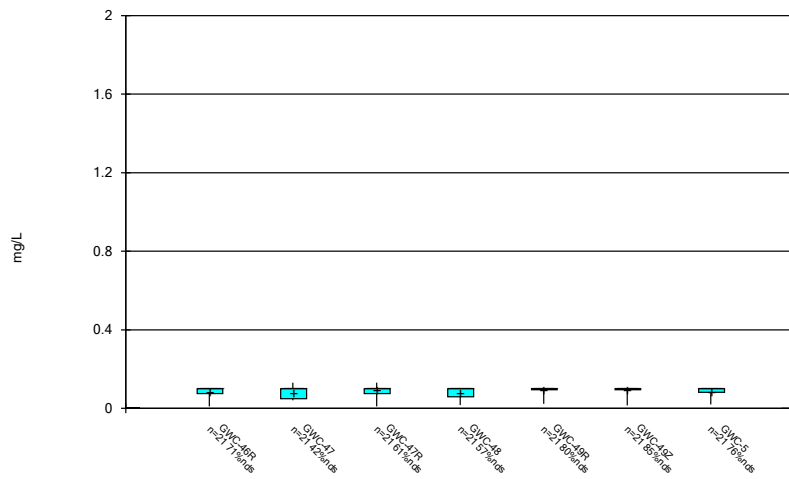
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Box & Whiskers Plot



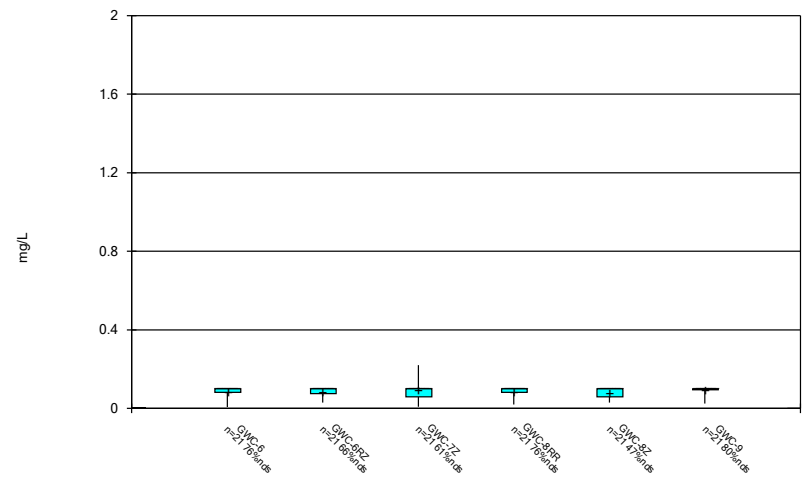
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Box & Whiskers Plot



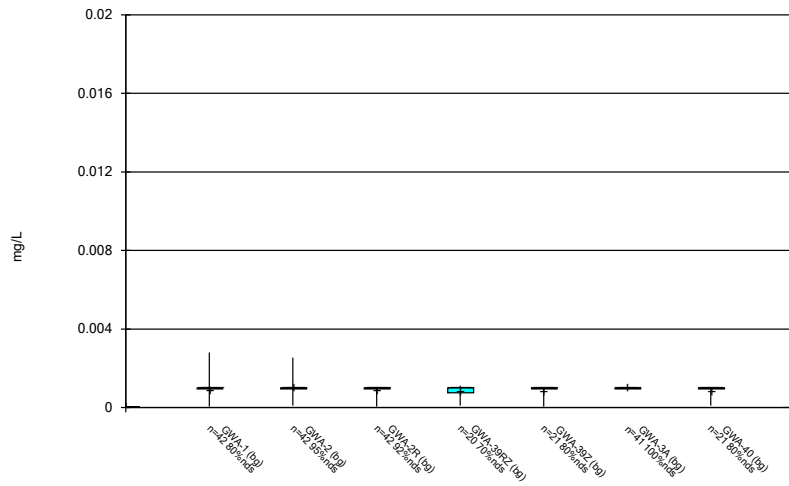
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Box & Whiskers Plot



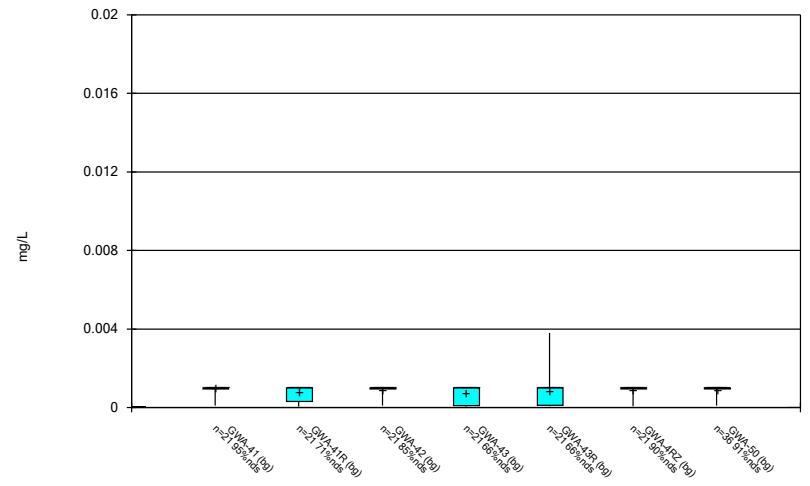
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Box & Whiskers Plot



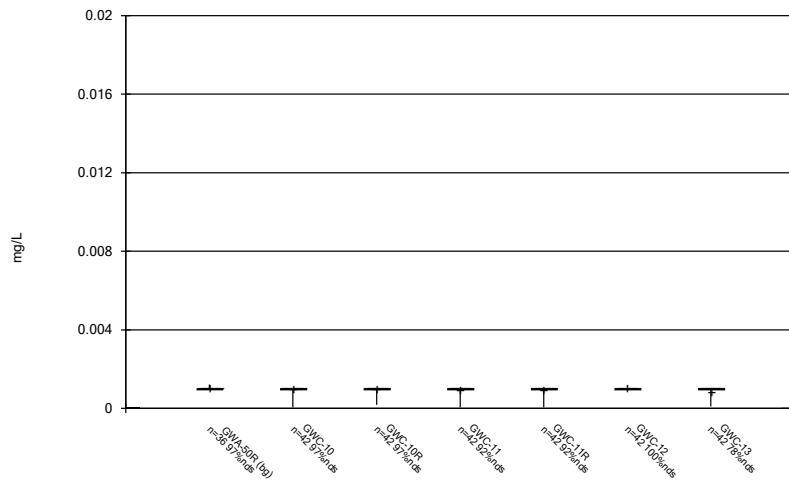
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Box & Whiskers Plot



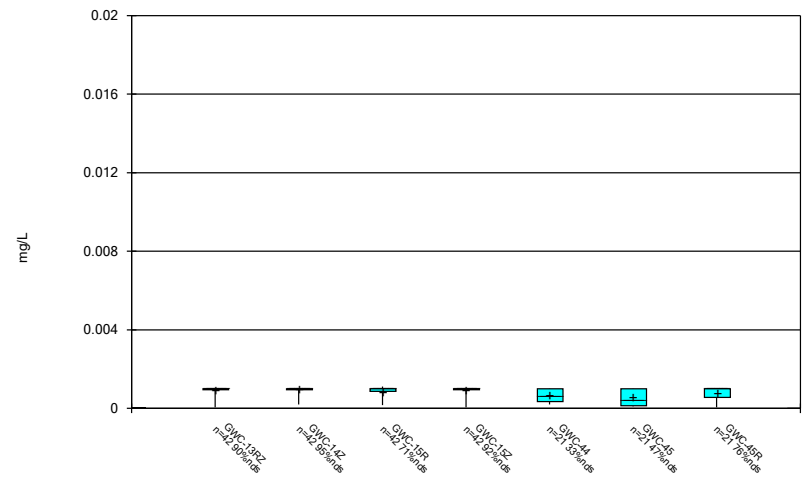
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Box & Whiskers Plot



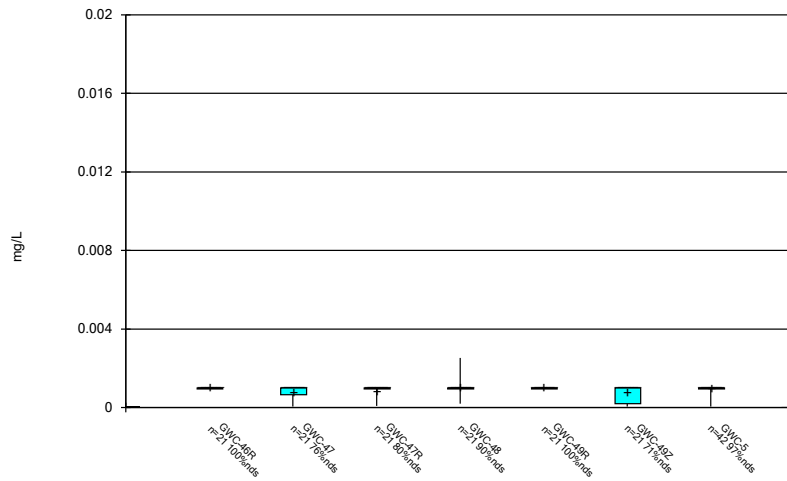
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Box & Whiskers Plot



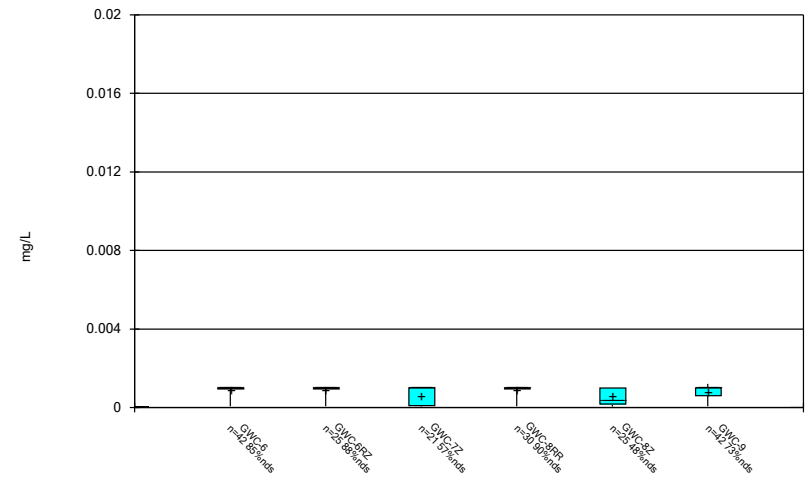
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Box & Whiskers Plot



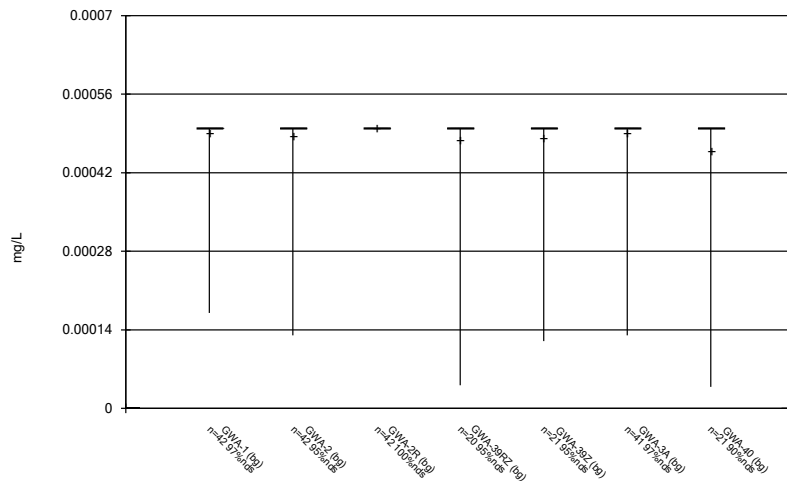
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Box & Whiskers Plot



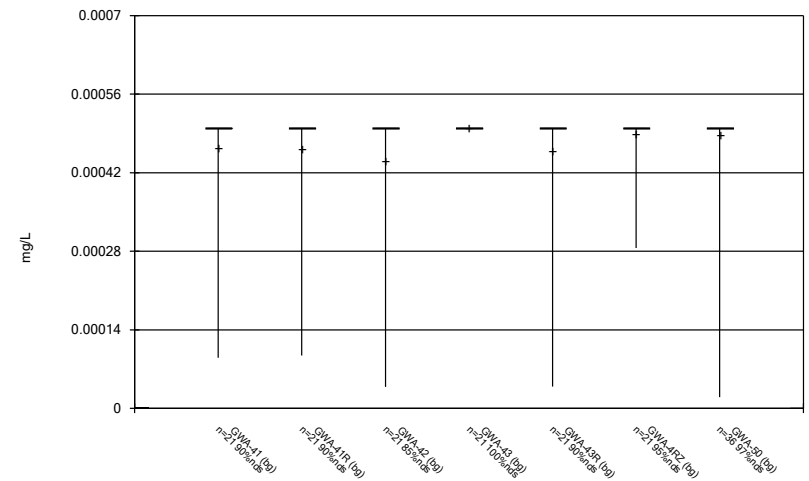
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Box & Whiskers Plot



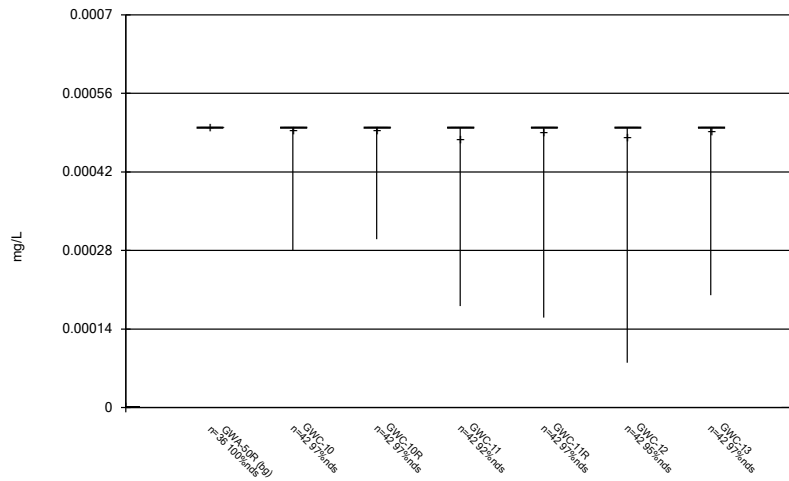
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Box & Whiskers Plot



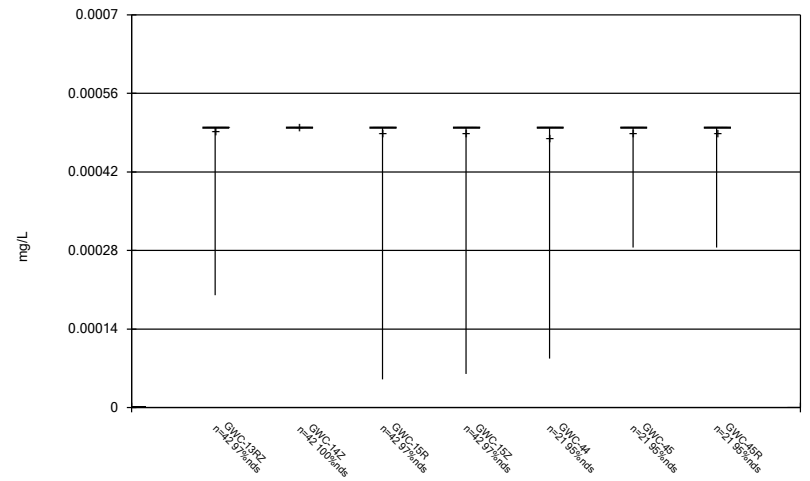
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Box & Whiskers Plot



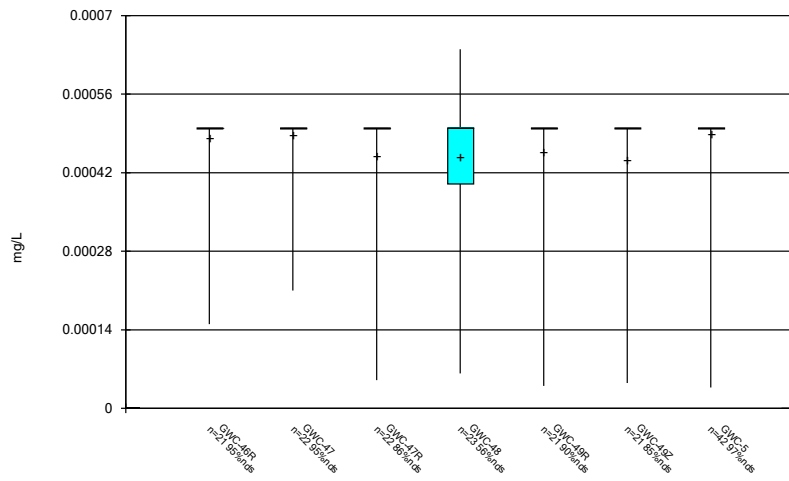
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Box & Whiskers Plot



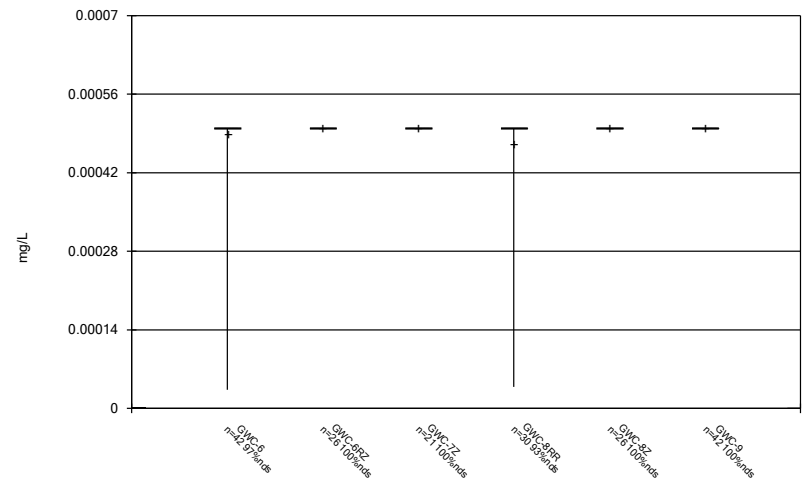
Constituent: Mercury Analysis Run 9/14/2023 11:57 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



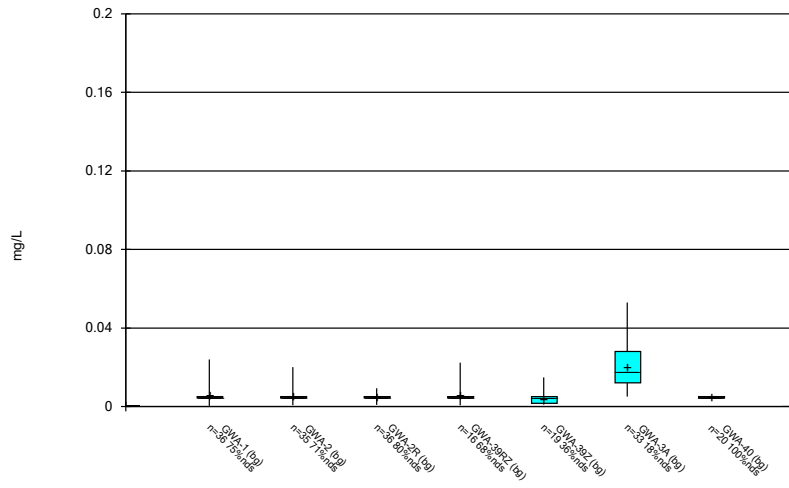
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



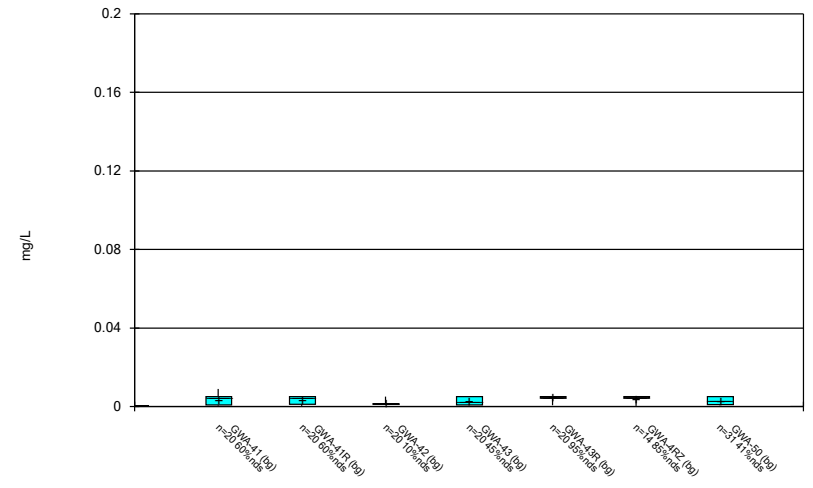
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



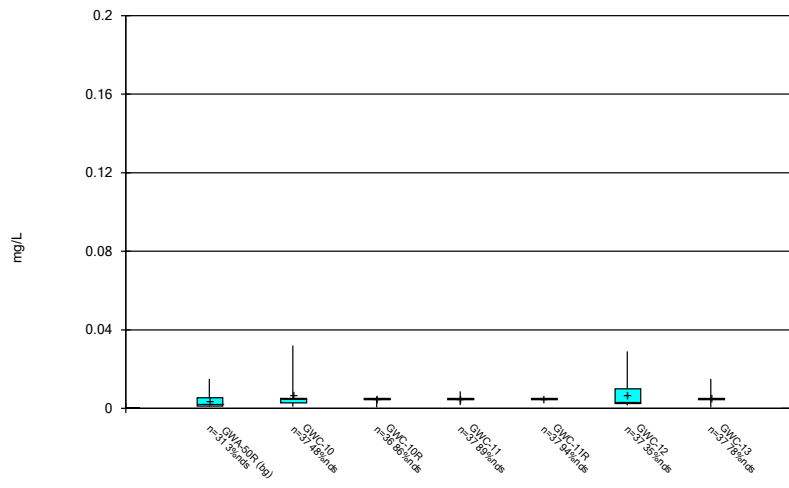
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Box & Whiskers Plot



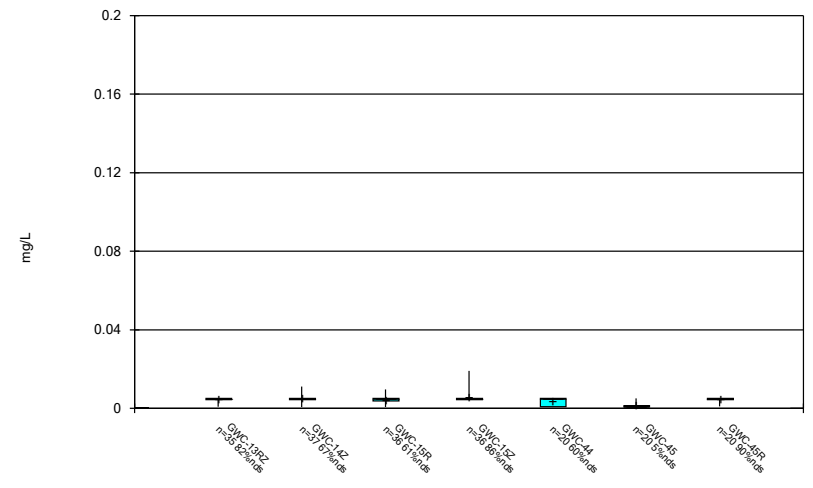
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



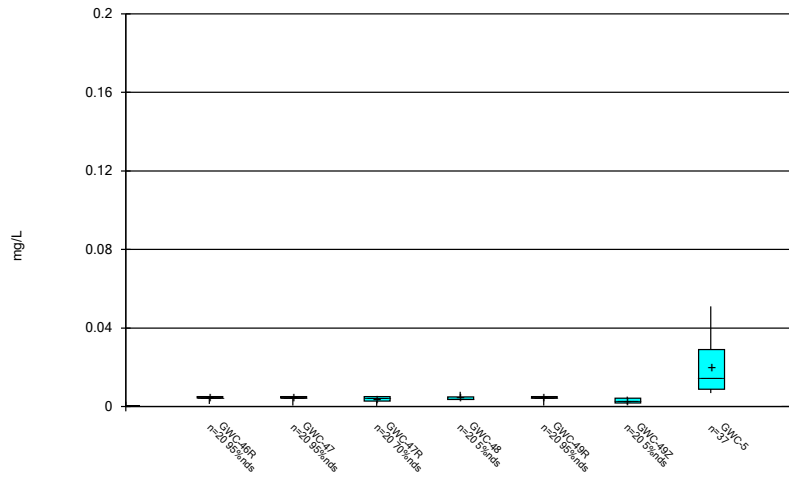
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



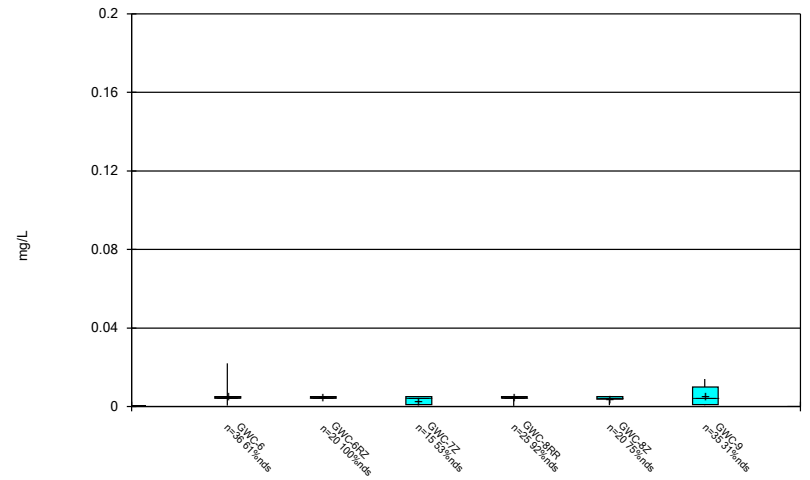
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Box & Whiskers Plot



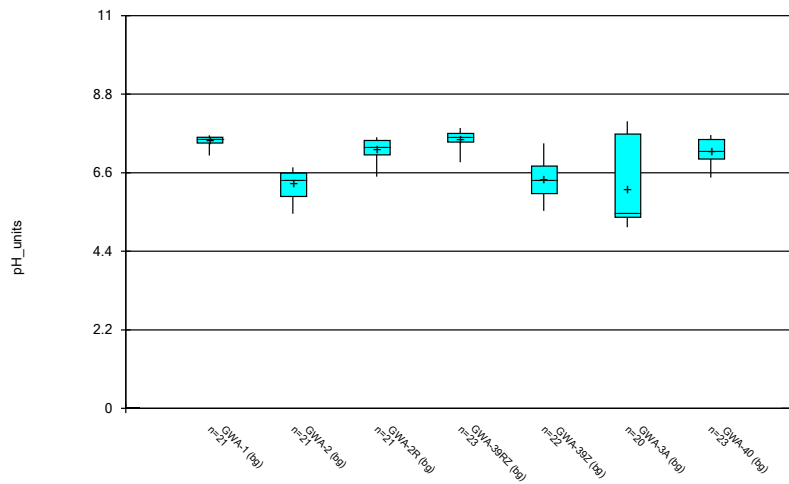
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Box & Whiskers Plot



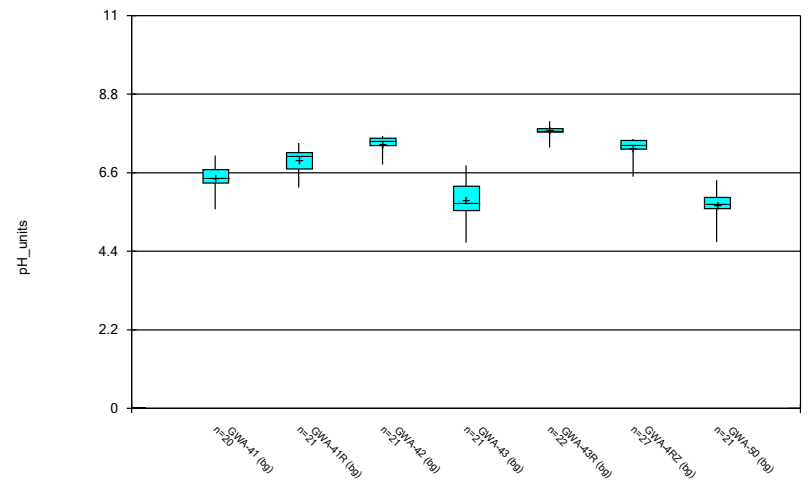
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



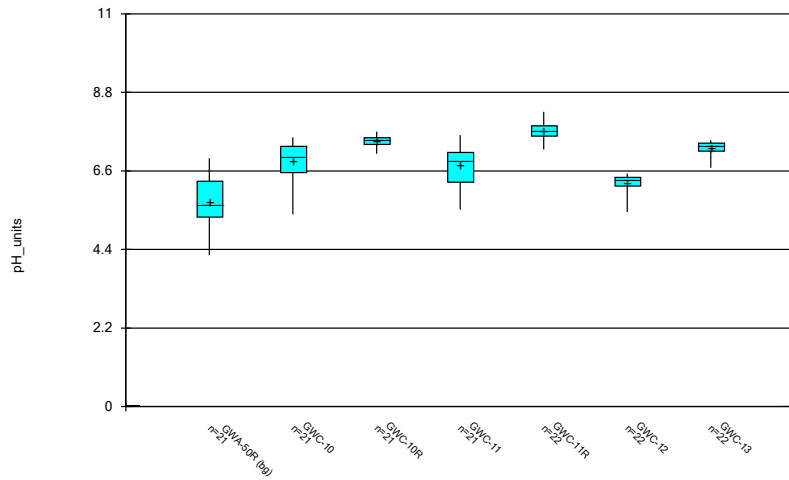
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



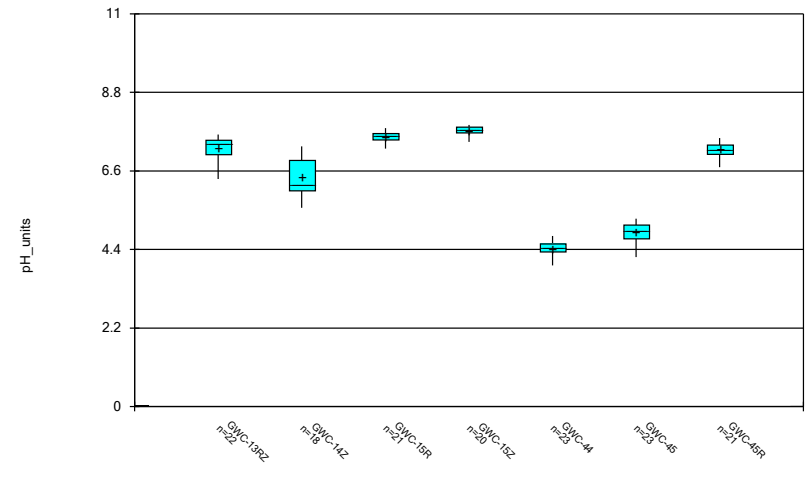
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Box & Whiskers Plot



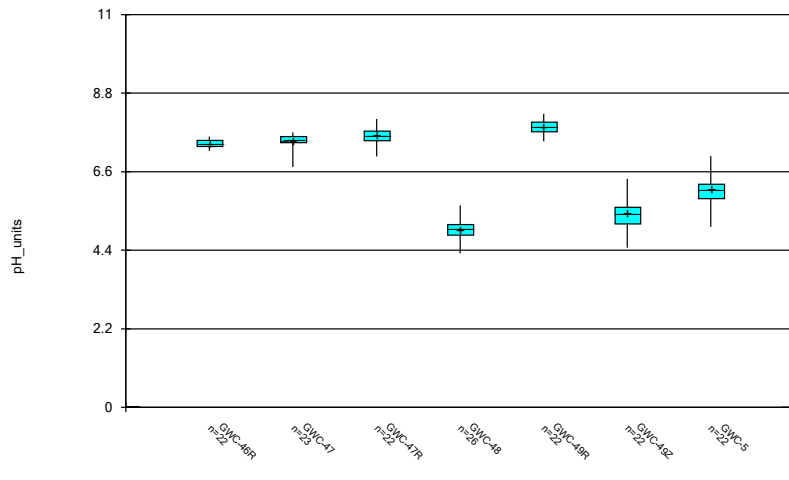
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Box & Whiskers Plot



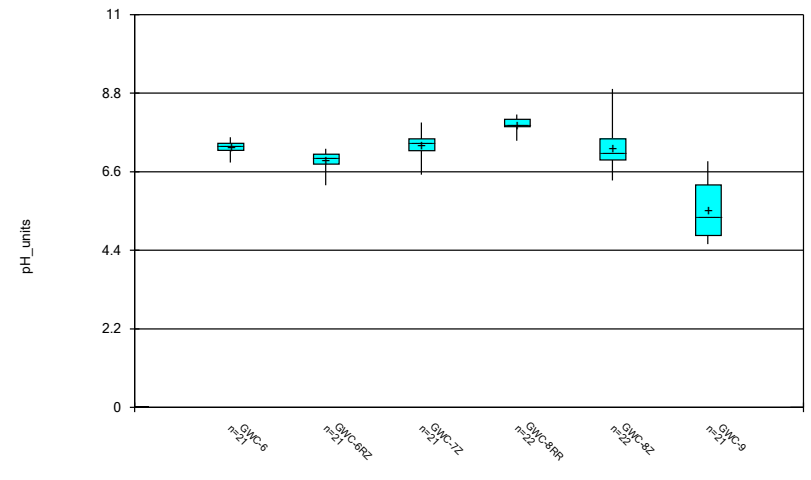
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



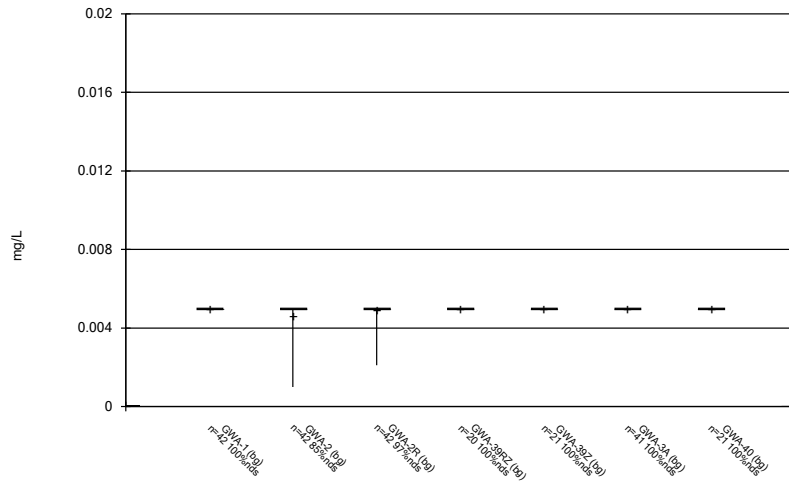
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Box & Whiskers Plot



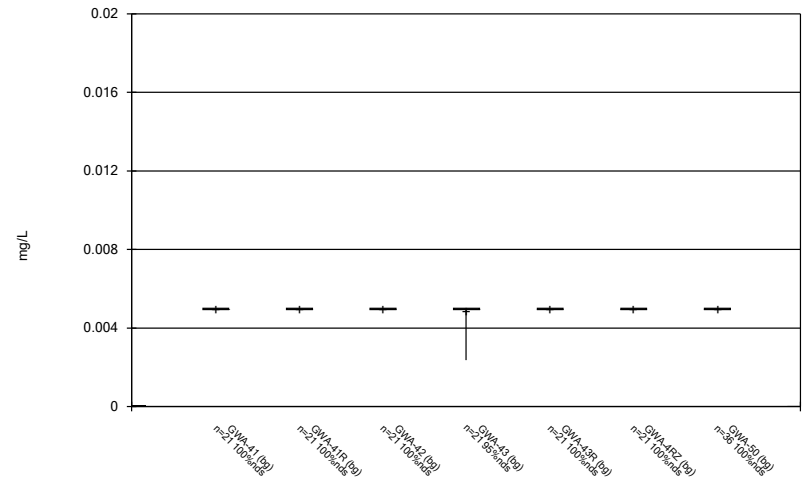
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



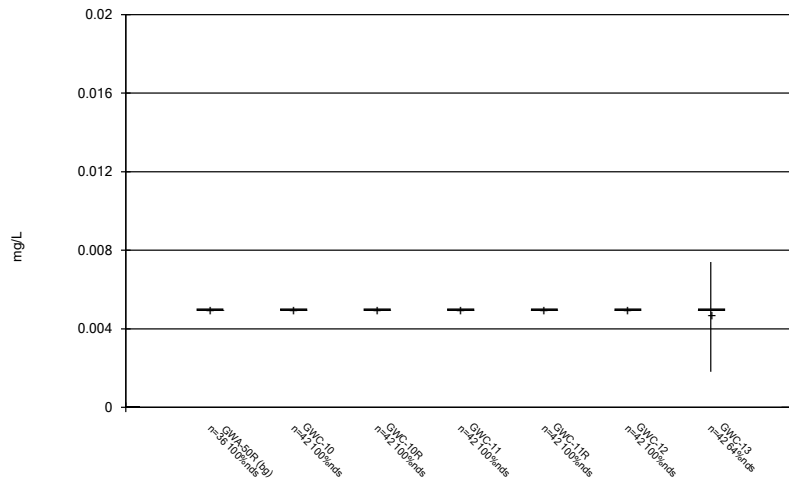
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



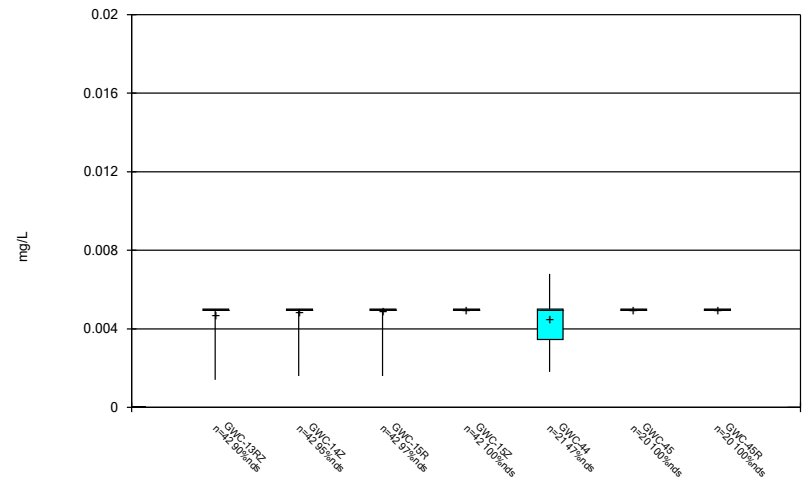
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



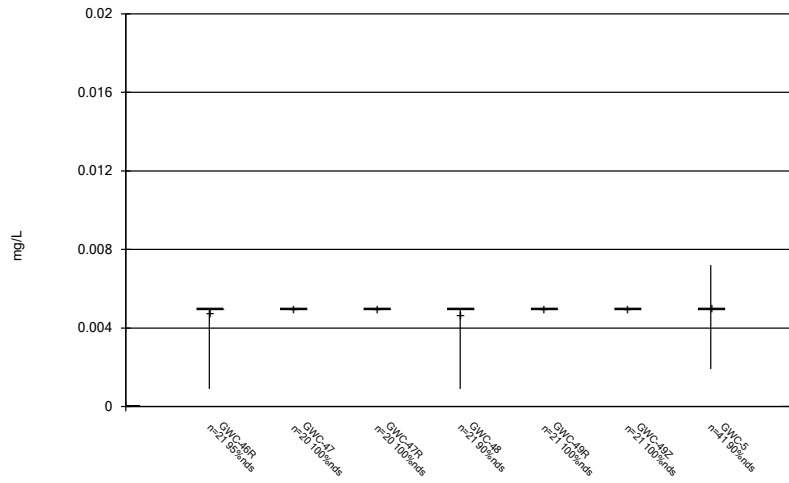
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



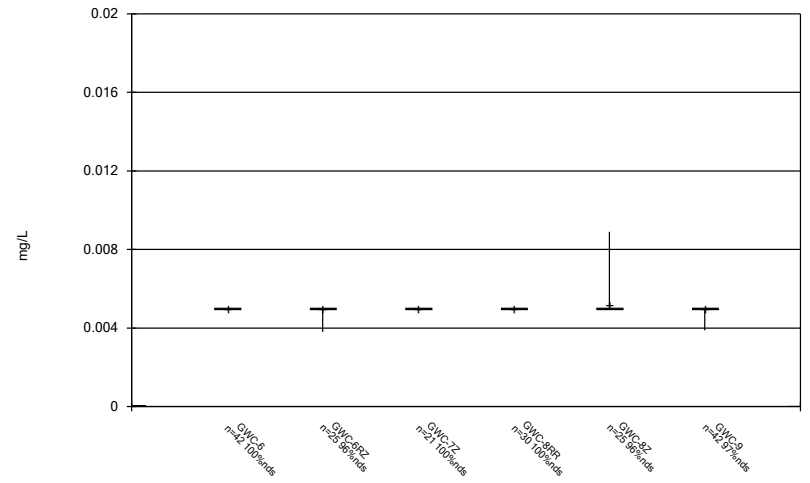
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Box & Whiskers Plot



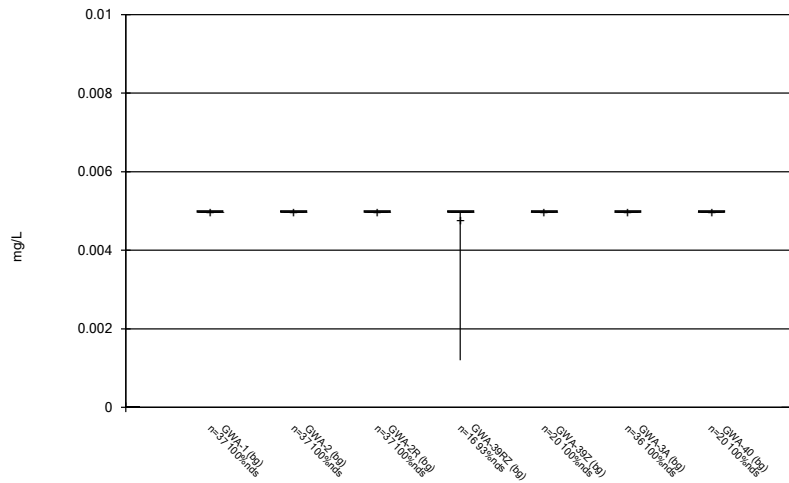
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



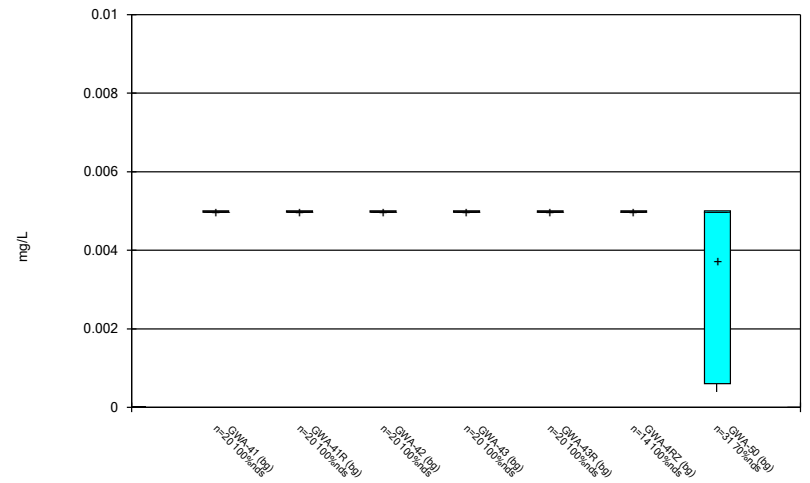
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



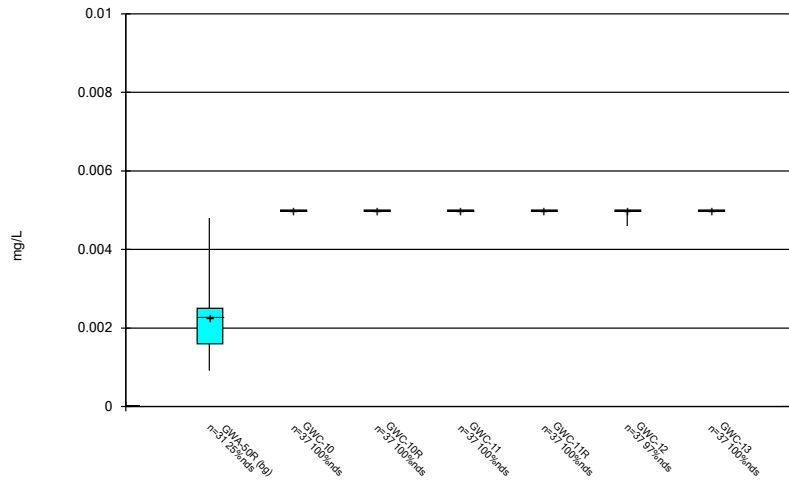
Constituent: Silver Analysis Run 9/14/2023 11:58 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



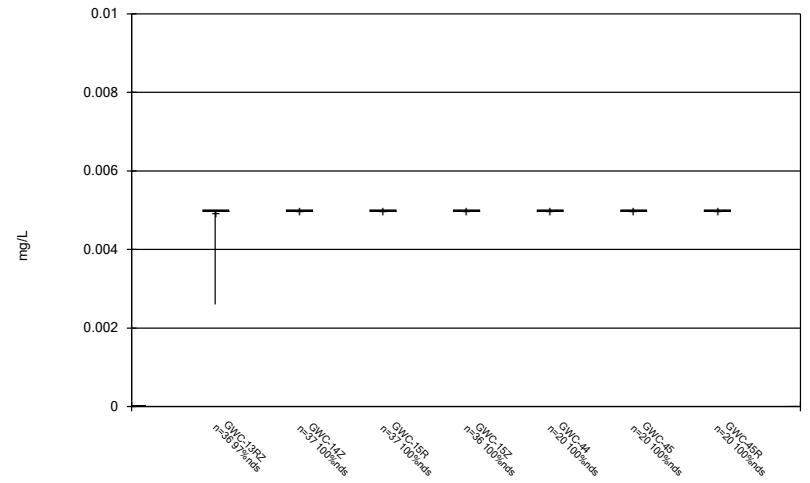
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



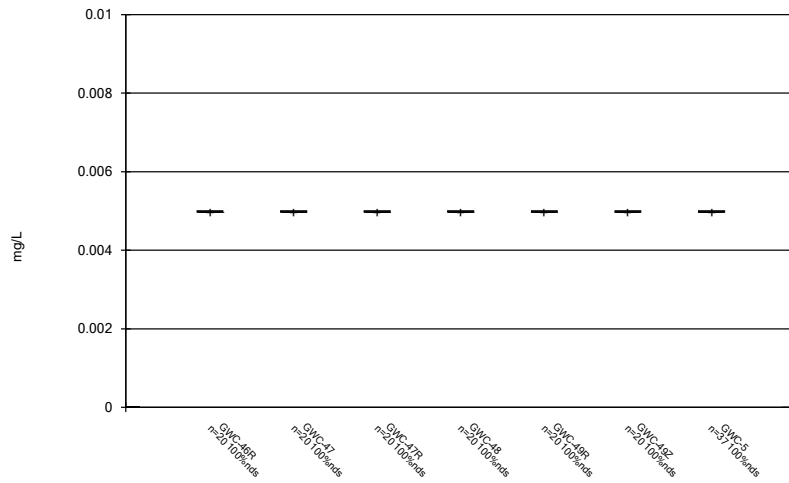
Constituent: Silver Analysis Run 9/14/2023 11:58 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



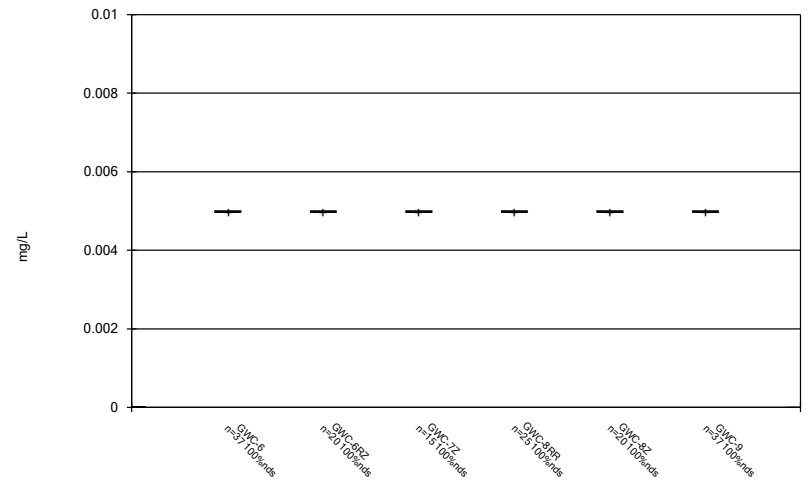
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Box & Whiskers Plot



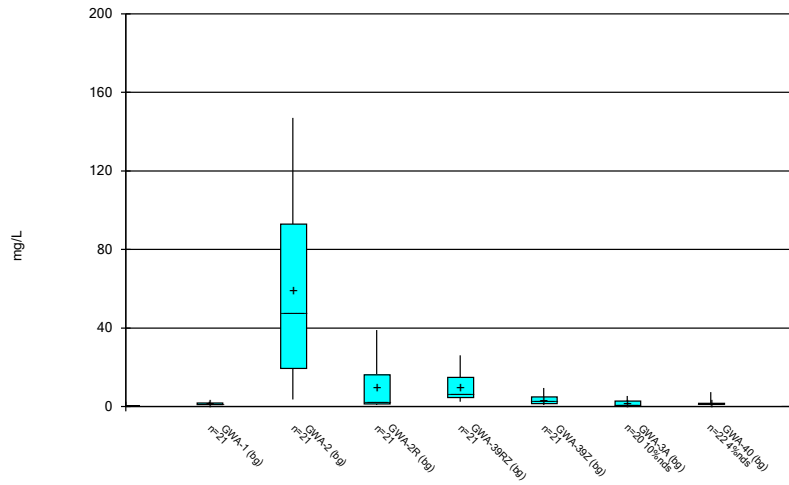
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



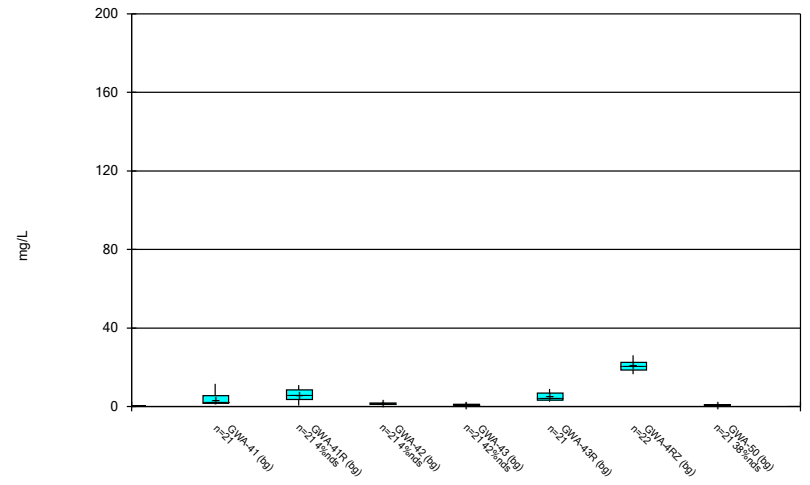
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



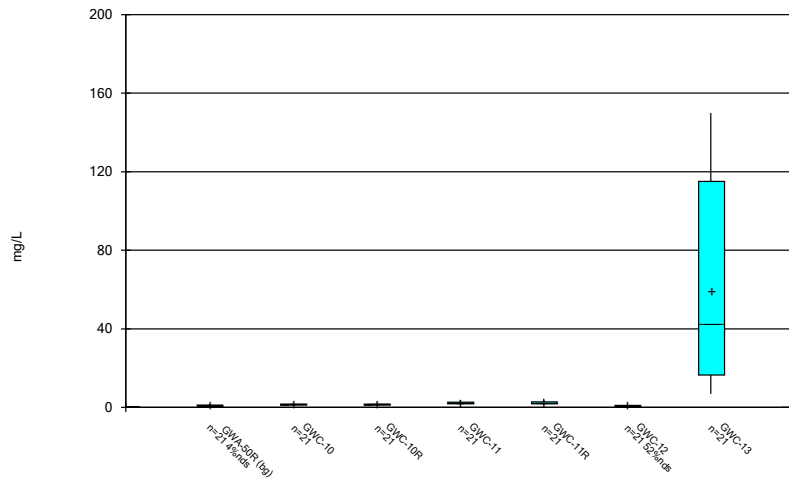
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



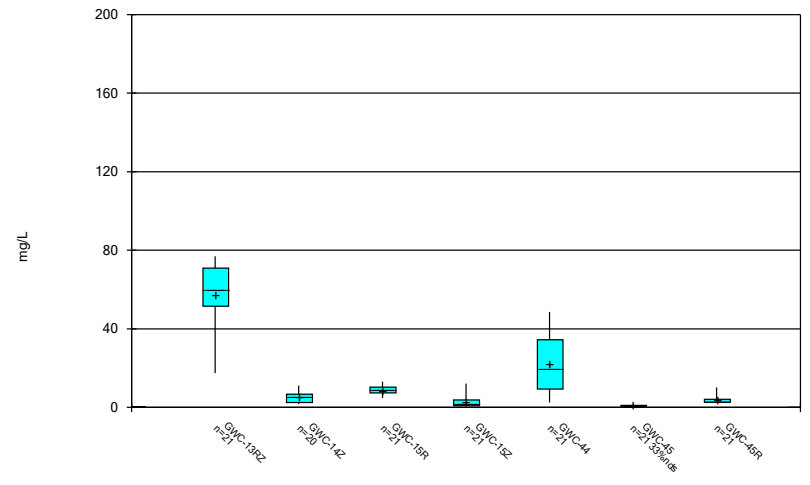
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



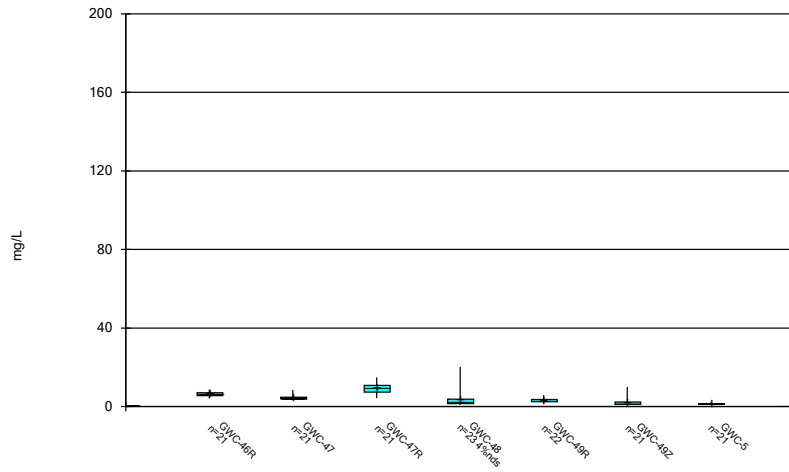
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



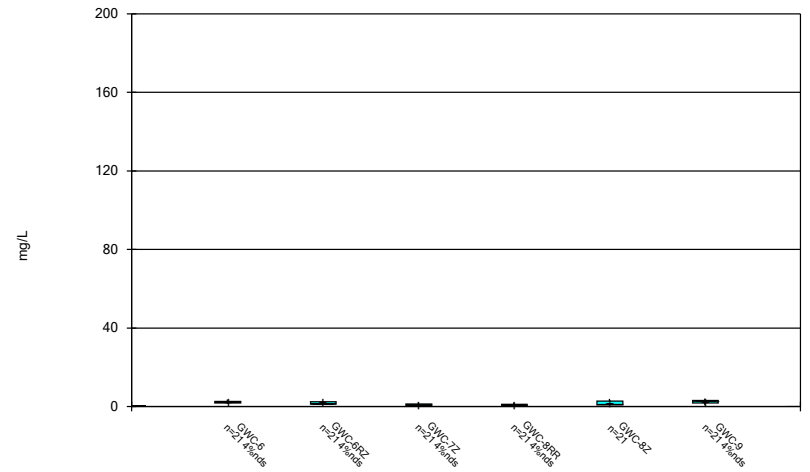
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Box & Whiskers Plot



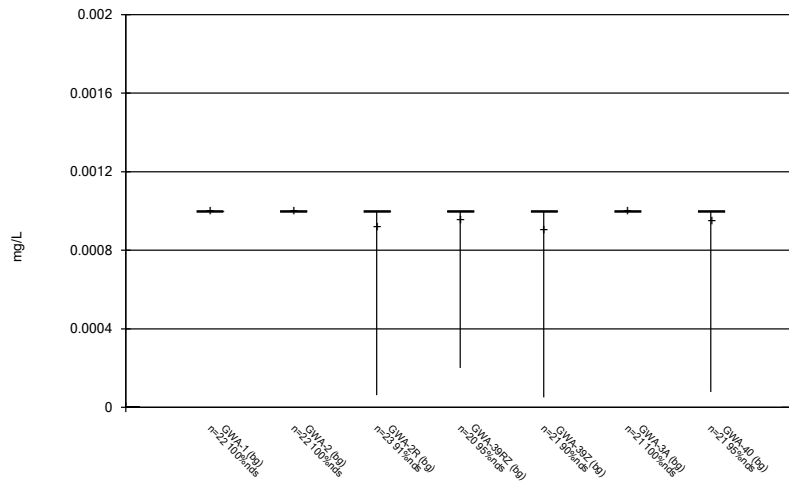
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Box & Whiskers Plot



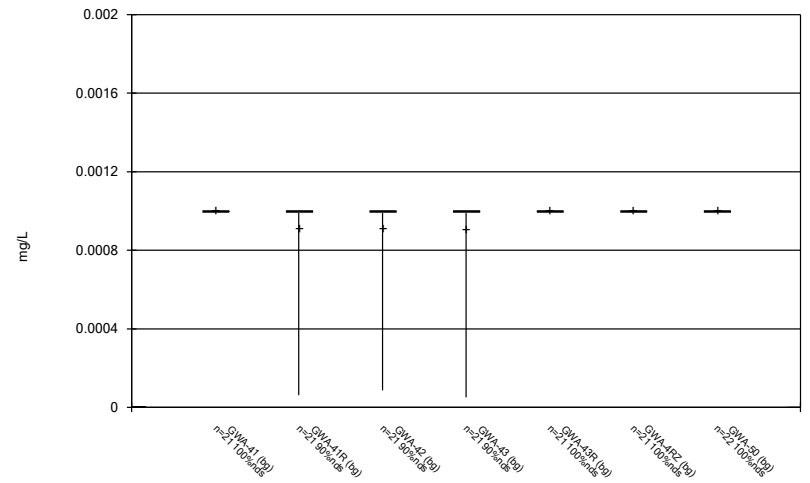
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Box & Whiskers Plot



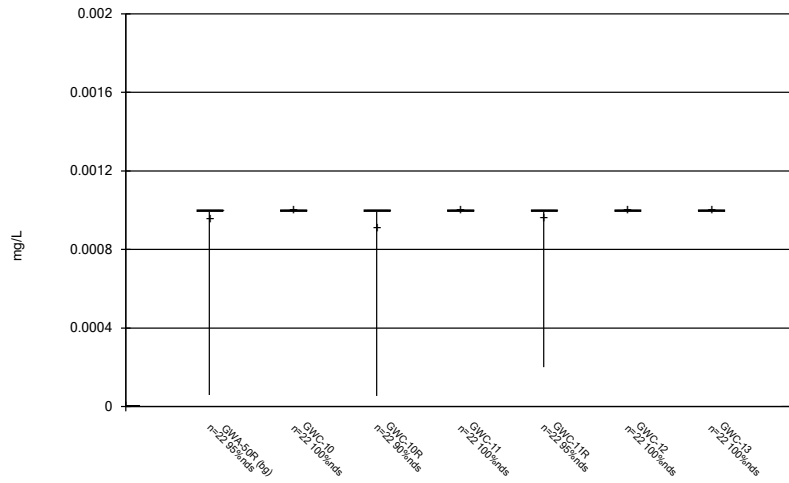
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



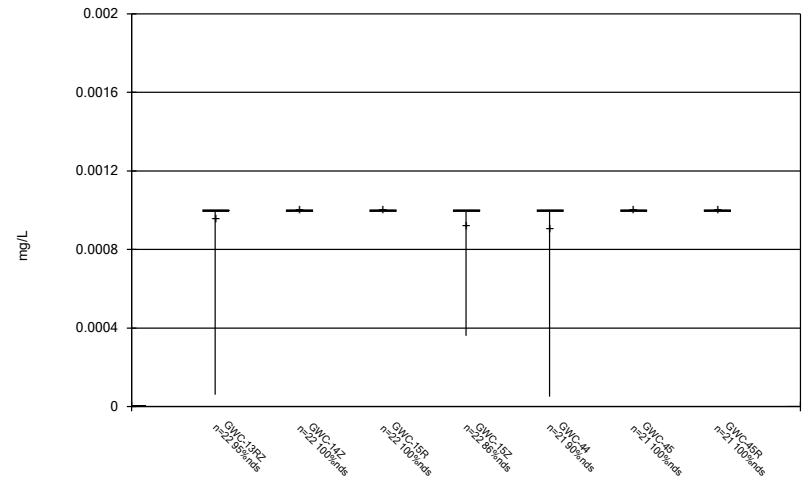
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



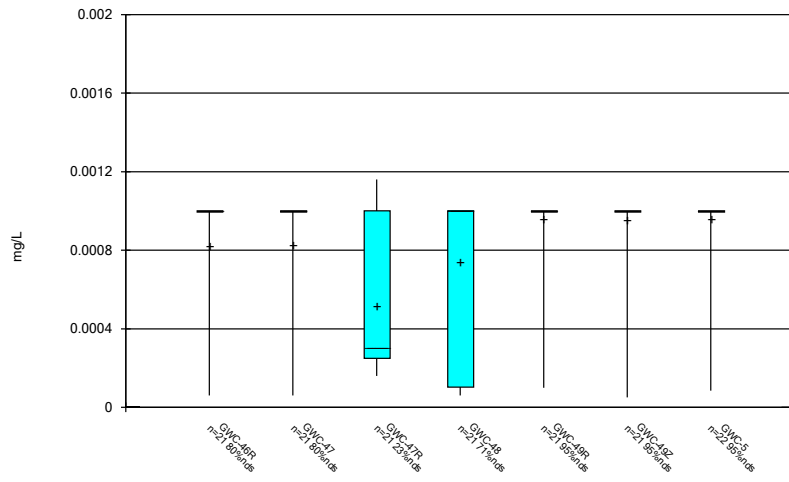
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



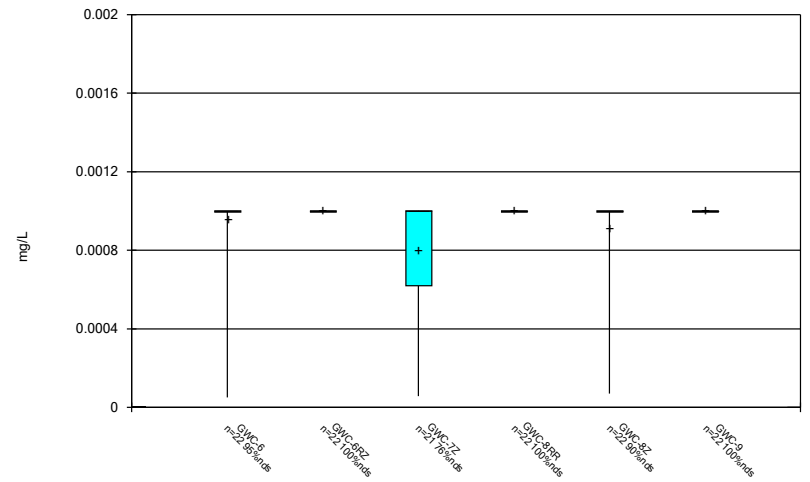
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



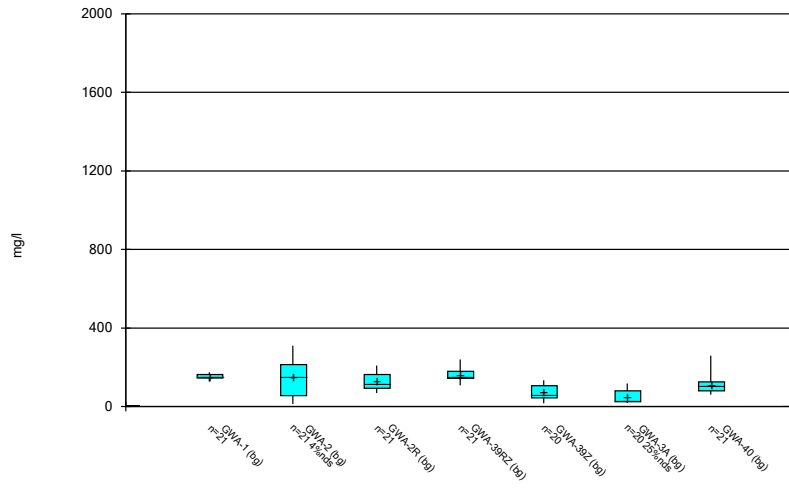
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Box & Whiskers Plot



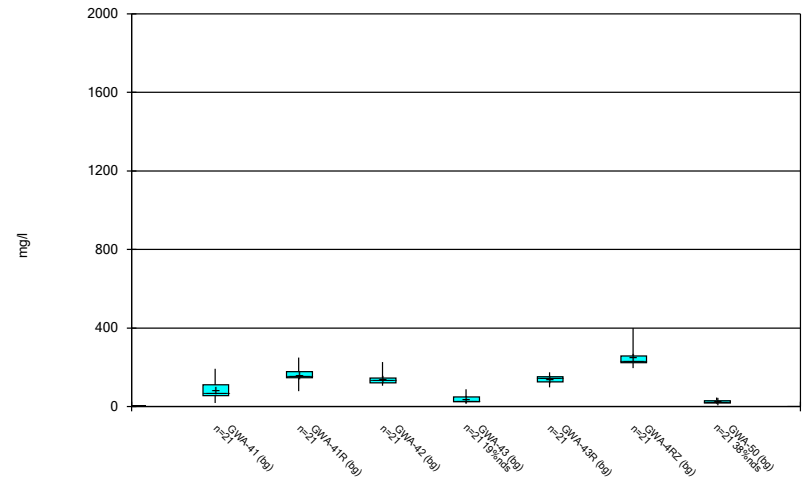
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



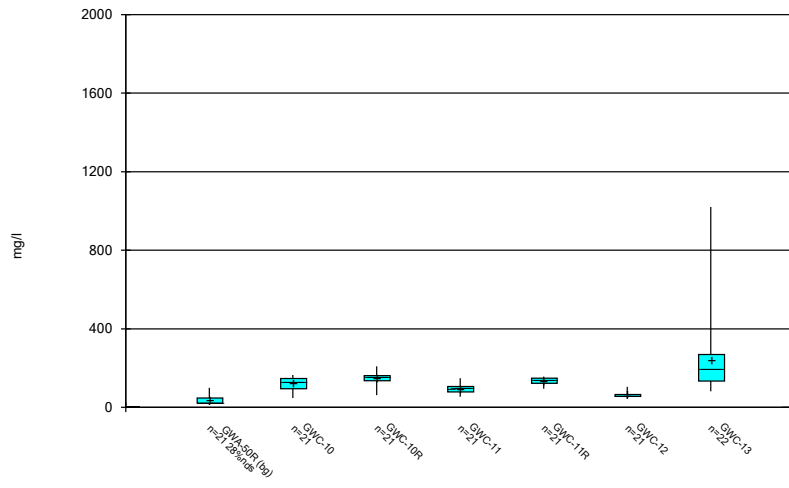
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



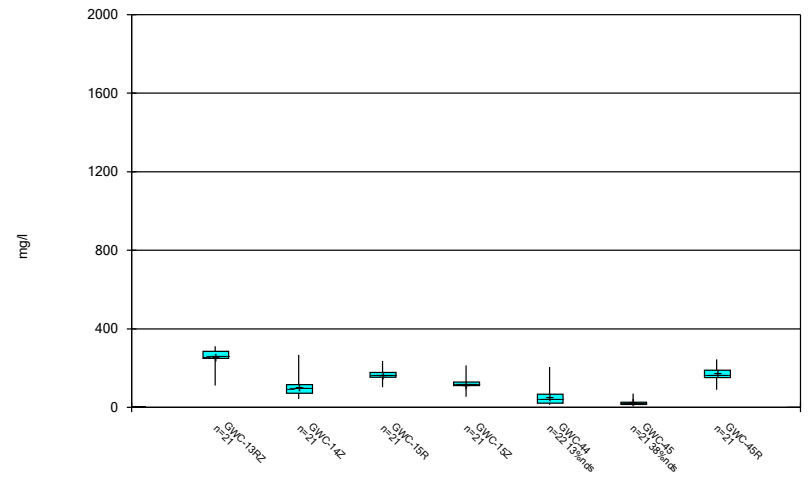
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



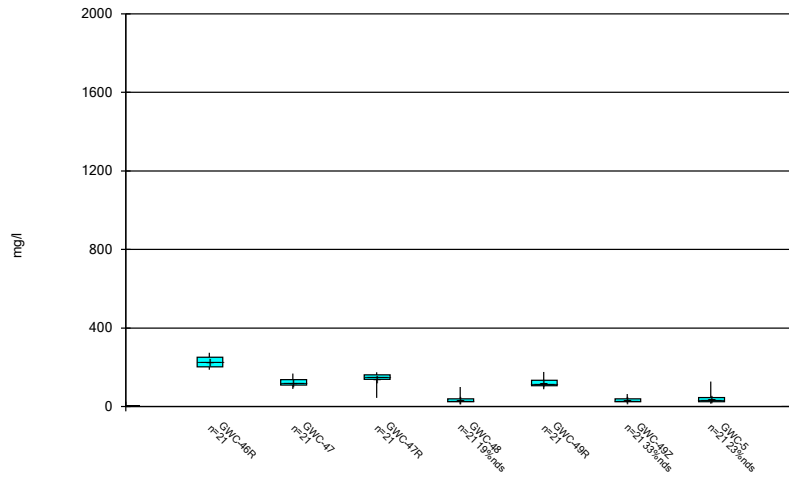
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Box & Whiskers Plot



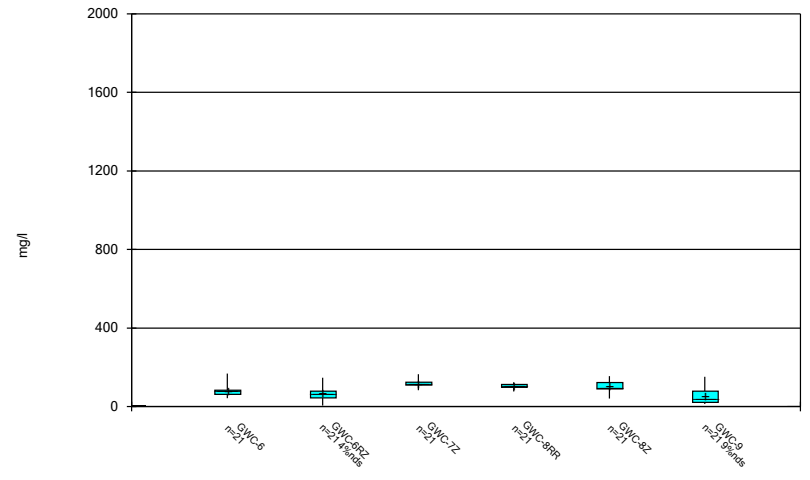
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Box & Whiskers Plot



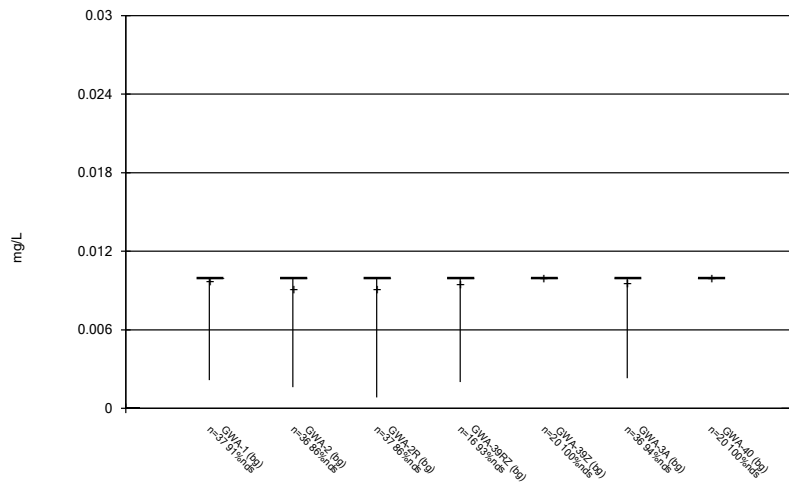
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



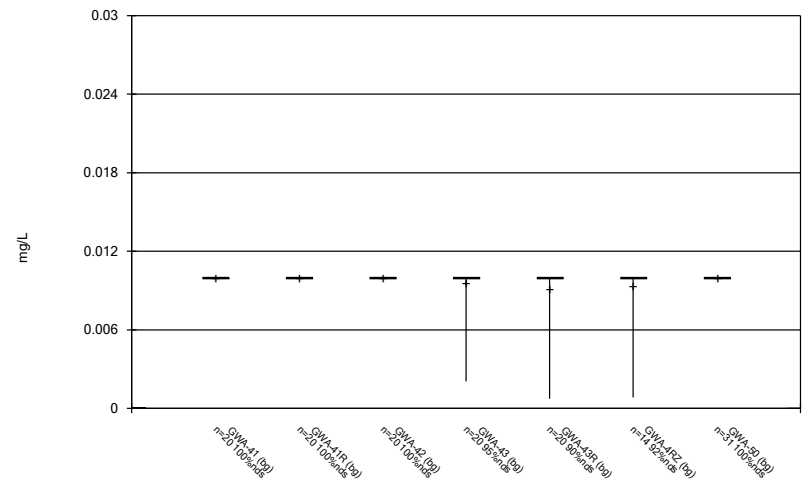
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



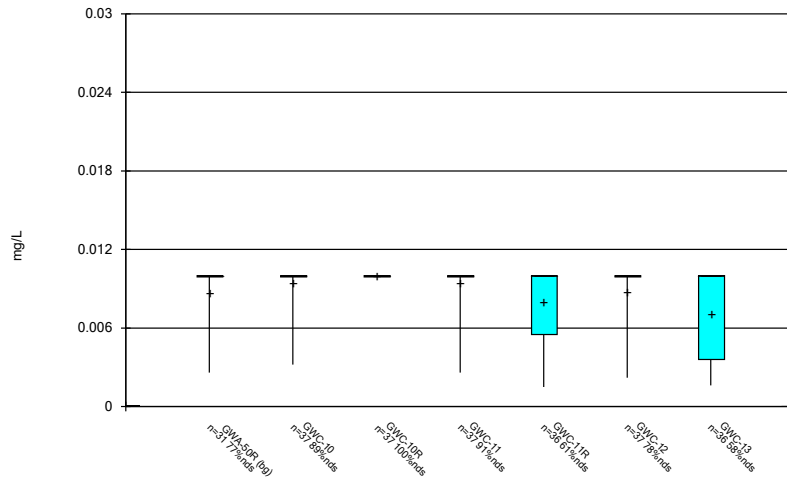
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Box & Whiskers Plot



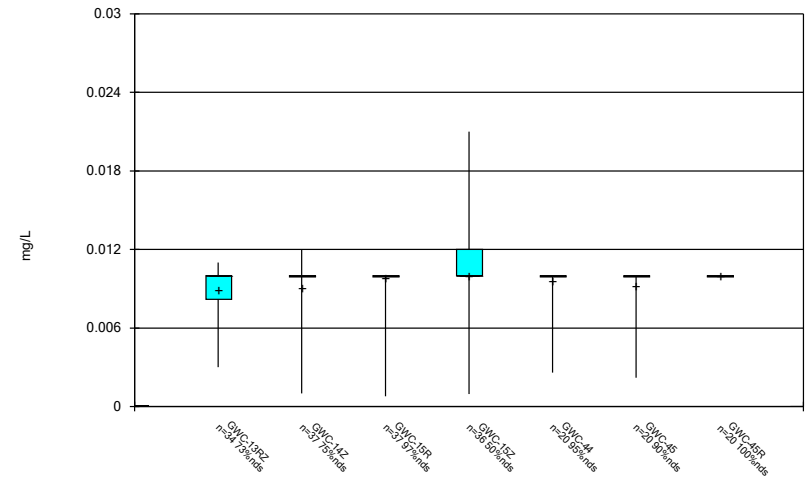
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



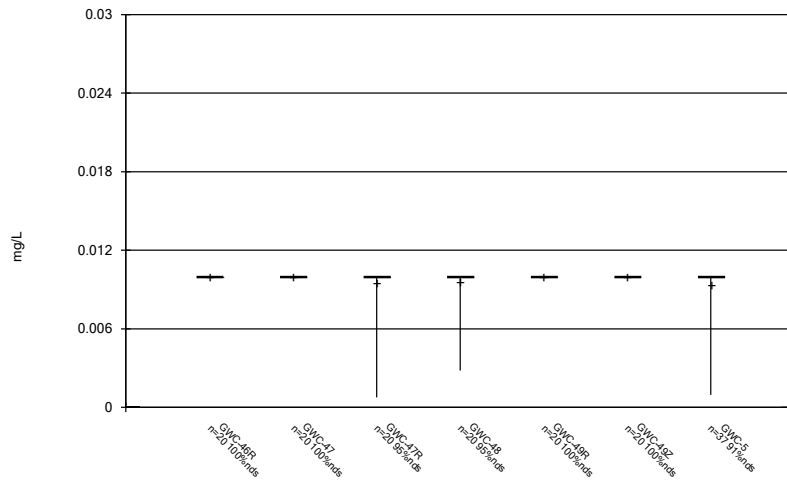
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



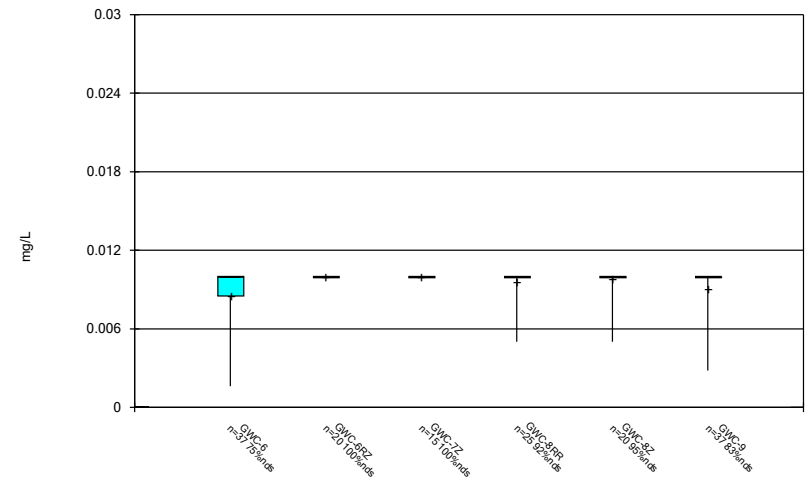
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



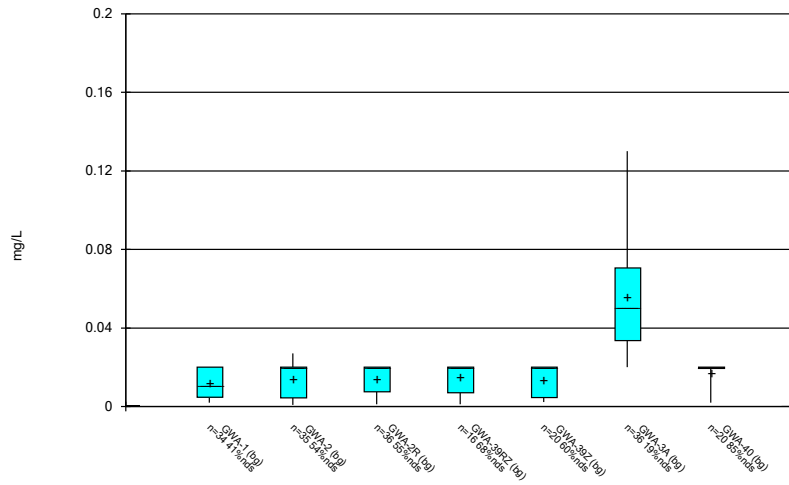
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 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



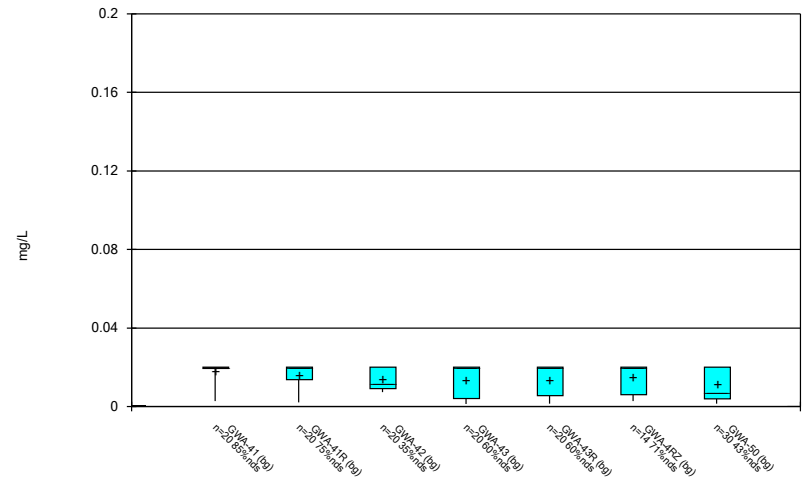
Constituent: Vanadium Analysis Run 9/14/2023 11:58 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



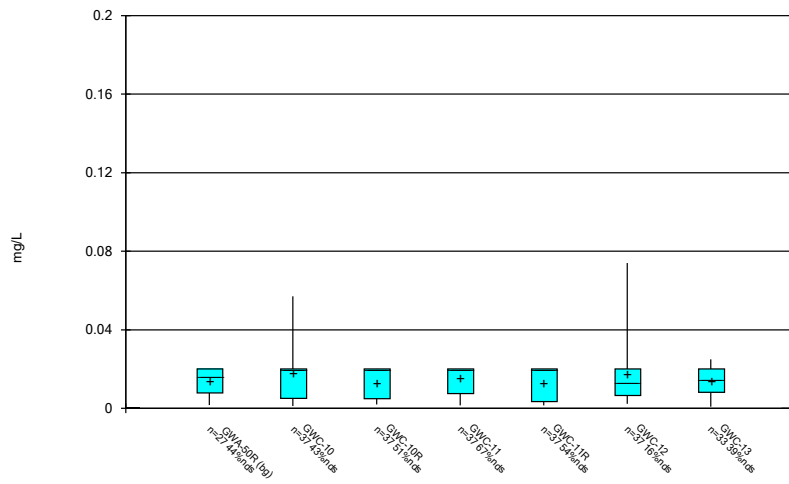
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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



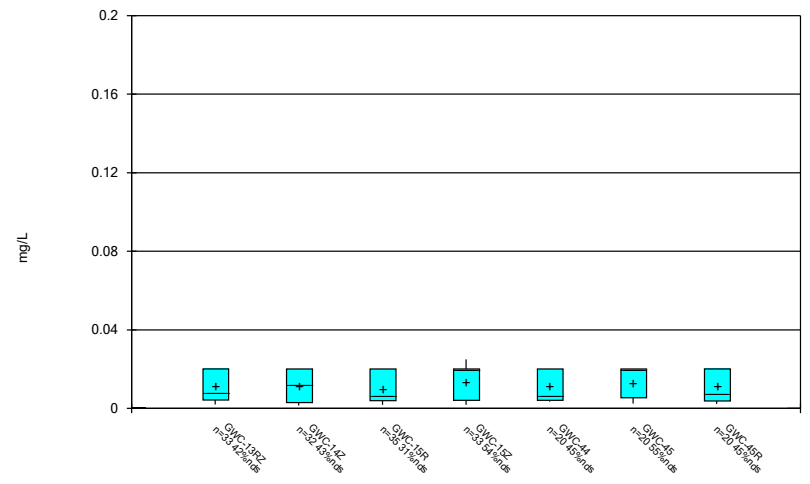
Constituent: Zinc Analysis Run 9/14/2023 11:58 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



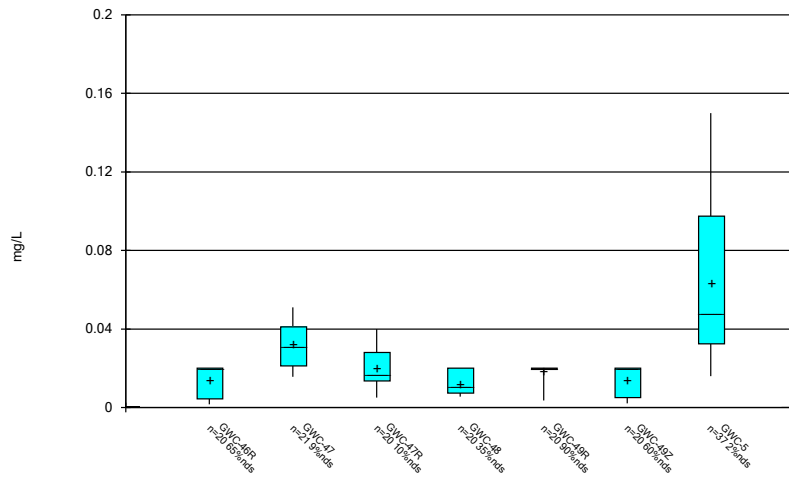
Constituent: Zinc Analysis Run 9/14/2023 11:58 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



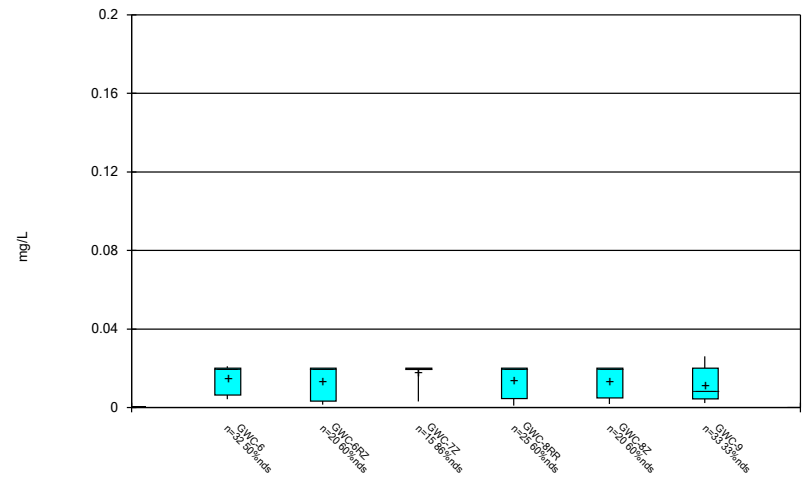
Constituent: Zinc Analysis Run 9/14/2023 11:58 AM
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Zinc Analysis Run 9/14/2023 11:58 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot

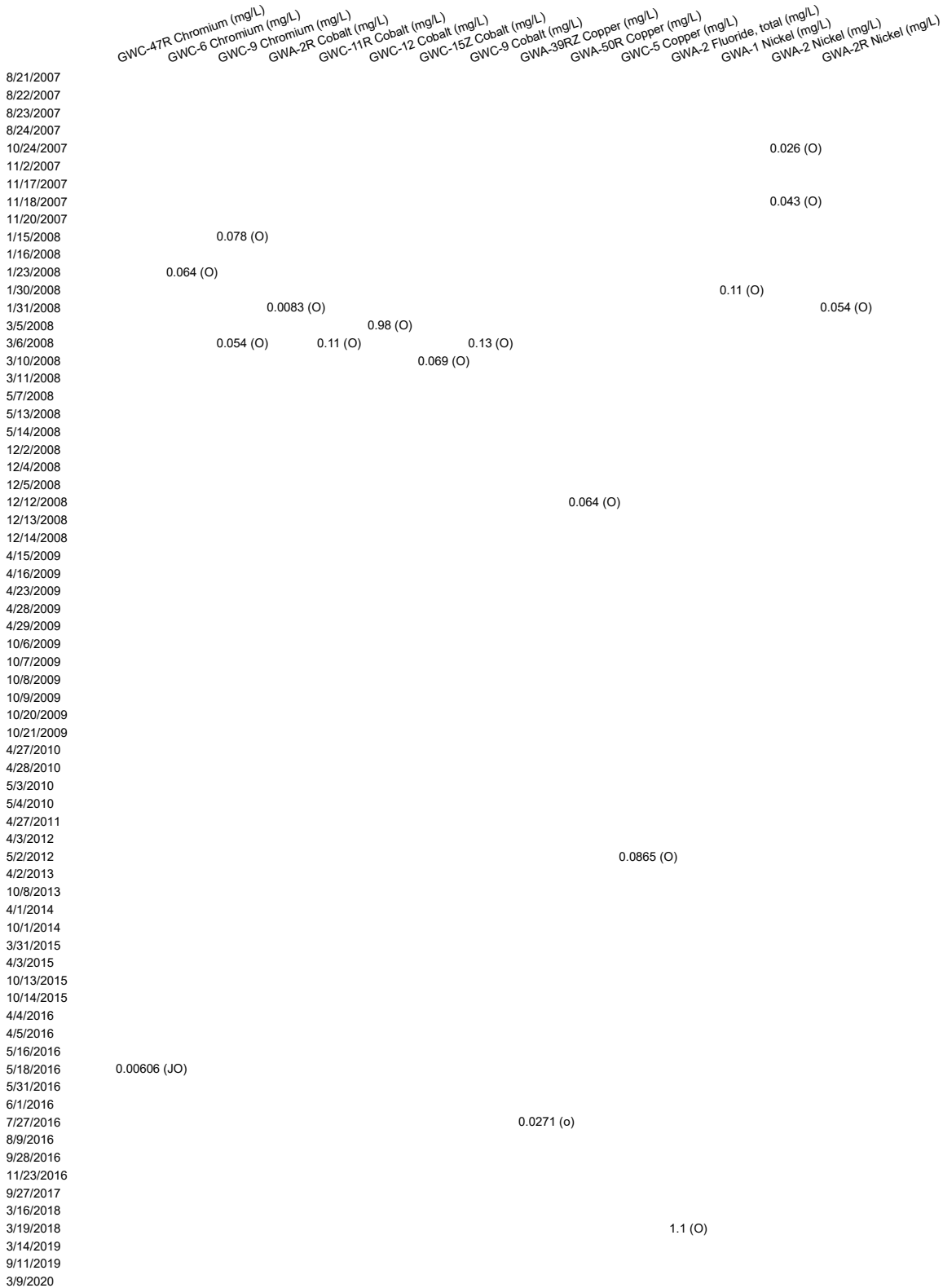


Constituent: Zinc Analysis Run 9/14/2023 11:58 AM
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:16 AM



Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:16 AM

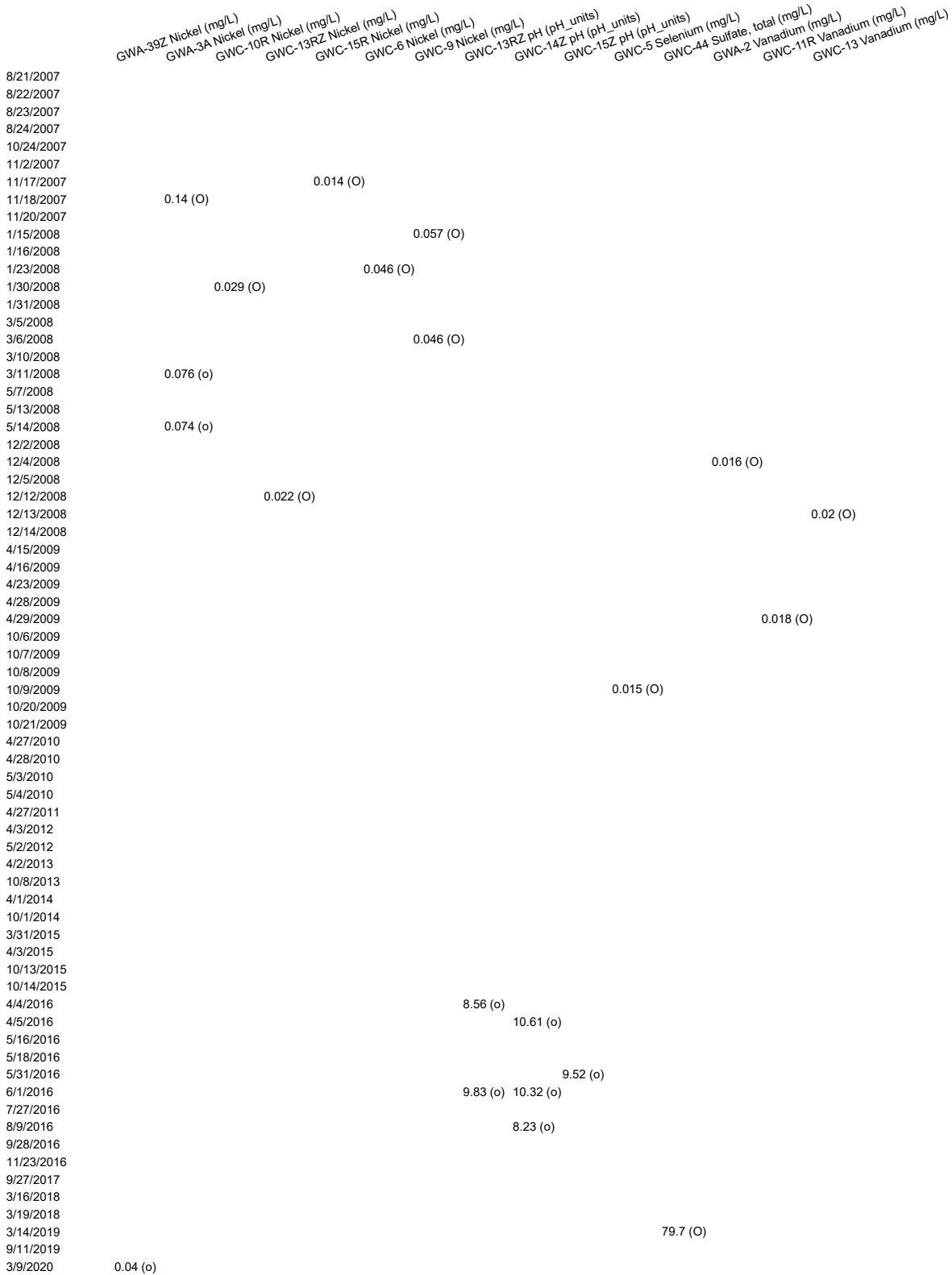


FIGURE D.

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	7/27/2023	0.011	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	7/26/2023	0.013	Yes	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	7/27/2023	0.0048	Yes	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	7/26/2023	0.007	Yes	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	7/26/2023	0.048	Yes	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	7/26/2023	0.0075	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.01	n/a	7/27/2023	0.011	Yes	37	n/a	n/a	43.24	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-2R	0.011	n/a	7/27/2023	0.0095	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-39RZ	0.009814	n/a	7/25/2023	0.003ND	No	15	0.00252	0.002352	20	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-39Z	0.003788	n/a	7/26/2023	0.0028J	No	17	0.00115	0.0008886	29.41	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWA-3A	0.0068	n/a	8/1/2023	0.003ND	No	37	n/a	n/a	64.86	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-40	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41	0.003	n/a	7/25/2023	0.0029J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-41R	0.0037	n/a	7/25/2023	0.0021J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-42	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43	0.003	n/a	7/25/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-43R	0.003	n/a	7/25/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4RZ	0.003	n/a	7/28/2023	0.003ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWA-50	0.003	n/a	7/28/2023	0.003ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-50R	0.003	n/a	7/28/2023	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10R	0.003	n/a	7/31/2023	0.003ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.003	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11R	0.012	n/a	8/1/2023	0.003ND	No	39	n/a	n/a	69.23	n/a	n/a	0.001226	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-12	0.003	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.003	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13RZ	0.00447	n/a	8/2/2023	0.003ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-14Z	0.005	n/a	8/1/2023	0.003ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-15R	0.0106	n/a	8/2/2023	0.003ND	No	38	n/a	n/a	50	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Antimony (mg/L)	GWC-15Z	0.0053	n/a	8/1/2023	0.0028J	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-44	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-45	0.006586	n/a	7/26/2023	0.013	Yes	17	0.03948	0.01404	23.53	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-45R	0.004265	n/a	7/26/2023	0.003ND	No	17	0.001357	0.0009798	47.06	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-46R	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47	0.003	n/a	7/27/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.002535	n/a	7/27/2023	0.0048	Yes	17	-7.189	0.4083	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-48	0.003	n/a	7/26/2023	0.003ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49R	0.0033	n/a	7/27/2023	0.0017J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-49Z	0.003623	n/a	7/27/2023	0.003ND	No	17	-6.797	0.3965	35.29	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	7/28/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.0035	n/a	7/31/2023	0.003ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6RZ	0.003	n/a	7/28/2023	0.003ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7Z	0.003	n/a	7/31/2023	0.003ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8RR	0.003	n/a	7/31/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8Z	0.003	n/a	7/31/2023	0.003ND	No	21	n/a	n/a	100	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	7/31/2023	0.003ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.005	n/a	7/27/2023	0.005ND	No	37	n/a	n/a	100	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2R	0.0056	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39RZ	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-39Z	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3A	0.005	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	97.3	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-40	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4RZ	0.005571	n/a	7/28/2023	0.005ND	No	17	-6.903	0.5772	23.53	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-10	0.0079	n/a	7/31/2023	0.005ND	No	37	n/a	n/a	91.89	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-10R	0.005	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11R	0.0077	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	42.11	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.012	n/a	8/1/2023	0.0065	No	37	n/a	n/a	24.32	n/a	n/a	0.001361	NP Intra (normality) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-13	0.0096	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13RZ	0.0066	n/a	8/2/2023	0.005ND	No	36	n/a	n/a	58.33	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-14Z	0.0079	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15R	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-15Z	0.0077	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.0038J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0038J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47	0.005	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-47R	0.005	n/a	7/27/2023	0.0039J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-49R	0.005	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-49Z	0.005	n/a	7/27/2023	0.0044J	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	7/28/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.005	n/a	7/31/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6RZ	0.005	n/a	7/28/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7Z	0.004641	n/a	7/31/2023	0.005ND	No	17	0.001929	0.0009137	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Arsenic (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.0086	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.04502	n/a	7/27/2023	0.018	No	37	-3.909	0.3174	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.05141	n/a	7/27/2023	0.02	No	36	0.0209	0.01195	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-2R	0.03451	n/a	7/27/2023	0.024	No	36	0.2237	0.03988	0	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39RZ	0.02768	n/a	7/25/2023	0.014	No	16	0.1268	0.01313	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-39Z	0.03941	n/a	7/26/2023	0.016	No	17	0.01411	0.008521	5.882	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-3A	0.009084	n/a	8/1/2023	0.0074	No	28	0.005744	0.001261	3.571	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-40	0.01278	n/a	7/26/2023	0.0081	No	17	0.008742	0.001361	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41	0.03723	n/a	7/25/2023	0.018	No	17	0.02557	0.003928	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-41R	0.05668	n/a	7/25/2023	0.023	No	17	0.02492	0.0107	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-42	0.007092	n/a	7/26/2023	0.0064	No	17	0.006289	0.0002707	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43	0.04685	n/a	7/25/2023	0.012	No	17	0.02083	0.008765	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-43R	0.009608	n/a	7/25/2023	0.0073	No	17	0.007821	0.0006022	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-4RZ	0.05645	n/a	7/28/2023	0.043	No	17	0.03282	0.00796	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50	0.01772	n/a	7/28/2023	0.0075	No	31	0.00959	0.00312	3.226	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWA-50R	0.02271	n/a	7/28/2023	0.0079	No	29	0.01407	0.00328	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03628	n/a	7/31/2023	0.015	No	35	0.1368	0.02096	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-10R	0.0369	n/a	7/31/2023	0.024	No	38	0.02421	0.005	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.036	n/a	8/1/2023	0.0096	No	37	n/a	n/a	2.703	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-11R	0.02549	n/a	8/1/2023	0.018	No	38	0.01365	0.004665	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.07	n/a	8/1/2023	0.022	No	34	n/a	n/a	0	n/a	n/a	0.001599	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-13	0.05665	n/a	8/1/2023	0.026	No	36	0.02799	0.01122	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-14Z	0.05513	n/a	8/1/2023	0.013	No	34	0.134	0.03917	5.882	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15R	0.0322	n/a	8/2/2023	0.015	No	37	0.02379	0.003303	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-15Z	0.02357	n/a	8/1/2023	0.011	No	37	0.01126	0.004835	2.703	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-44	0.09923	n/a	7/26/2023	0.02	No	17	0.04132	0.01951	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45	0.006752	n/a	7/26/2023	0.007	Yes	17	0.005923	0.0002794	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-45R	0.02752	n/a	7/26/2023	0.022	No	17	0.02092	0.002221	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-46R	0.02323	n/a	7/26/2023	0.011	No	17	-4.239	0.1605	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47	0.02056	n/a	7/27/2023	0.0083	No	17	0.01184	0.002938	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-47R	0.0365	n/a	7/27/2023	0.0076	No	17	-4.549	0.4172	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-48	0.04387	n/a	7/26/2023	0.048	Yes	18	0.0008705	0.0003606	5.556	None	x^2	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49R	0.03583	n/a	7/27/2023	0.011	No	17	-4.444	0.3757	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-49Z	0.0178	n/a	7/27/2023	0.0036J	No	17	0.1729	0.02972	5.882	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.02799	n/a	7/28/2023	0.012	No	37	0.01756	0.004096	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.02931	n/a	7/31/2023	0.0067	No	35	0.2239	0.03294	2.857	None	x^(1/3)	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-6RZ	0.01787	n/a	7/28/2023	0.0062	No	21	0.0946	0.01394	4.762	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-7Z	0.04219	n/a	7/31/2023	0.014	No	17	0.02581	0.00552	0	None	No	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-8RR	0.024	n/a	7/31/2023	0.012	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-8Z	0.06382	n/a	7/31/2023	0.024	No	21	-3.57	0.2917	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.05337	n/a	7/31/2023	0.046	No	34	0.03874	0.005686	0	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-1	0.00076	n/a	7/27/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39RZ	0.0005	n/a	7/25/2023	0.0005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-39Z	0.0005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-42	0.0002898	n/a	7/26/2023	0.00013J	No	17	0.0001445	0.00004896	11.76	None	No	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWA-43	0.0005	n/a	7/25/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-50	0.0005	n/a	7/28/2023	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	7/31/2023	0.0005ND	No	38	n/a	n/a	100	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10R	0.0005	n/a	7/31/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11R	0.00056	n/a	8/1/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-12	0.001	n/a	8/1/2023	0.00035J	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14Z	0.0005	n/a	8/1/2023	0.0005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-15R	0.0005	n/a	8/2/2023	0.0005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-44	0.0005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-45R	0.0005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47	0.0005	n/a	7/27/2023	0.00017J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-47R	0.0005	n/a	7/27/2023	0.0005ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-48	0.0005469	n/a	7/26/2023	0.00033J	No	17	-8.602	0.3675	5.882	None	ln(x)	0.0001266	Param Intra 1 of 2
Cadmium (mg/L)	GWC-49Z	0.0005	n/a	7/27/2023	0.0005ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0005	n/a	7/28/2023	0.0005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-6	0.0005	n/a	7/31/2023	0.0005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7Z	0.0005	n/a	7/31/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8Z	0.0005	n/a	7/31/2023	0.0005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.012	n/a	7/27/2023	0.005ND	No	35	n/a	n/a	74.29	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.009	n/a	7/27/2023	0.005ND	No	35	n/a	n/a	65.71	n/a	n/a	0.001497	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2R	0.012	n/a	7/27/2023	0.005ND	No	37	n/a	n/a	83.78	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-39RZ	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-39Z	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3A	0.012	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-40	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41	0.015	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWA-50	0.005	n/a	7/28/2023	0.005ND	No	32	n/a	n/a	87.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-50R	0.005	n/a	7/28/2023	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.034	n/a	7/31/2023	0.0019J	No	37	n/a	n/a	45.95	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-10R	0.01	n/a	7/31/2023	0.005ND	No	36	n/a	n/a	77.78	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01362	n/a	8/1/2023	0.0074	No	37	0.005363	0.003241	29.73	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-11R	0.02445	n/a	8/1/2023	0.005J	No	27	0.199	0.03424	3.704	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.03	n/a	8/1/2023	0.0016J	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.035	n/a	8/1/2023	0.0047J	No	38	n/a	n/a	0	n/a	n/a	0.001294	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.0005ND	No	37	n/a	n/a	75.68	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14Z	0.01565	n/a	8/1/2023	0.005ND	No	36	0.05769	0.0264	30.56	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-15R	0.014	n/a	8/2/2023	0.005ND	No	37	n/a	n/a	59.46	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15Z	0.027	n/a	8/1/2023	0.005ND	No	32	n/a	n/a	53.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.0005ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-46R	0.008155	n/a	7/26/2023	0.0073	No	18	0.003333	0.00165	16.67	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-47	0.007262	n/a	7/27/2023	0.0014J	No	17	-6.245	0.4447	11.76	None	ln(x)	0.0001266	Param Intra 1 of 2
Chromium (mg/L)	GWC-47R	0.018	n/a	7/27/2023	0.0028J	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-48	0.01	n/a	7/26/2023	0.002J	No	17	n/a	n/a	29.41	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-49R	0.005	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-49Z	0.00778	n/a	7/27/2023	0.005ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.032	n/a	7/28/2023	0.005ND	No	38	n/a	n/a	55.26	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.027	n/a	7/31/2023	0.0024J	No	37	n/a	n/a	27.03	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-6RZ	0.01	n/a	7/28/2023	0.0023J	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8RR	0.0056	n/a	7/31/2023	0.005ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.0016J	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-9	0.018	n/a	7/31/2023	0.005ND	No	36	n/a	n/a	80.56	n/a	n/a	0.001429	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.013	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2R	0.005	n/a	7/27/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39RZ	0.0057	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-39Z	0.0104	n/a	7/26/2023	0.005ND	No	17	0.04156	0.02036	29.41	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-3A	0.0057	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	40.54	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.00053J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4RZ	0.03012	n/a	7/28/2023	0.02	No	17	0.01064	0.006563	5.882	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWA-50R	0.005	n/a	7/28/2023	0.005ND	No	32	n/a	n/a	81.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.013	n/a	7/31/2023	0.0007J	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11	0.016	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-11R	0.005	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-12	0.01	n/a	8/1/2023	0.0032J	No	37	n/a	n/a	8.108	n/a	n/a	0.001361	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-13	0.011	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-13RZ	0.0079	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14Z	0.011	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	81.58	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15R	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-15Z	0.005	n/a	8/1/2023	0.005ND	No	37	n/a	n/a	94.59	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.0015J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0013J	No	17	n/a	n/a	11.76	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-48	0.005	n/a	7/26/2023	0.0029J	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-49Z	0.008028	n/a	7/27/2023	0.00044J	No	17	0.003094	0.001662	11.76	None	No	0.0001266	Param Intra 1 of 2
Cobalt (mg/L)	GWC-5	0.0073	n/a	7/28/2023	0.005ND	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	17	n/a	n/a	5.882	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.0067	n/a	7/31/2023	0.005ND	No	37	n/a	n/a	72.97	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-1	0.0094	n/a	7/27/2023	0.0012J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.013	n/a	7/27/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2R	0.013	n/a	7/27/2023	0.0017J	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39RZ	0.011	n/a	7/25/2023	0.005ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-39Z	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3A	0.06218	n/a	8/1/2023	0.005ND	No	32	0.03331	0.01113	6.25	None	No	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-40	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWA-4RZ	0.005	n/a	7/28/2023	0.005ND	No	10	n/a	n/a	70	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-50	0.02262	n/a	7/28/2023	0.0023J	No	27	0.07647	0.02773	14.81	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWA-50R	0.02138	n/a	7/28/2023	0.0034J	No	16	-5.507	0.5512	0	None	ln(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.006	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10R	0.007	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.013	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11R	0.019	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	69.7	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.0067	n/a	8/1/2023	0.0039J	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.005	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	81.82	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13RZ	0.013	n/a	8/2/2023	0.0011J	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14Z	0.0056	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15R	0.02	n/a	8/2/2023	0.005ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-15Z	0.021	n/a	8/1/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45	0.012	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-47R	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-48	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-49Z	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.07478	n/a	7/28/2023	0.024	No	32	0.1527	0.04654	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Copper (mg/L)	GWC-6	0.0069	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6RZ	0.005	n/a	7/28/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	11	n/a	n/a	63.64	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.01	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	66.67	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-1	0.0028	n/a	7/27/2023	0.001ND	No	38	n/a	n/a	78.95	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.002536	n/a	7/27/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2R	0.001	n/a	7/27/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39RZ	0.0011	n/a	7/25/2023	0.00014J	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-39Z	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-40	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41	0.001	n/a	7/25/2023	0.001ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-41R	0.001	n/a	7/25/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-42	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43	0.001	n/a	7/25/2023	0.00018J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-43R	0.0038	n/a	7/25/2023	0.001ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4RZ	0.001	n/a	7/28/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50	0.001	n/a	7/28/2023	0.001ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-50R	0.0012	n/a	7/28/2023	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10R	0.001	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11R	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	76.32	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-13RZ	0.001	n/a	8/2/2023	0.001ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-14Z	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15R	0.0011	n/a	8/2/2023	0.00024J	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15Z	0.001	n/a	8/1/2023	0.001ND	No	38	n/a	n/a	92.11	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-44	0.001018	n/a	7/26/2023	0.0002J	No	17	0.0004531	0.0001903	23.53	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Lead (mg/L)	GWC-45	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	35.29	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-45R	0.001	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-47	0.001	n/a	7/27/2023	0.001ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWC-47R	0.001	n/a	7/27/2023	0.001ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-48	0.002529	n/a	7/26/2023	0.001ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-49Z	0.001	n/a	7/27/2023	0.001ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	7/28/2023	0.001ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.001	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	84.21	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6RZ	0.001	n/a	7/28/2023	0.001ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7Z	0.001	n/a	7/31/2023	0.001ND	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-8RR	0.001	n/a	7/31/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8Z	0.001	n/a	7/31/2023	0.001ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-9	0.0012	n/a	7/31/2023	0.001ND	No	38	n/a	n/a	71.05	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.024	n/a	7/27/2023	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.02	n/a	7/27/2023	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2R	0.0093	n/a	7/27/2023	0.005ND	No	32	n/a	n/a	78.13	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39RZ	0.0224	n/a	7/25/2023	0.005ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-39Z	0.01656	n/a	7/26/2023	0.0013J	No	15	0.1494	0.03401	33.33	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-3A	0.05189	n/a	8/1/2023	0.005ND	No	29	0.02228	0.01125	6.897	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWA-41	0.0089	n/a	7/25/2023	0.00073J	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-41R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-42	0.005	n/a	7/26/2023	0.0015J	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-43R	0.005	n/a	7/25/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4RZ	0.005	n/a	7/28/2023	0.005ND	No	10	n/a	n/a	80	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-50	0.005	n/a	7/28/2023	0.00094J	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-50R	0.006681	n/a	7/28/2023	0.00092J	No	16	0.0445	0.01236	6.25	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-10	0.032	n/a	7/31/2023	0.005ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-10R	0.006	n/a	7/31/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11	0.0087	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-11R	0.005	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	93.94	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.029	n/a	8/1/2023	0.0034J	No	33	n/a	n/a	39.39	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-13	0.015	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	75.76	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	31	n/a	n/a	80.65	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14Z	0.011	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15R	0.0096	n/a	8/2/2023	0.005ND	No	32	n/a	n/a	59.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-15Z	0.019	n/a	8/1/2023	0.005ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-44	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-45	0.005	n/a	7/26/2023	0.0012J	No	16	n/a	n/a	6.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-45R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-47R	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	62.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-48	0.005789	n/a	7/26/2023	0.0075	Yes	16	0.003991	0.0005964	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-49R	0.005	n/a	7/27/2023	0.005ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-49Z	0.007304	n/a	7/27/2023	0.0017J	No	16	0.003263	0.001341	6.25	None	No	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.06412	n/a	7/28/2023	0.009	No	33	0.14	0.04382	0	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.022	n/a	7/31/2023	0.005ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7Z	0.005	n/a	7/31/2023	0.005ND	No	11	n/a	n/a	36.36	n/a	n/a	0.01276	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-8RR	0.005	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-8Z	0.005	n/a	7/31/2023	0.005ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.014	n/a	7/31/2023	0.00071J	No	31	n/a	n/a	35.48	n/a	n/a	0.001905	NP Intra (normality) 1 of 2
Selenium (mg/L)	GWA-2	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	86.84	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-2R	0.005	n/a	7/27/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-43	0.005	n/a	7/25/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.0074	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	60.53	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	89.47	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14Z	0.005	n/a	8/1/2023	0.005ND	No	38	n/a	n/a	94.74	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Selenium (mg/L)	GWC-15R	0.005	n/a	8/2/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-44	0.007965	n/a	7/26/2023	0.005ND	No	17	0.003736	0.001425	41.18	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Selenium (mg/L)	GWC-46R	0.005	n/a	7/26/2023	0.005ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-48	0.005	n/a	7/26/2023	0.0016J	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-5	0.0072	n/a	7/28/2023	0.005ND	No	37	n/a	n/a	89.19	n/a	n/a	0.001361	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6RZ	0.005	n/a	7/28/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8Z	0.0089	n/a	7/31/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	7/31/2023	0.005ND	No	38	n/a	n/a	97.37	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-39RZ	0.005	n/a	7/25/2023	0.005ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50	0.005	n/a	7/28/2023	0.00044J	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-50R	0.004422	n/a	7/28/2023	0.00091J	No	27	0.002051	0.0008896	29.63	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Silver (mg/L)	GWC-12	0.005	n/a	8/1/2023	0.005ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-13RZ	0.005	n/a	8/2/2023	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.01	n/a	7/27/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.01	n/a	7/27/2023	0.01ND	No	32	n/a	n/a	84.38	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2R	0.01	n/a	7/27/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-39RZ	0.01	n/a	7/25/2023	0.01ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3A	0.01	n/a	8/1/2023	0.01ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43	0.01	n/a	7/25/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-43R	0.01	n/a	7/25/2023	0.01ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4RZ	0.01	n/a	7/28/2023	0.01ND	No	10	n/a	n/a	90	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-50R	0.01	n/a	7/28/2023	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.01	n/a	7/31/2023	0.01ND	No	33	n/a	n/a	87.88	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11	0.01	n/a	8/1/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-11R	0.01	n/a	8/1/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-12	0.01	n/a	8/1/2023	0.01ND	No	33	n/a	n/a	78.79	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.01	n/a	8/1/2023	0.01ND	No	32	n/a	n/a	56.25	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13RZ	0.011	n/a	8/2/2023	0.01ND	No	30	n/a	n/a	70	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14Z	0.012	n/a	8/1/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15R	0.01	n/a	8/2/2023	0.01ND	No	33	n/a	n/a	96.97	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15Z	0.012	n/a	8/1/2023	0.01ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-44	0.01	n/a	7/26/2023	0.0026J	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-45	0.01	n/a	7/26/2023	0.0026J	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-47R	0.01	n/a	7/27/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-48	0.01	n/a	7/26/2023	0.0028J	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	7/28/2023	0.01ND	No	33	n/a	n/a	90.91	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-6	0.01	n/a	7/31/2023	0.01ND	No	33	n/a	n/a	72.73	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8RR	0.01	n/a	7/31/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-8Z	0.01	n/a	7/31/2023	0.01ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	7/31/2023	0.01ND	No	33	n/a	n/a	84.85	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.02	n/a	7/27/2023	0.02ND	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-2	0.027	n/a	7/27/2023	0.011J	No	31	n/a	n/a	51.61	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2R	0.02	n/a	7/27/2023	0.02ND	No	32	n/a	n/a	50	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-39RZ	0.02	n/a	7/25/2023	0.02ND	No	12	n/a	n/a	58.33	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-39Z	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-3A	0.1542	n/a	8/1/2023	0.02ND	No	32	0.2389	0.05929	9.375	None	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-40	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-41R	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	68.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-42	0.01923	n/a	7/26/2023	0.02ND	No	16	0.1016	0.0123	31.25	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWA-43	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-43R	0.02	n/a	7/25/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-4RZ	0.02	n/a	7/28/2023	0.02ND	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-50	0.02	n/a	7/28/2023	0.02ND	No	26	n/a	n/a	34.62	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWA-50R	0.02	n/a	7/28/2023	0.02ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2

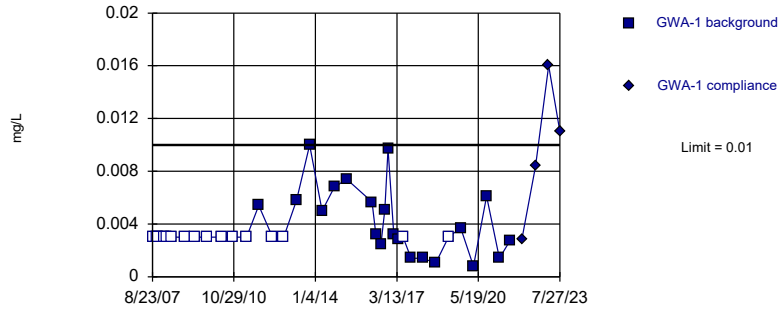
Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:42 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-10	0.05529	n/a	7/31/2023	0.02ND	No	33	0.1855	0.07566	36.36	Kaplan-Meier	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-10R	0.02	n/a	7/31/2023	0.02ND	No	33	n/a	n/a	45.45	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.02	n/a	8/1/2023	0.02ND	No	33	n/a	n/a	63.64	n/a	n/a	0.001701	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-11R	0.02	n/a	8/1/2023	0.02ND	No	33	n/a	n/a	48.48	n/a	n/a	0.001701	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-12	0.07878	n/a	8/1/2023	0.02ND	No	33	0.2369	0.07422	12.12	None	x^(1/3)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13	0.02243	n/a	8/1/2023	0.02ND	No	29	0.00862	0.005244	31.03	Kaplan-Meier	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-13RZ	0.02	n/a	8/2/2023	0.02ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-14Z	0.02	n/a	8/1/2023	0.02ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-15R	0.01505	n/a	8/2/2023	0.02ND	No	31	-5.351	0.4432	22.58	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-15Z	0.025	n/a	8/1/2023	0.02ND	No	29	n/a	n/a	48.28	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-44	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	31.25	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	43.75	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-45R	0.01378	n/a	7/26/2023	0.02ND	No	16	-5.474	0.3946	31.25	Kaplan-Meier	ln(x)	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-46R	0.02	n/a	7/26/2023	0.02ND	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-47	0.06114	n/a	7/27/2023	0.049	No	17	0.02981	0.01056	11.76	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-47R	0.04226	n/a	7/27/2023	0.024	No	16	0.01744	0.008235	12.5	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-48	0.02	n/a	7/26/2023	0.012J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-49R	0.02	n/a	7/27/2023	0.02ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-49Z	0.02	n/a	7/27/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-5	0.07406	n/a	7/28/2023	0.027	No	14	0.03902	0.01099	7.143	None	No	0.0001266	Param Intra 1 of 2
Zinc (mg/L)	GWC-6	0.021	n/a	7/31/2023	0.02ND	No	28	n/a	n/a	42.86	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-6RZ	0.02	n/a	7/28/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7Z	0.02	n/a	7/31/2023	0.02ND	No	11	n/a	n/a	81.82	n/a	n/a	0.01276	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8RR	0.02	n/a	7/31/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8Z	0.02	n/a	7/31/2023	0.02ND	No	16	n/a	n/a	50	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.02176	n/a	7/31/2023	0.02ND	No	29	0.07971	0.02575	24.14	Kaplan-Meier	sqrt(x)	0.0001266	Param Intra 1 of 2

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

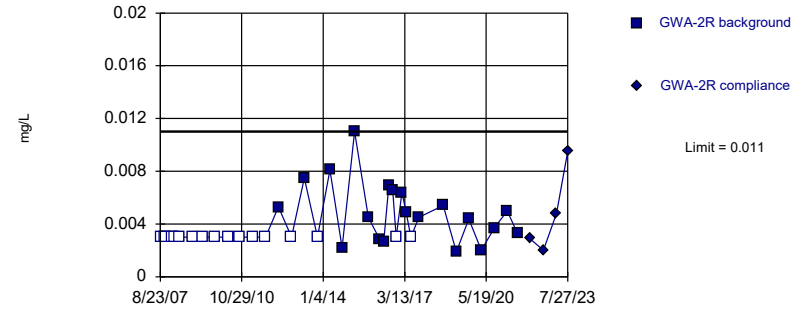


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 43.24% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

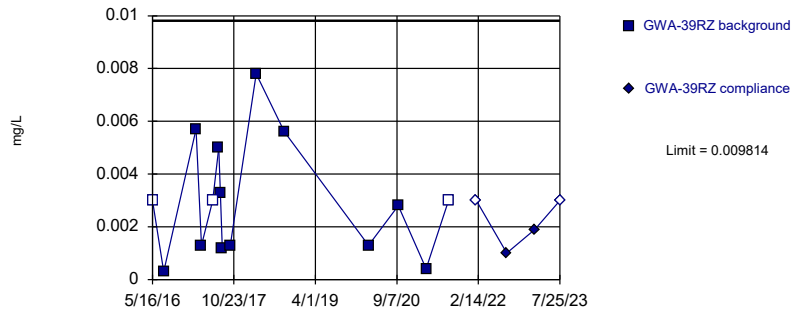


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 45.95% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

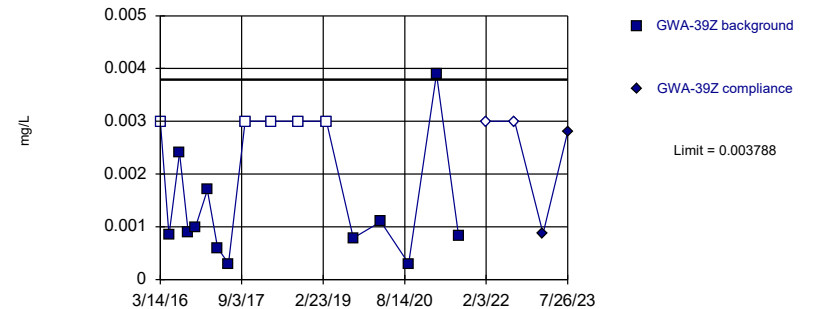


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00252, Std. Dev.=0.002352, n=15, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.914, critical = 0.835. Kappa = 3.102 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

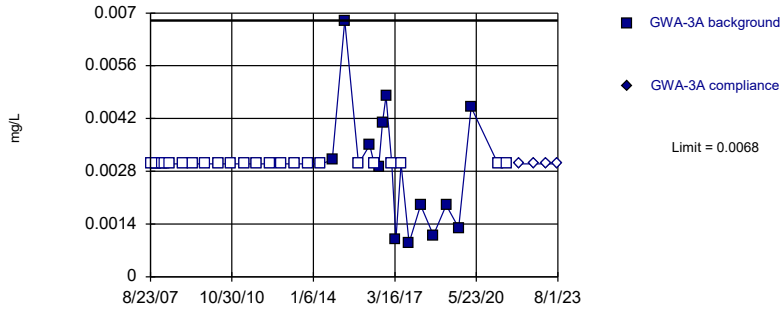


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00115, Std. Dev.=0.0008886, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.863, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

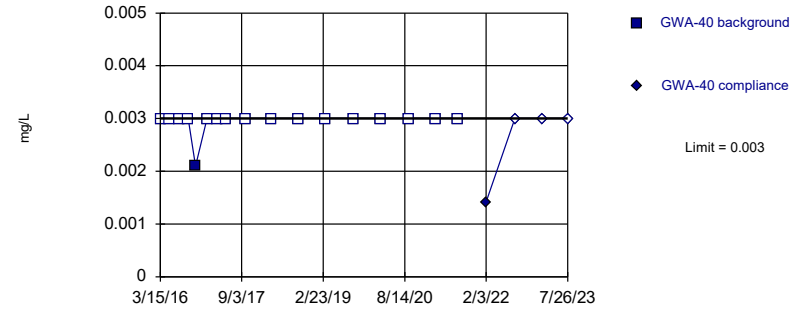


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 64.86% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

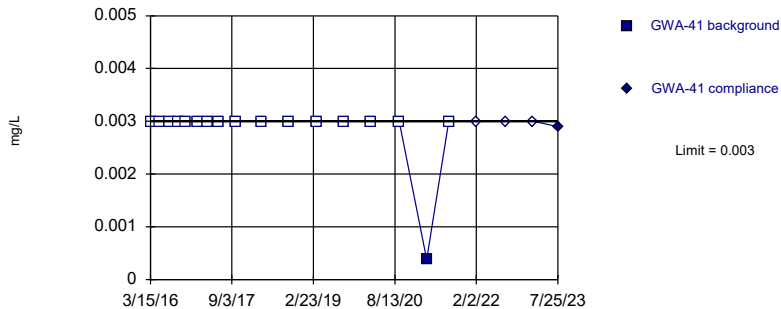


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

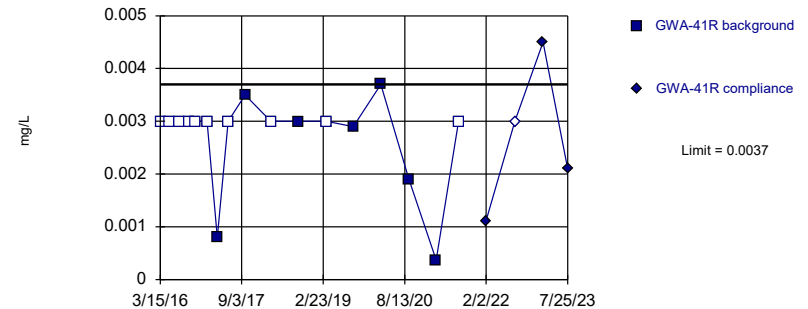


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

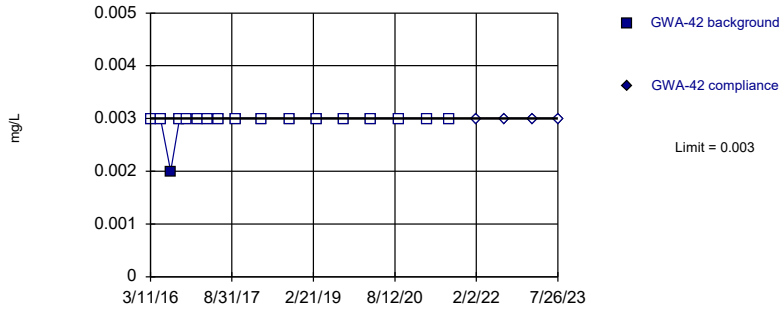


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

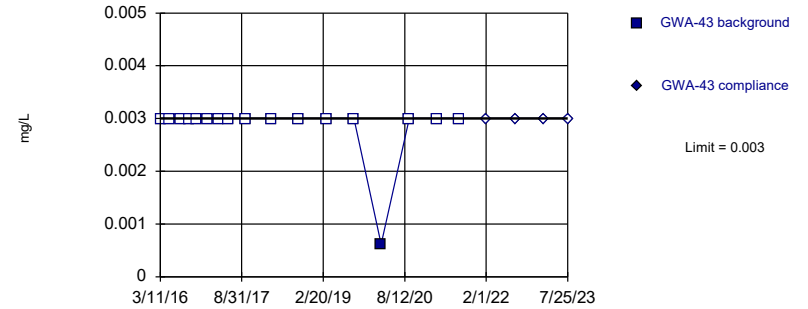


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

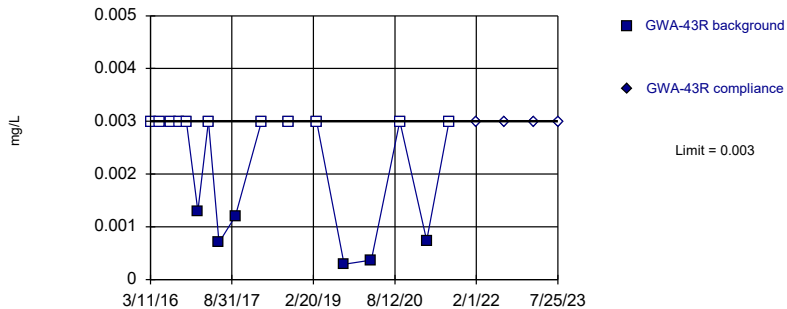


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

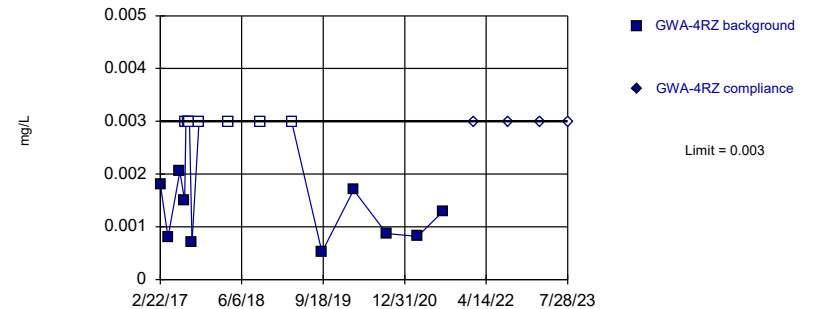


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

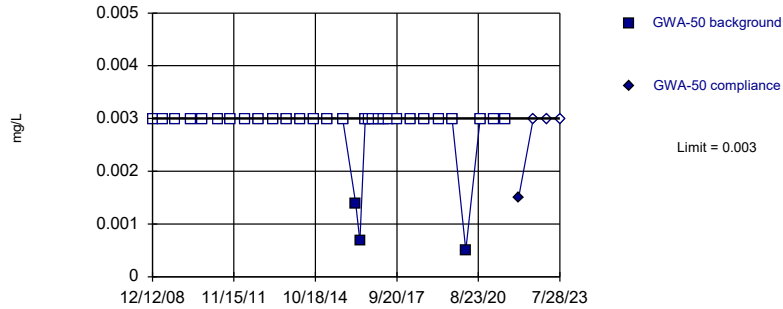


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

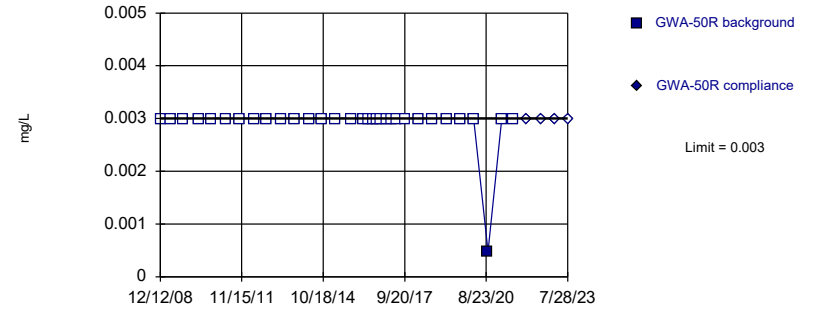


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

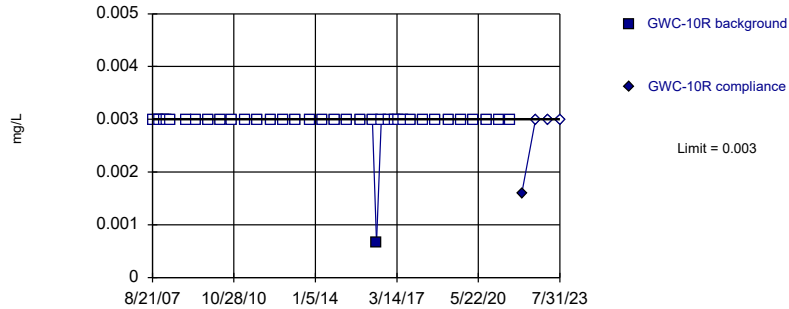


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

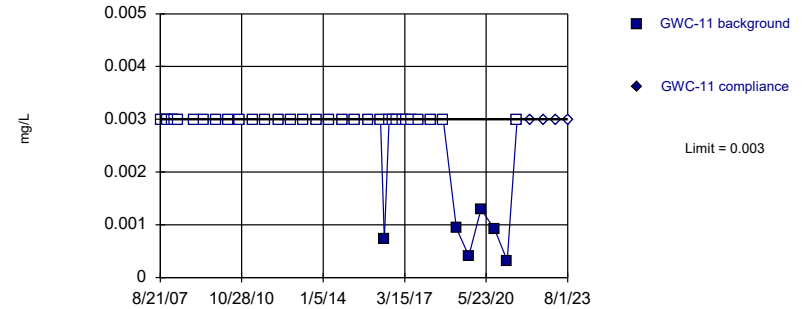


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

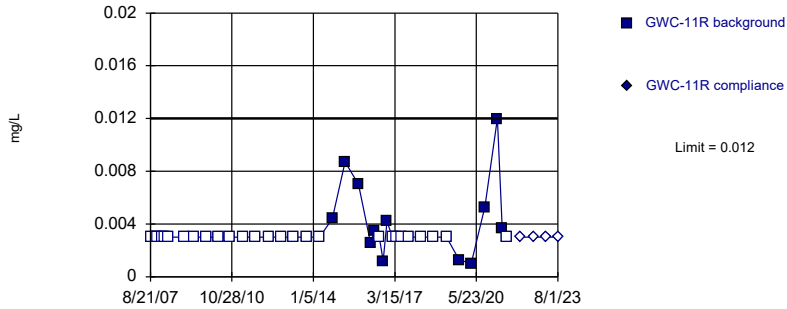


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

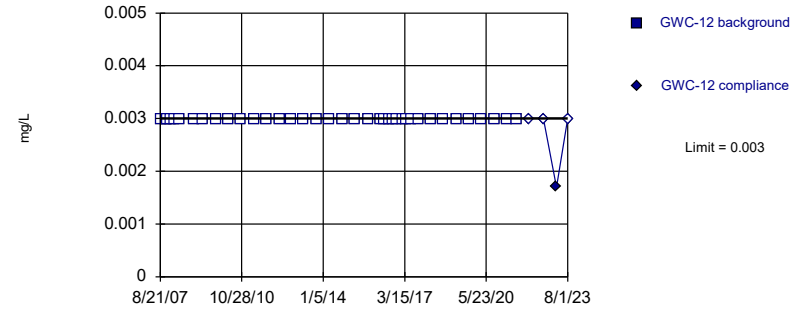


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 39 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.002451. Individual comparison alpha = 0.001226 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

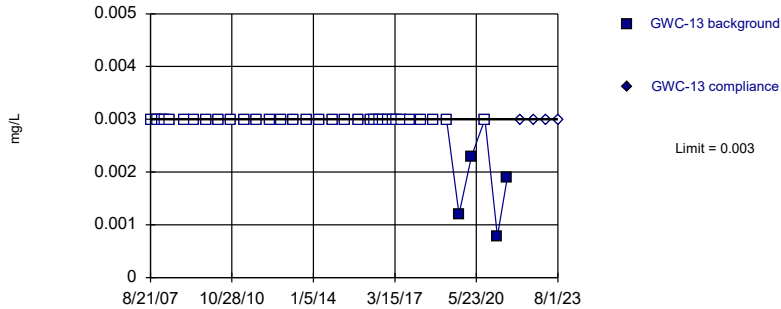


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

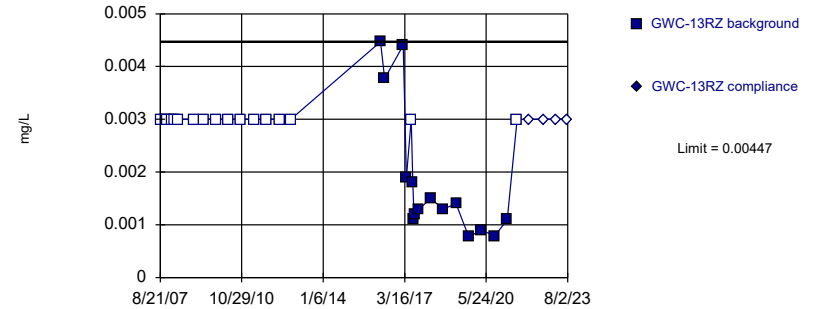


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

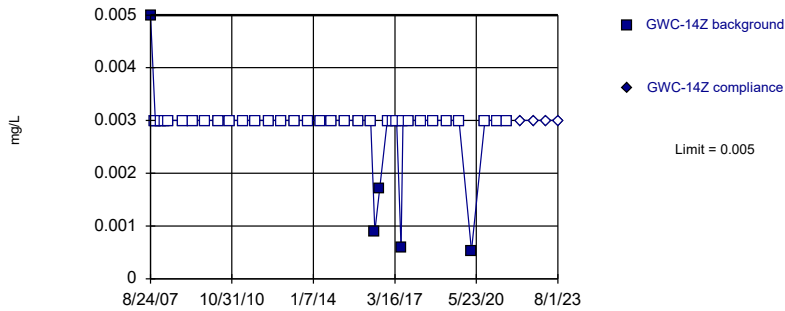


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

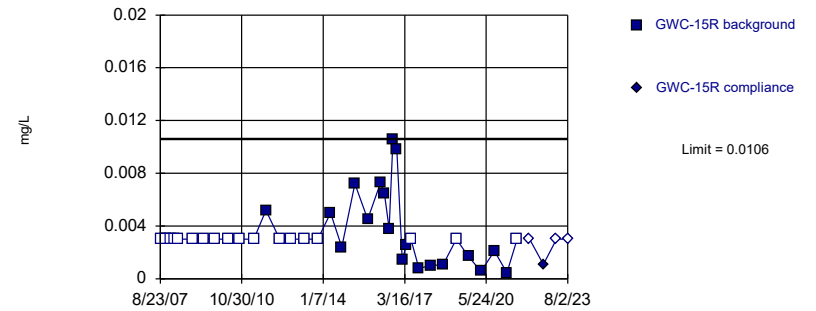


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

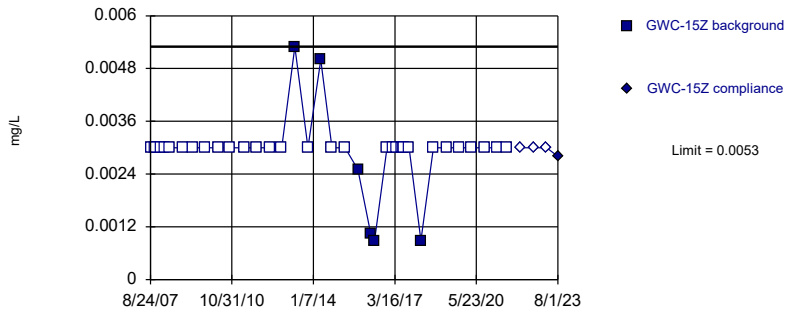


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 50% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

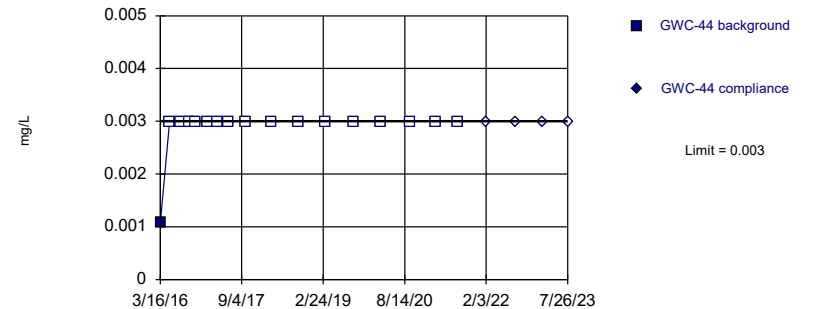


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

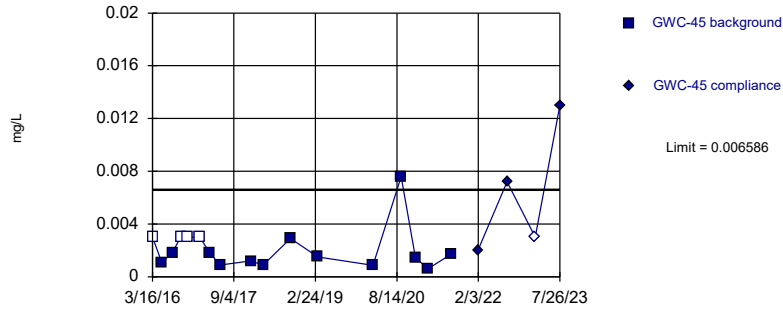


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

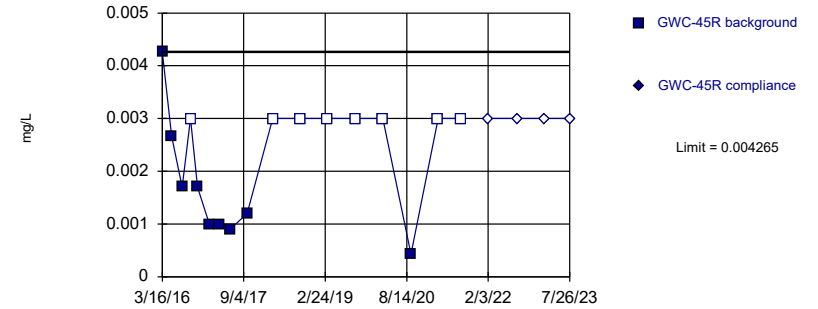


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03948, Std. Dev.=0.01404, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8653, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

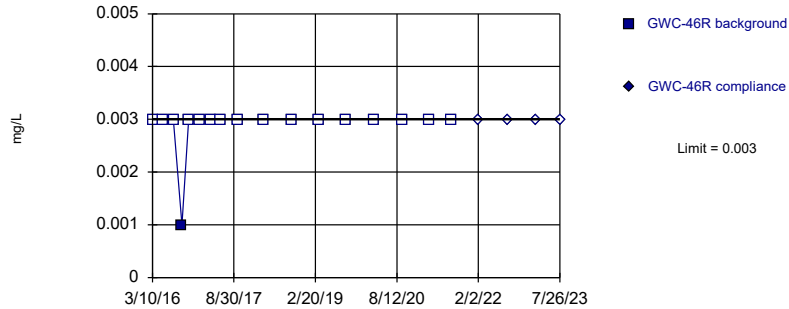


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001357, Std. Dev.=0.0009798, n=17, 47.06% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8661, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

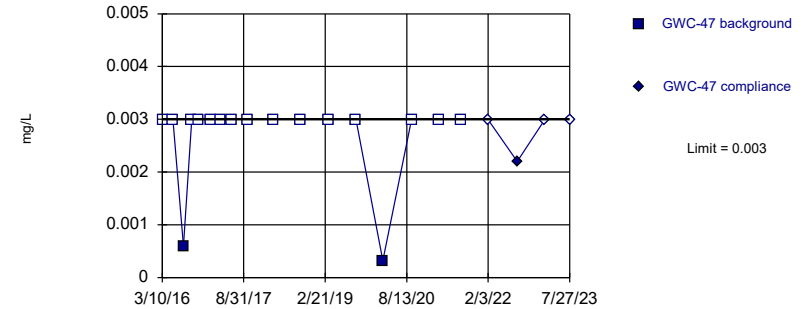


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

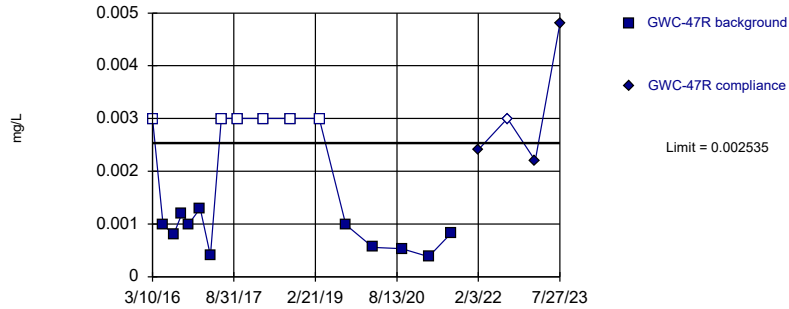


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

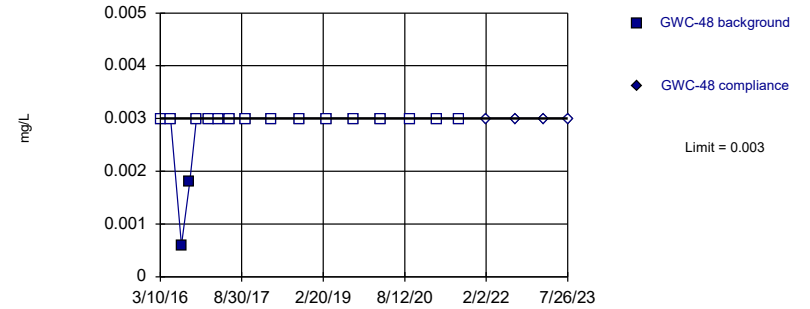


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-7.189, Std. Dev.=0.4083, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8689, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

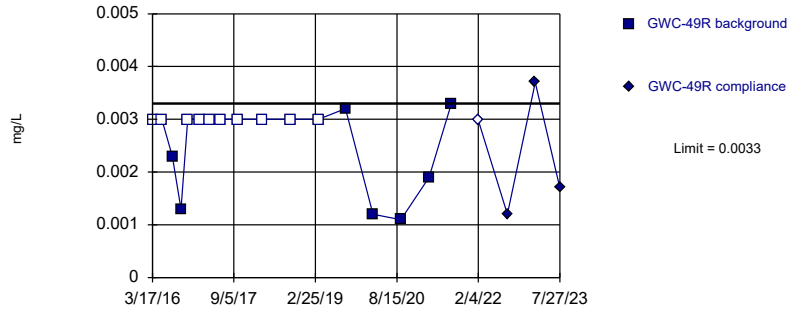


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

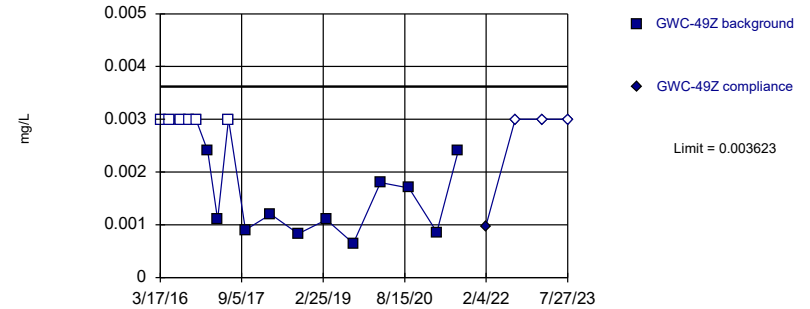


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

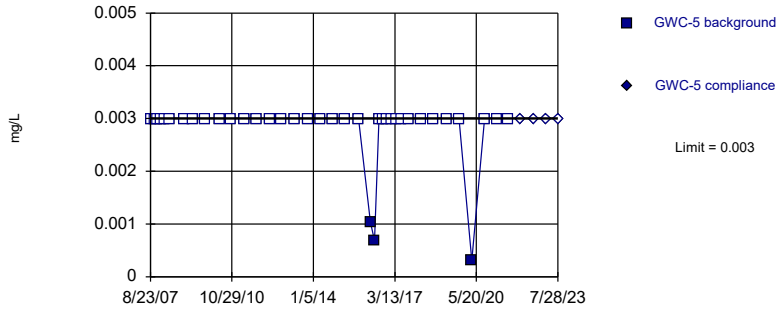


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.797, Std. Dev.=0.3965, n=17, 35.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8546, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

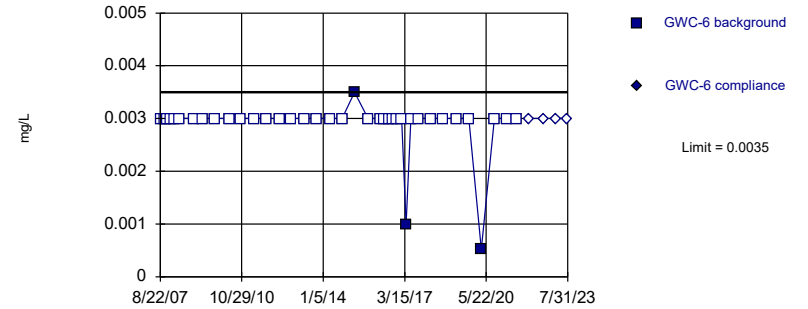


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

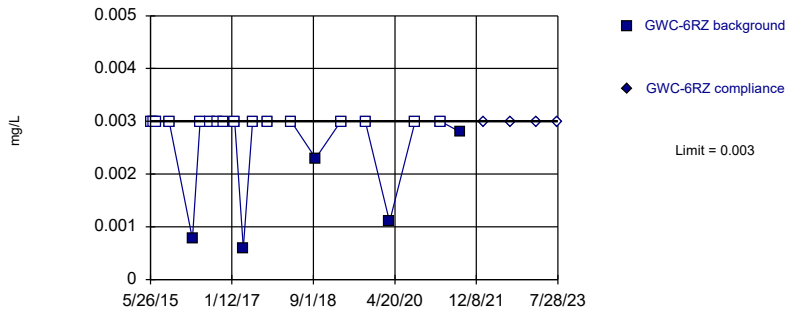


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

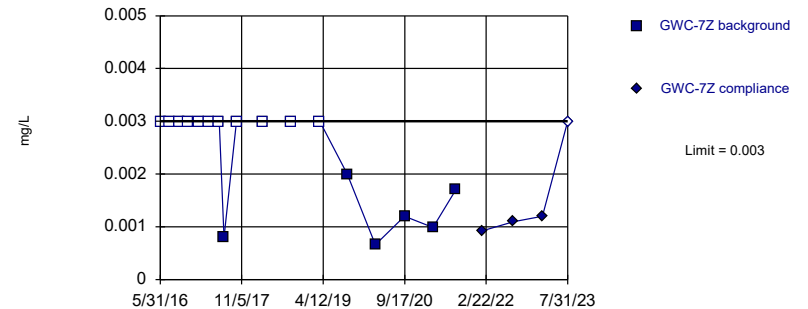


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

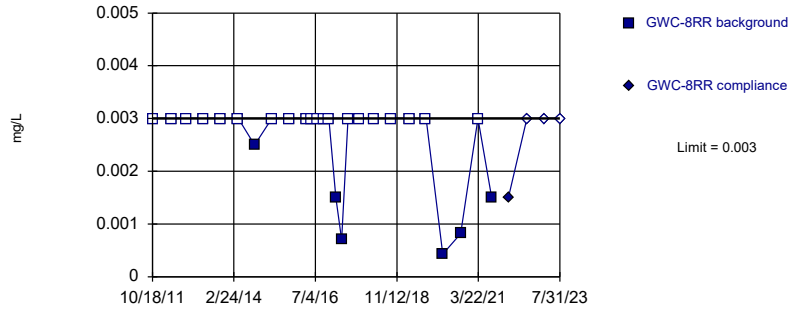


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

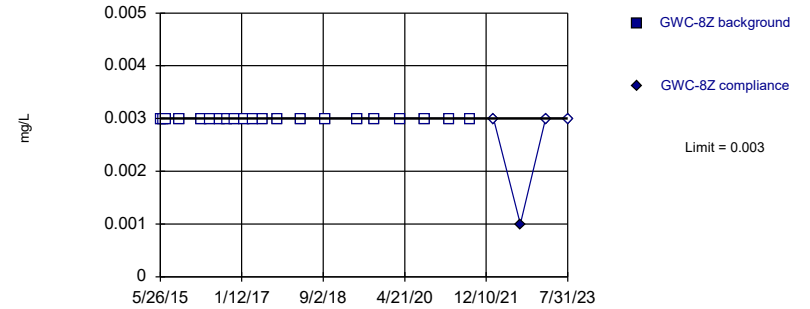


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

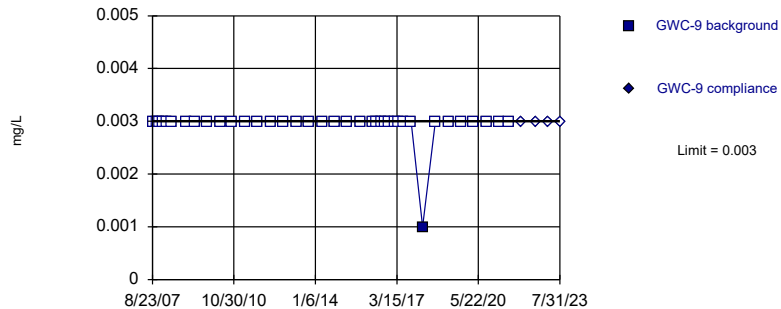


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 21) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

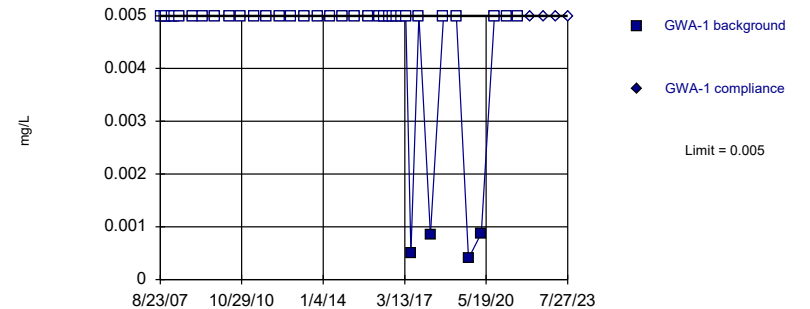


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

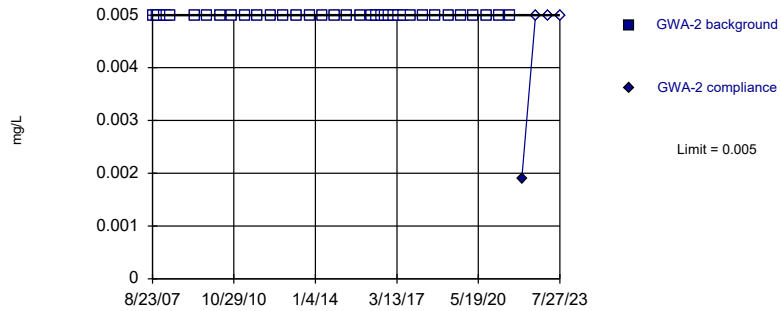


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

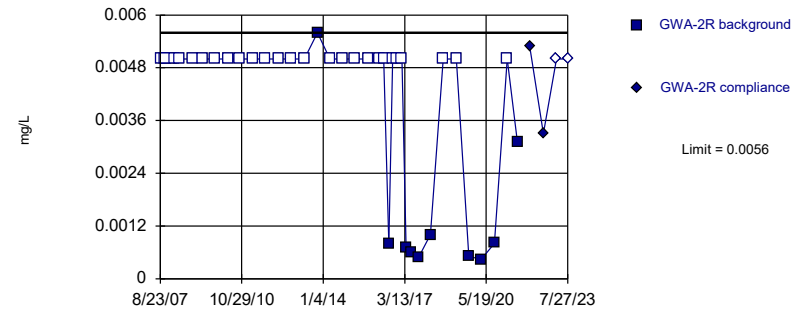


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 37) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

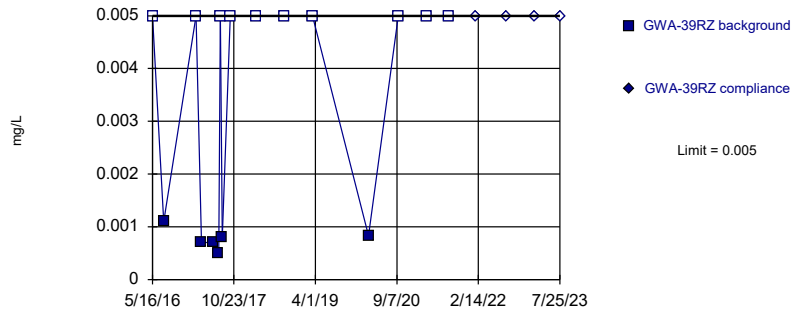


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

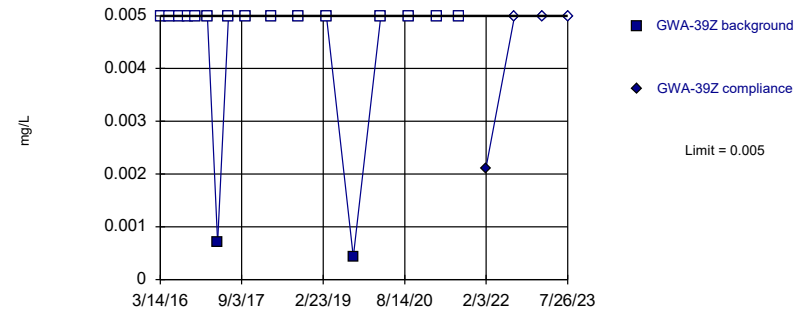


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

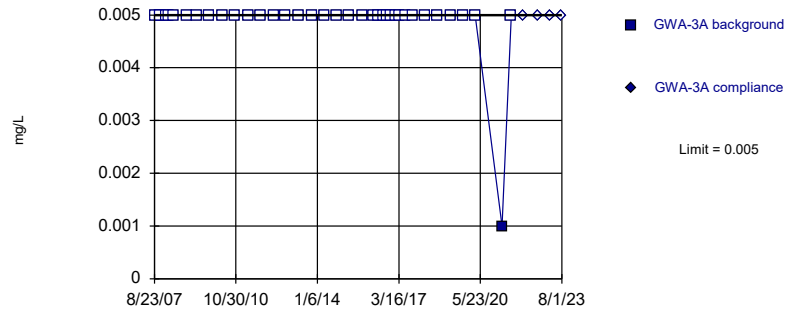


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

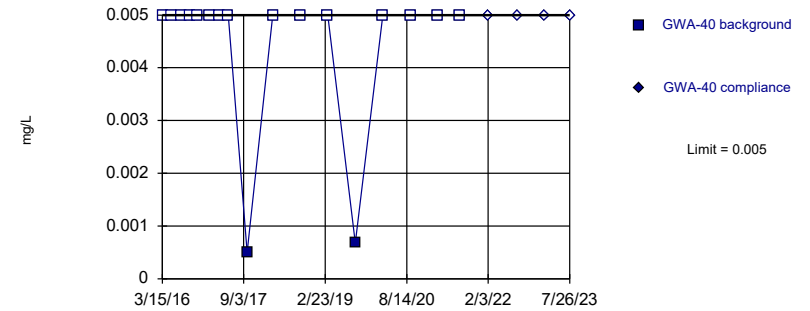


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 97.3% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

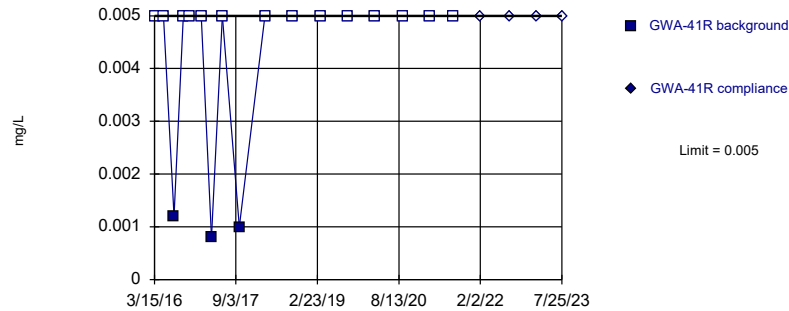


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

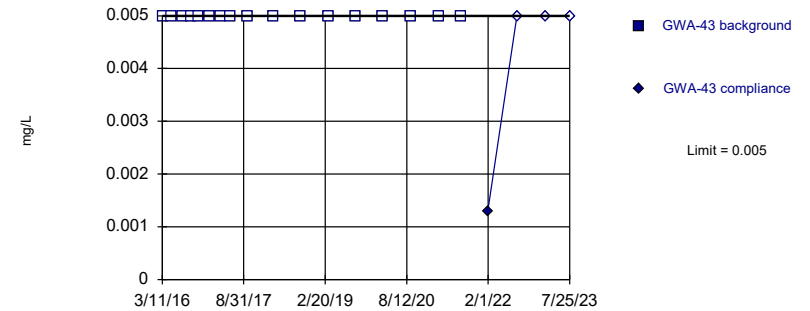


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

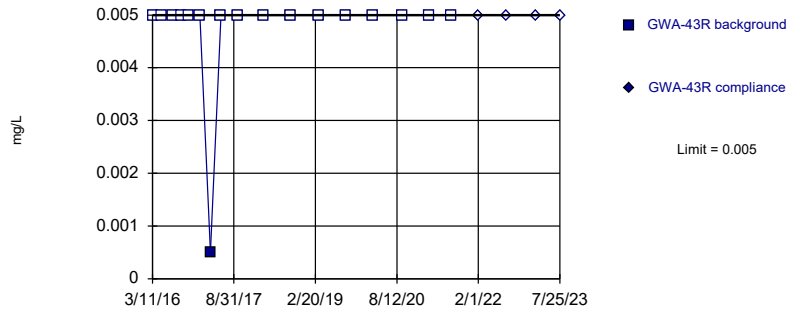


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

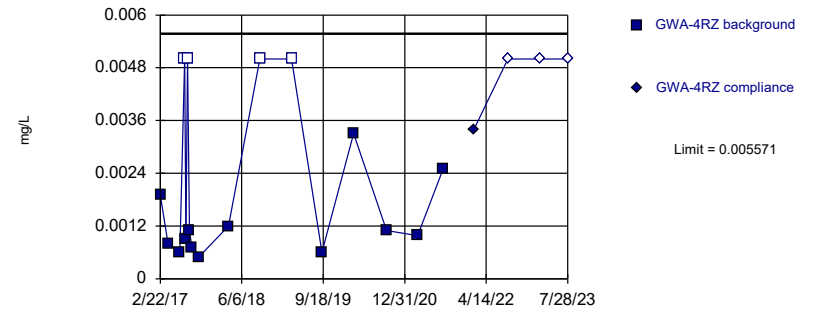


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

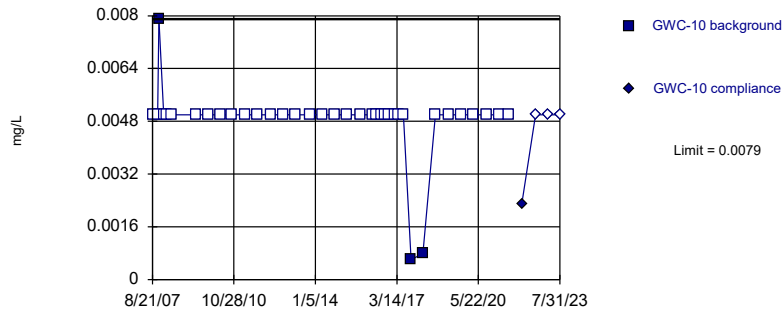


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.903, Std. Dev.=0.5772, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8784, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

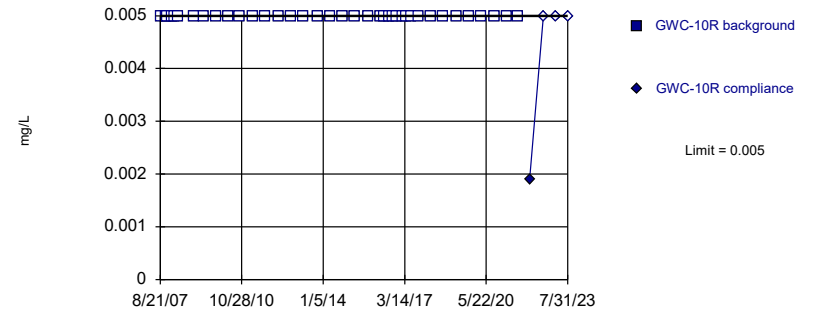


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 91.89% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

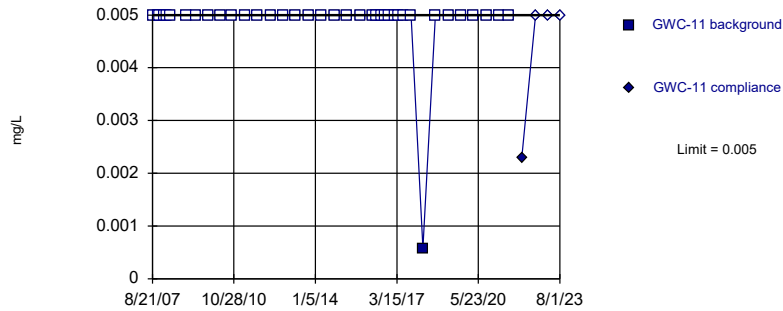


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

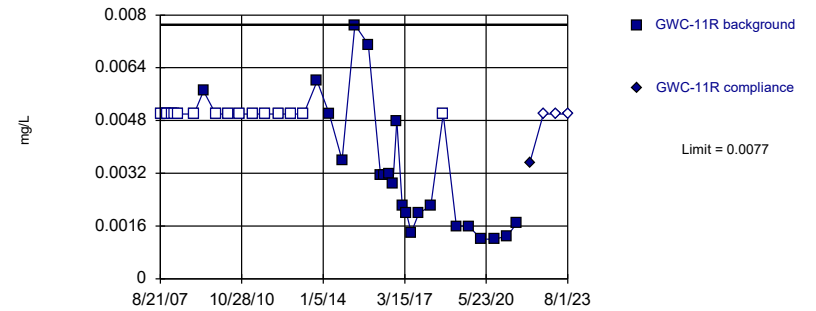


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

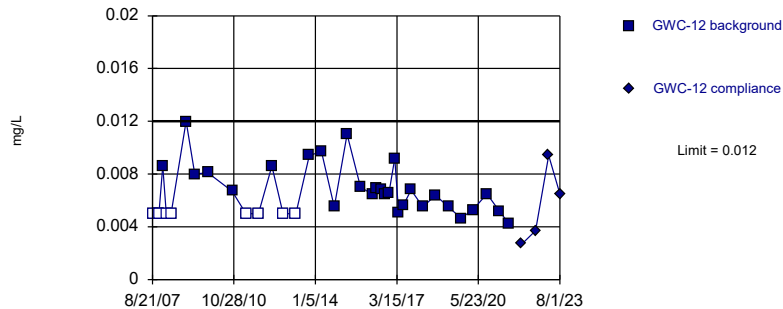


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. 42.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

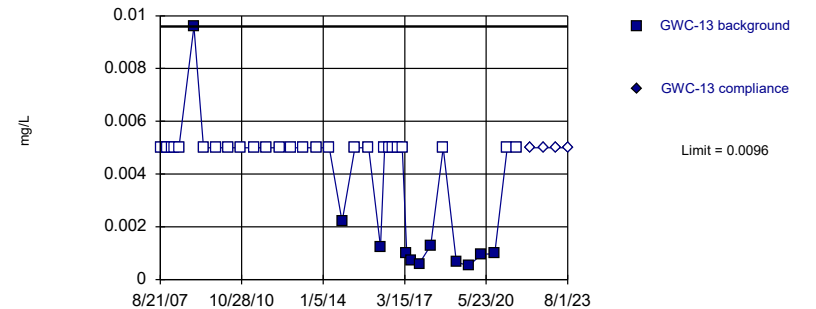


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 24.32% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:24 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

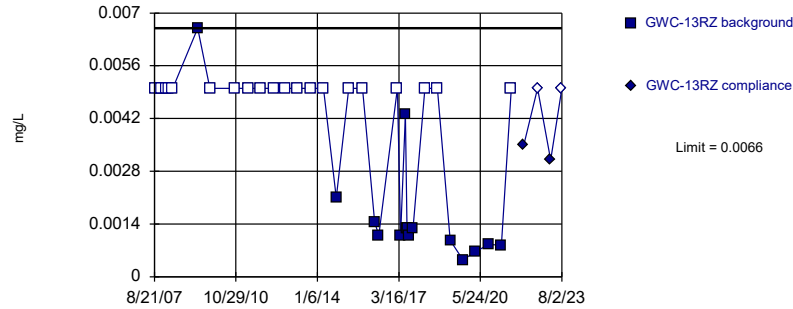


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

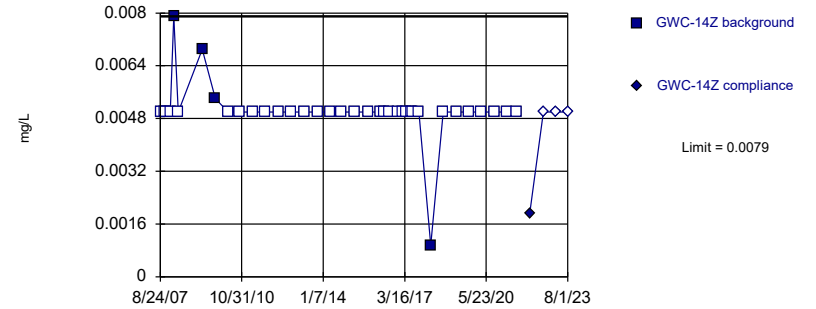


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

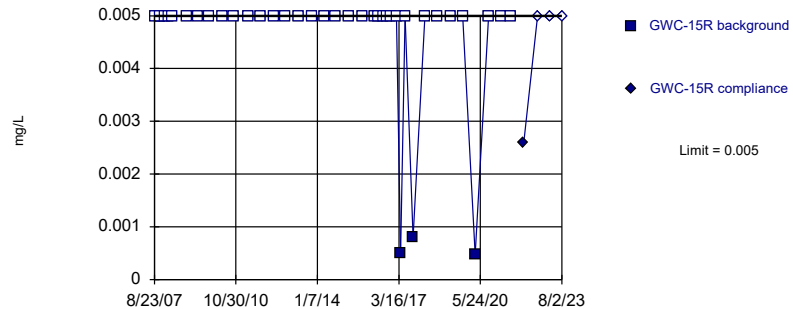


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 89.19% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

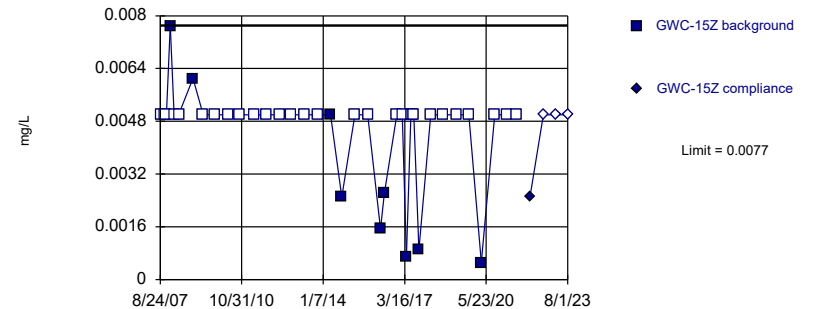


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

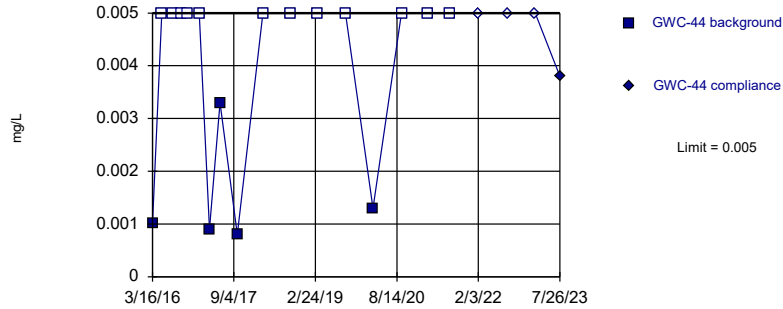


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

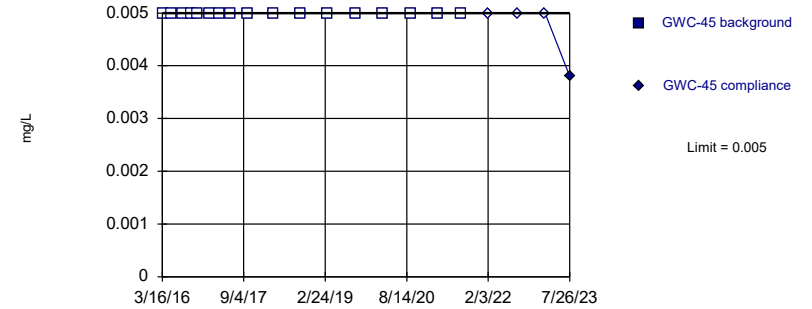


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

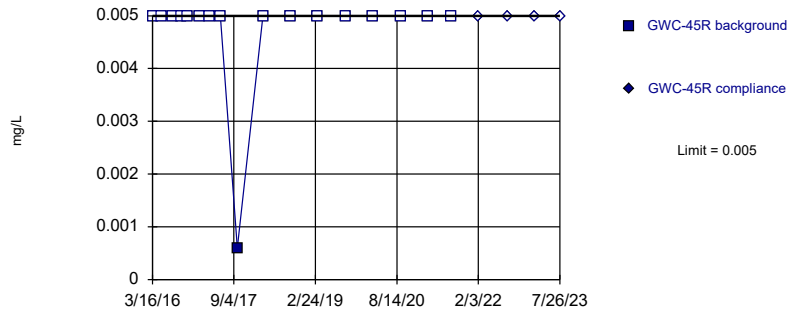


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

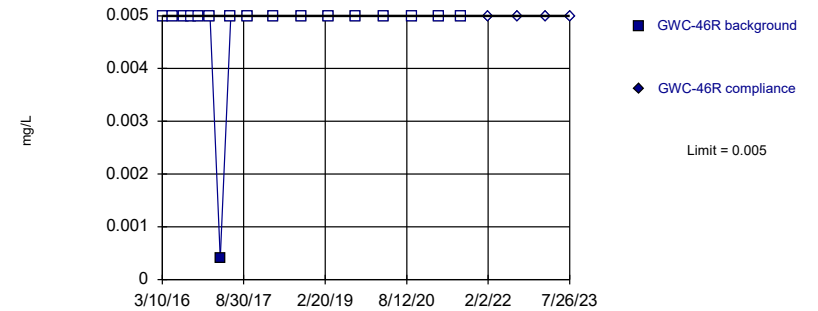


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

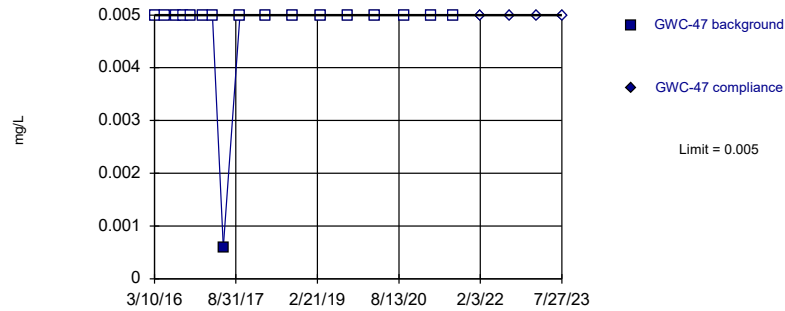


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

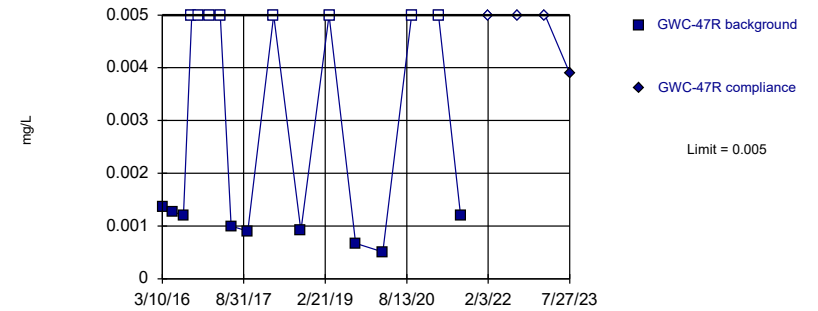


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

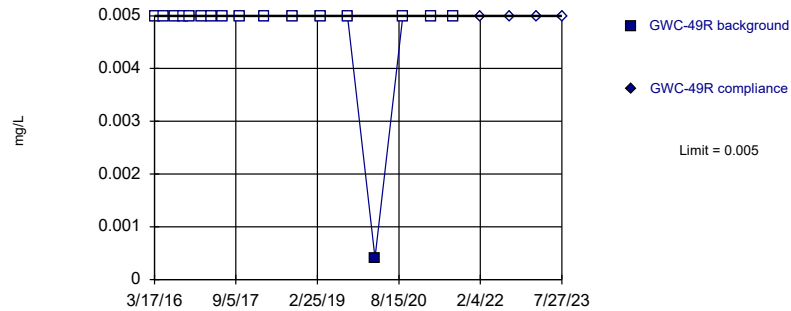


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

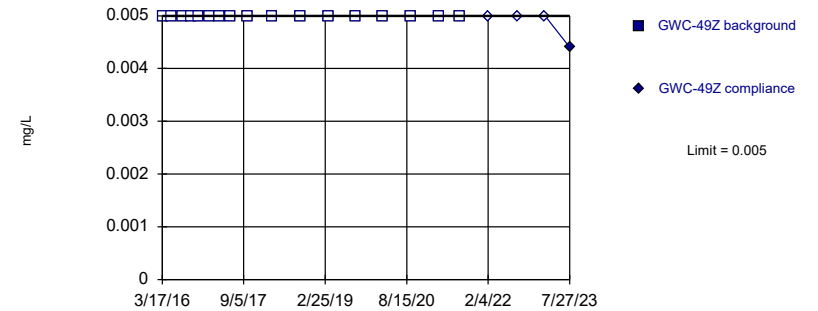


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

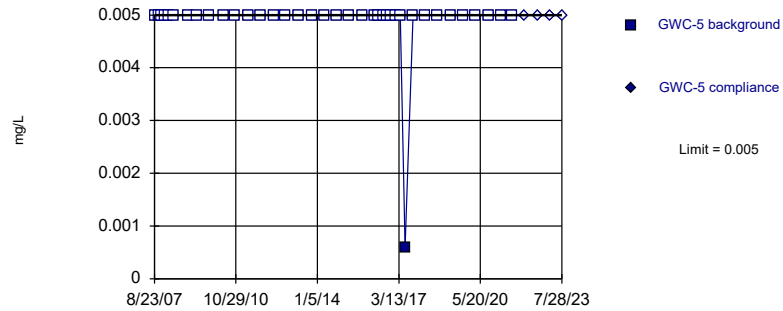


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

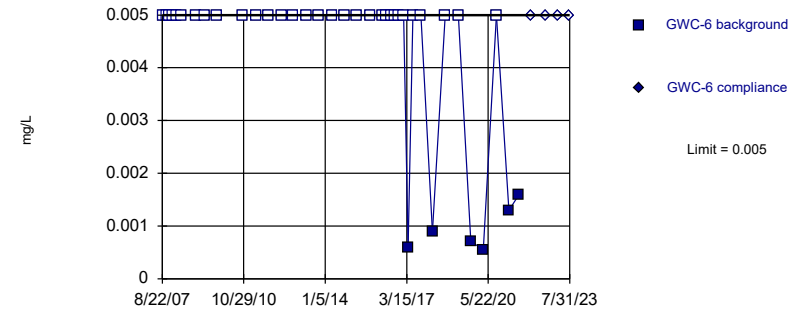


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

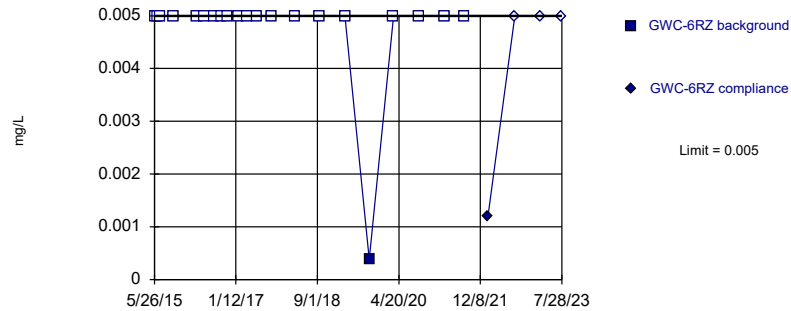


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

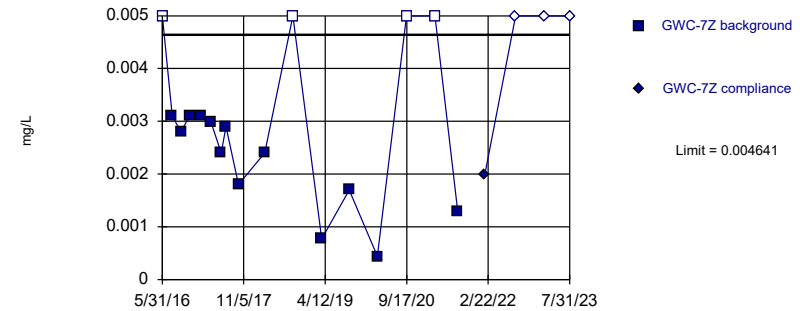


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

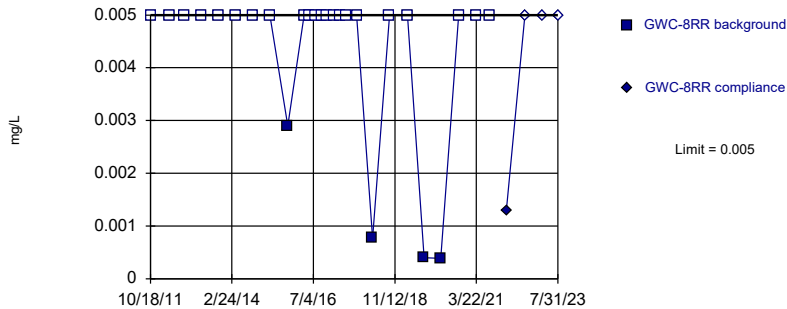


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001929, Std. Dev.=0.0009137, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

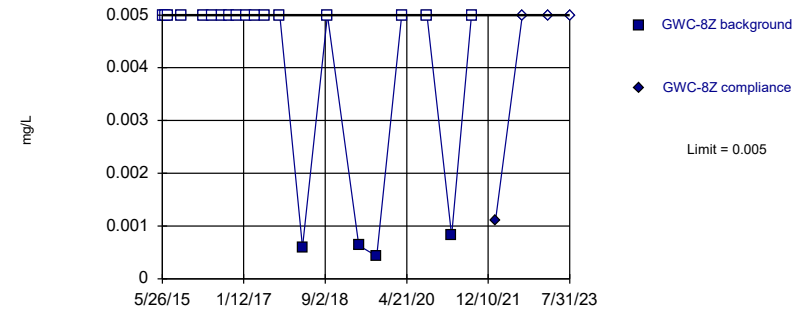


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

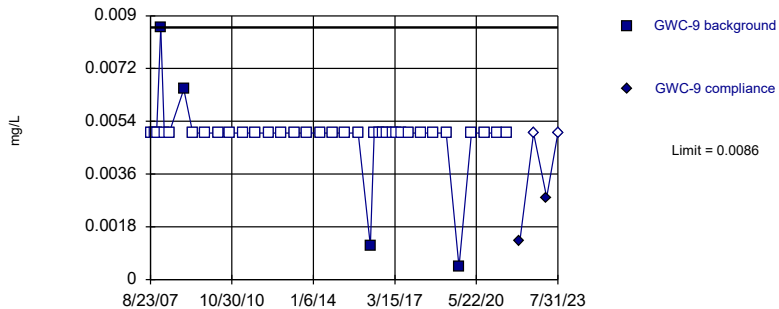


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

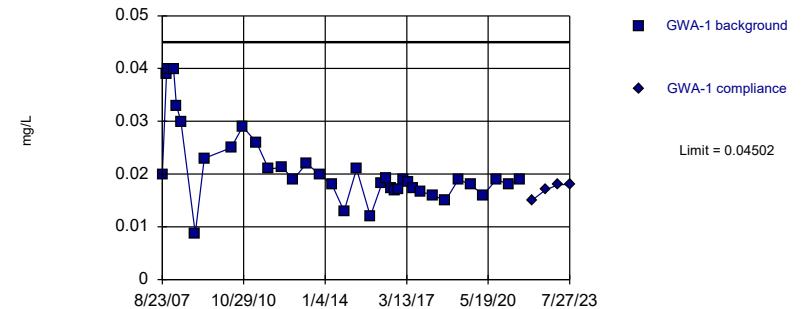


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

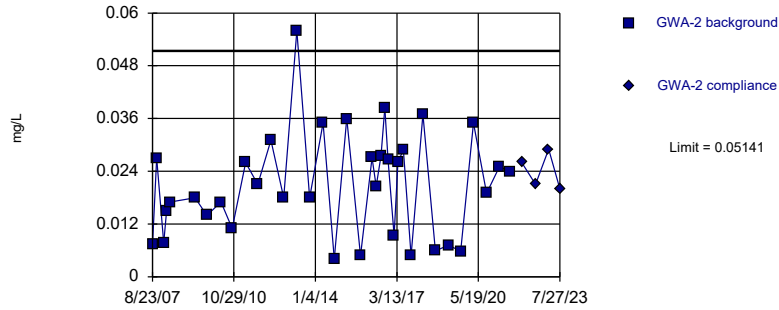


Background Data Summary (based on natural log transformation): Mean=-3.909, Std. Dev.=0.3174, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9284, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

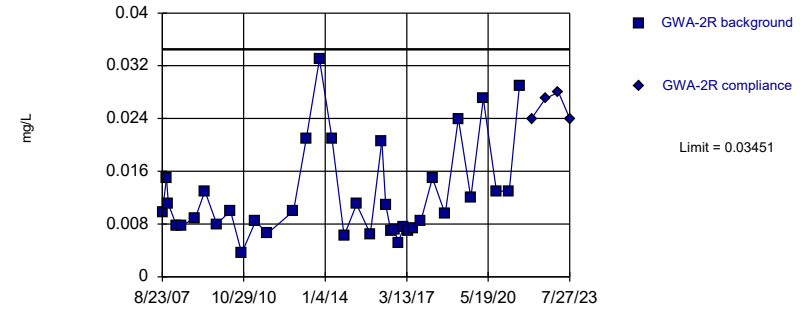


Background Data Summary: Mean=0.0209, Std. Dev.=0.01195, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

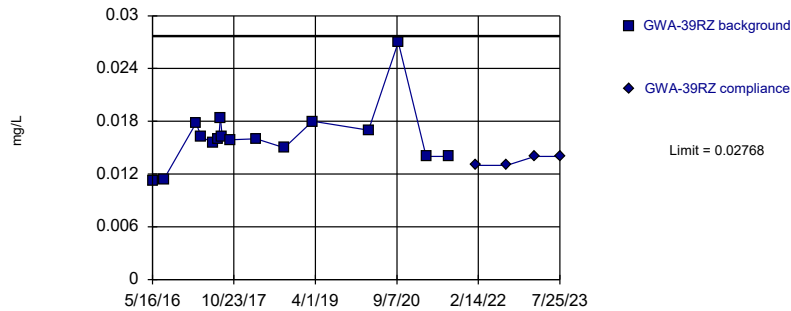


Background Data Summary (based on cube root transformation): Mean=0.2237, Std. Dev.=0.03988, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9207, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

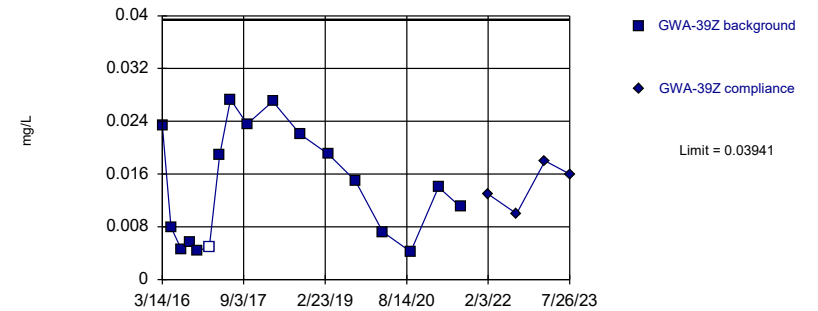


Background Data Summary (based on square root transformation): Mean=0.01268, Std. Dev.=0.01313, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

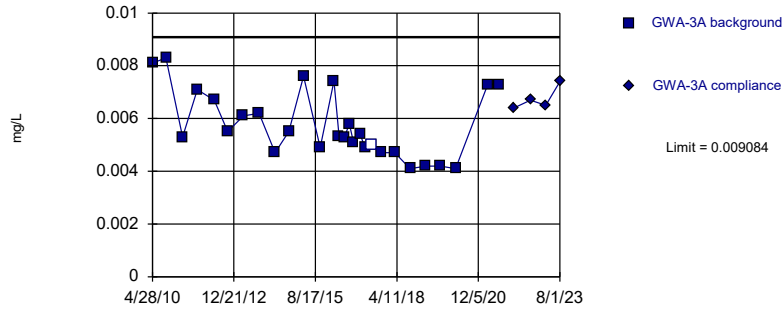


Background Data Summary: Mean=0.01411, Std. Dev.=0.008521, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8893, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

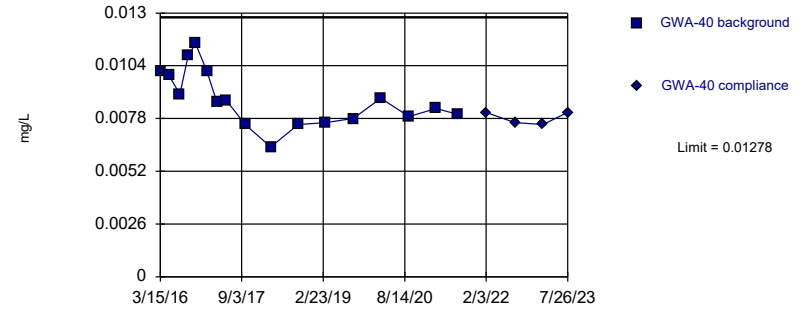


Background Data Summary: Mean=0.005744, Std. Dev.=0.001261, n=28, 3.571% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.896. Kappa = 2.649 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

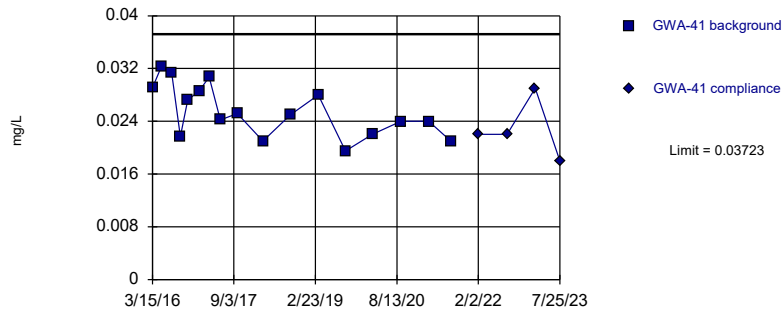


Background Data Summary: Mean=0.008742, Std. Dev.=0.001361, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

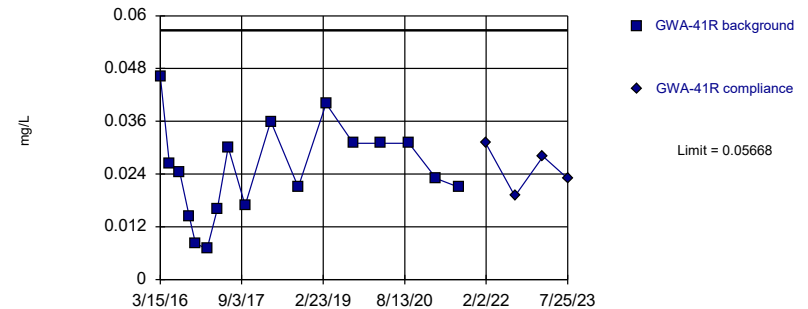


Background Data Summary: Mean=0.02557, Std. Dev.=0.003928, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9521, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

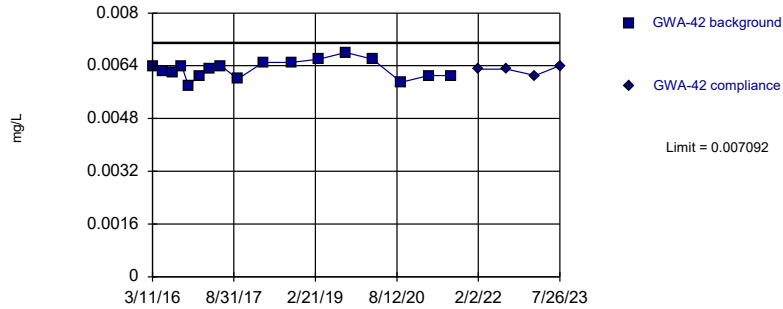


Background Data Summary: Mean=0.02492, Std. Dev.=0.0107, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9803, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

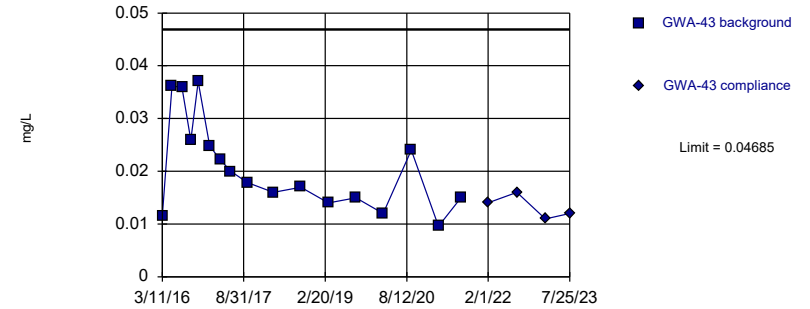


Background Data Summary: Mean=0.006289, Std. Dev.=0.0002707, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9814, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

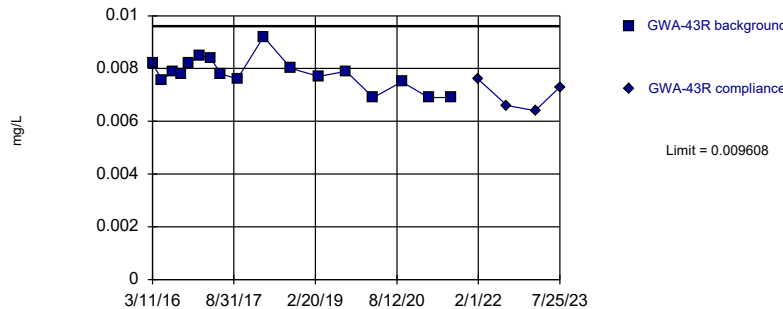


Background Data Summary: Mean=0.02083, Std. Dev.=0.008765, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8935, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

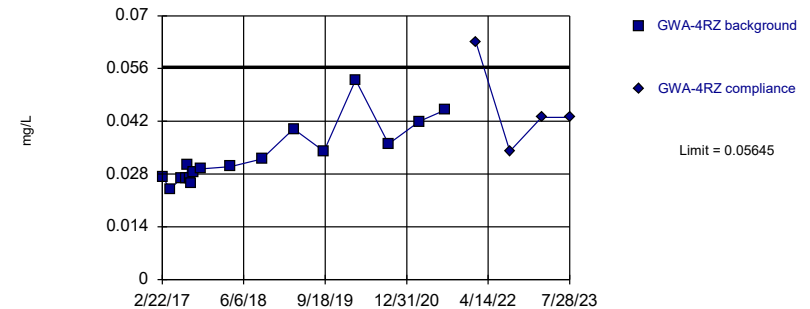


Background Data Summary: Mean=0.007821, Std. Dev.=0.0006022, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9477, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

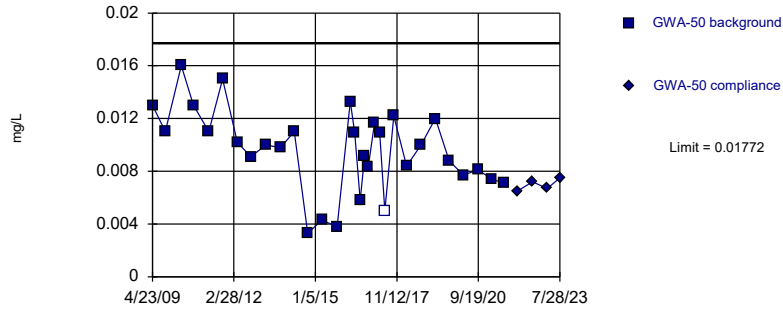


Background Data Summary: Mean=0.03282, Std. Dev.=0.00796, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8669, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

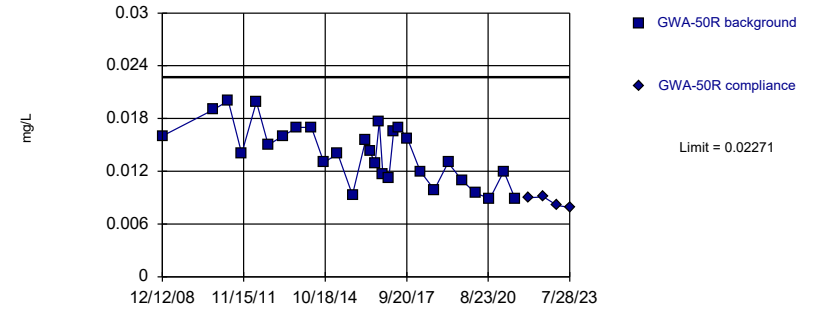


Background Data Summary: Mean=0.00959, Std. Dev.=0.00312, n=31, 3.226% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9775, critical = 0.902. Kappa = 2.606 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

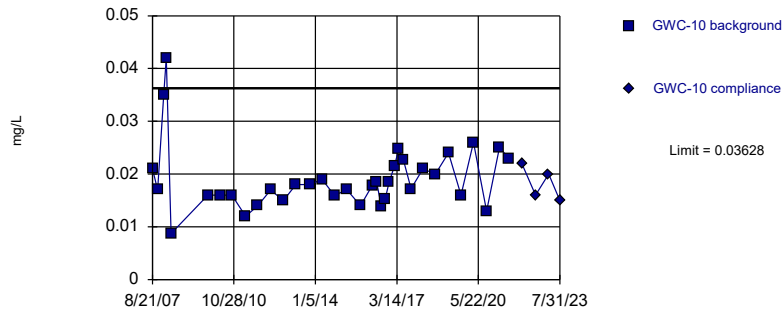


Background Data Summary: Mean=0.01407, Std. Dev.=0.00328, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

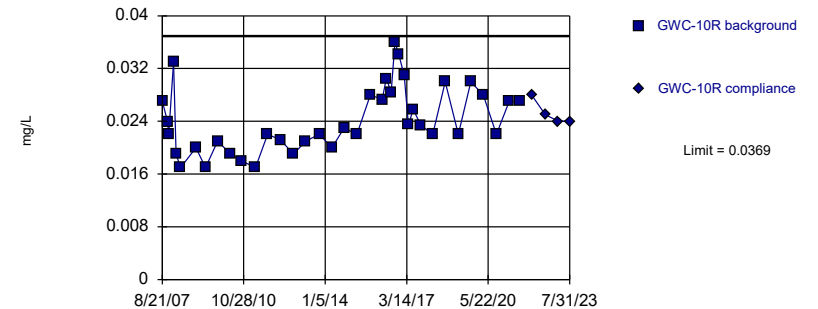


Background Data Summary (based on square root transformation): Mean=0.1368, Std. Dev.=0.02096, n=35. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.91. Kappa = 2.562 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

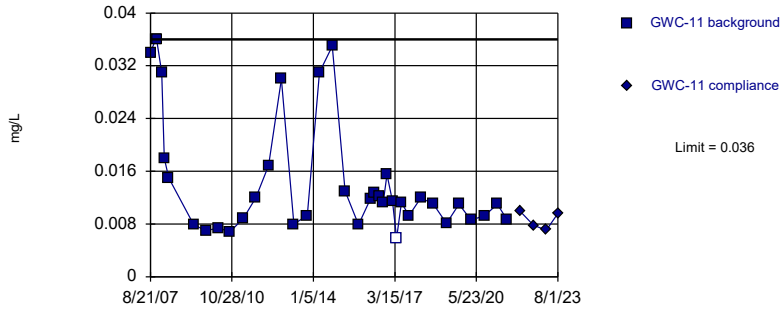


Background Data Summary: Mean=0.02421, Std. Dev.=0.005, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9413, critical = 0.916. Kappa = 2.538 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

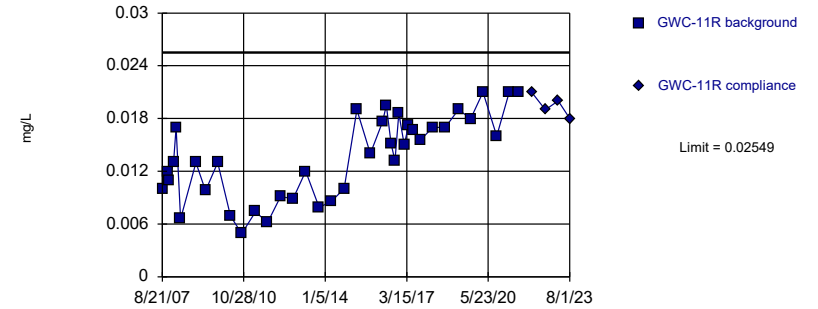


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 2.703% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

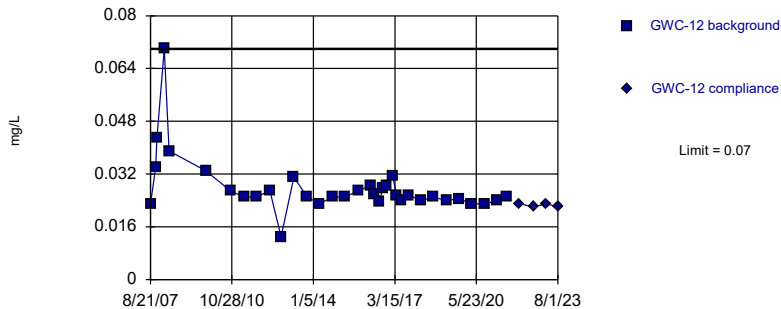


Background Data Summary: Mean=0.01365, Std. Dev.=0.004665, n=38. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9474, critical = 0.916. Kappa = 2.538 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

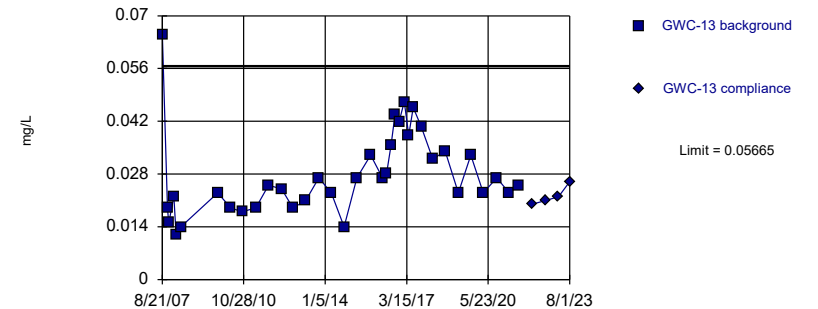


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 34 background values. Well-constituent pair annual alpha = 0.003195. Individual comparison alpha = 0.001599 (1 of 2).

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

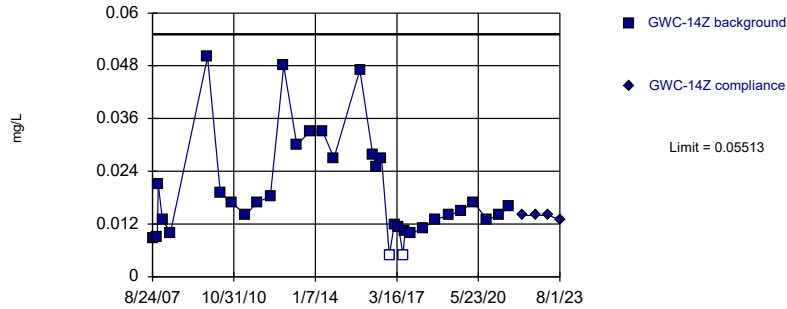


Background Data Summary: Mean=0.02799, Std. Dev.=0.01122, n=36. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9139, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

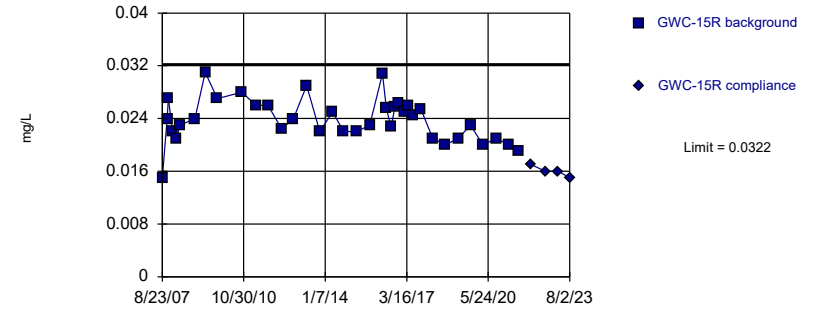


Background Data Summary (based on square root transformation): Mean=0.134, Std. Dev.=0.03917, n=34, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9272, critical = 0.908. Kappa = 2.573 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

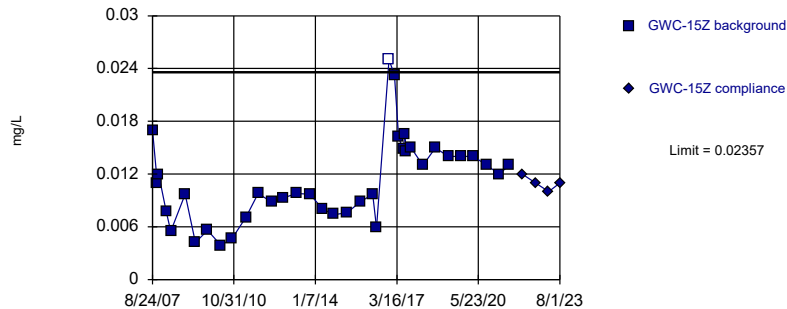


Background Data Summary: Mean=0.02379, Std. Dev.=0.003303, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9802, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

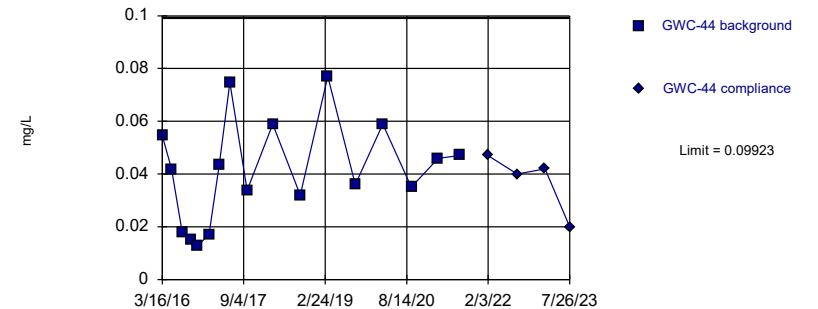


Background Data Summary: Mean=0.01126, Std. Dev.=0.004835, n=37, 2.703% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9401, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

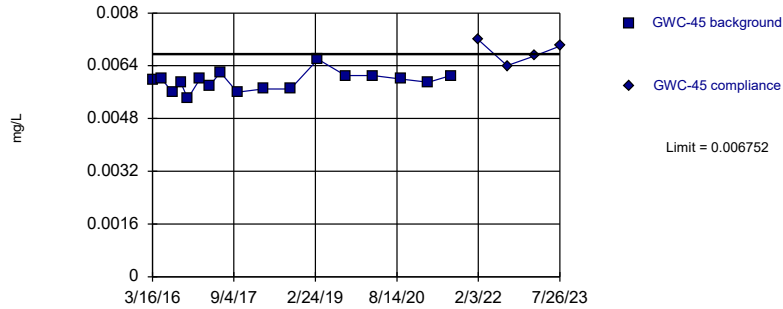


Background Data Summary: Mean=0.04132, Std. Dev.=0.01951, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9528, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

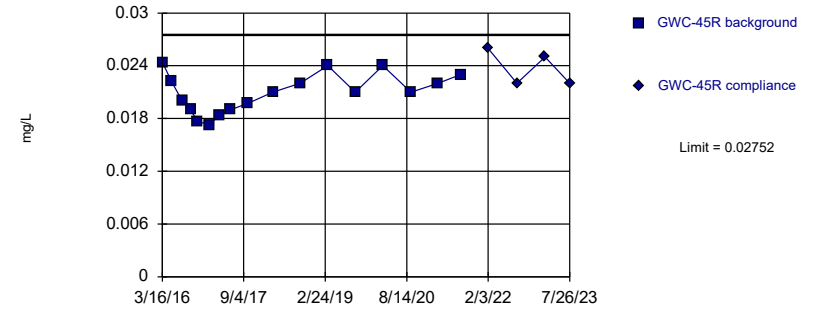


Background Data Summary: Mean=0.005923, Std. Dev.=0.0002794, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9564, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

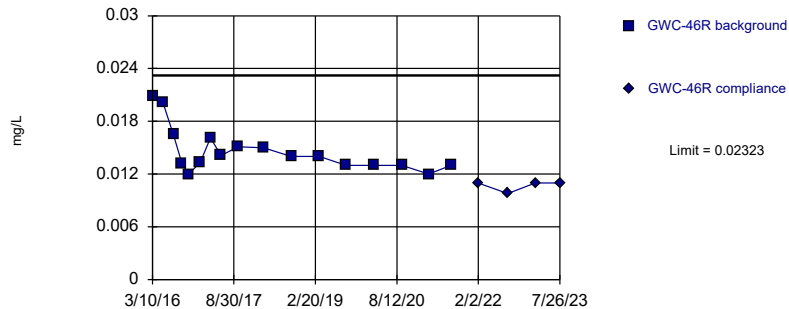


Background Data Summary: Mean=0.02092, Std. Dev.=0.002221, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9578, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

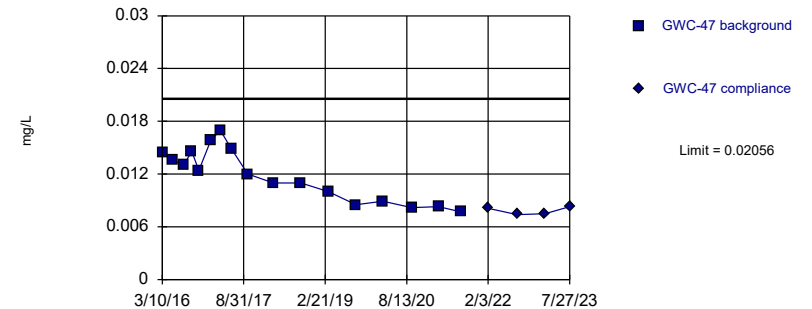


Background Data Summary (based on natural log transformation): Mean=-4.239, Std. Dev.=0.1605, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8569, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

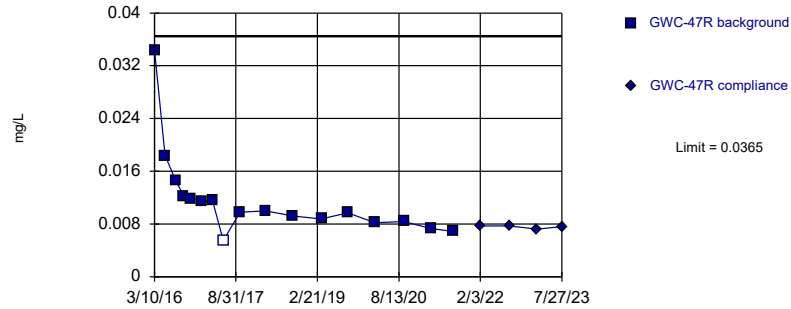


Background Data Summary: Mean=0.01184, Std. Dev.=0.002938, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9457, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

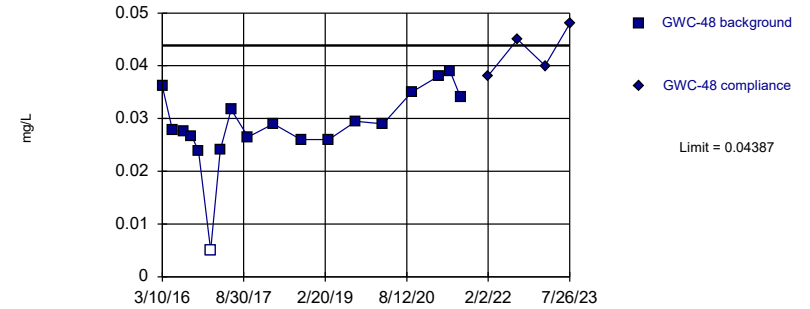


Background Data Summary (based on natural log transformation): Mean=-4.549, Std. Dev.=0.4172, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9046, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

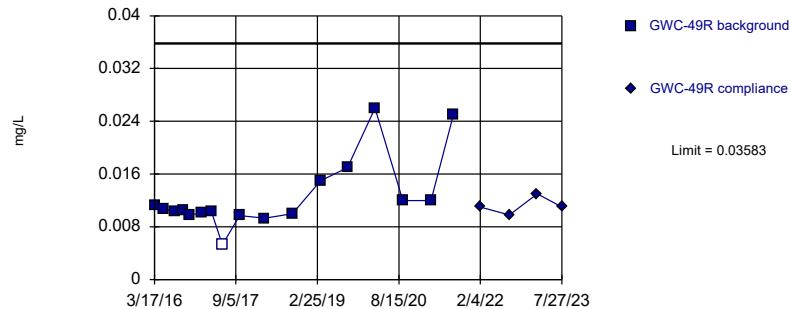


Background Data Summary (based on square transformation): Mean=0.0008705, Std. Dev.=0.0003606, n=18, 5.556% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9419, critical = 0.858. Kappa = 2.923 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

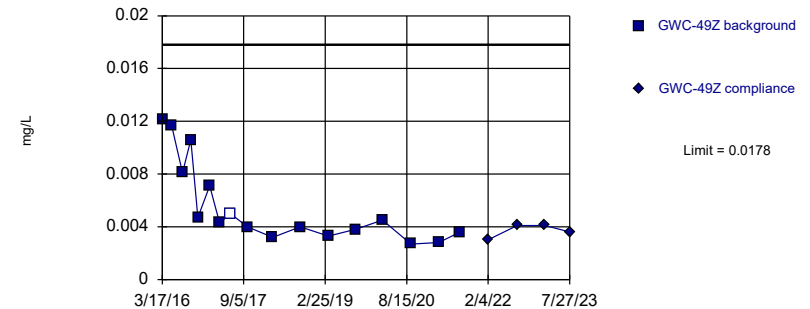


Background Data Summary (based on natural log transformation): Mean=-4.444, Std. Dev.=0.3757, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8614, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

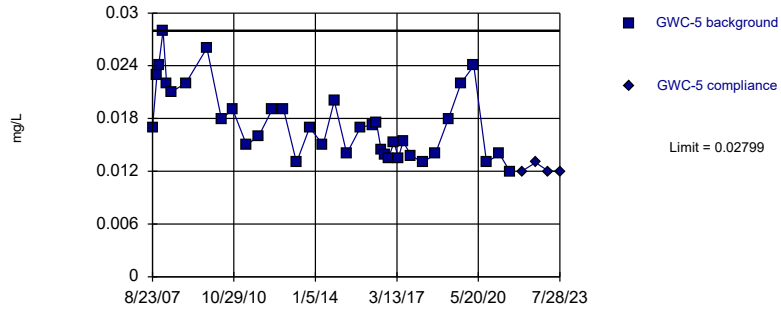


Background Data Summary (based on cube root transformation): Mean=0.1729, Std. Dev.=0.02972, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

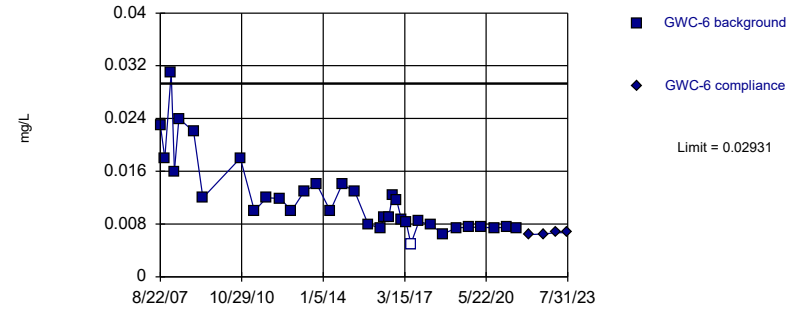


Background Data Summary: Mean=0.01756, Std. Dev.=0.004096, n=37. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

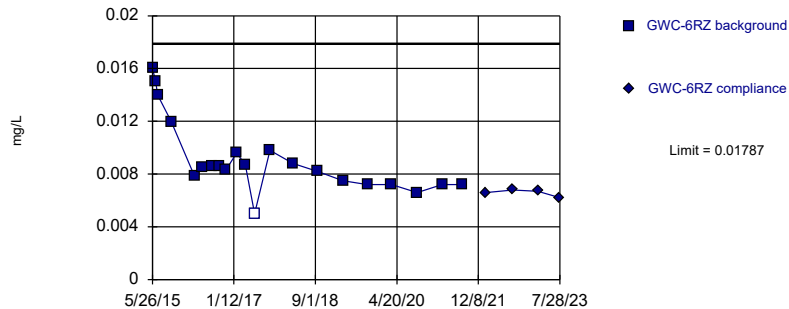


Background Data Summary (based on cube root transformation): Mean=0.2239, Std. Dev.=0.03294, n=35, 2.857% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9142, critical = 0.91. Kappa = 2.562 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

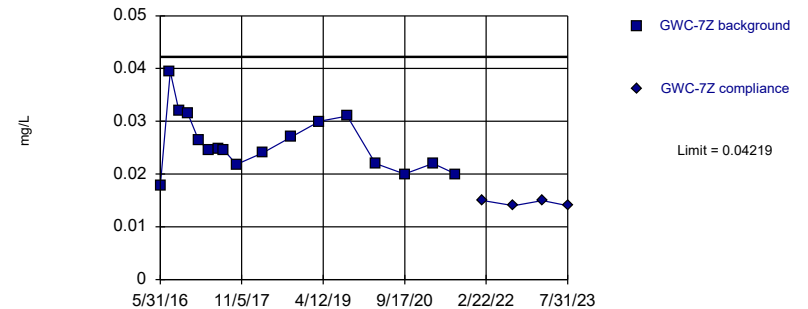


Background Data Summary (based on square root transformation): Mean=0.0946, Std. Dev.=0.01394, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8812, critical = 0.873. Kappa = 2.805 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

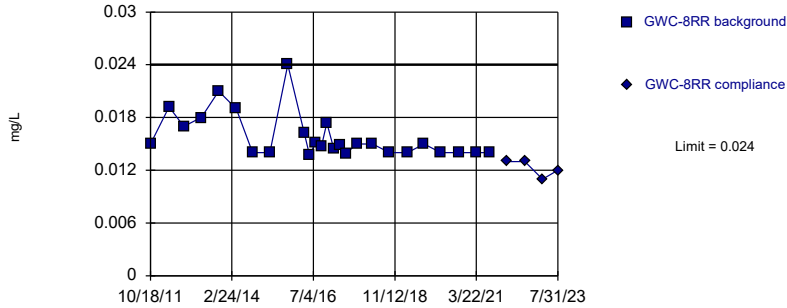


Background Data Summary: Mean=0.02581, Std. Dev.=0.00552, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:25 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

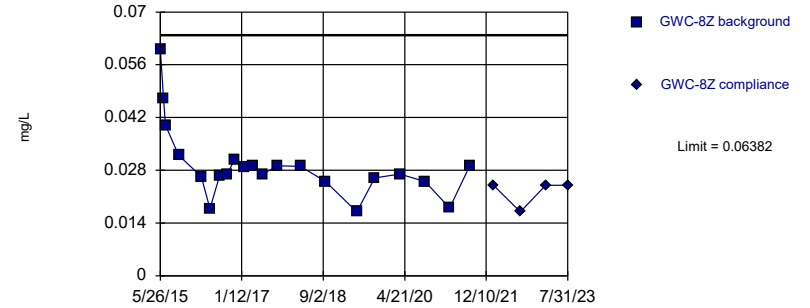


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

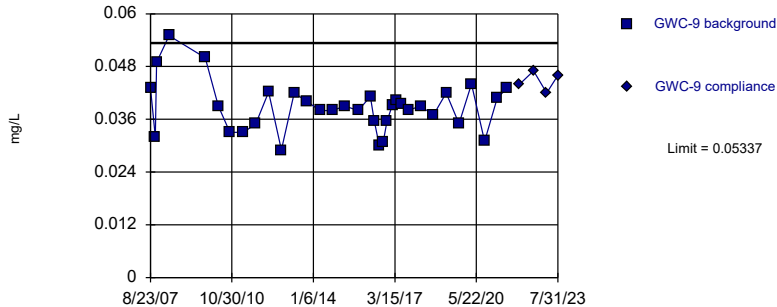


Background Data Summary (based on natural log transformation): Mean=-3.57, Std. Dev.=0.2917, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8889, critical = 0.873. Kappa = 2.805 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

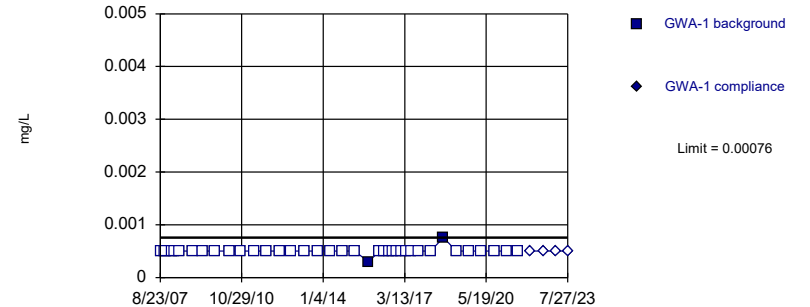


Background Data Summary: Mean=0.03874, Std. Dev.=0.005686, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9541, critical = 0.908. Kappa = 2.573 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Barium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

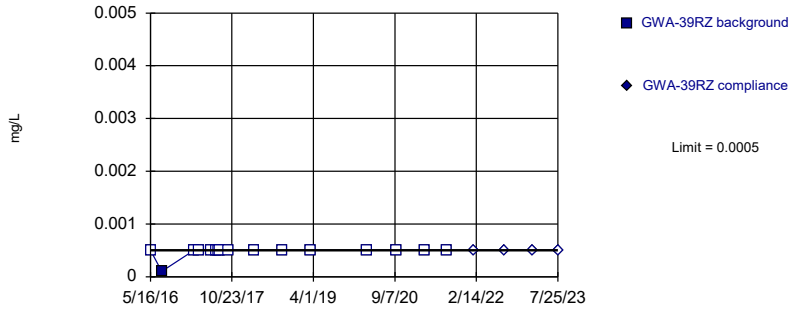


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

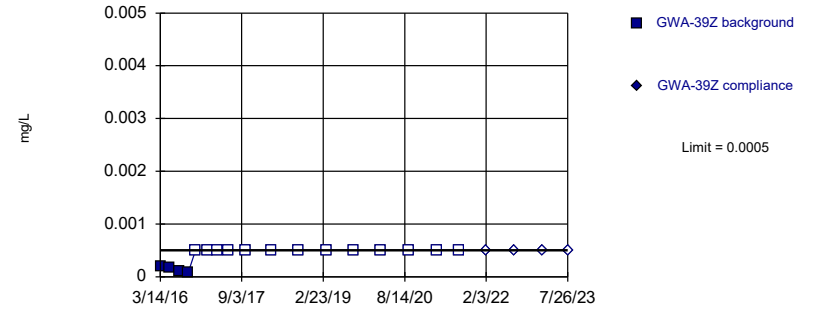


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

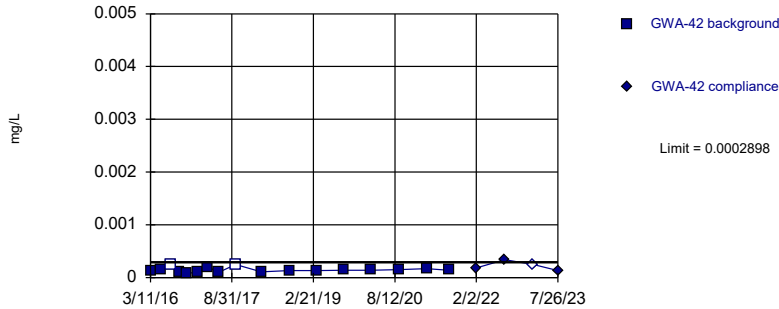


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

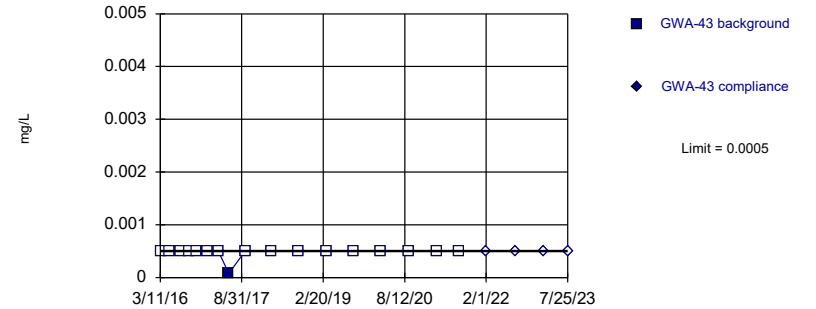


Background Data Summary: Mean=0.0001445, Std. Dev.=0.00004896, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8706, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

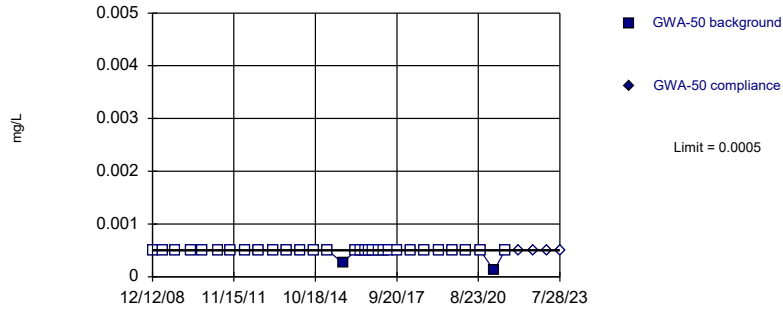


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

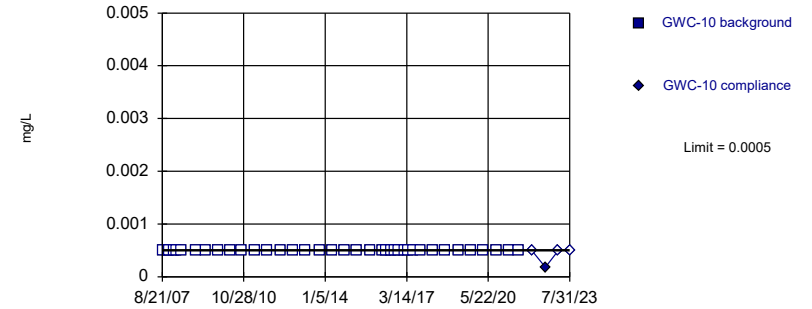


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

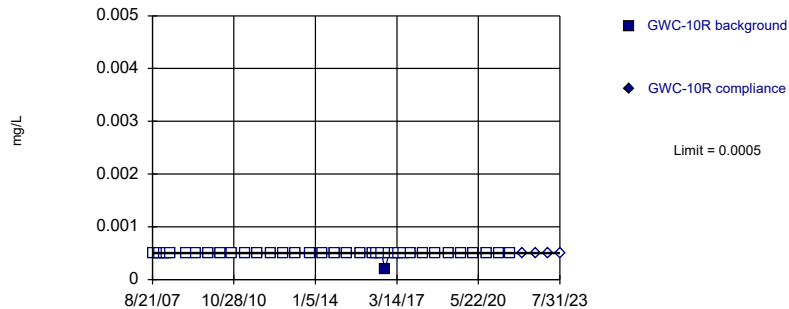


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 38) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

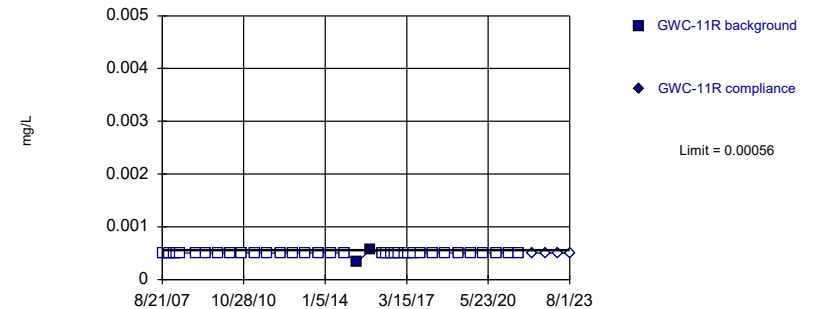


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

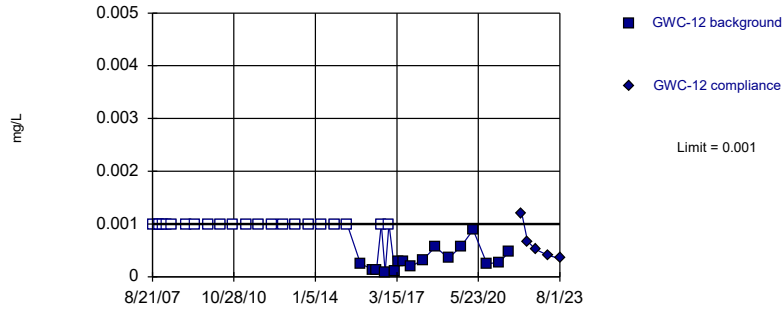


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

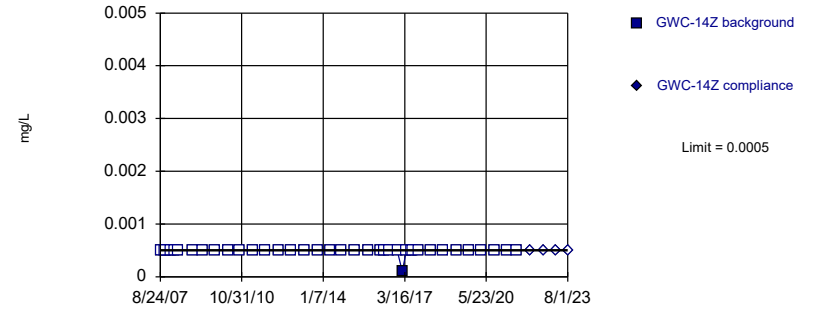


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

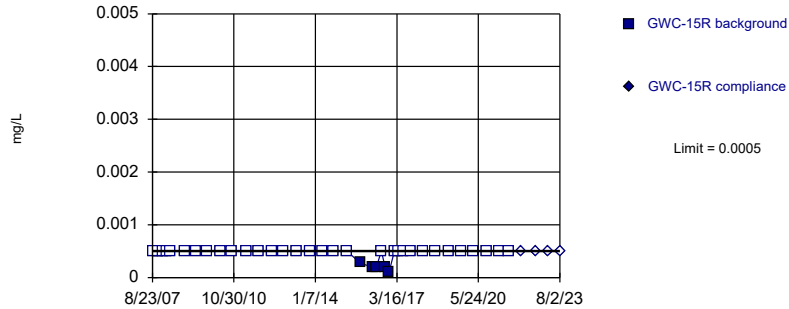


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

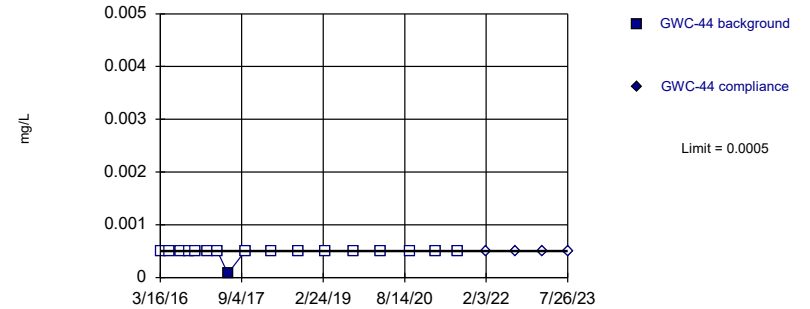


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

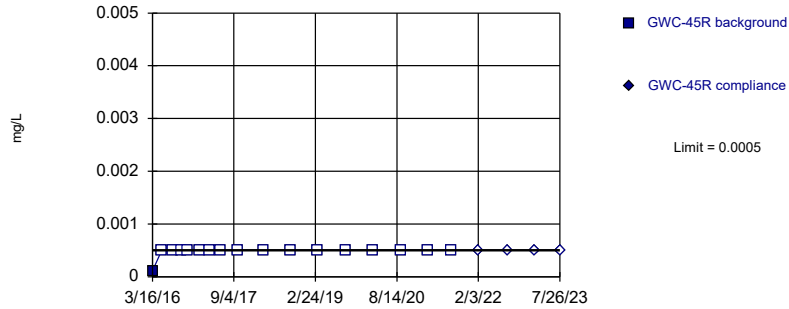


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

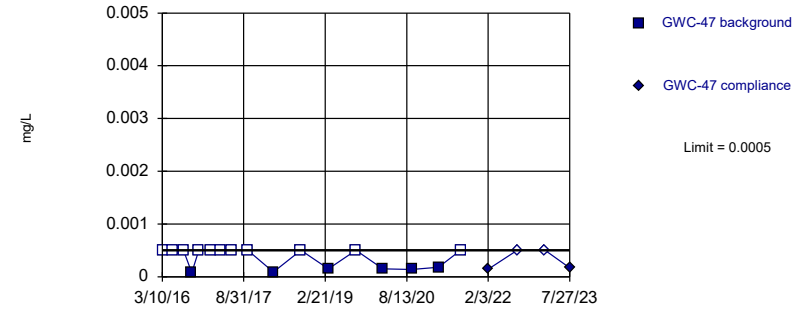


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

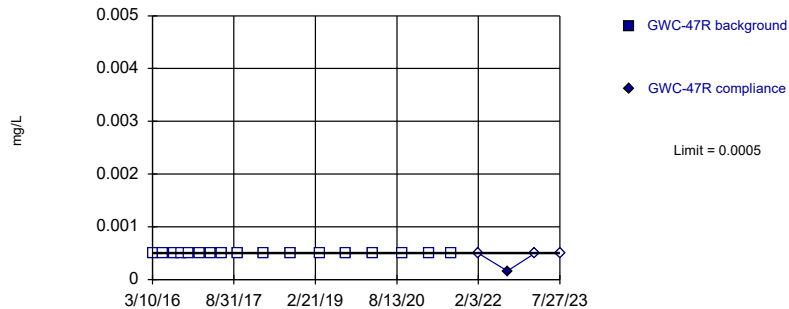


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

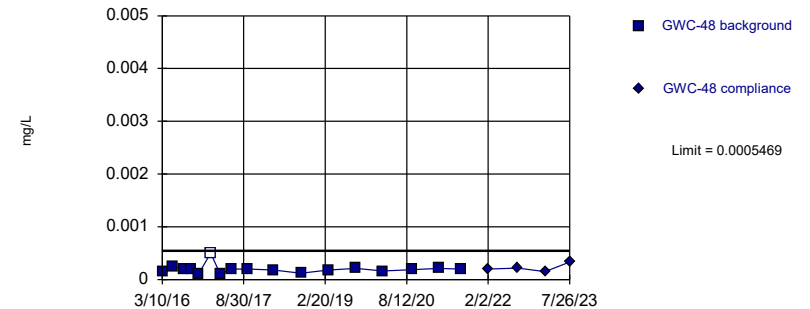


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

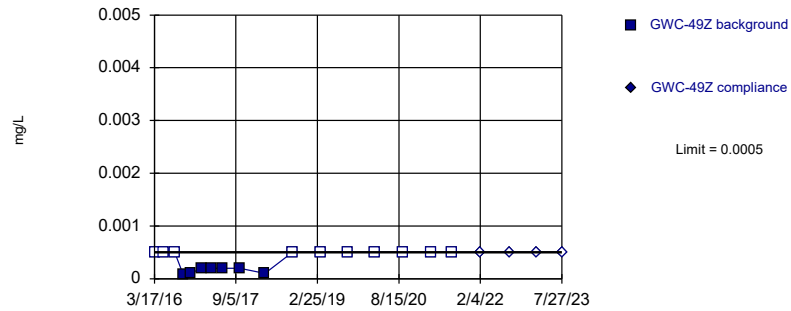


Background Data Summary (based on natural log transformation): Mean=-8.602, Std. Dev.=0.3675, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8657, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

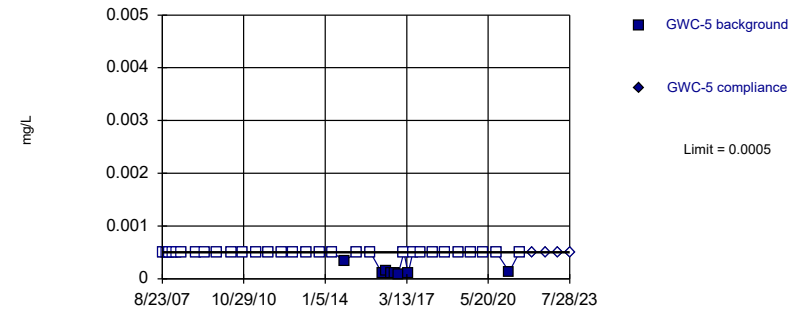


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

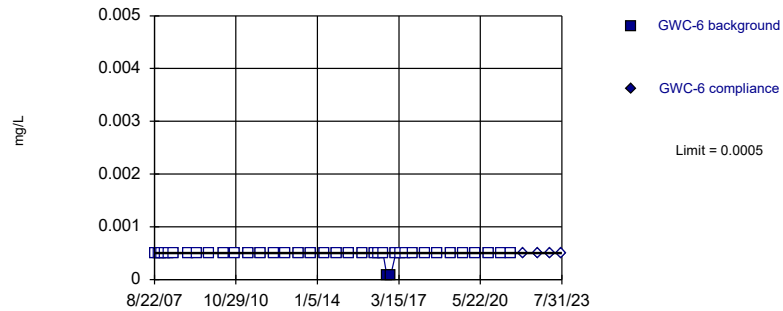


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

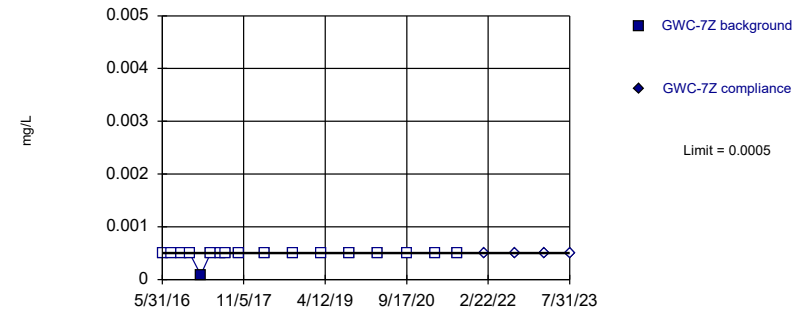


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

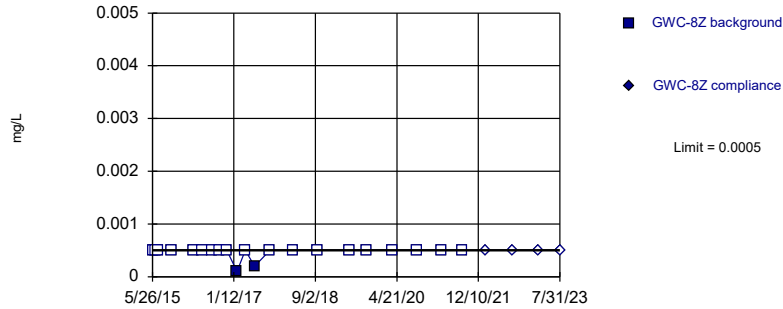


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

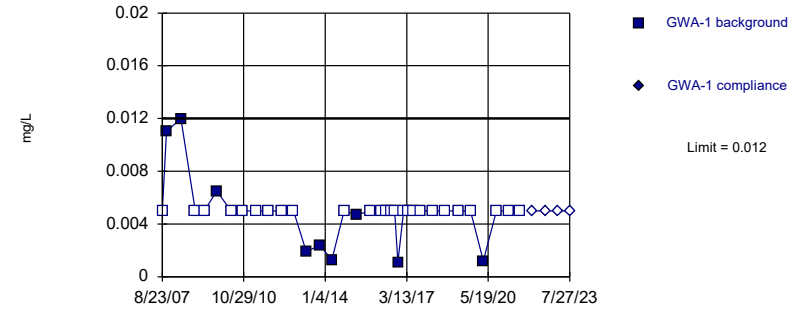


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

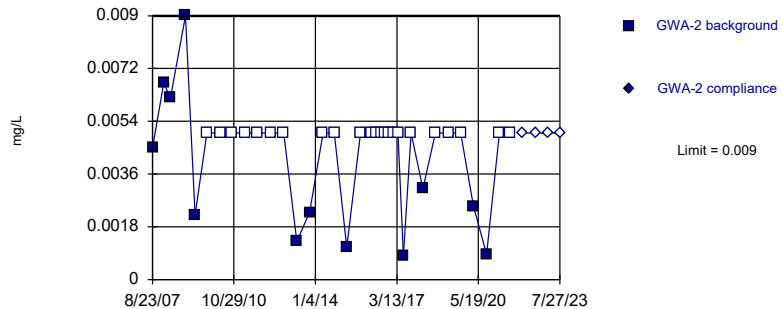


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 74.29% NDs. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

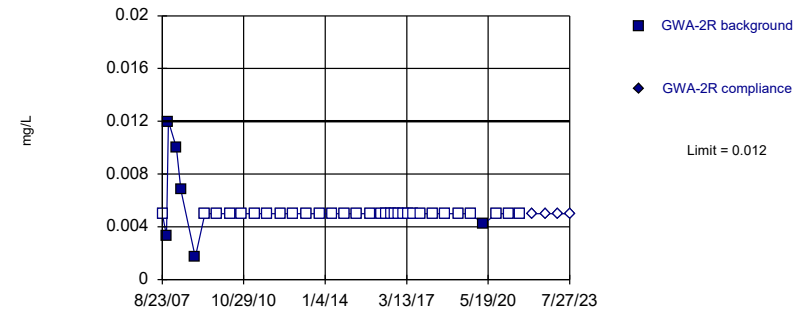


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 35 background values. 65.71% NDs. Well-constituent pair annual alpha = 0.002991. Individual comparison alpha = 0.001497 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

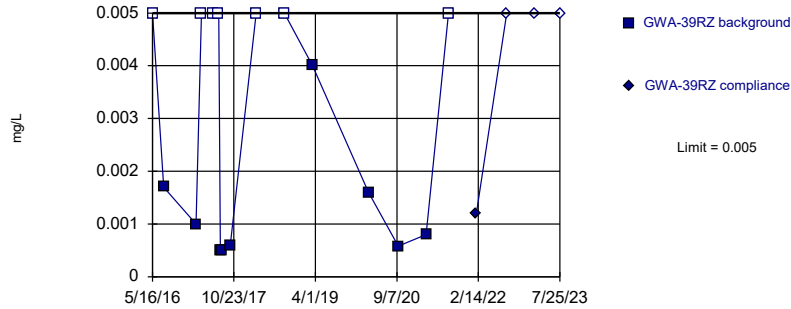


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 83.78% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

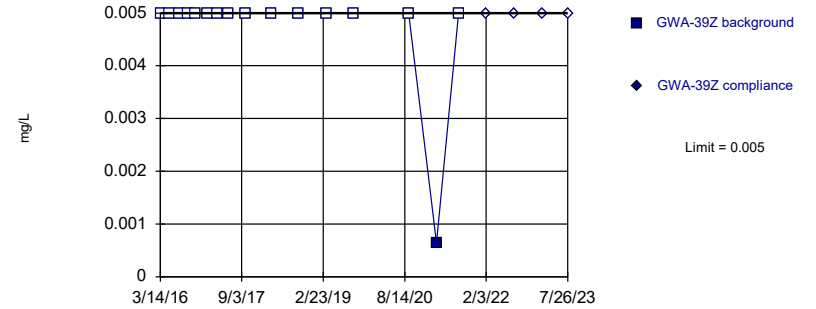


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

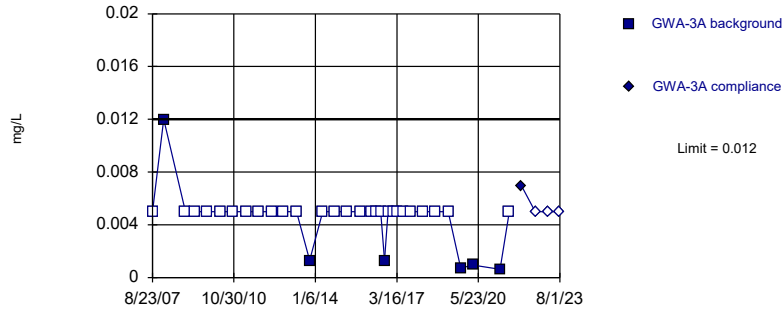


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

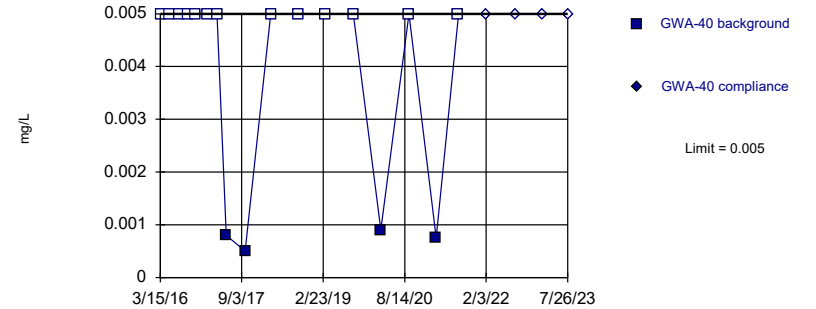


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

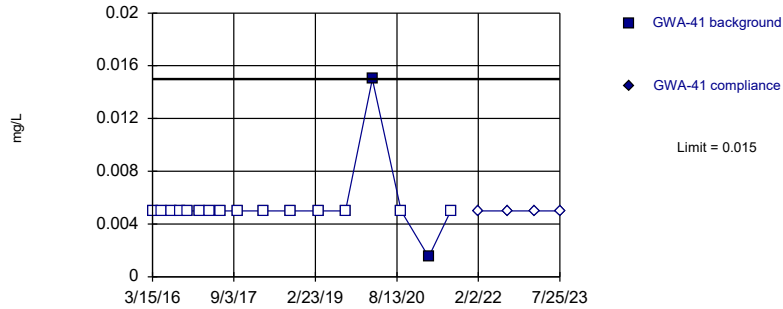


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

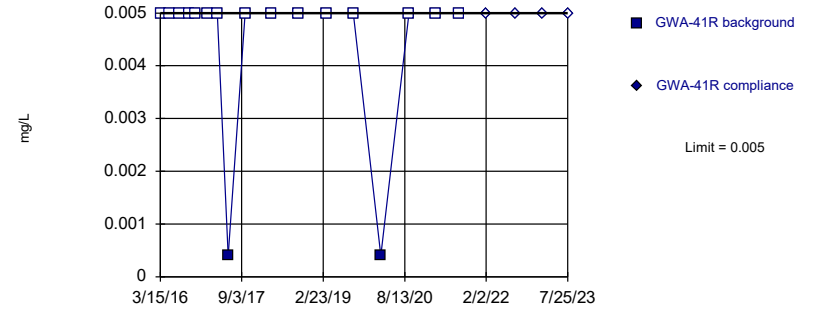


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

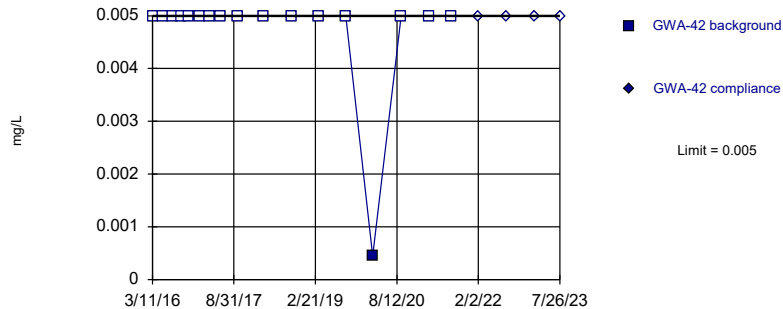


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

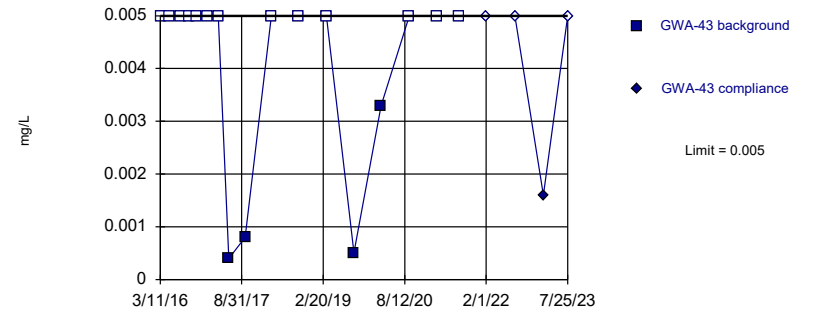


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

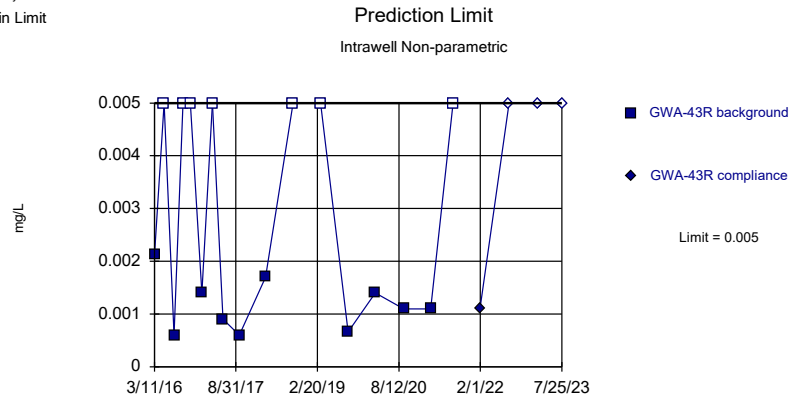
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

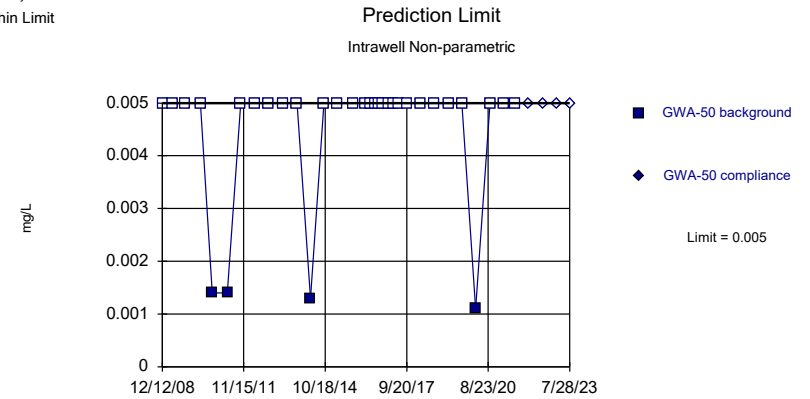
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

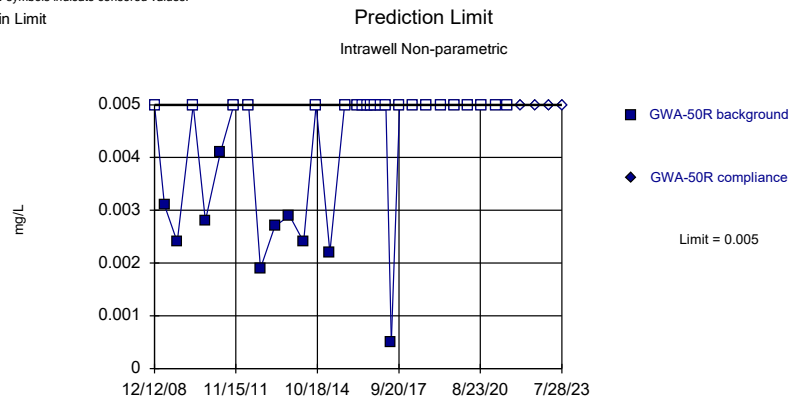
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

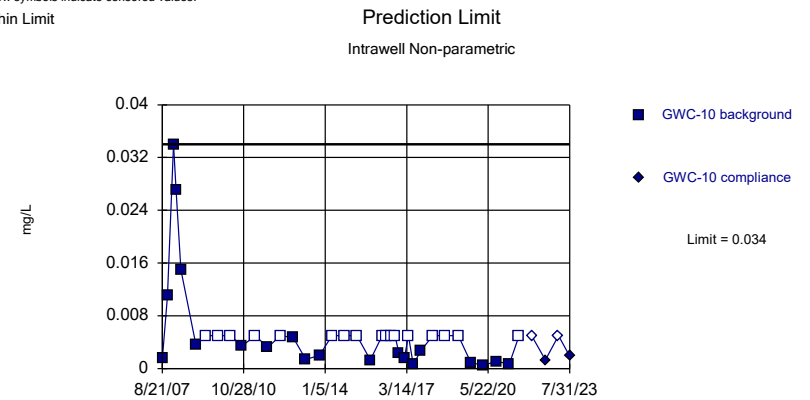
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

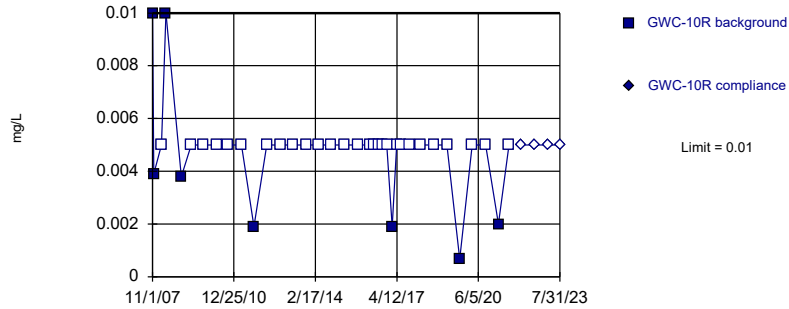


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 45.95% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

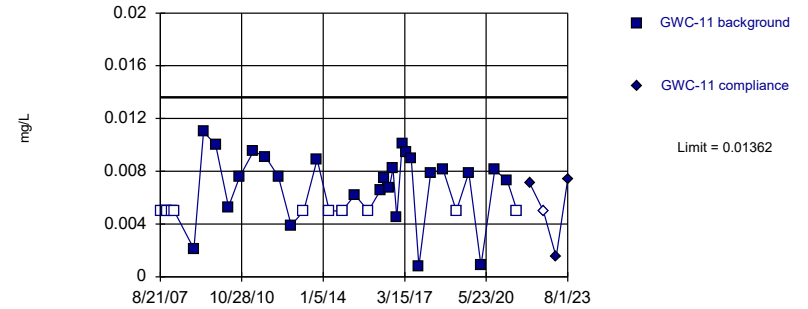


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

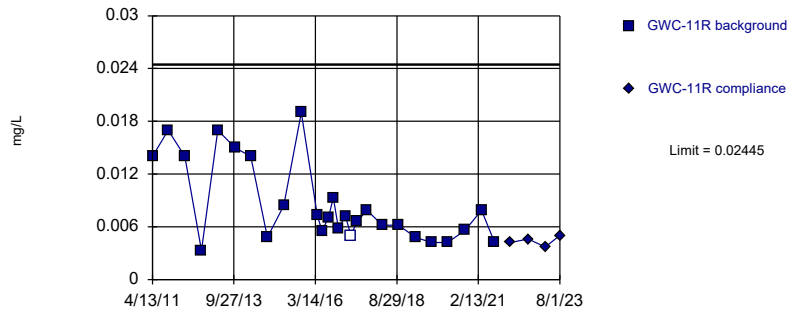


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005363, Std. Dev.=0.003241, n=37, 29.73% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9418, critical = 0.914. Kappa = 2.546 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

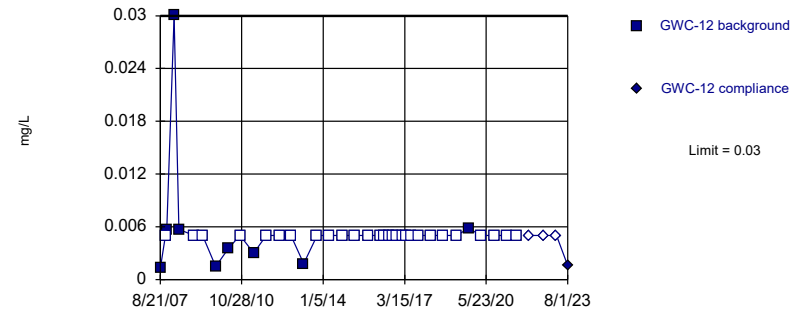


Background Data Summary (based on cube root transformation): Mean=0.199, Std. Dev.=0.03424, n=27, 3.704% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

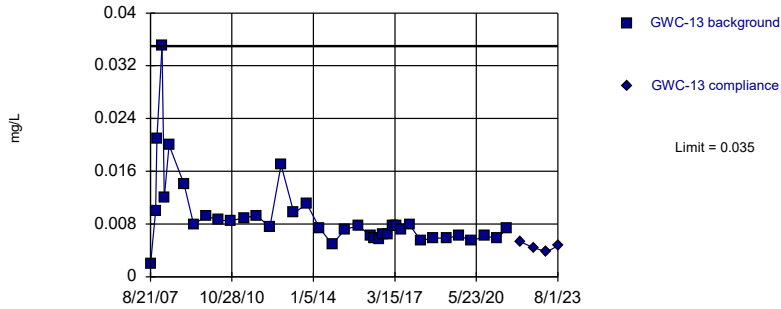


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

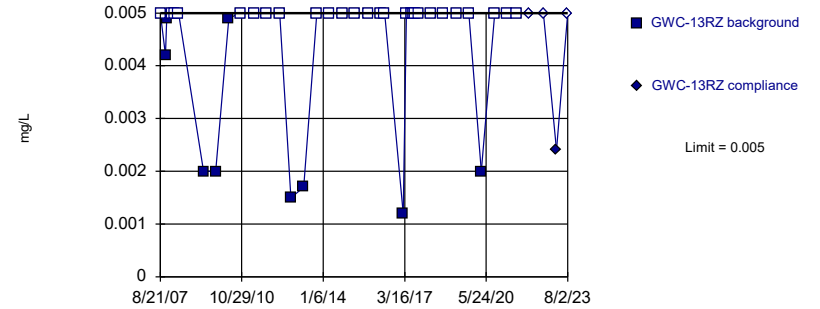


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 38 background values. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

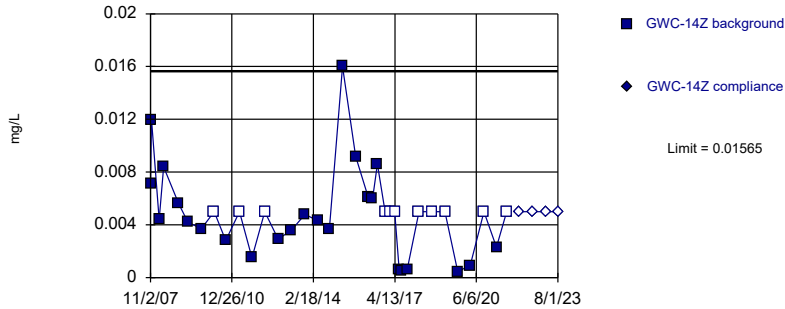


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 75.68% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

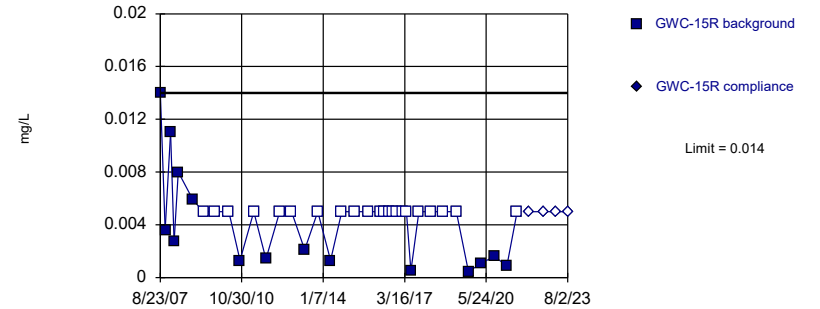


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05769, Std. Dev.=0.0264, n=36, 30.56% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9246, critical = 0.912. Kappa = 2.554 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

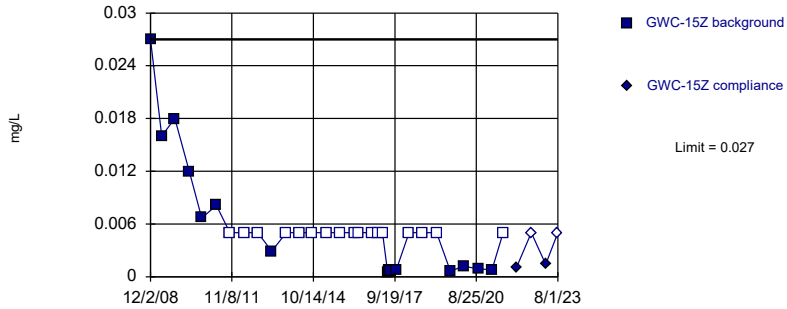


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 59.46% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

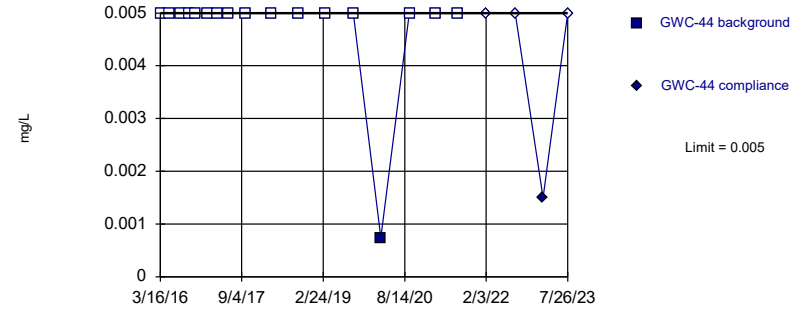


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 53.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

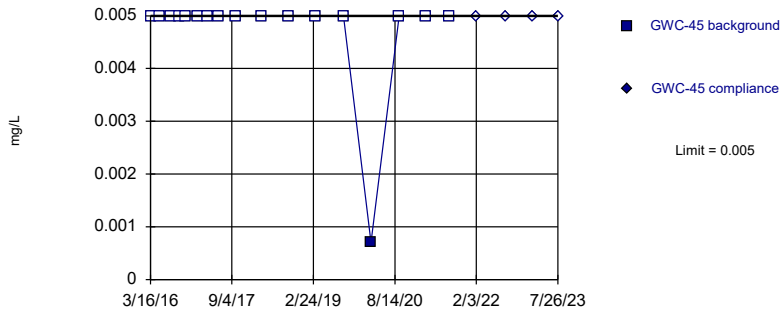


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

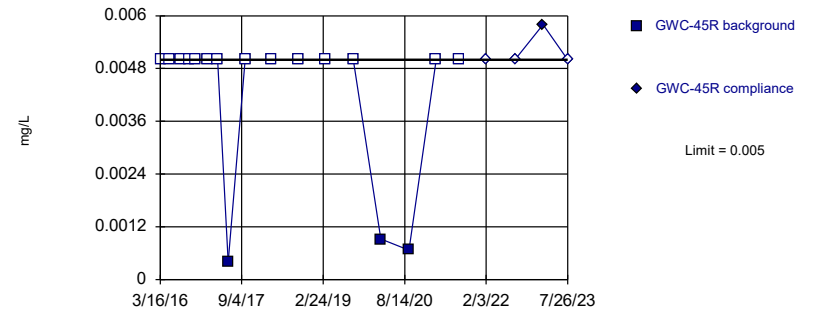


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

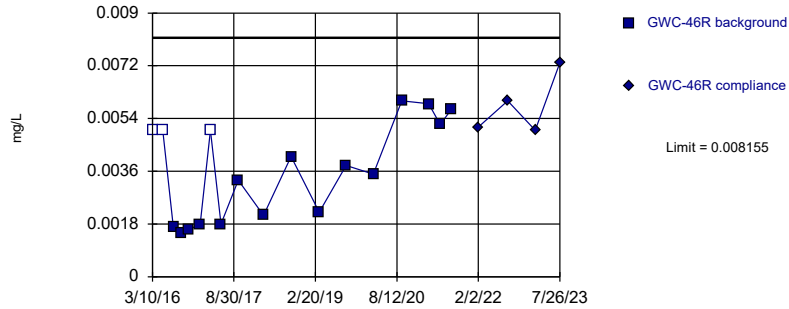


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

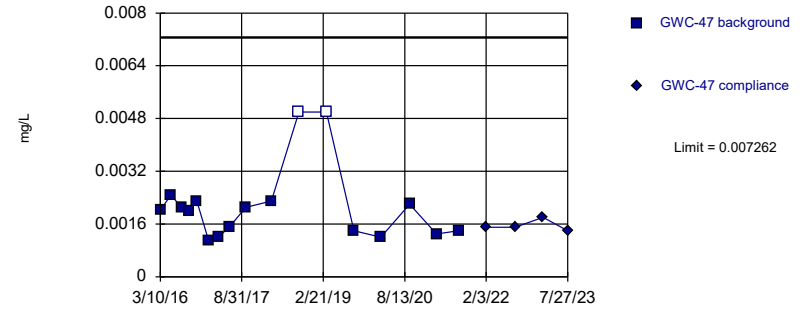


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003333, Std. Dev.=0.00165, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8831, critical = 0.858. Kappa = 2.923 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

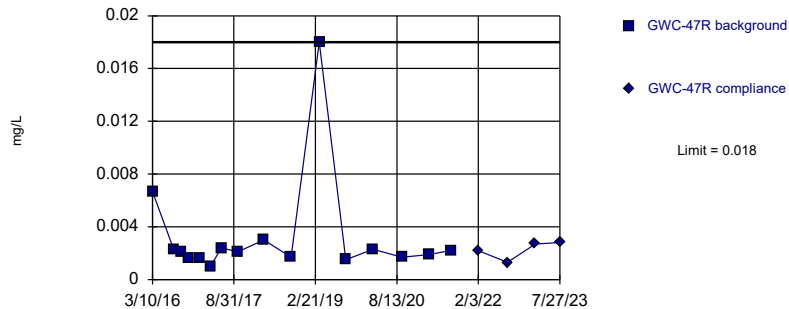


Background Data Summary (based on natural log transformation): Mean=-6.245, Std. Dev.=0.4447, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8803, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

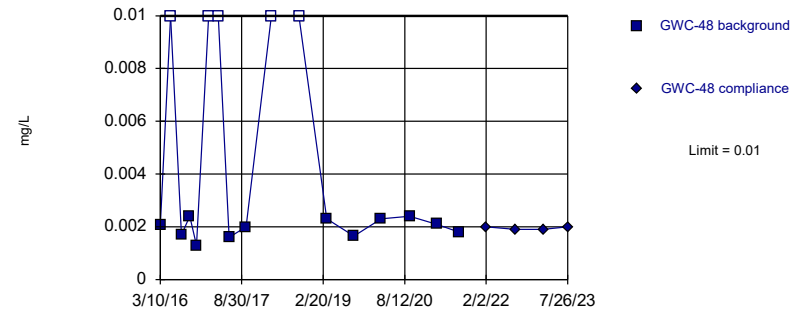


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

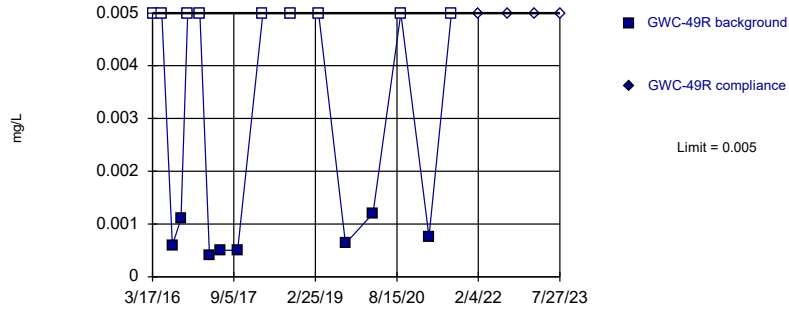


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 29.41% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

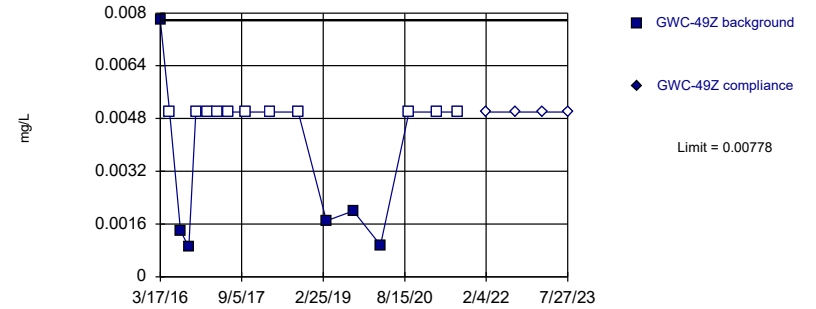


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:26 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

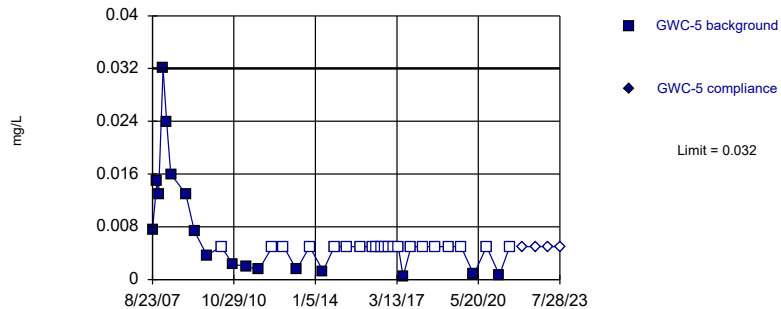


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

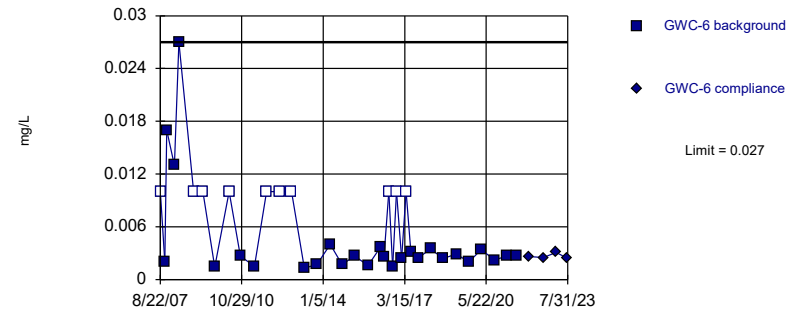


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 55.26% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

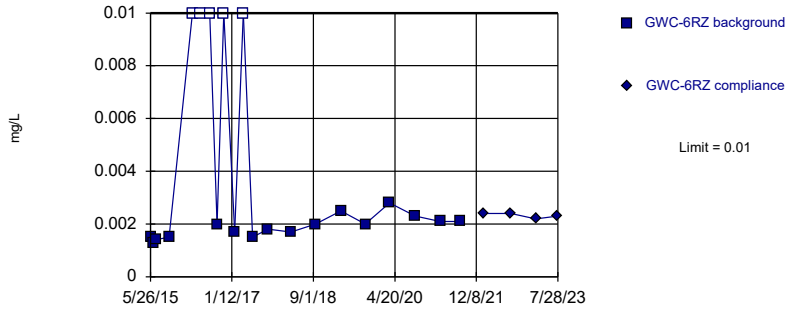


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 27.03% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

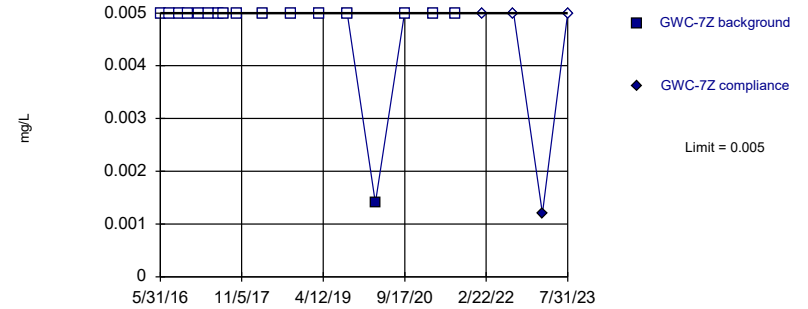


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

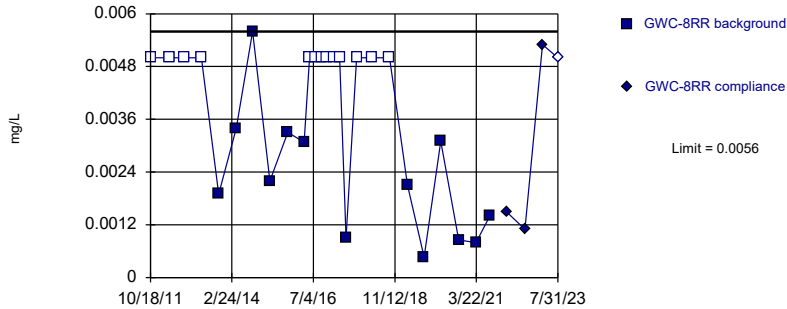


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

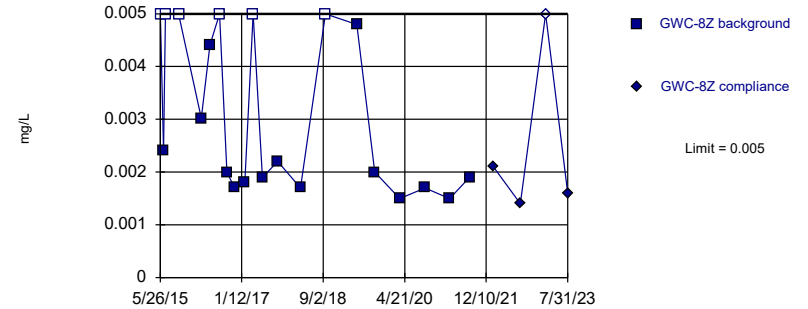


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

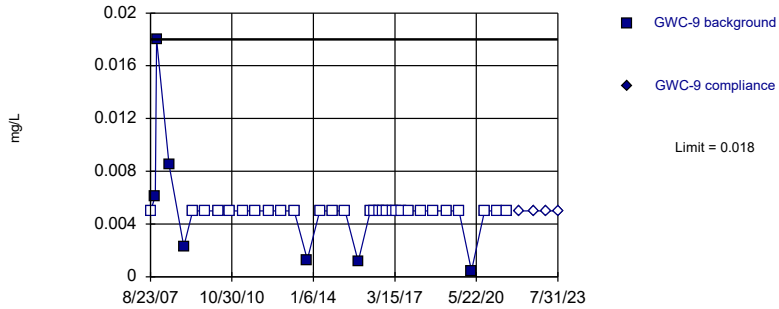


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

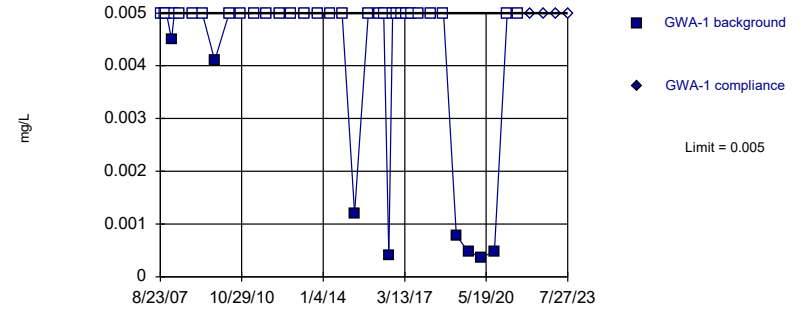


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 36 background values. 80.56% NDs. Well-constituent pair annual alpha = 0.002856. Individual comparison alpha = 0.001429 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

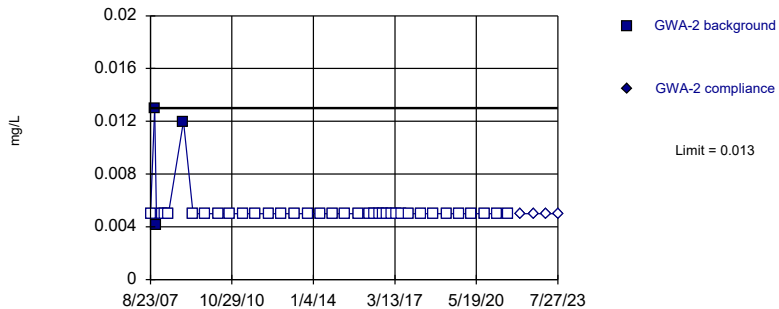


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

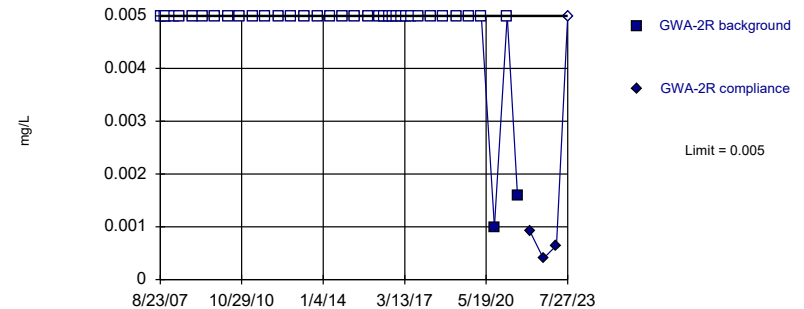


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

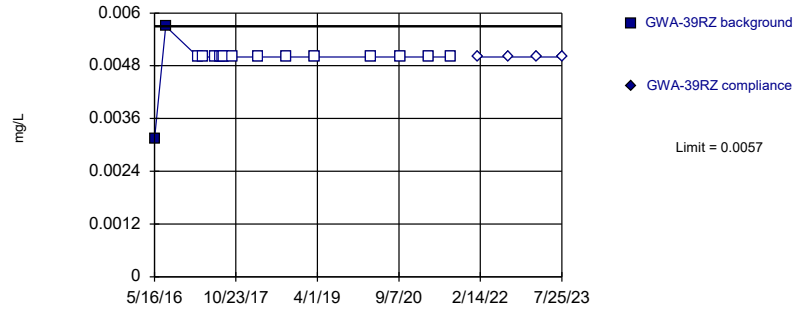


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

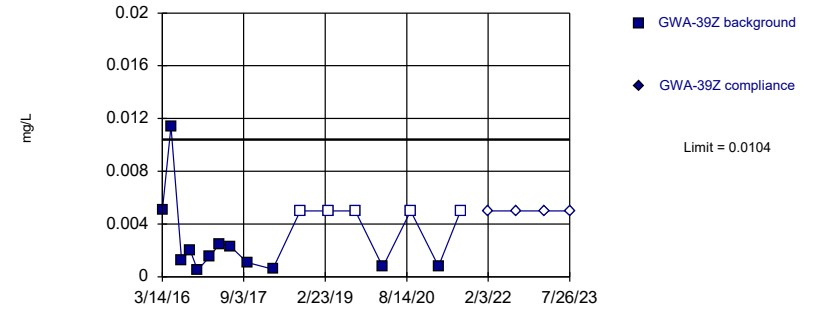


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

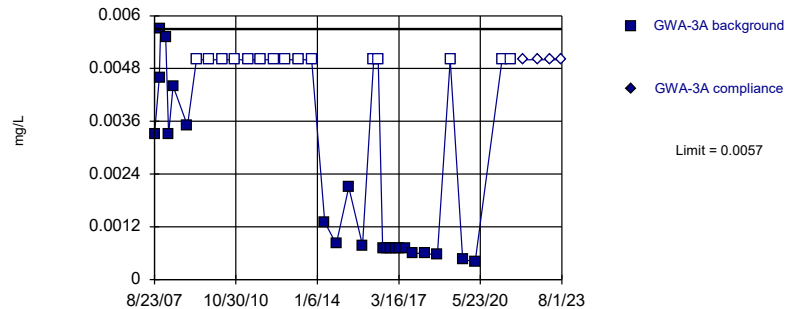


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04156, Std. Dev.=0.02036, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8962, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

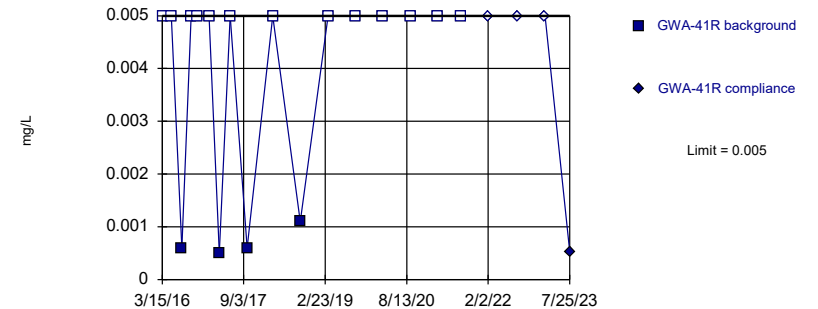


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 40.54% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

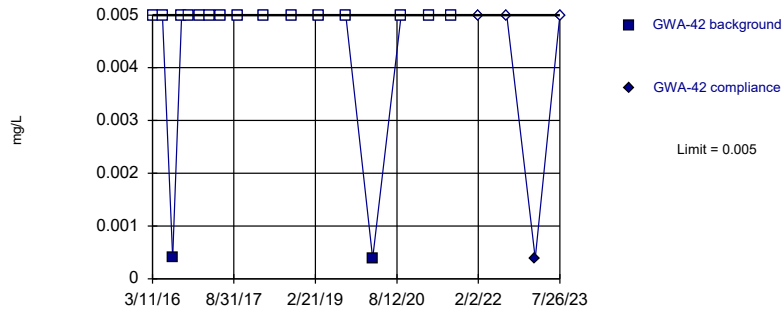


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

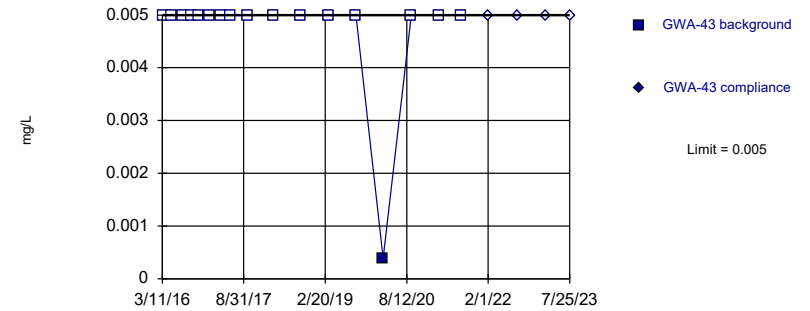


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

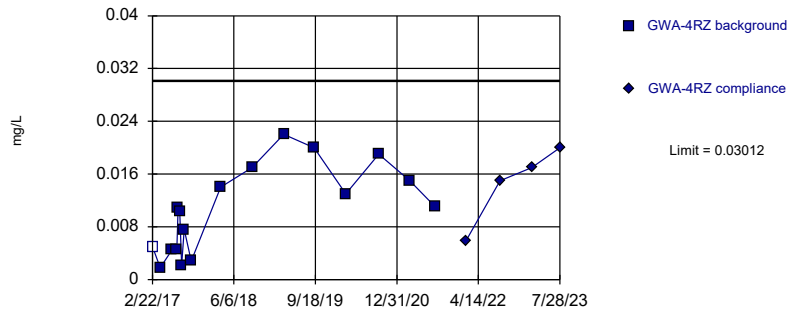


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

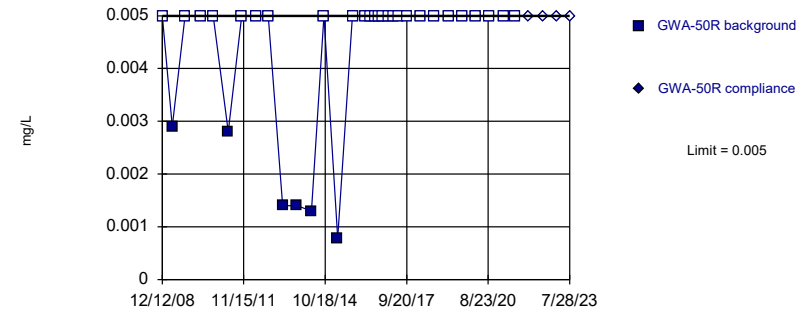


Background Data Summary: Mean=0.01064, Std. Dev.=0.006563, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

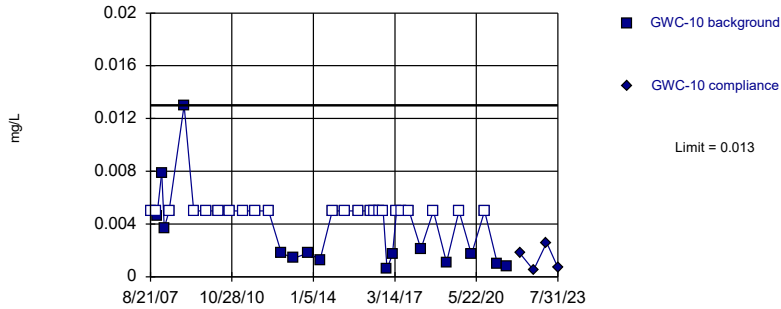


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

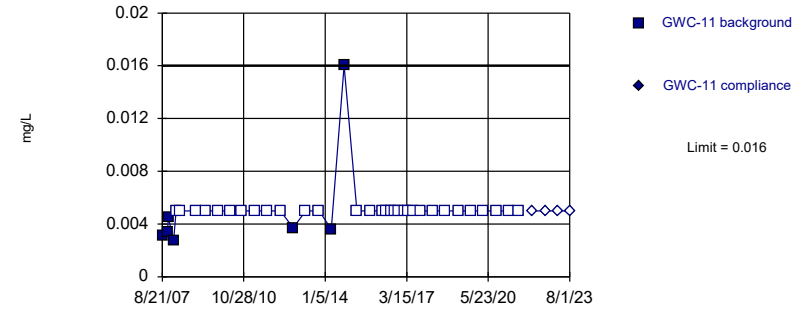


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

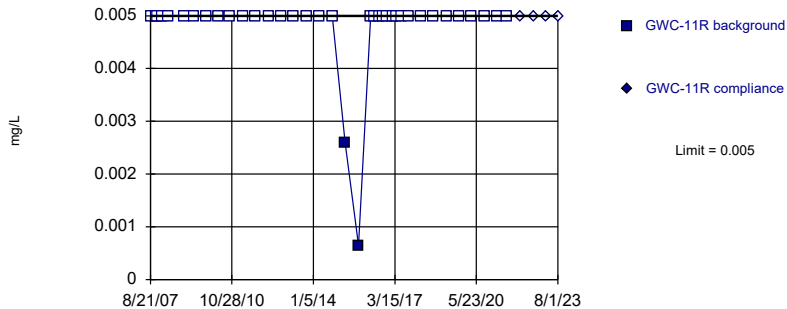


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

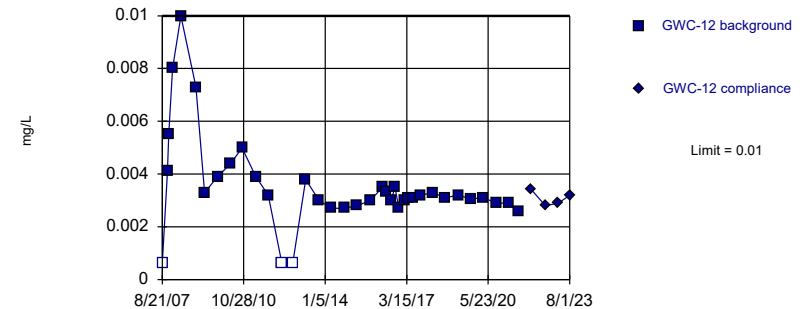


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

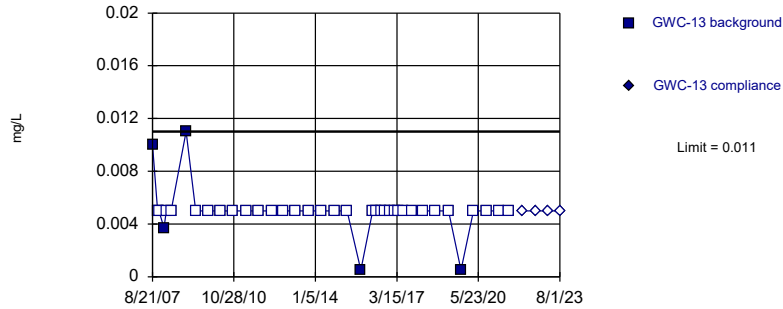


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 37 background values. 8.108% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

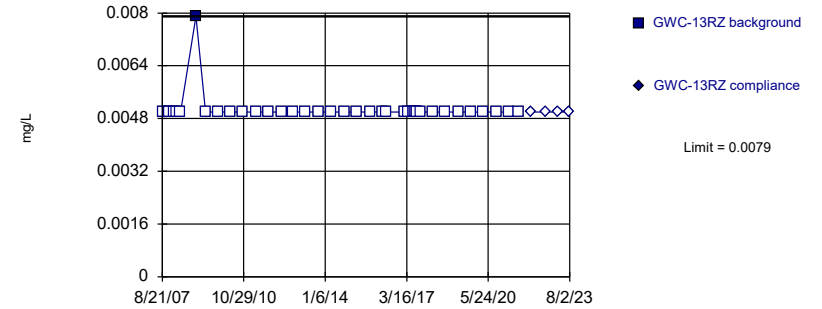


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

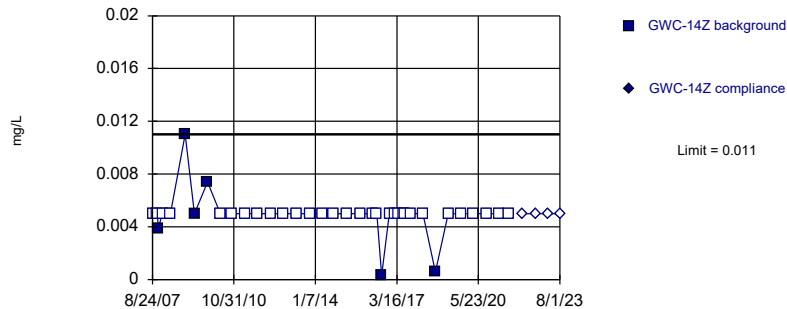


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

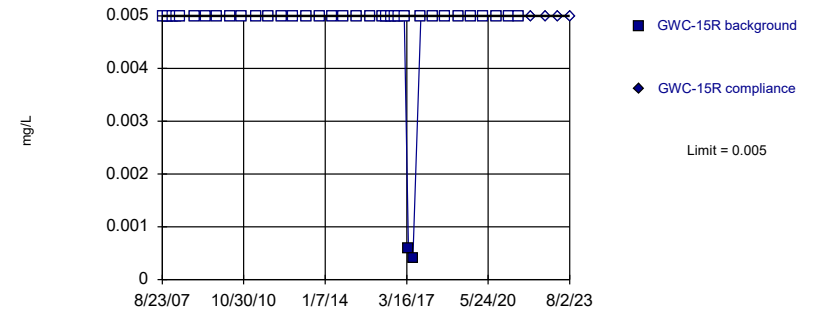


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 81.58% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

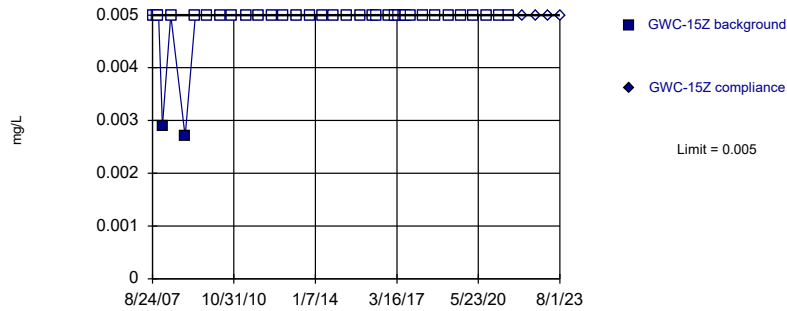


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

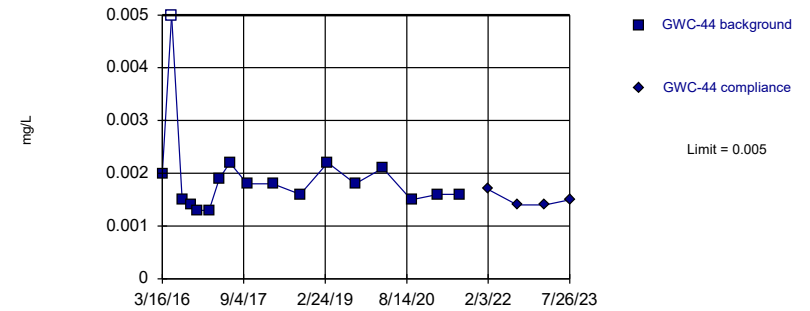


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 94.59% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

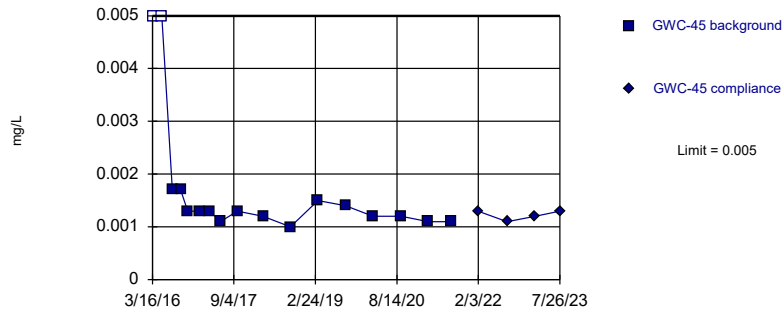


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

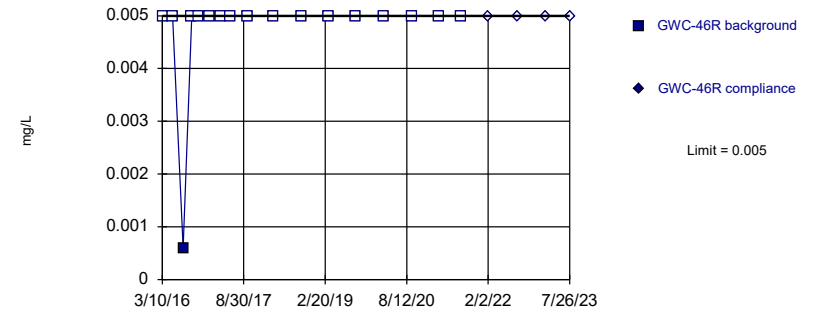


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 11.76% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

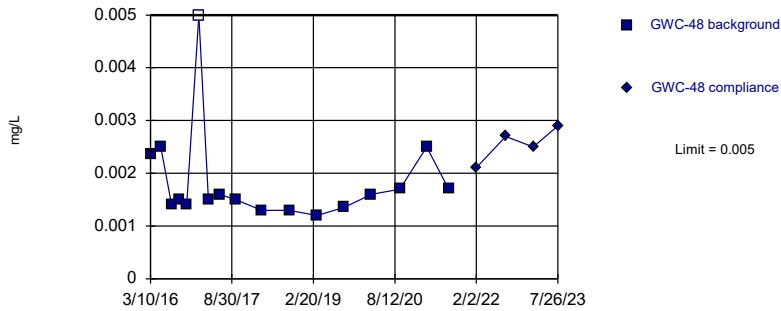


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

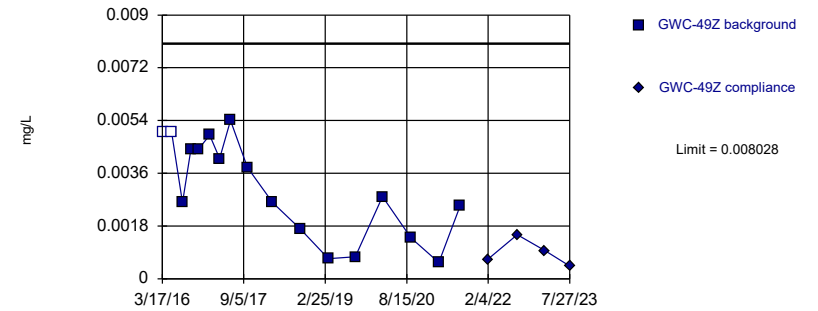


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

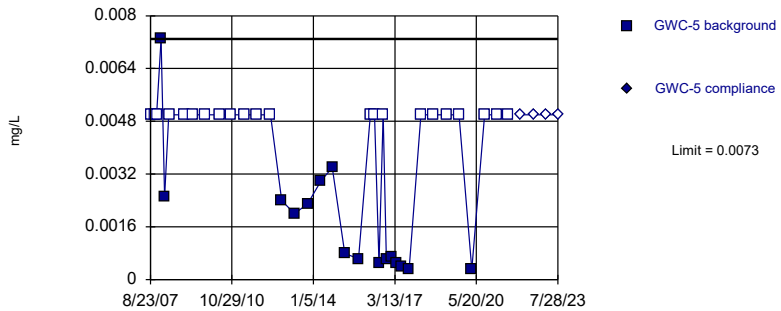


Background Data Summary: Mean=0.003094, Std. Dev.=0.001662, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9164, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

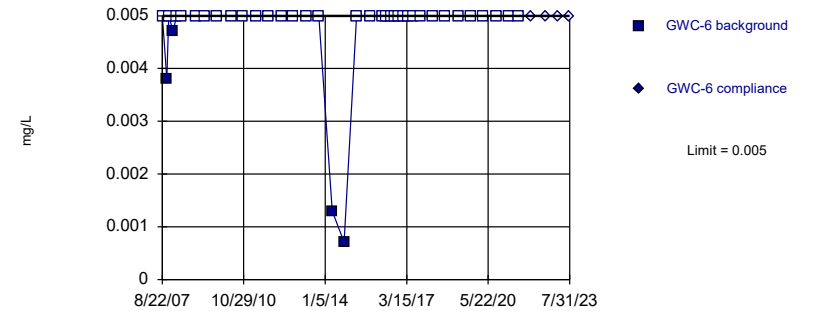


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

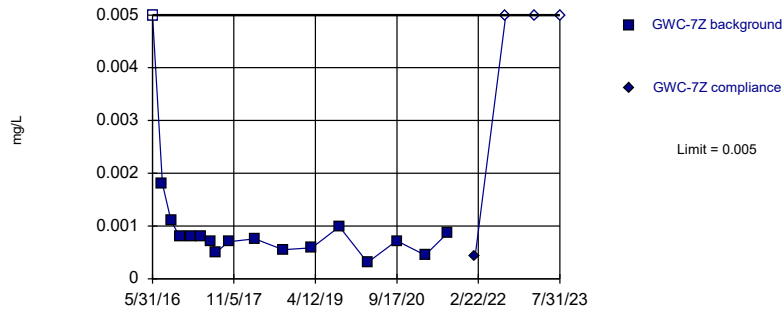


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

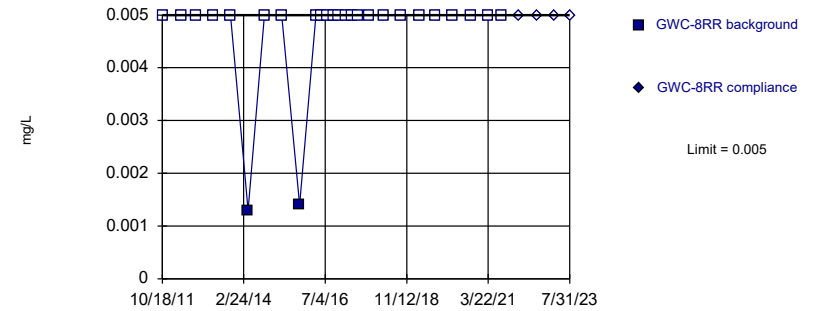


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 5.882% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

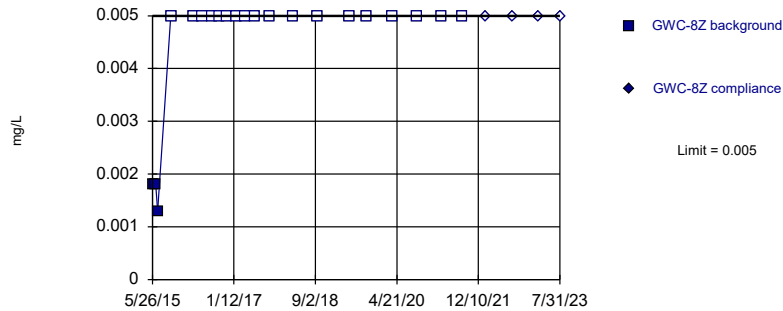


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

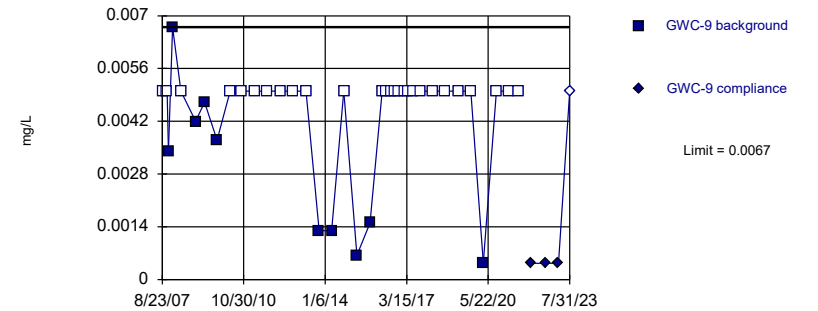


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

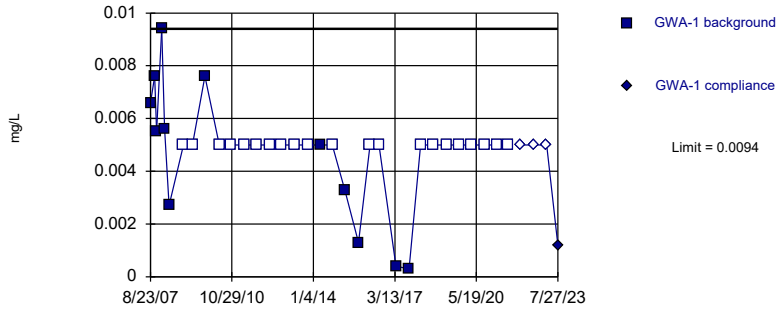


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 72.97% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

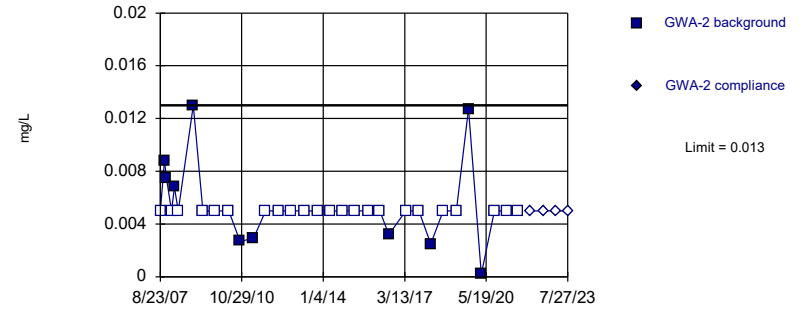


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

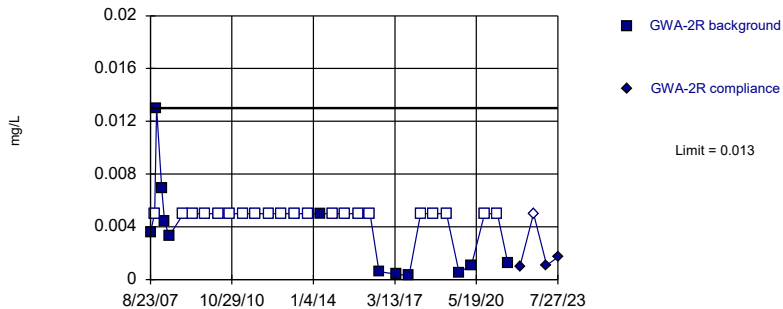


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

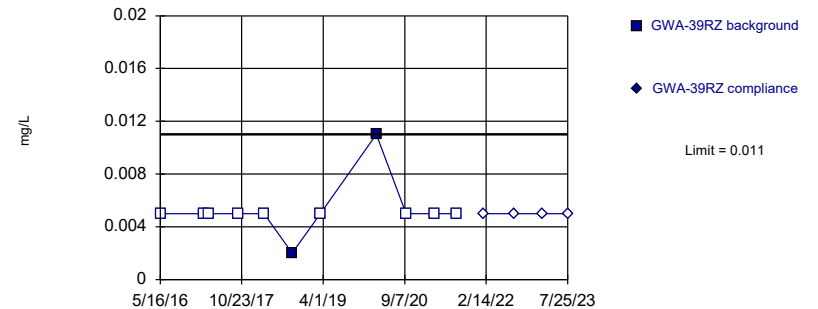


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

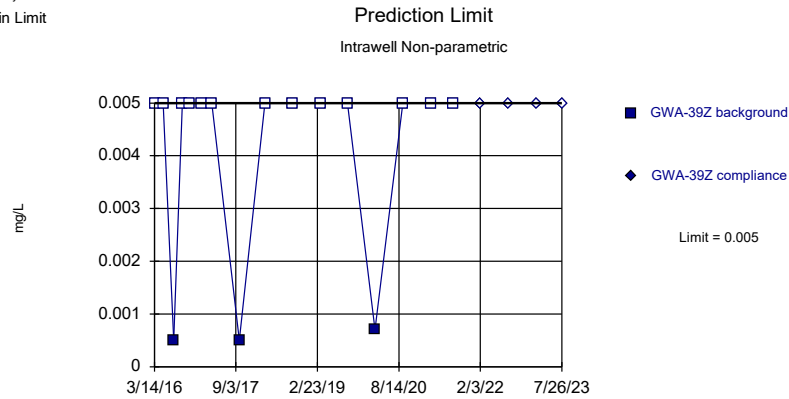
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

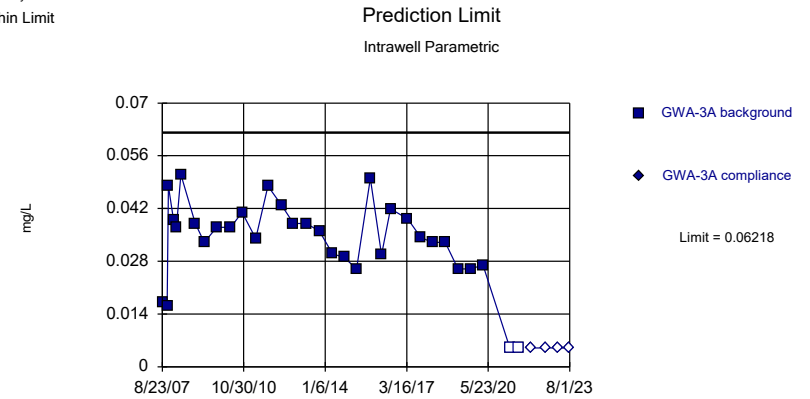
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

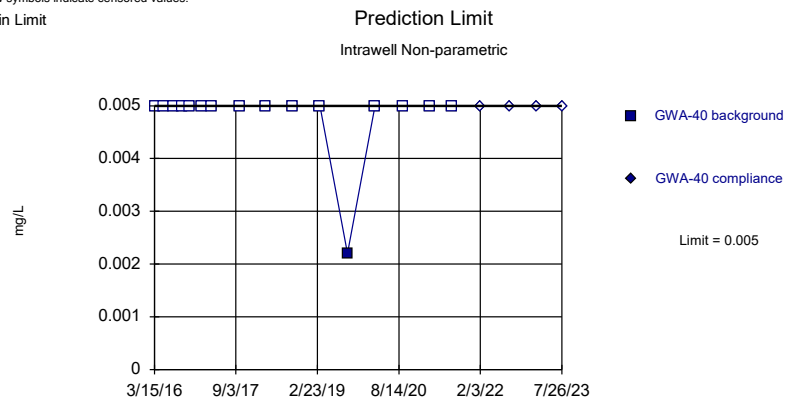
Within Limit



Background Data Summary: Mean=0.03331, Std. Dev.=0.01113, n=32, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9225, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

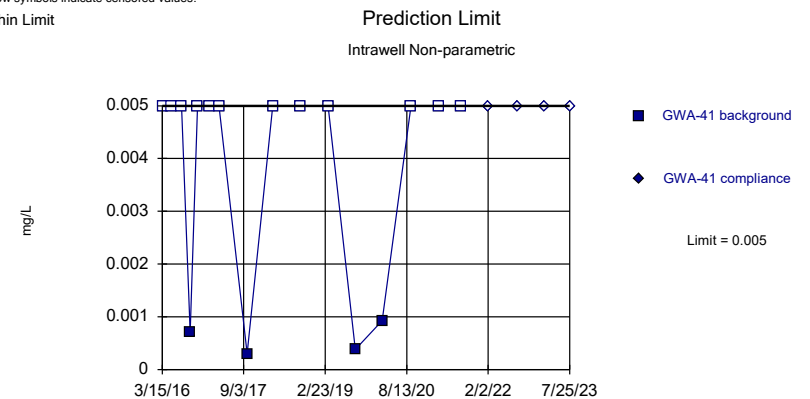
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

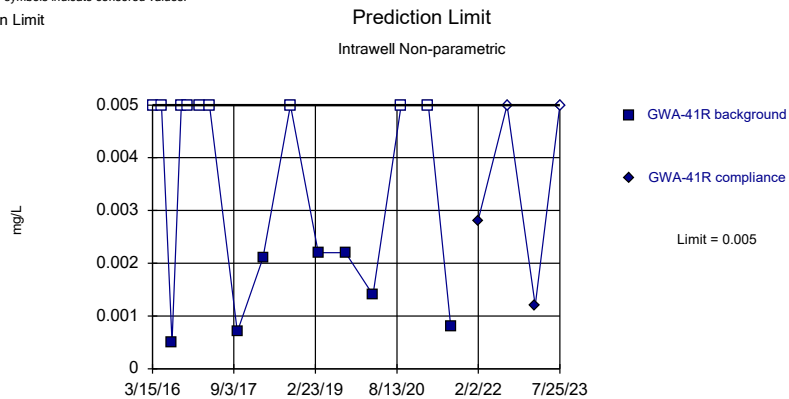
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

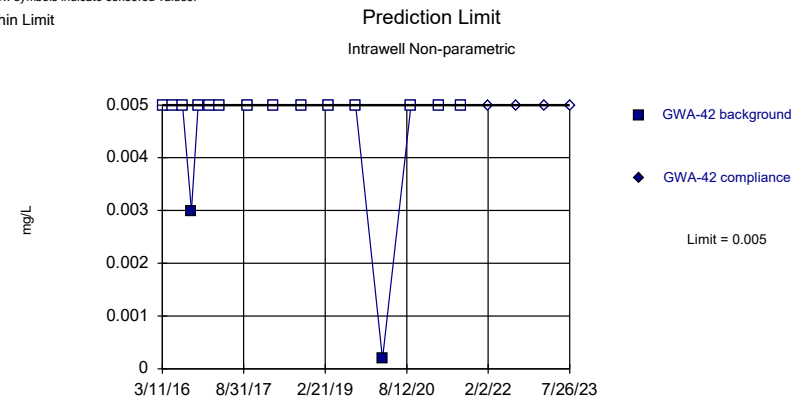
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

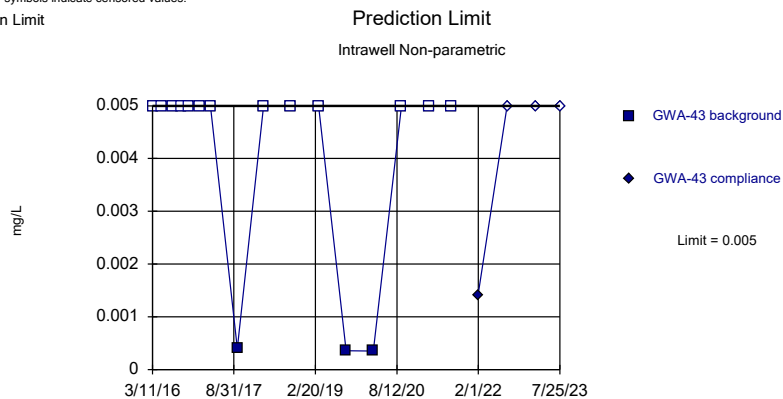
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

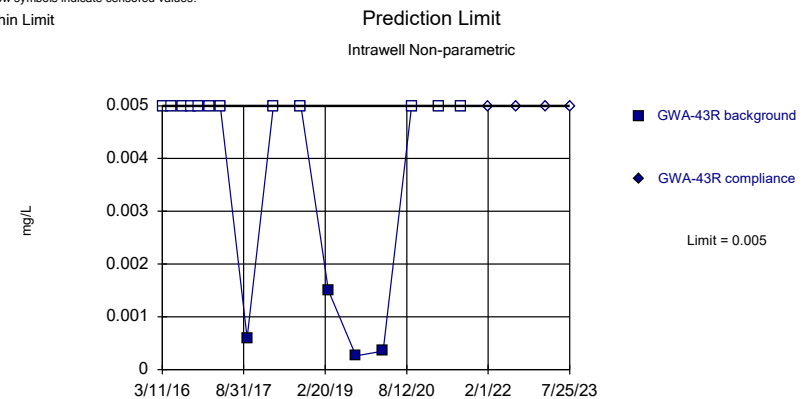
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

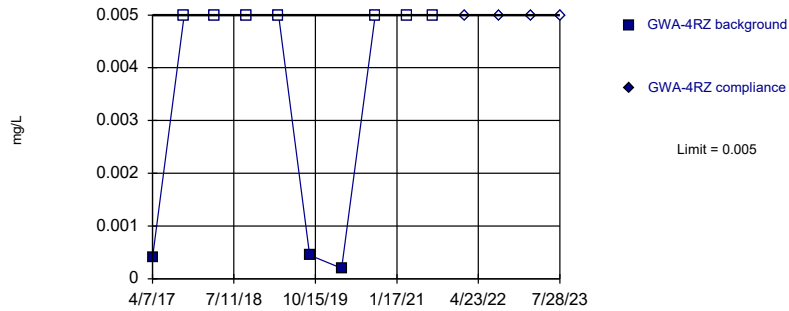


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

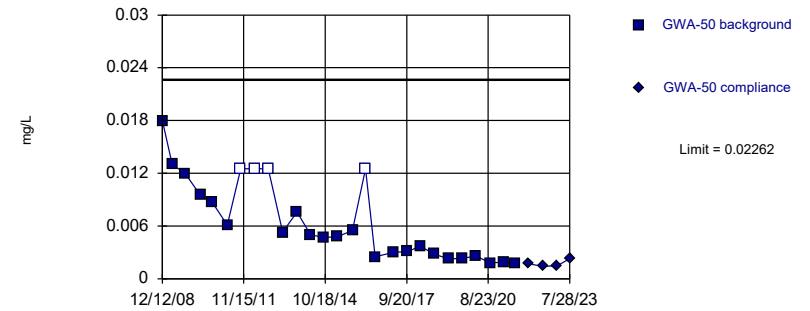


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 70% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

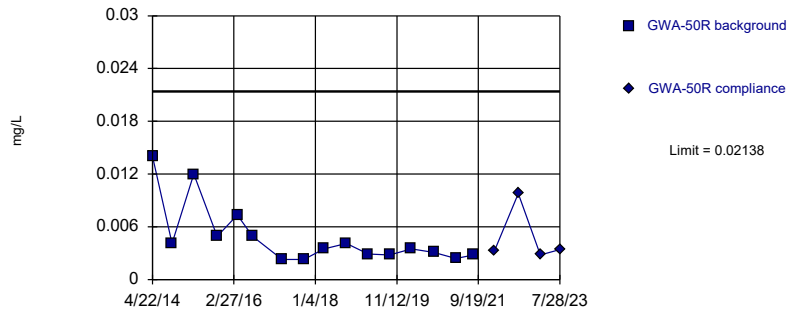


Background Data Summary (based on square root transformation): Mean=0.07647, Std. Dev.=0.02773, n=27, 14.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

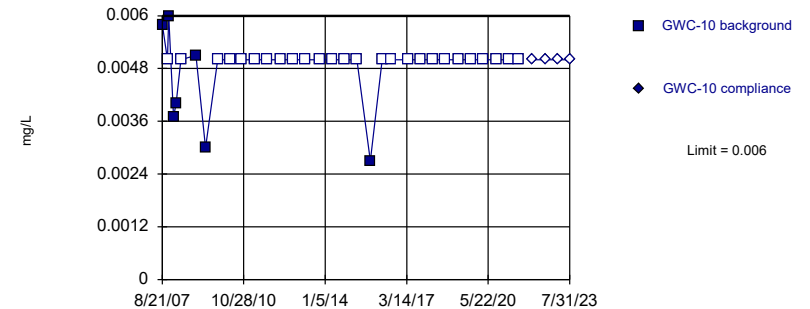


Background Data Summary (based on natural log transformation): Mean=-5.507, Std. Dev.=0.5512, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8598, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

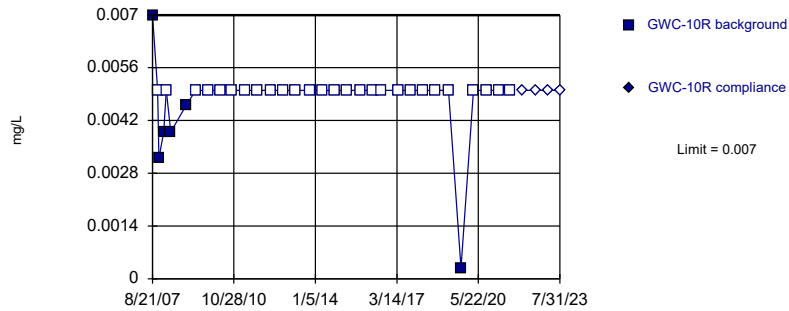


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 78.79% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

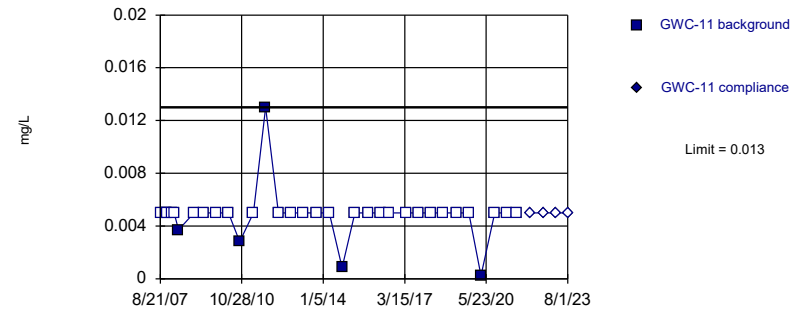


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

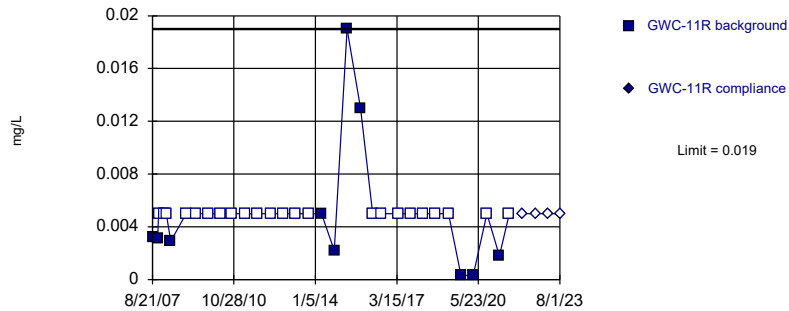


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:27 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

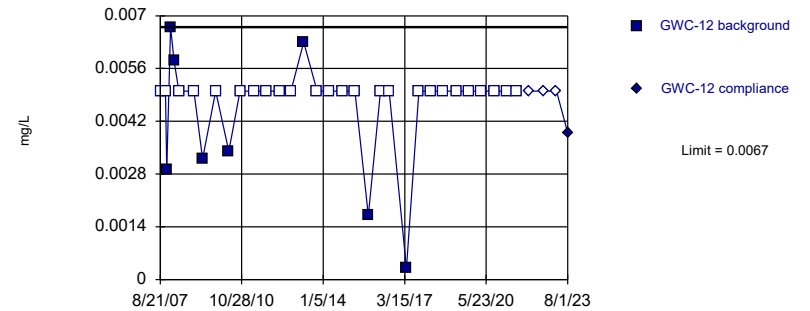


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 69.7% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

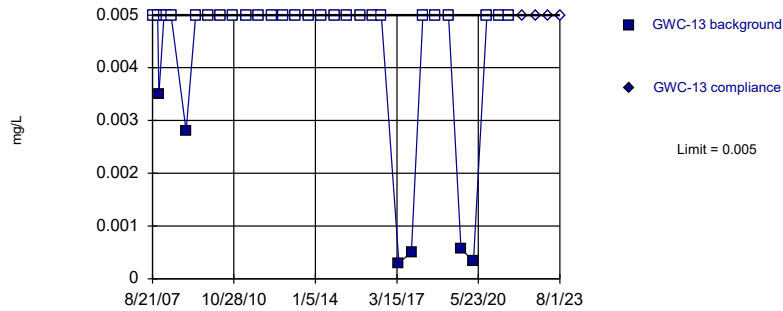


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 75.76% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

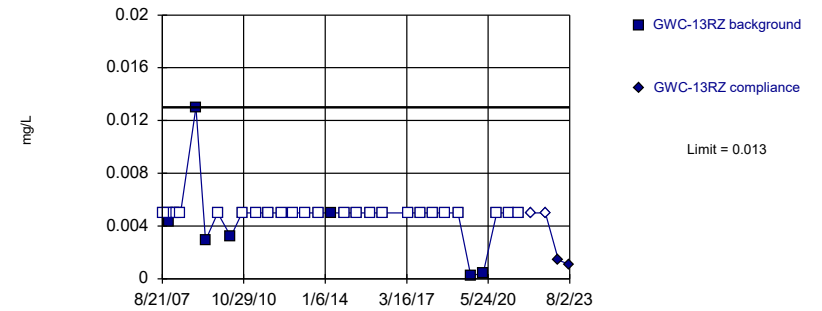


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

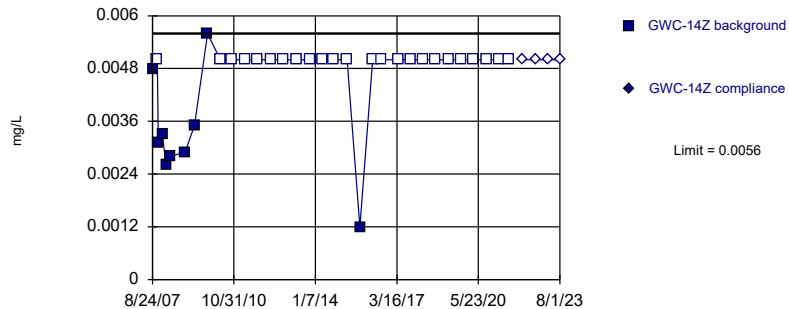


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

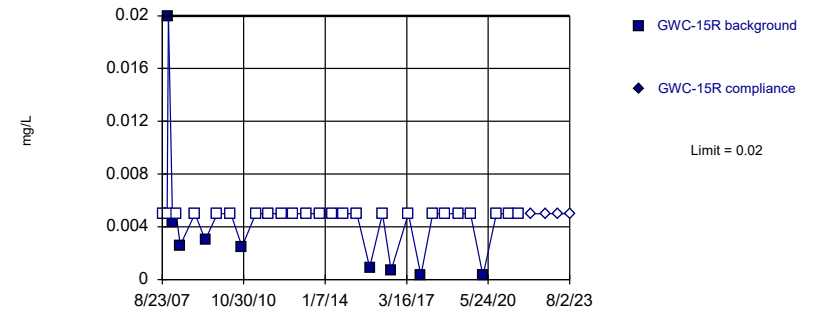


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

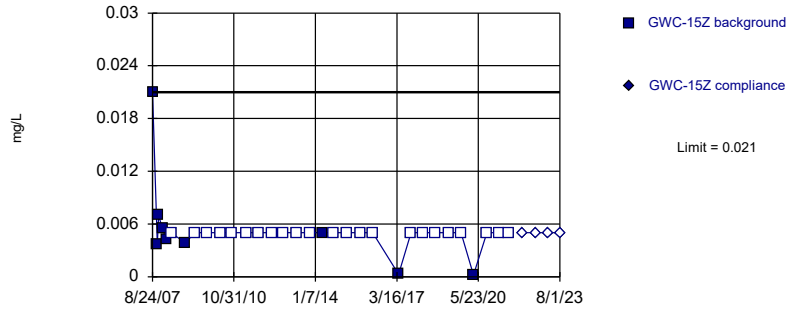


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

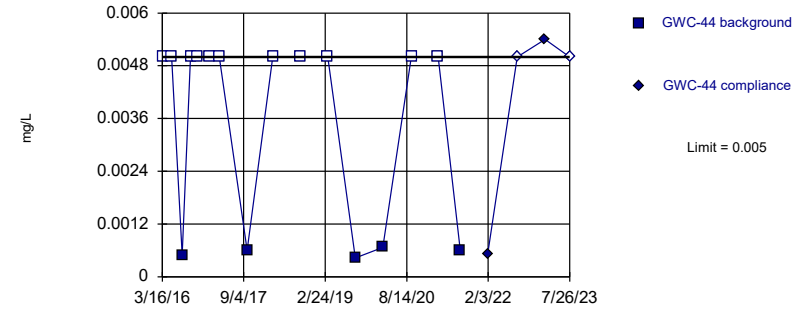


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

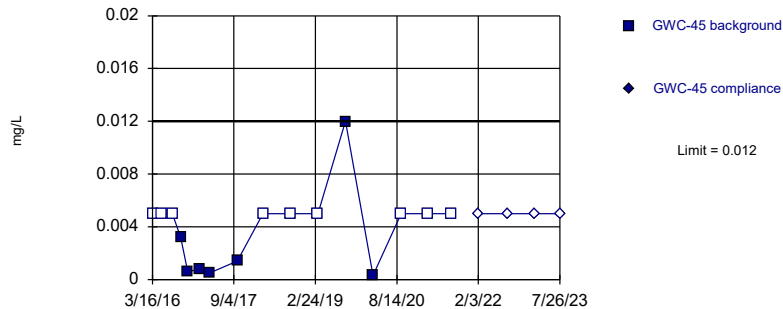


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

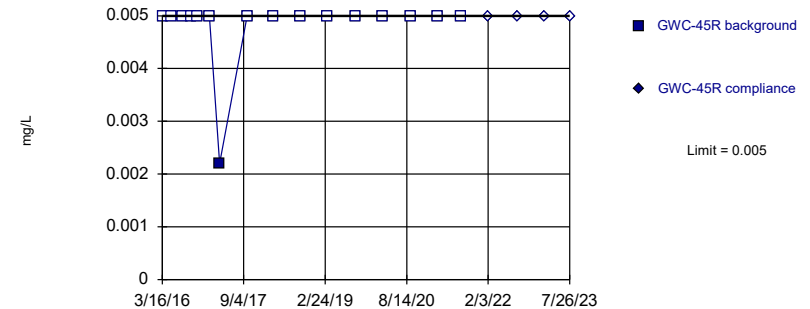


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

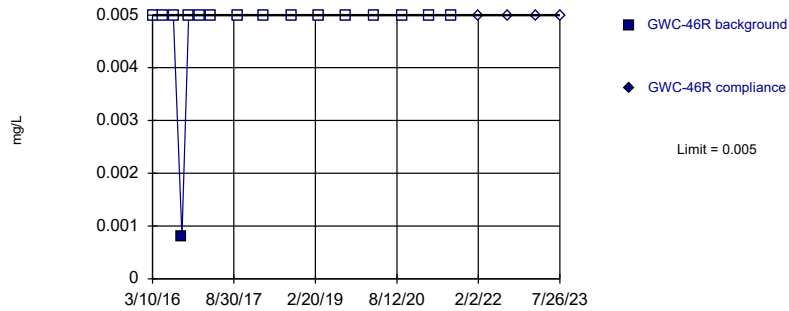


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

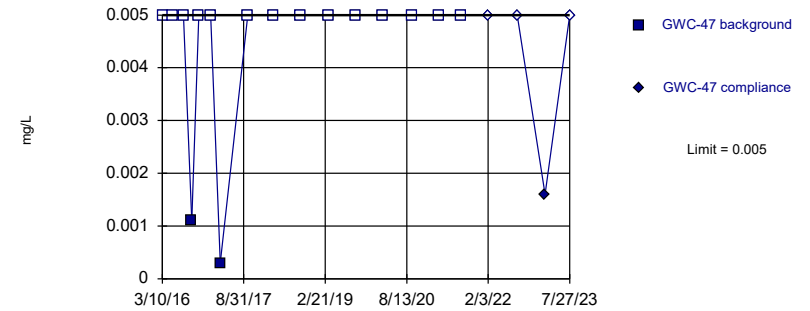


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

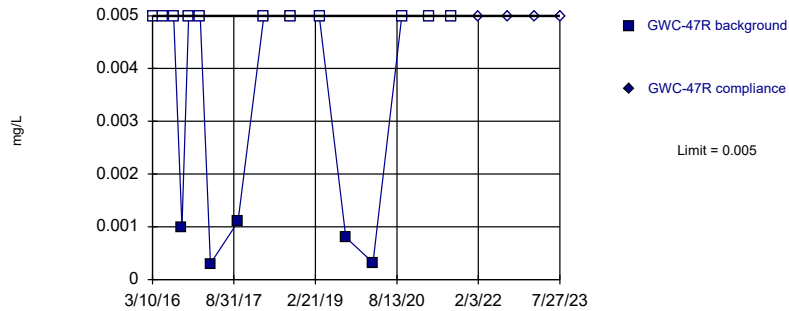


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

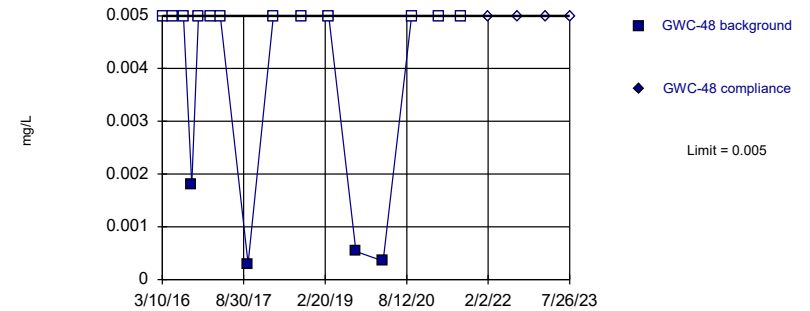


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

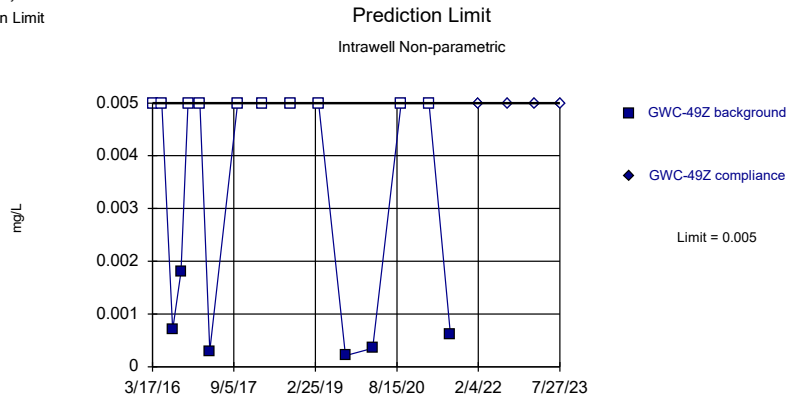
Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

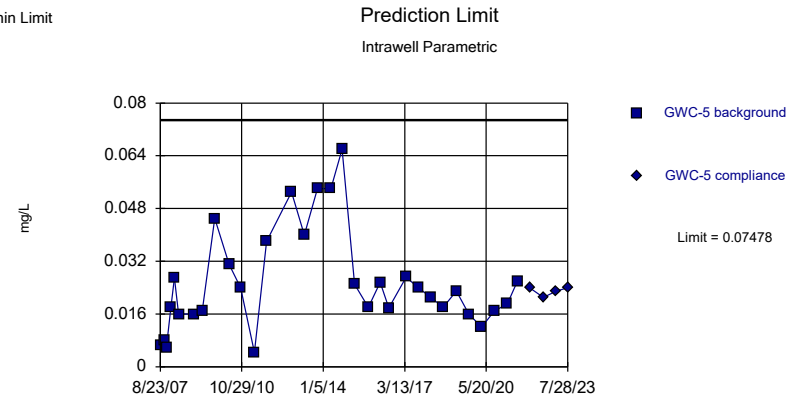
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

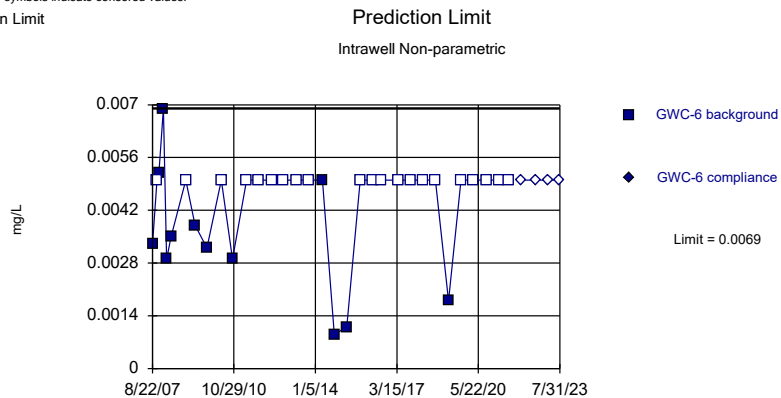
Within Limit



Background Data Summary (based on square root transformation): Mean=0.1527, Std. Dev.=0.04654, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9533, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

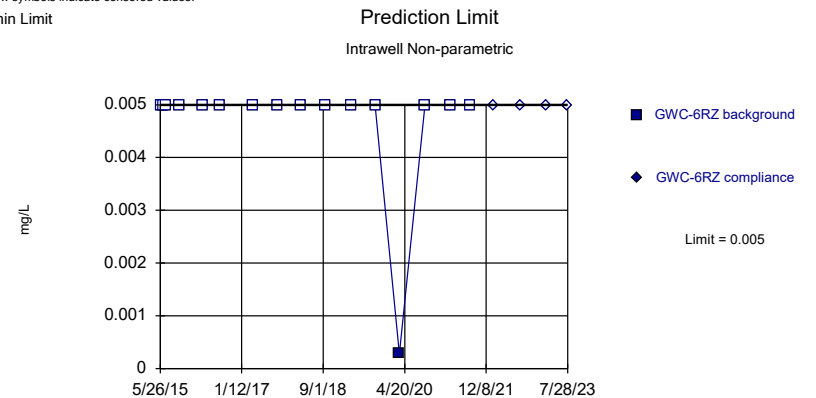
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

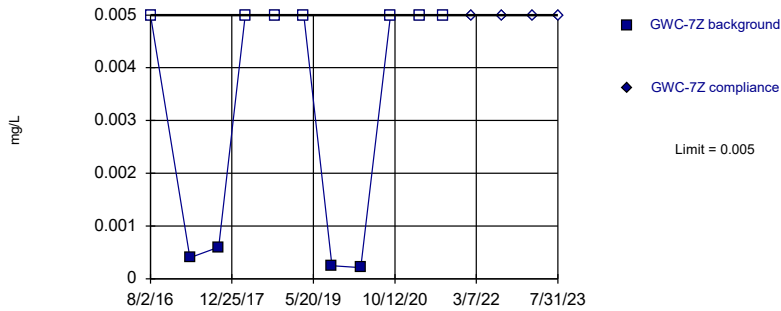


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

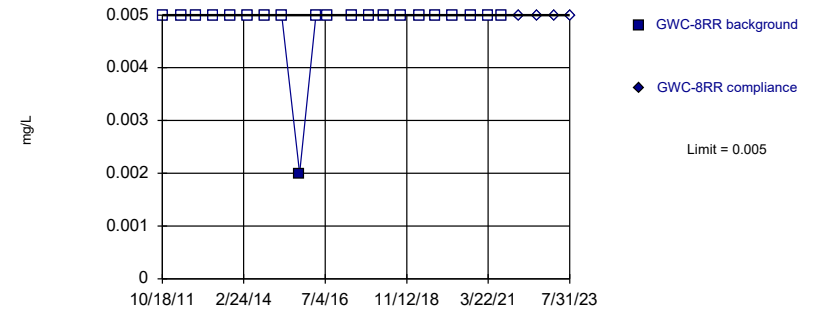


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

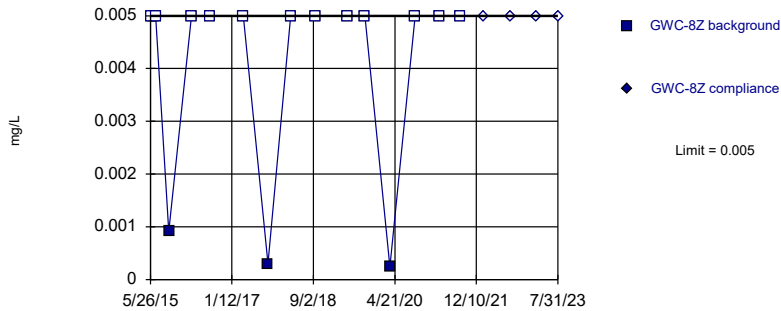


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

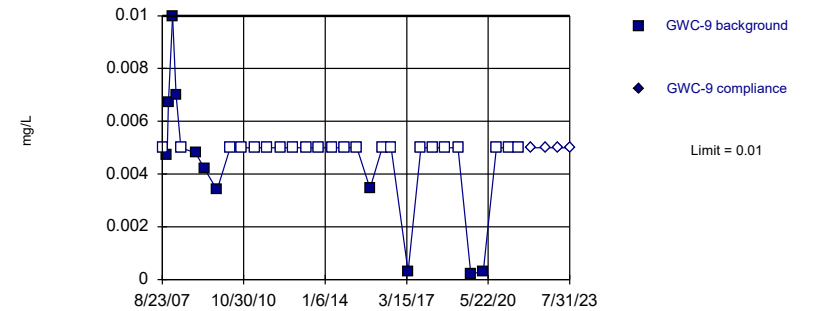


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

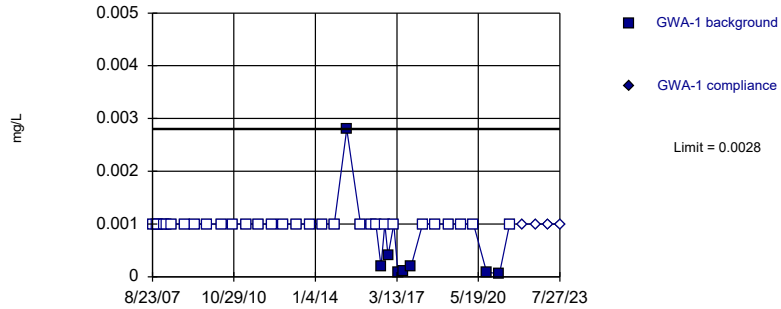


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

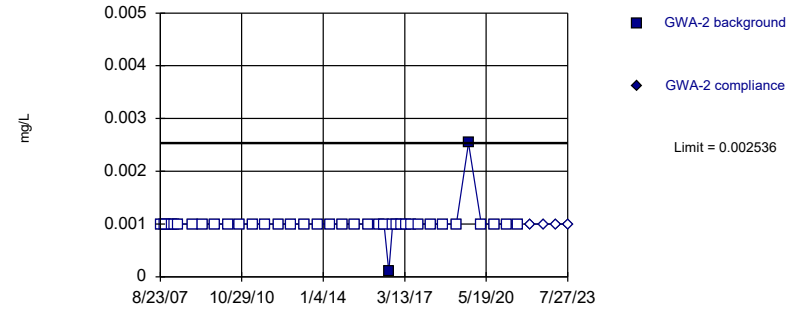


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 78.95% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

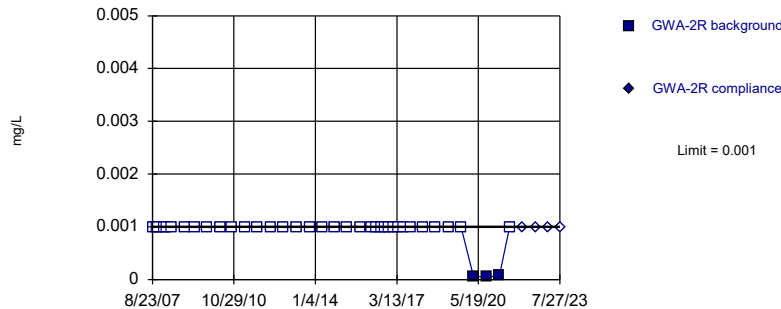


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

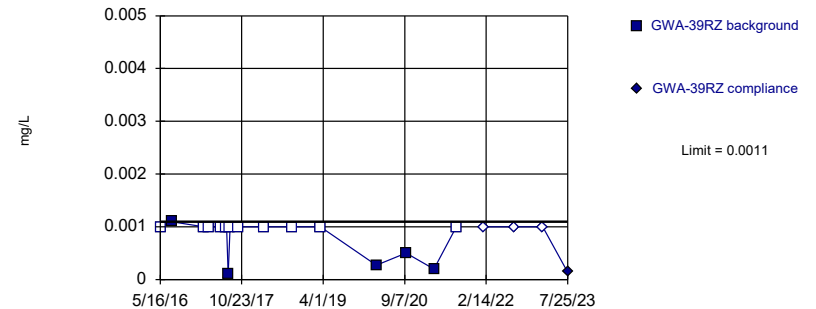


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

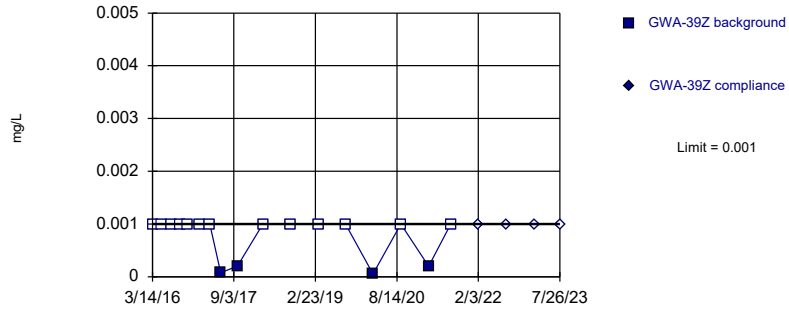


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

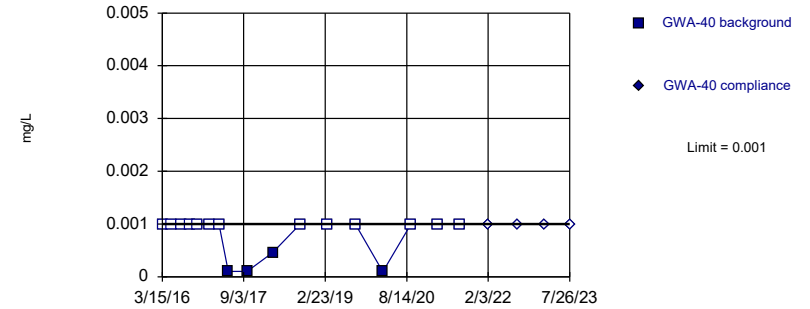


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

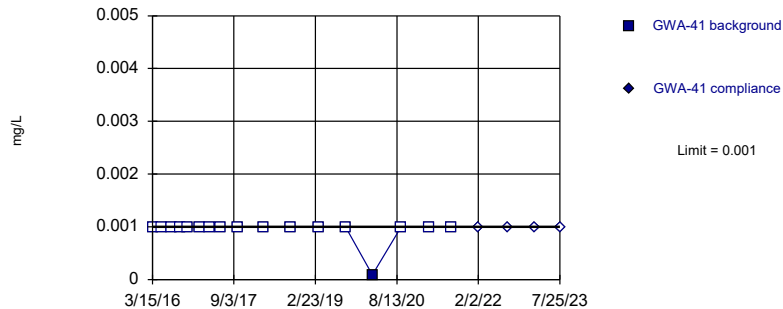


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

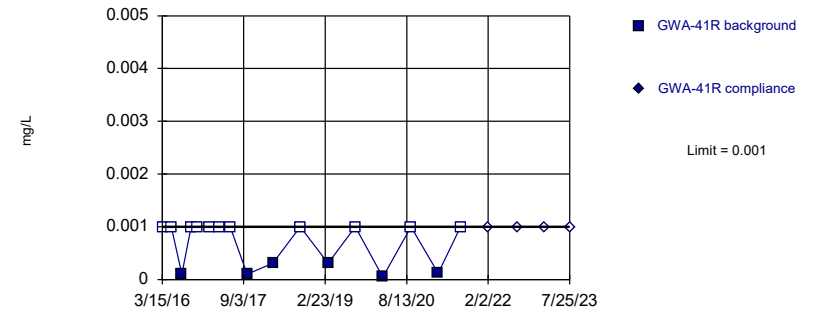


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

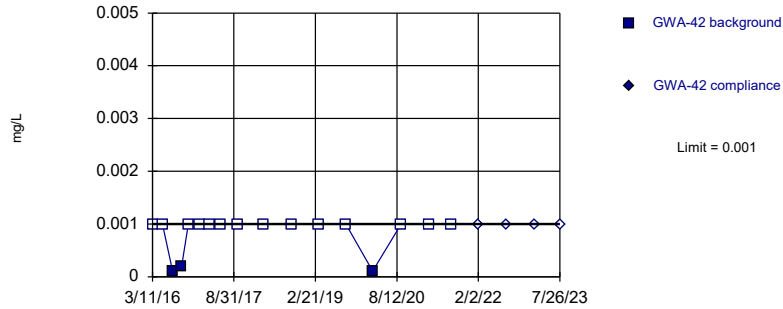


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

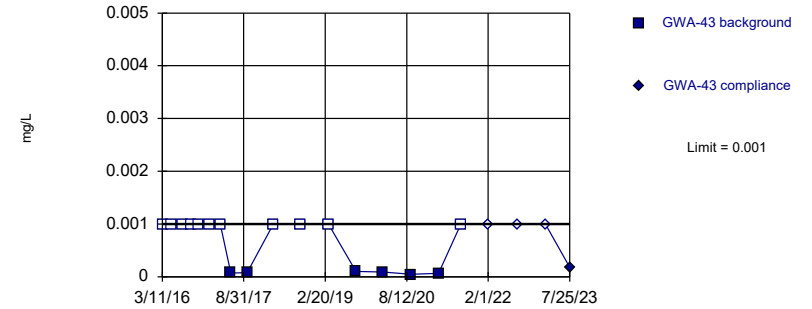


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

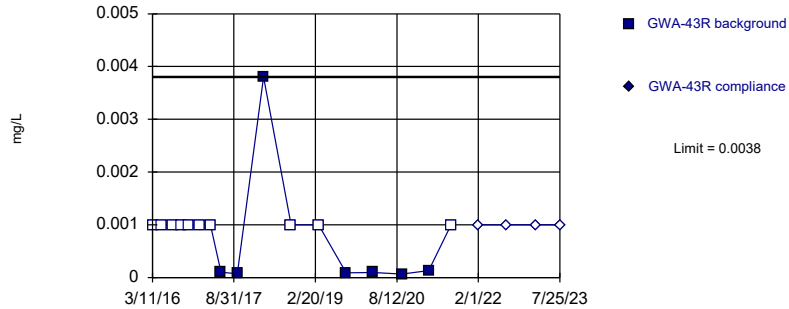


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

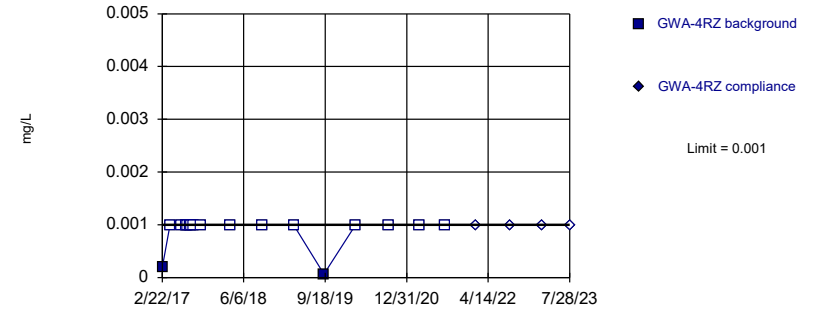


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

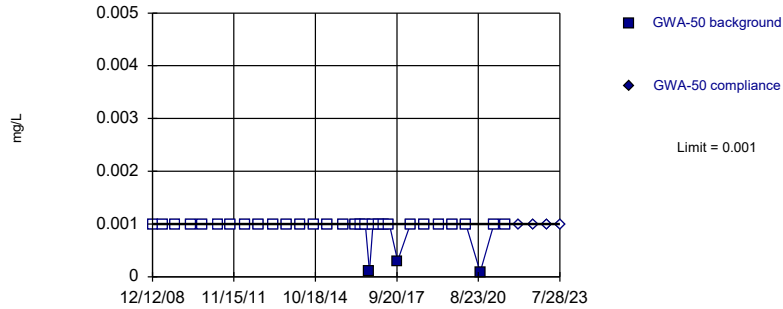


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

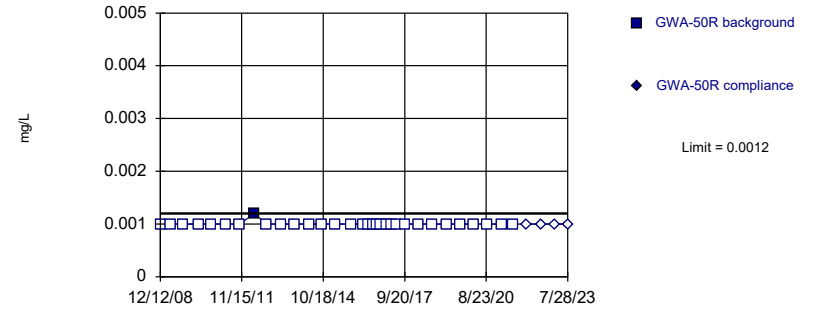


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

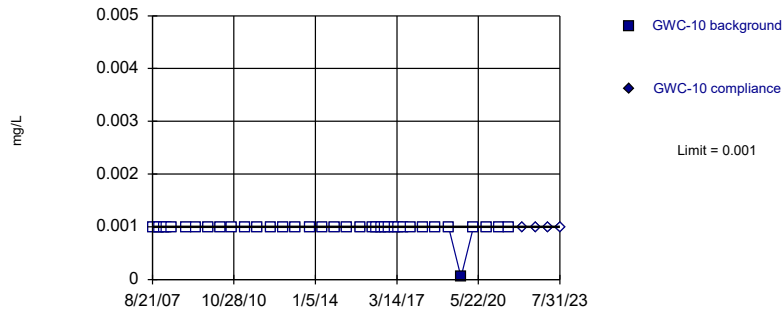


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

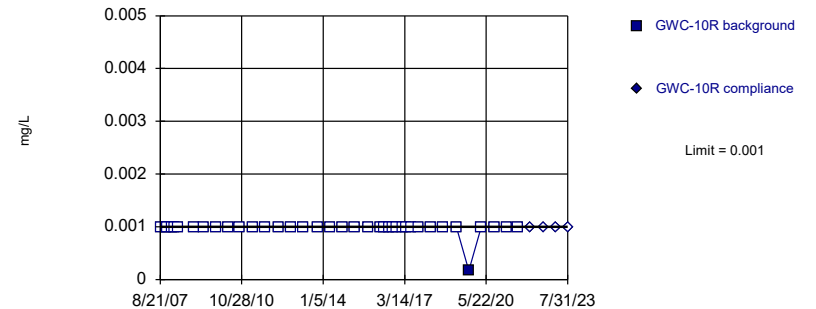


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

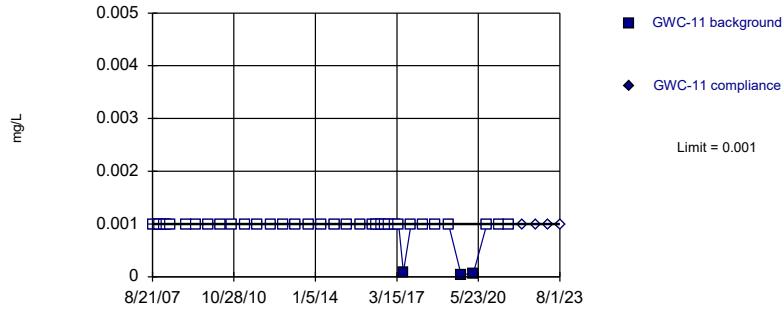


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

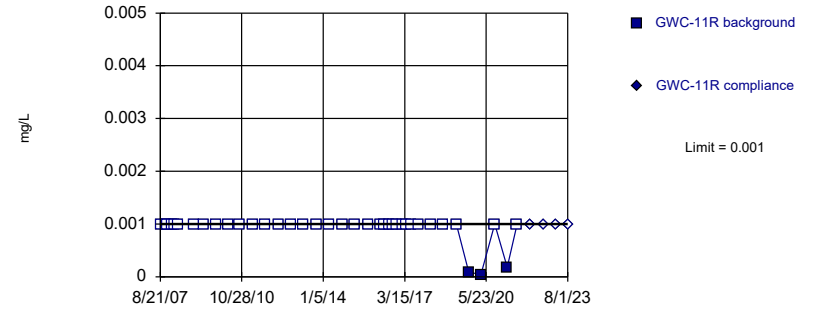


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

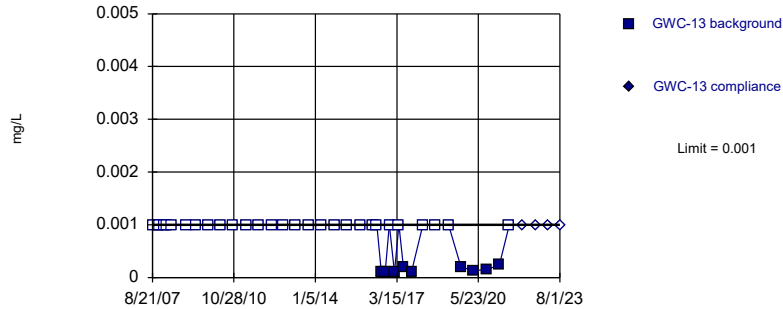


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

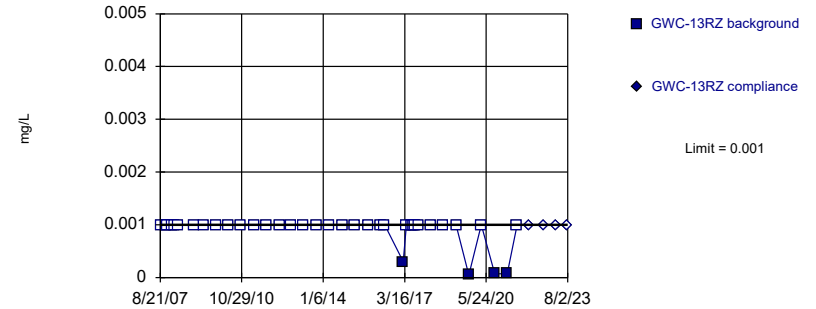


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 76.32% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

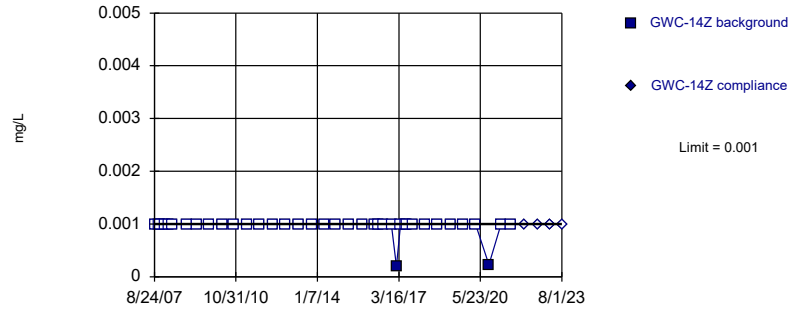


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

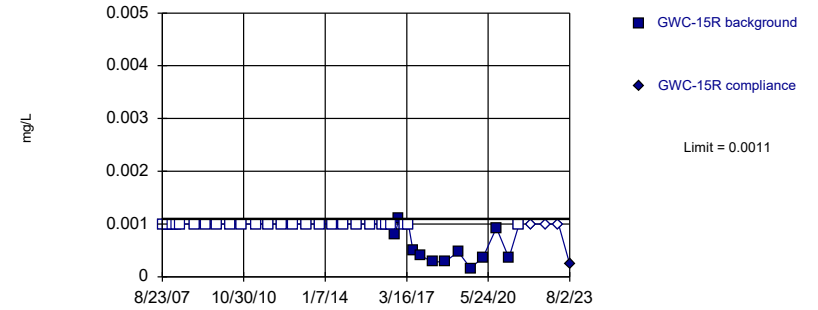


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

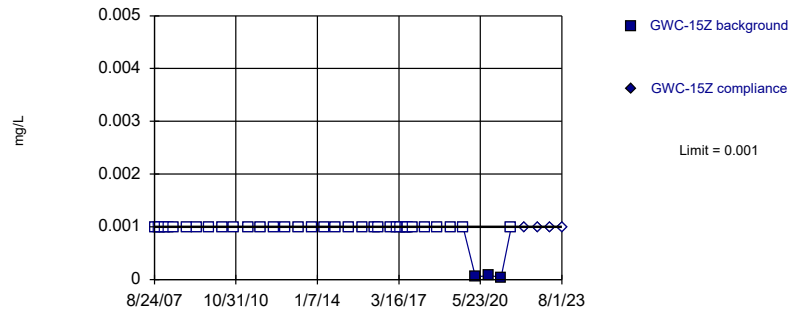


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

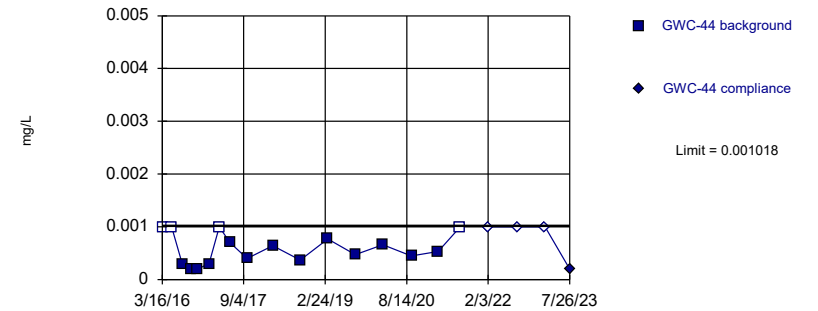


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 92.11% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

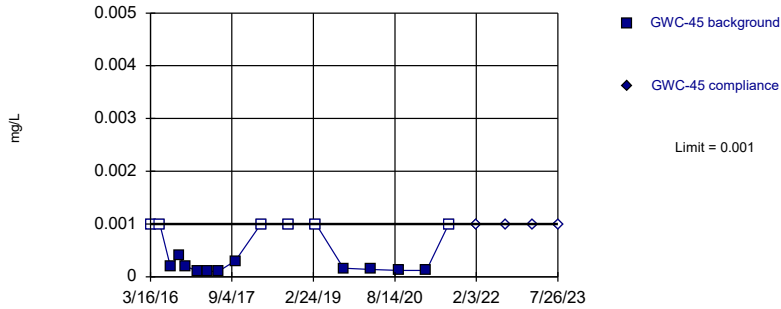


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0004531, Std. Dev.=0.0001903, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9039, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

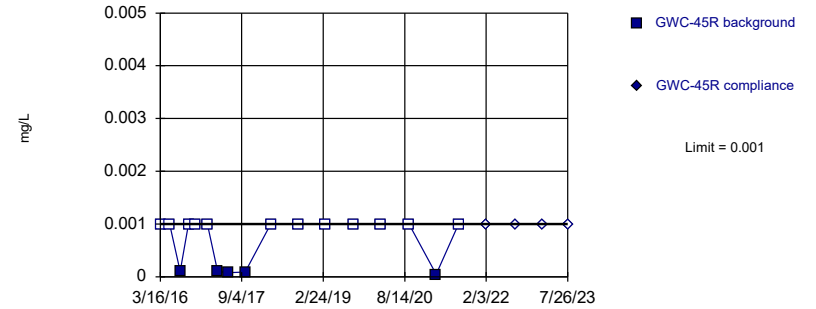


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 35.29% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

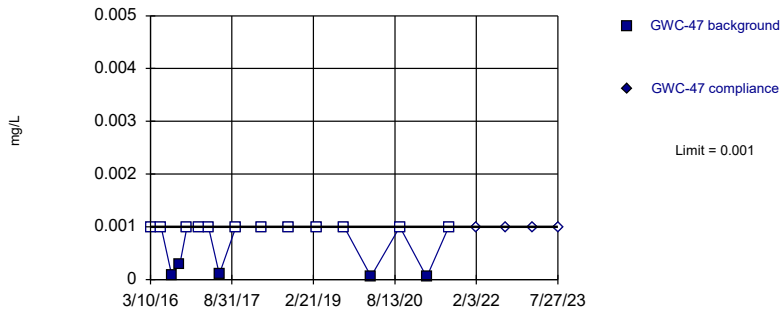


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

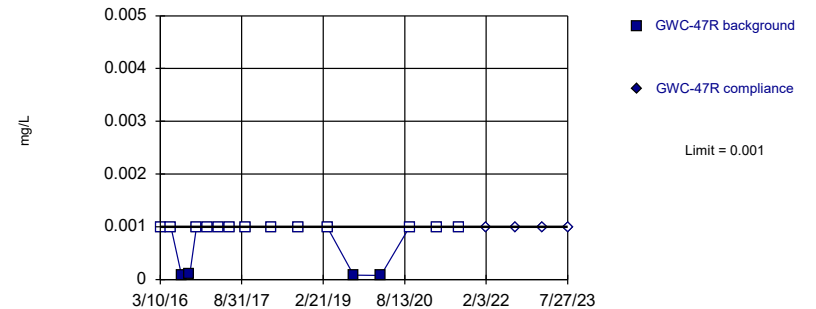


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

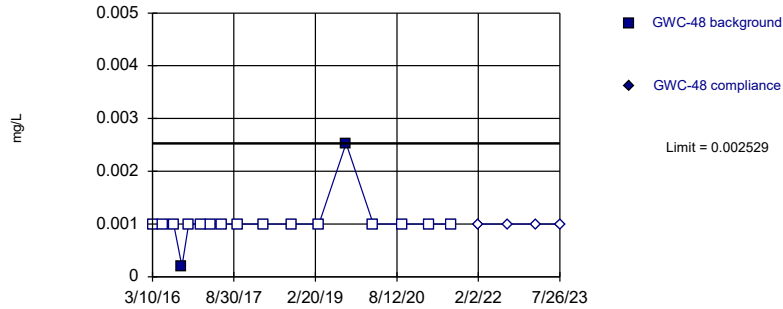


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

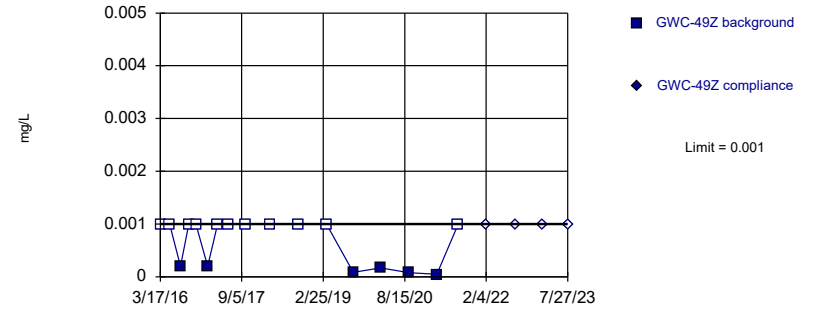


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

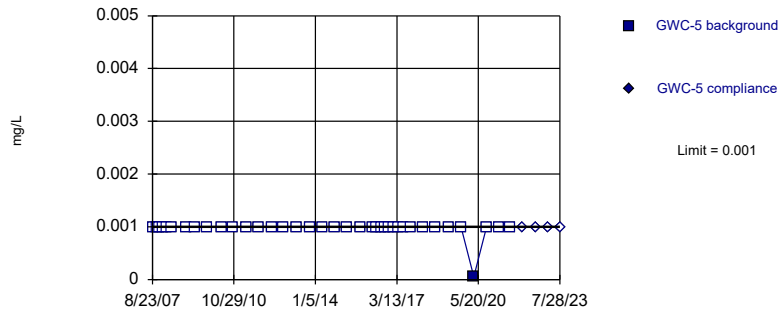


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

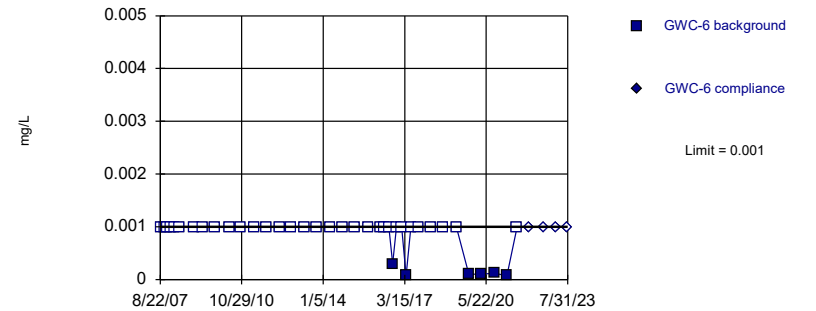


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

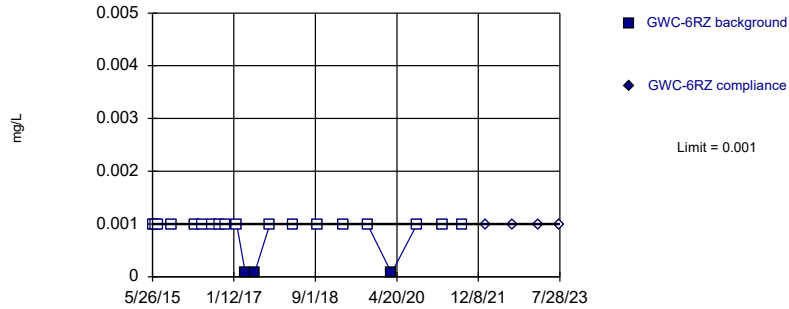


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

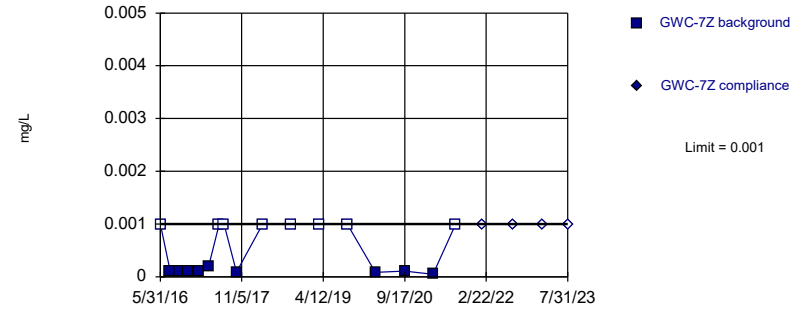


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

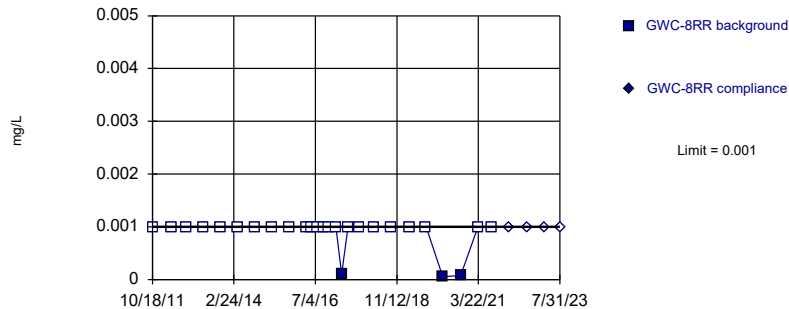


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:28 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

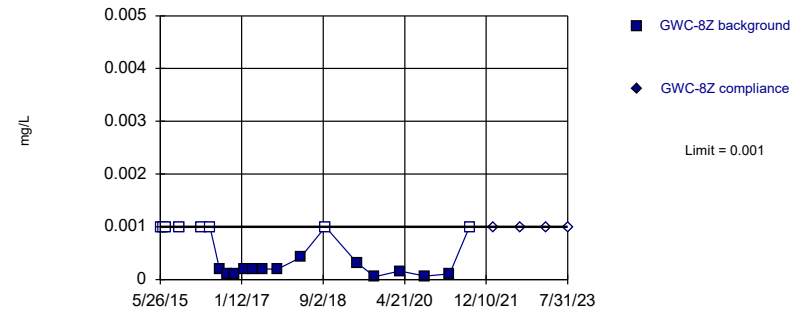


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

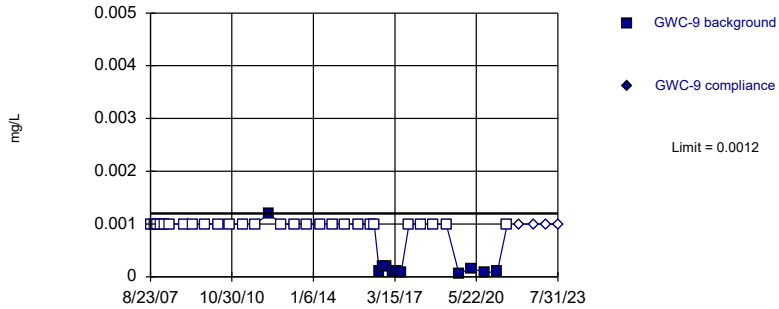


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

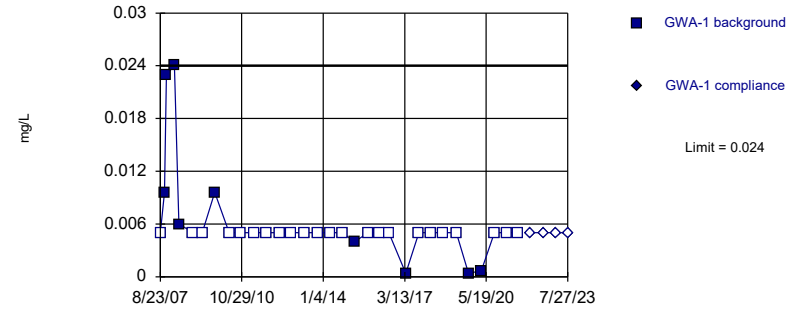


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 71.05% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

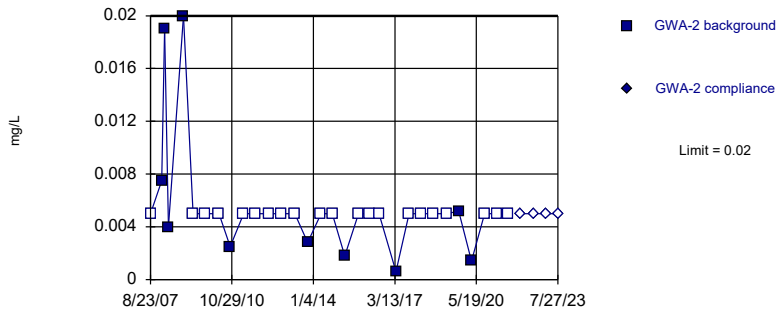


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

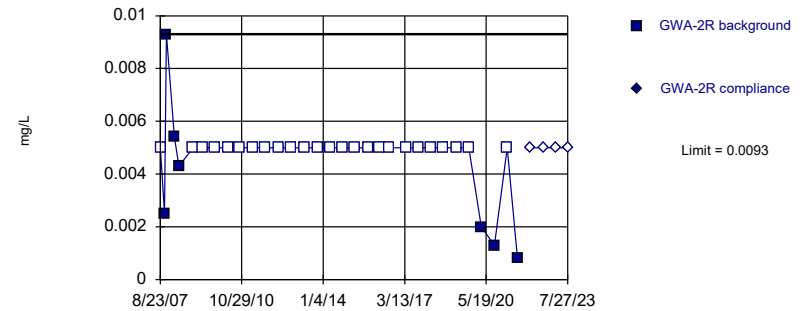


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 67.74% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

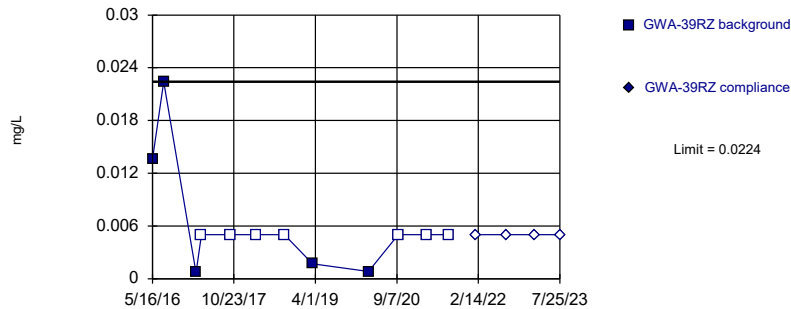


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 78.13% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

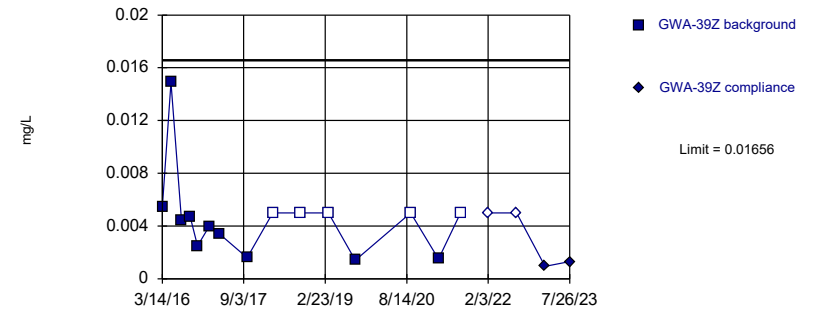


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

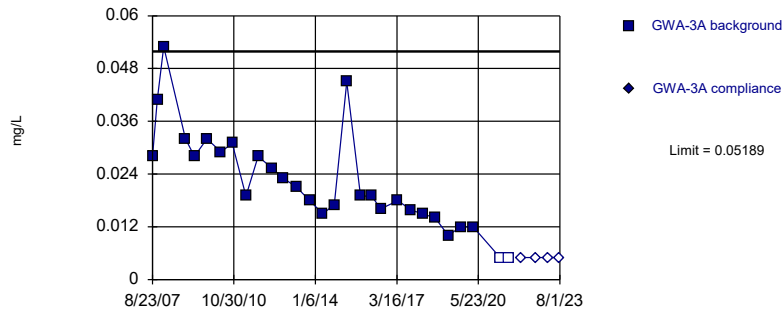


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1494, Std. Dev.=0.03401, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8471, critical = 0.835. Kappa = 3.102 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

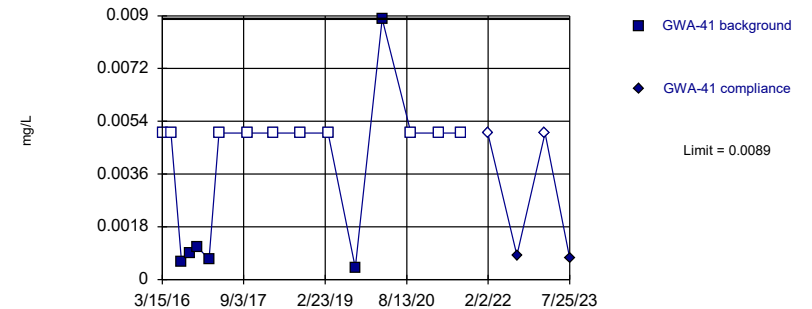


Background Data Summary: Mean=0.02228, Std. Dev.=0.01125, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

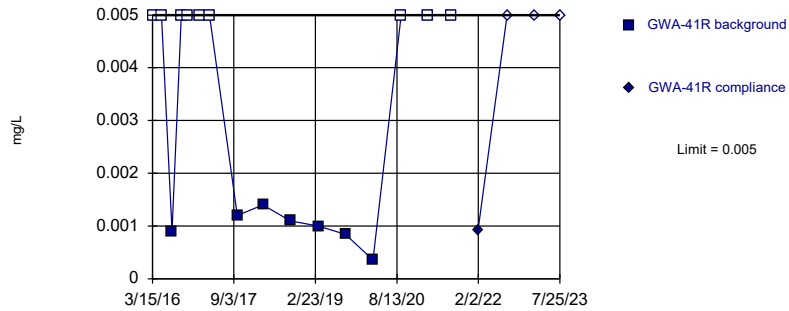


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

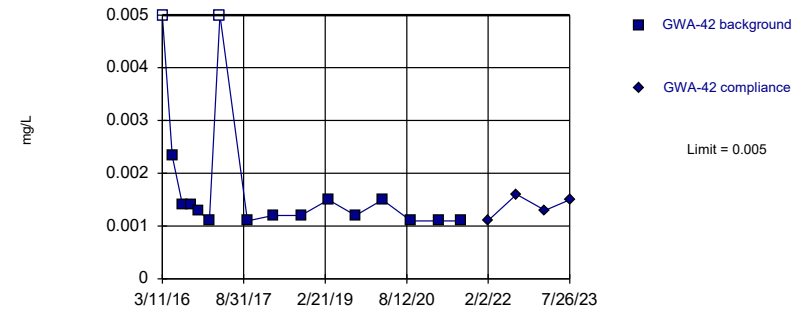


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

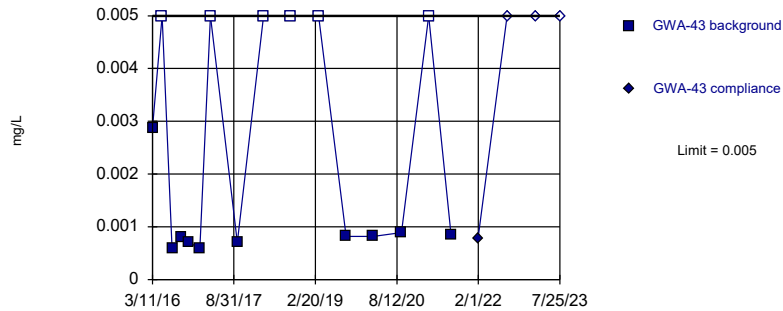


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

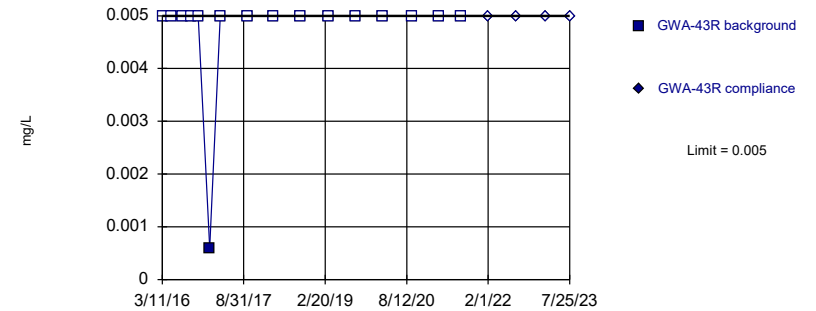


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

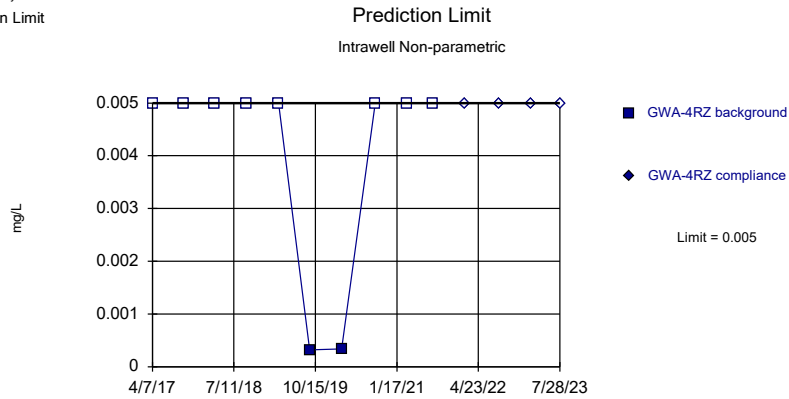
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

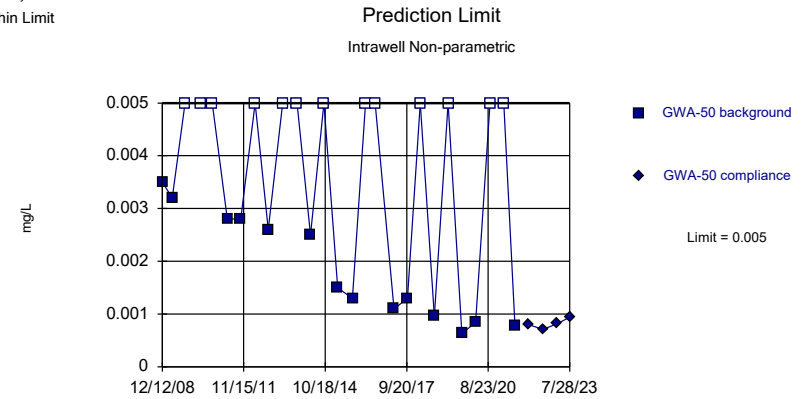
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 80% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

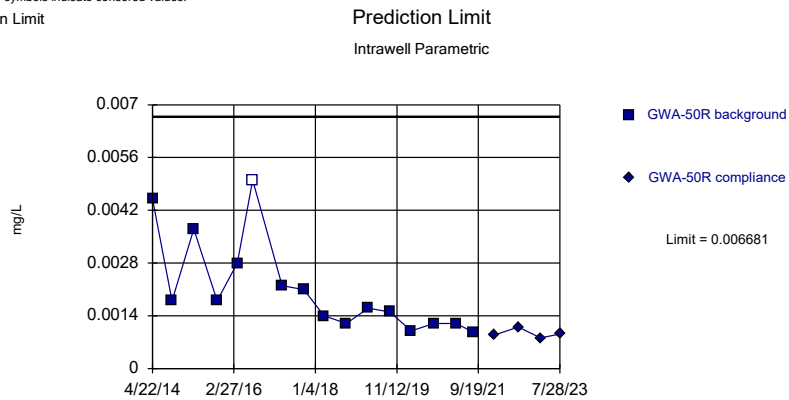
Within Limit



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

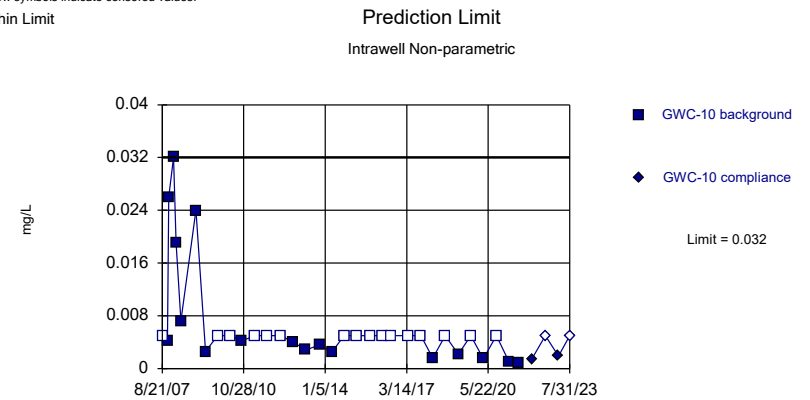
Within Limit



Background Data Summary (based on square root transformation): Mean=0.0445, Std. Dev.=0.01236, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8726, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

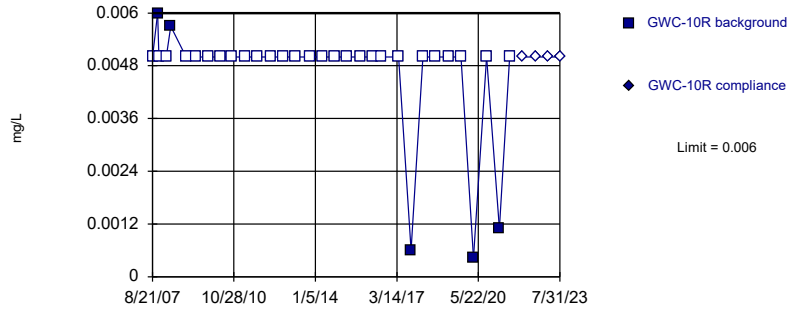


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

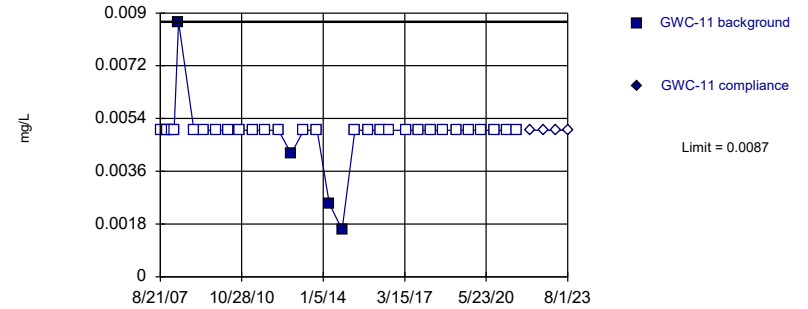


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

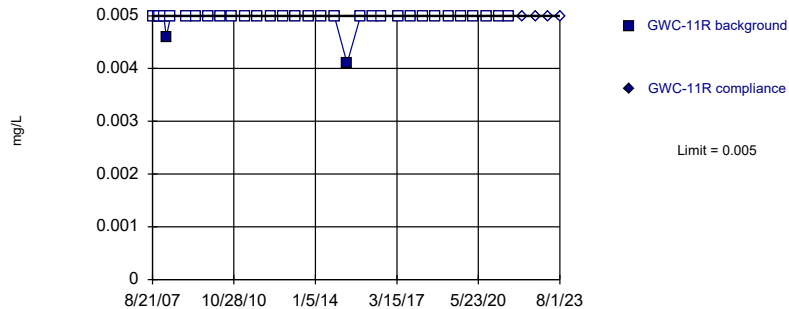


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 87.88% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

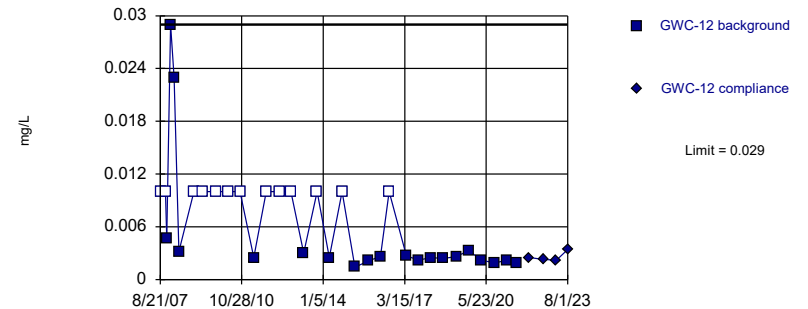


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.94% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

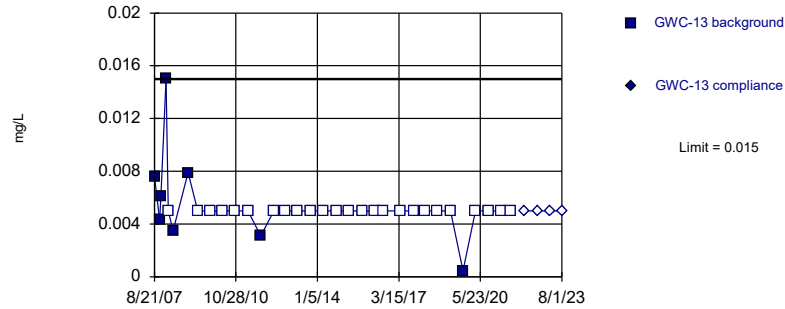


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 39.39% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

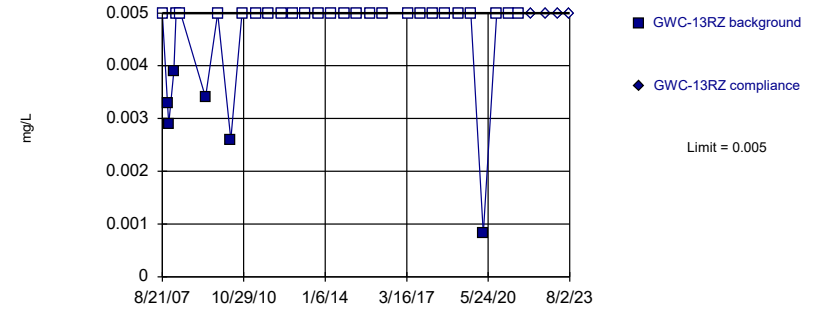


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 75.76% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

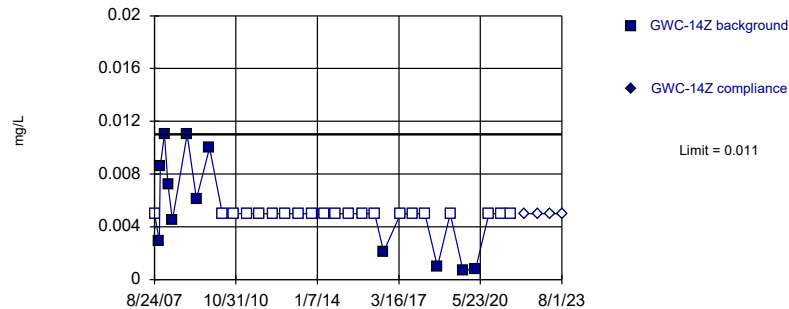


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 80.65% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

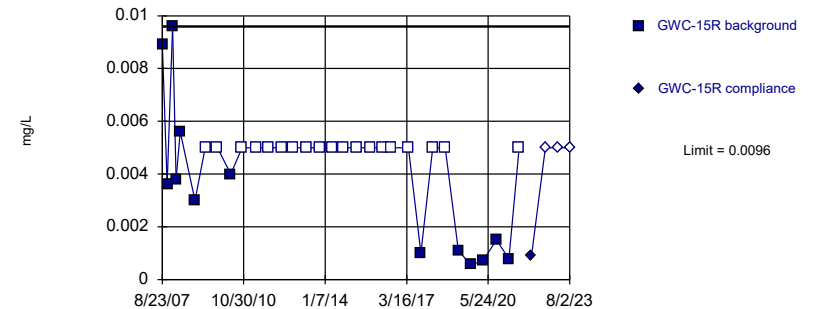


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

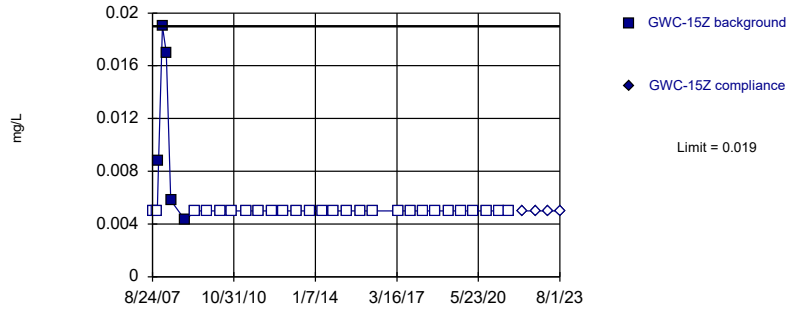


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 59.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

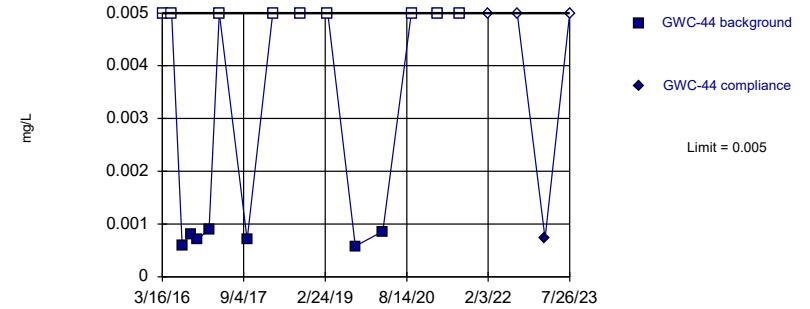


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

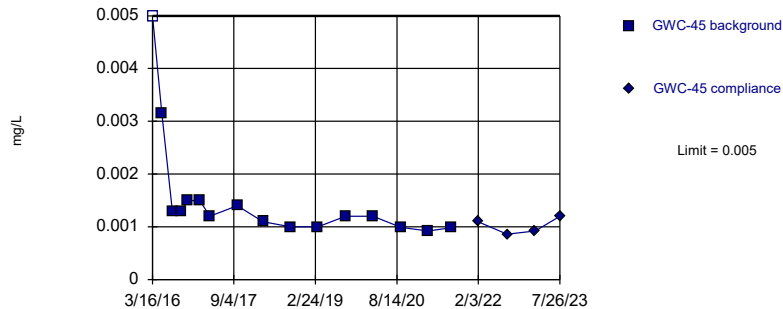


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

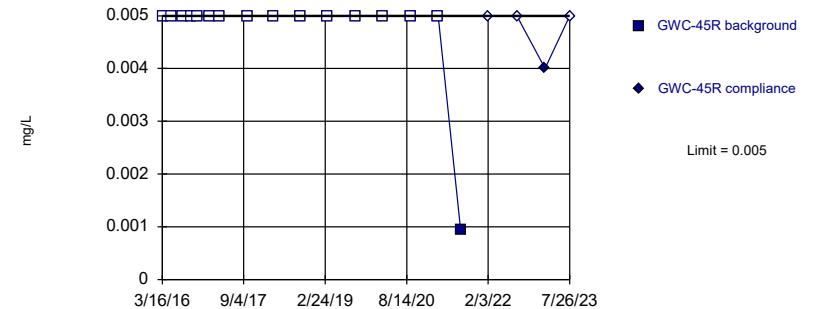


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 6.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

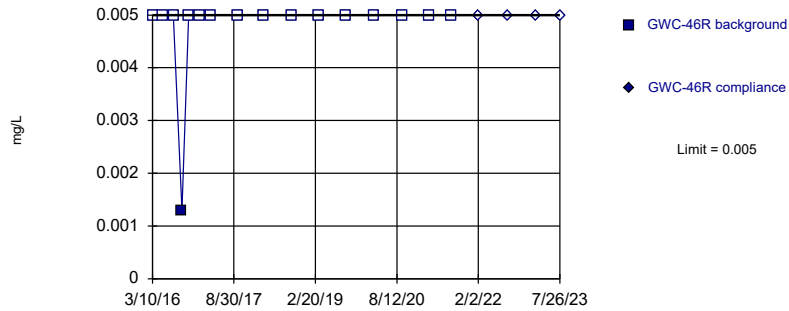


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

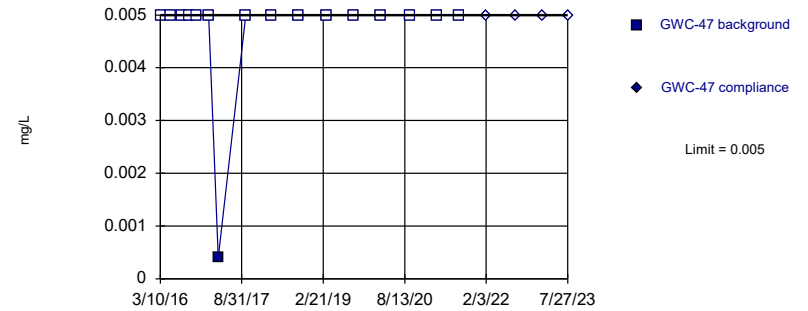


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

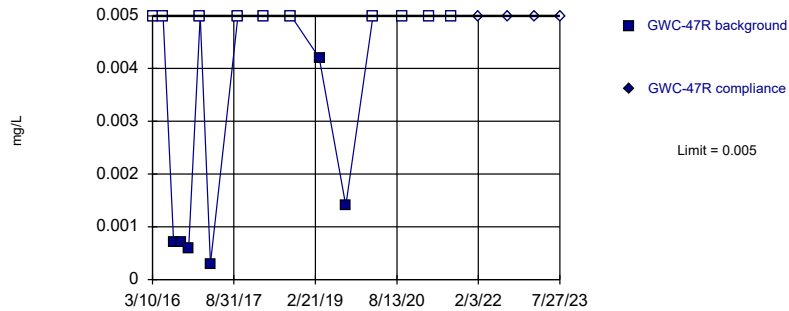


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

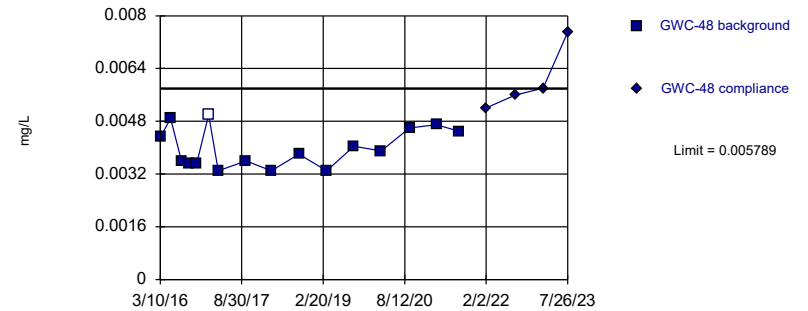


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

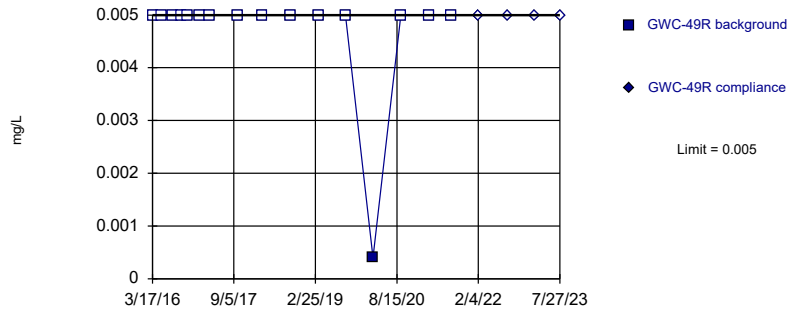


Background Data Summary: Mean=0.003991, Std. Dev.=0.0005964, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

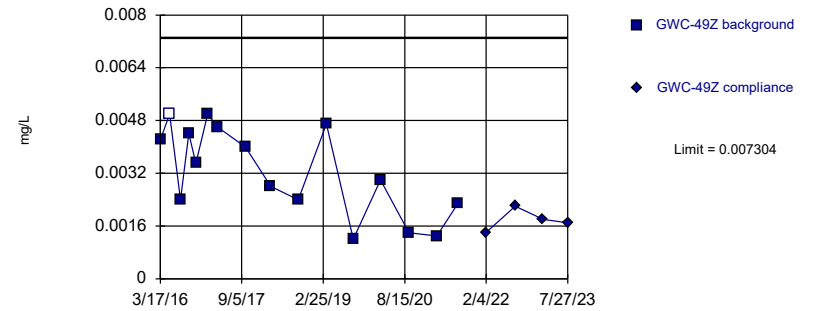


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

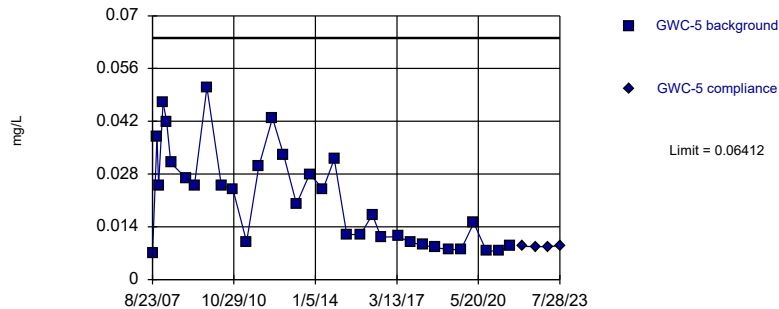


Background Data Summary: Mean=0.003263, Std. Dev.=0.001341, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9159, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

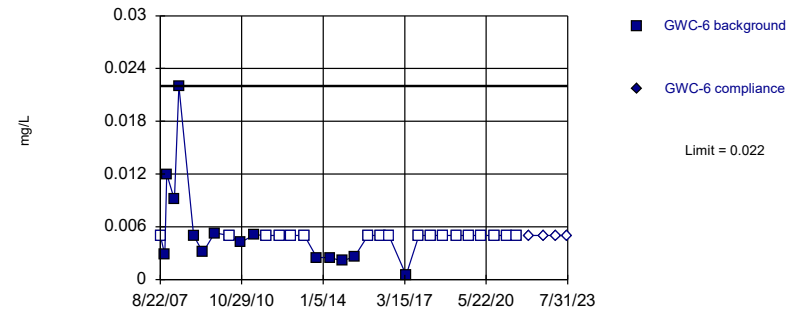


Background Data Summary (based on square root transformation): Mean=0.14, Std. Dev.=0.04382, n=33. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

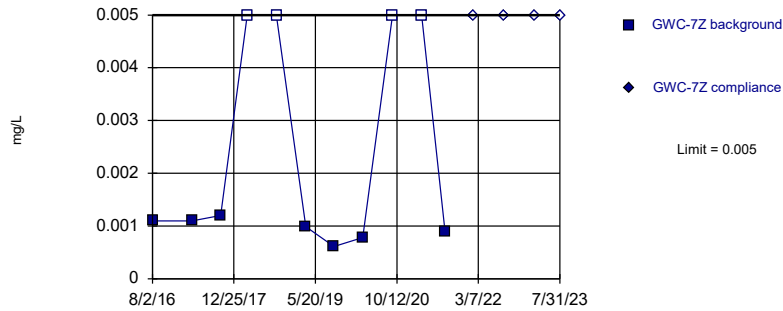


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

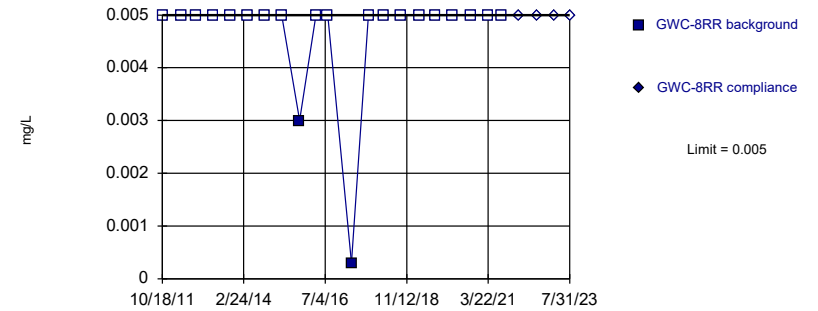


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 11 background values. 36.36% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

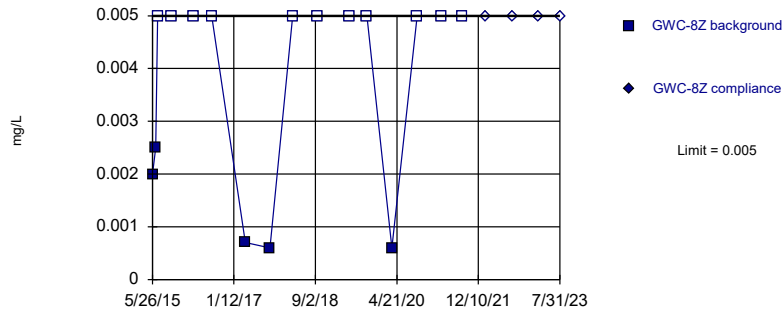


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

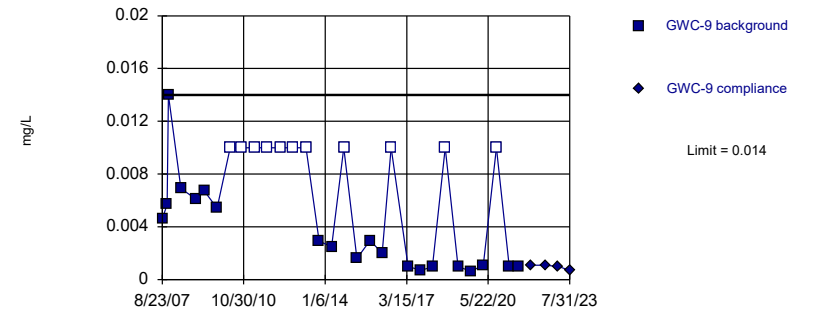


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

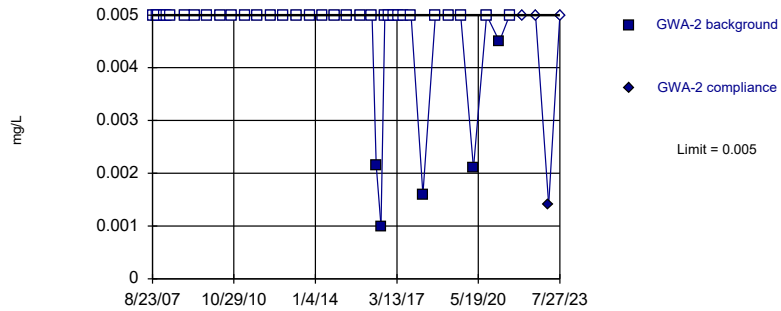


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 31 background values. 35.48% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

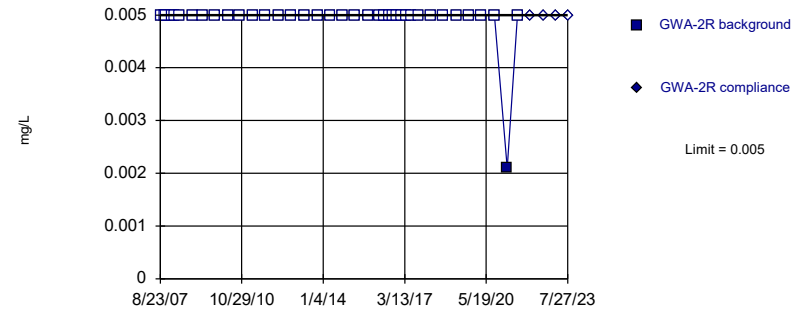


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 86.84% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

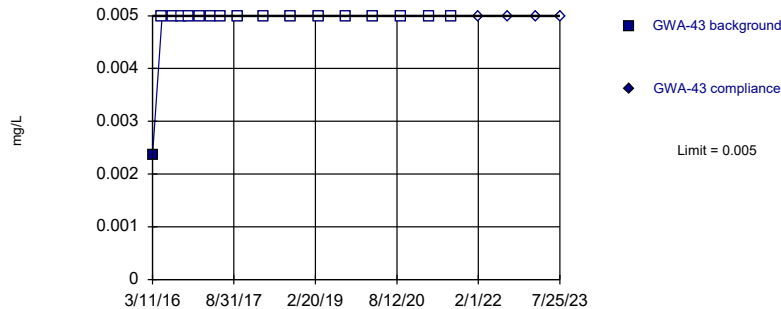


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

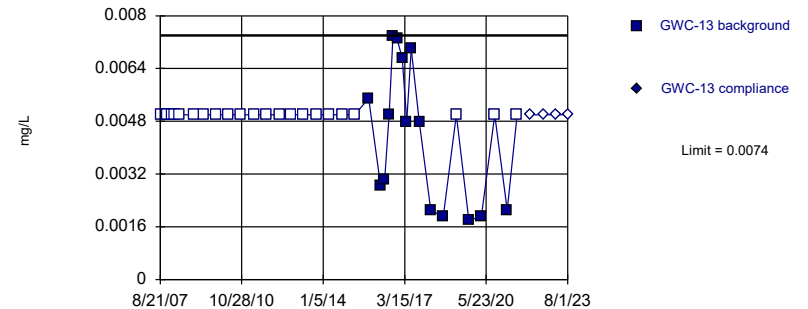


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.011179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

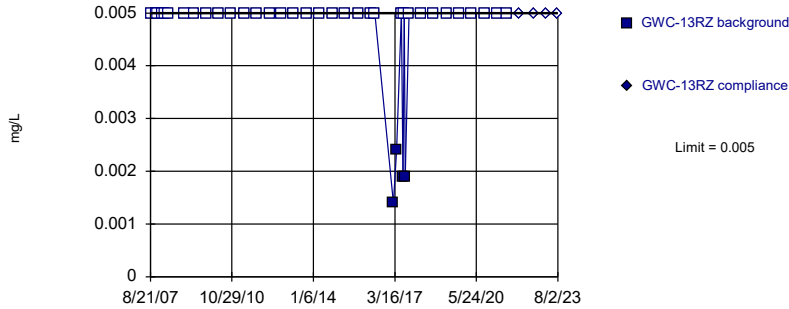


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 60.53% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

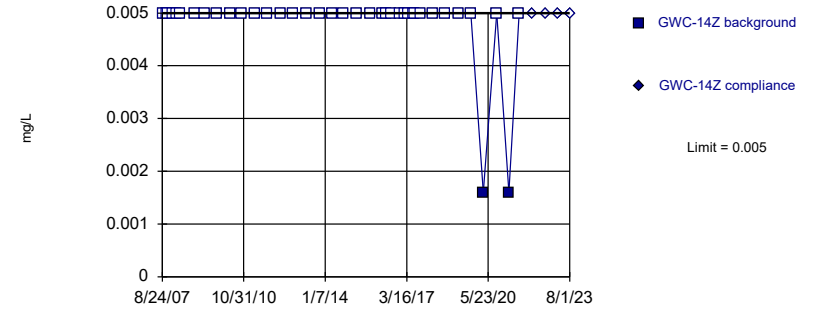


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

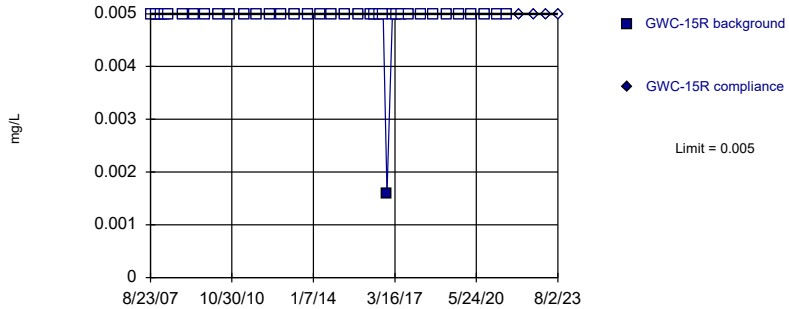


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 94.74% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

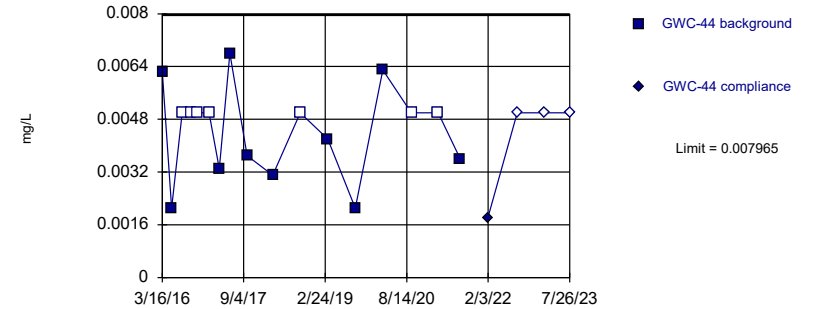


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

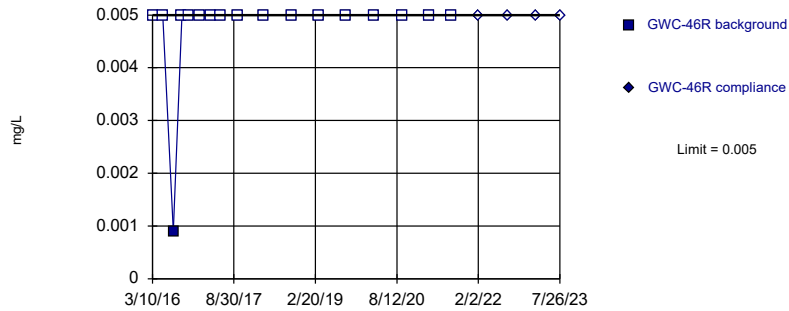


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003736, Std. Dev.=0.001425, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9301, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

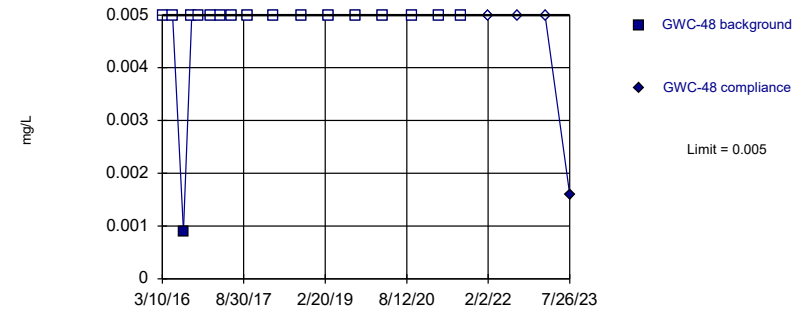


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

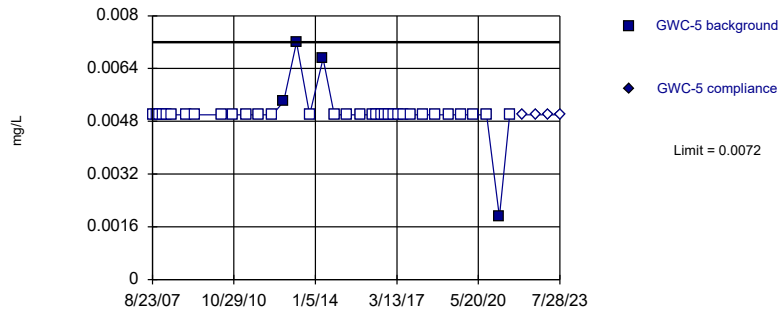


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

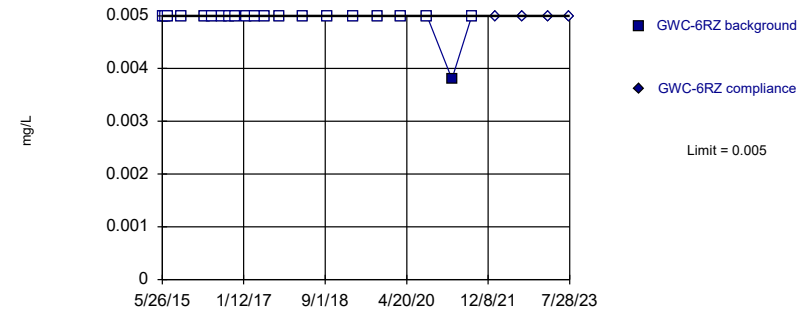


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 37 background values. 89.19% NDs. Well-constituent pair annual alpha = 0.002721. Individual comparison alpha = 0.001361 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

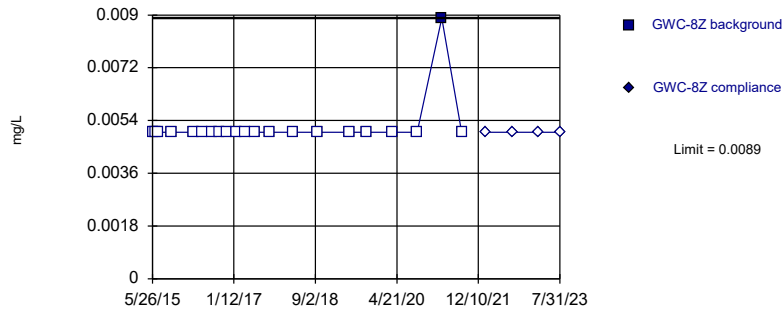


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

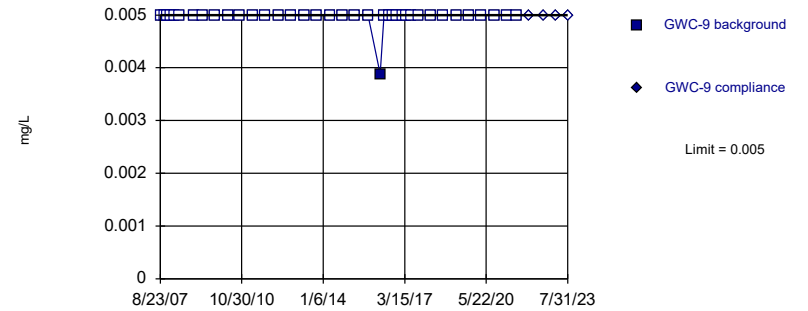


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

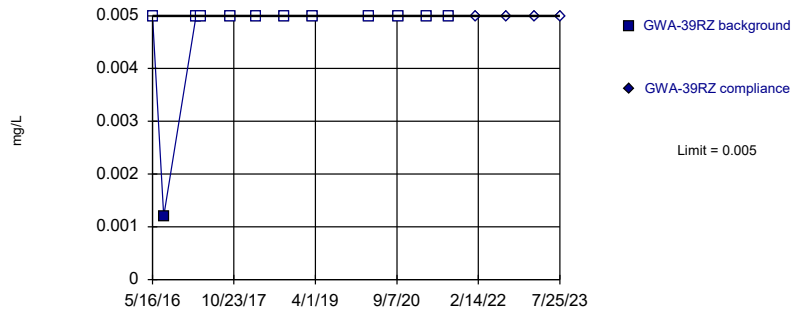


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 97.37% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

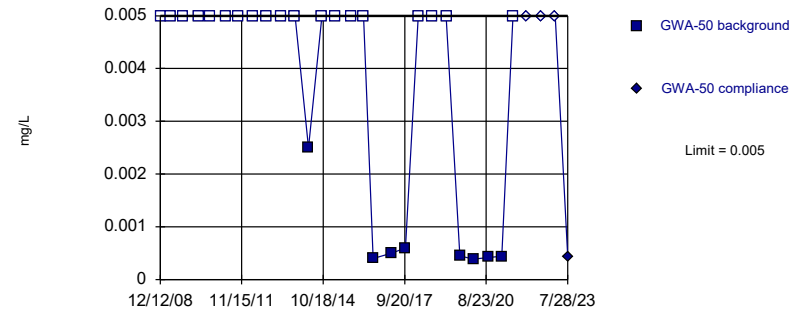


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 11:29 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

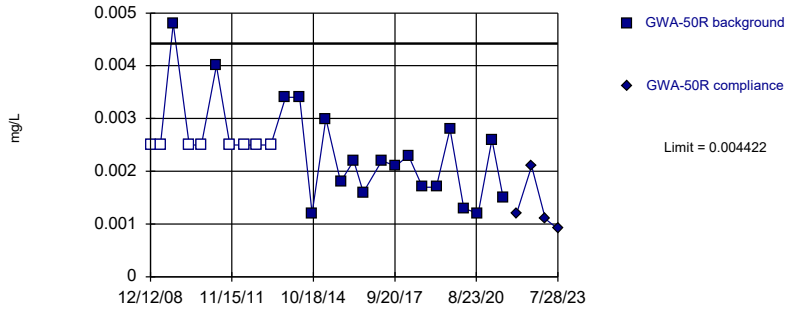


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

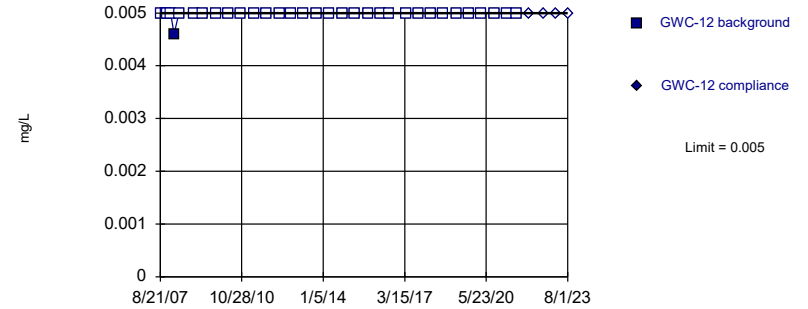


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002051, Std. Dev.=0.0008896, n=27, 29.63% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.894. Kappa = 2.666 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Silver Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

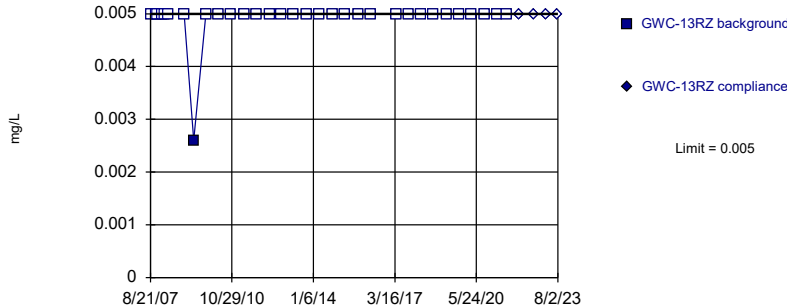


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 96.97% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

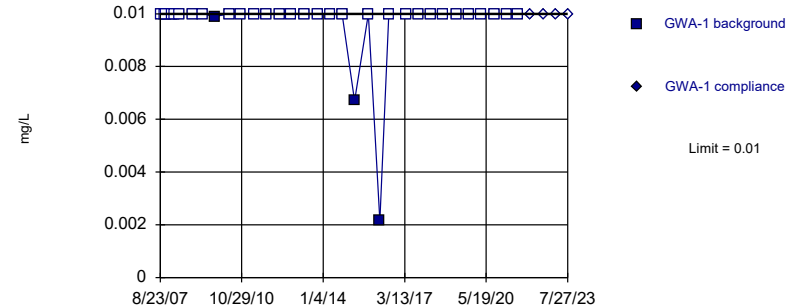


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

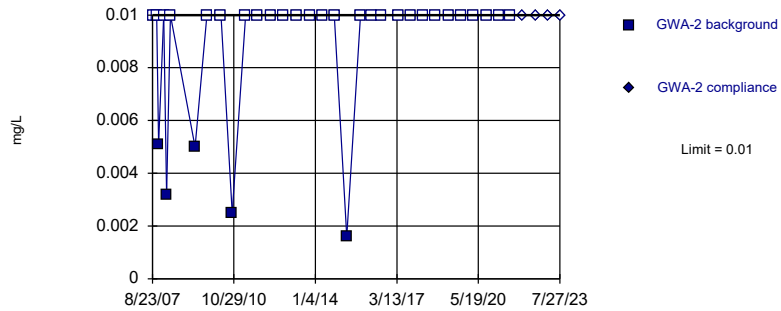


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

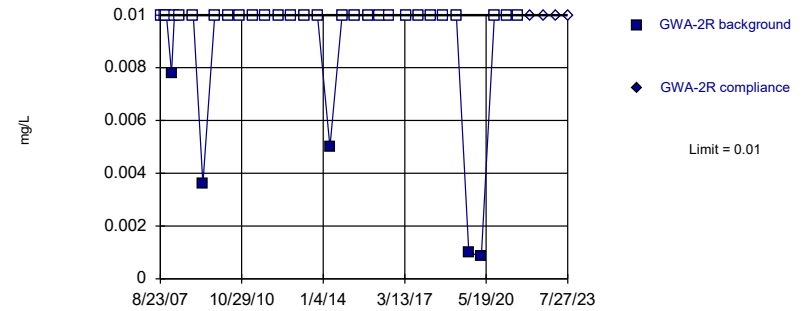


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 84.38% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

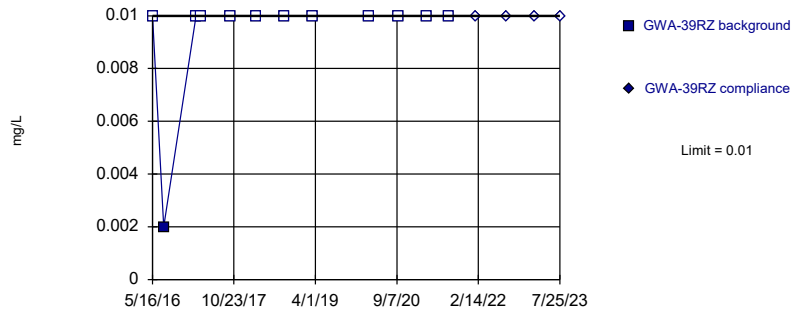


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

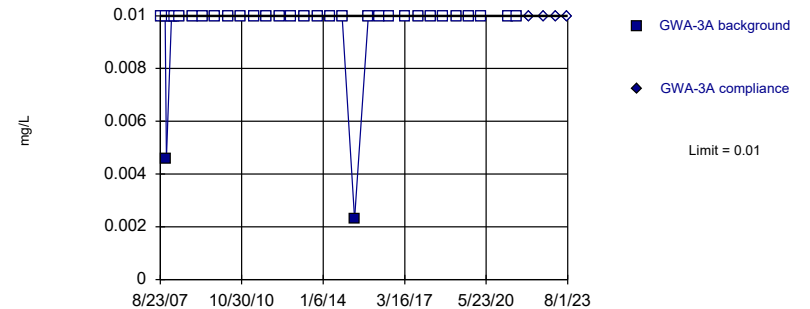


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

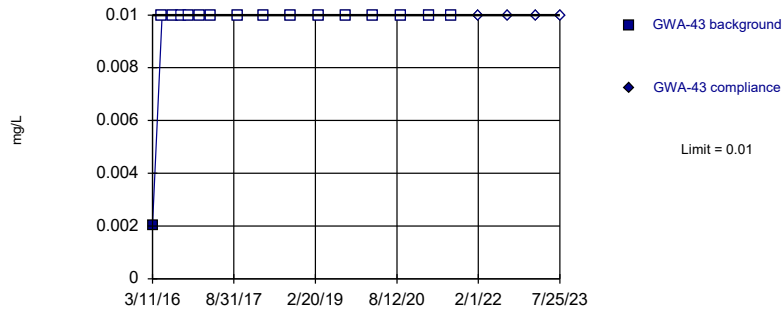


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

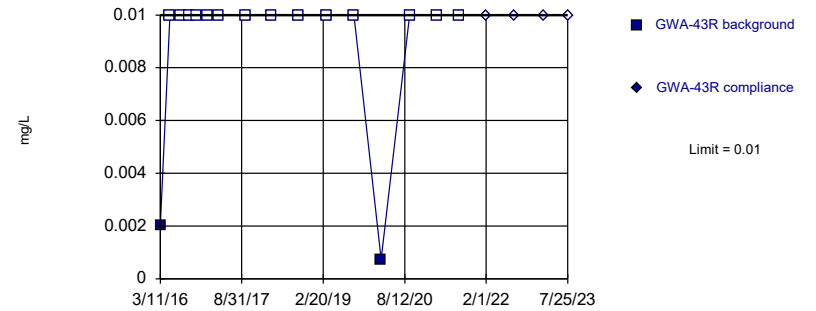


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

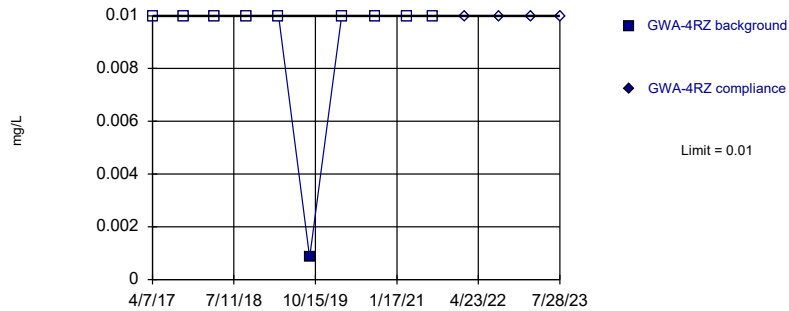


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

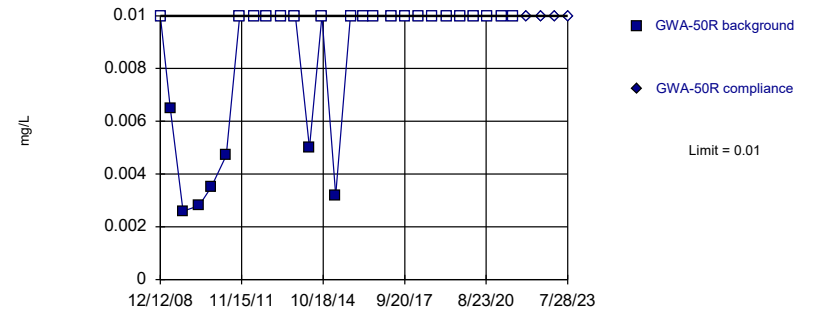


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 90% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

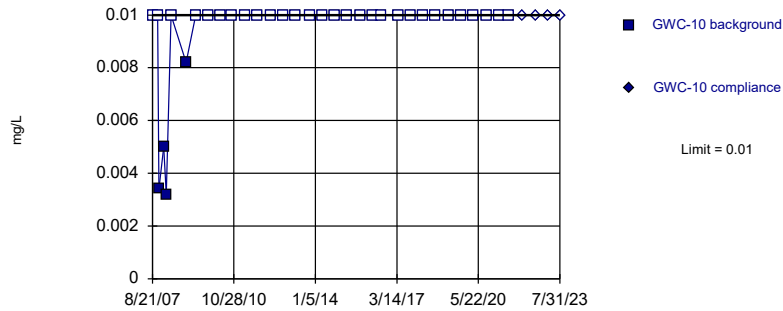


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

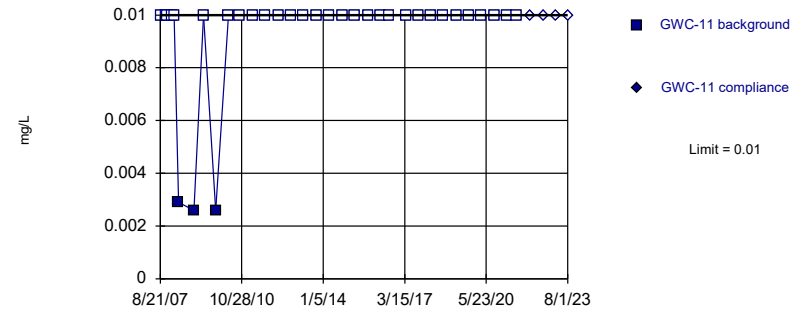


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 87.88% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

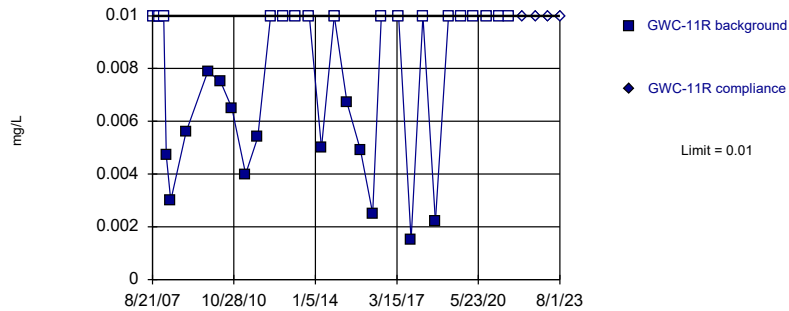


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

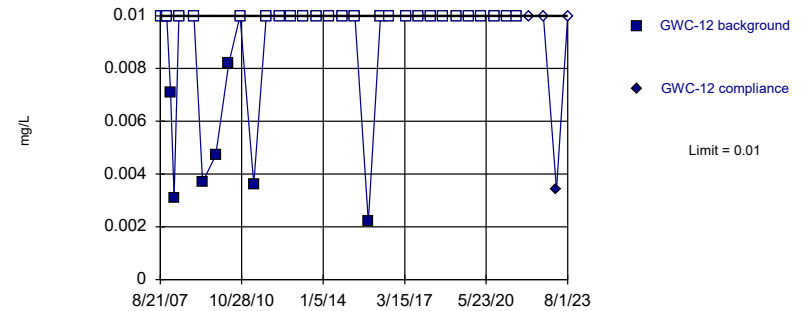


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

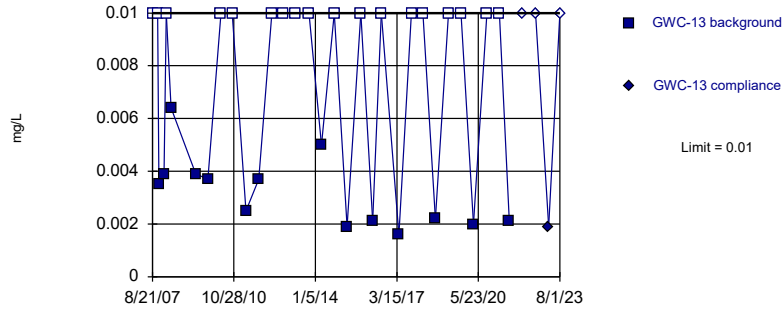


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 78.79% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

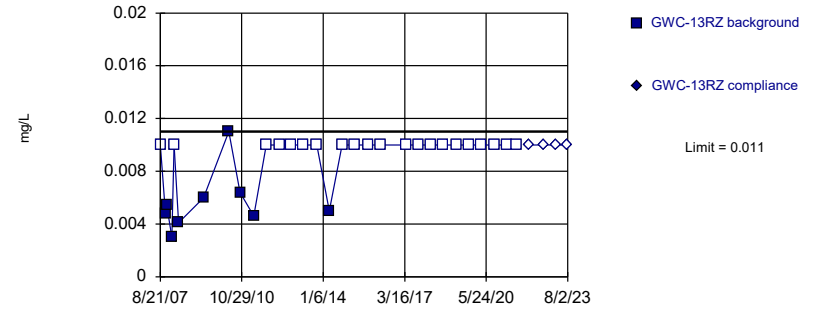


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

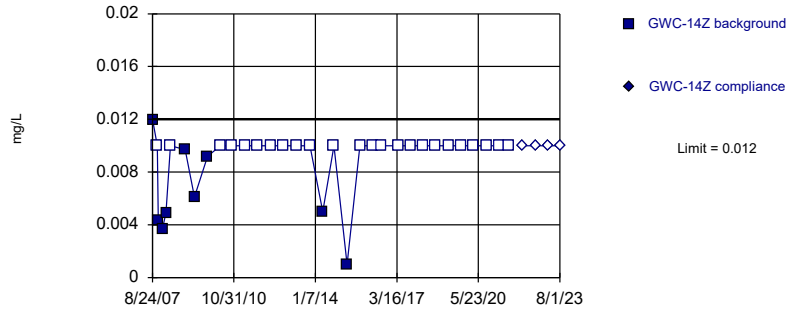


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 70% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

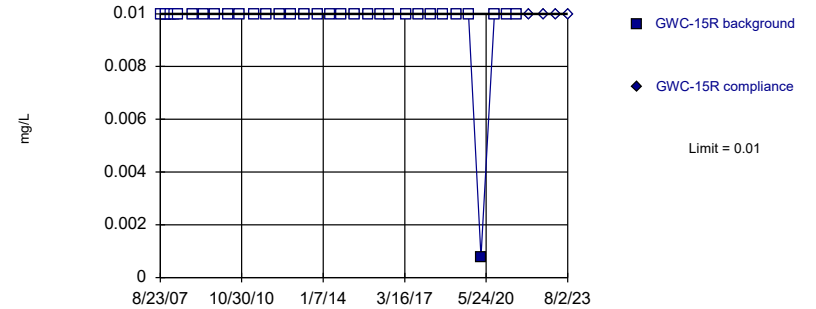


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

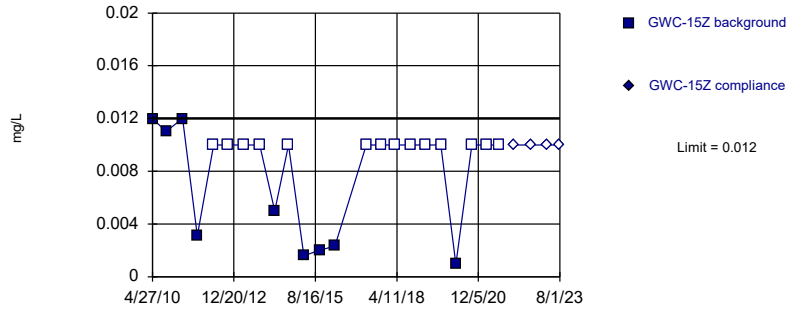


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 96.97% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

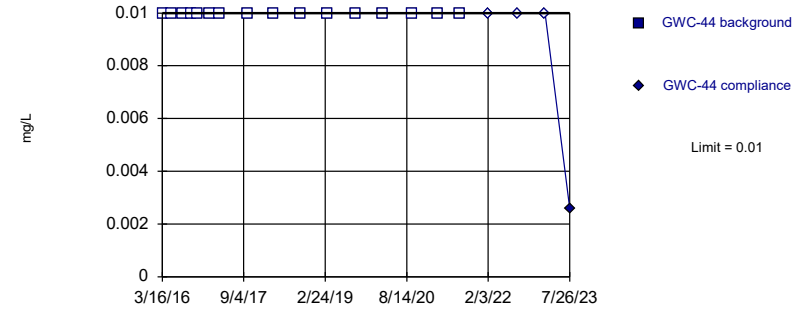


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

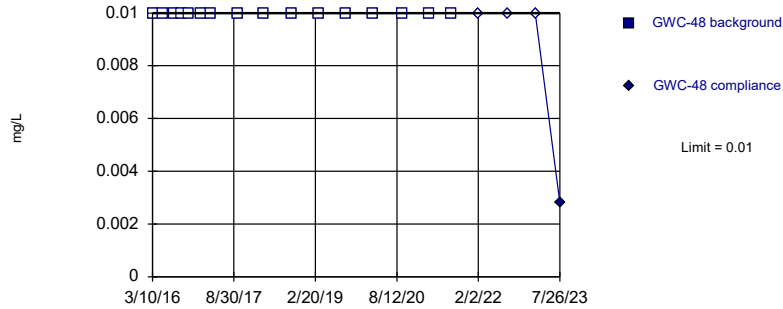
Within Limit

Prediction Limit
Intrawell Non-parametric



Within Limit

Prediction Limit
Intrawell Non-parametric

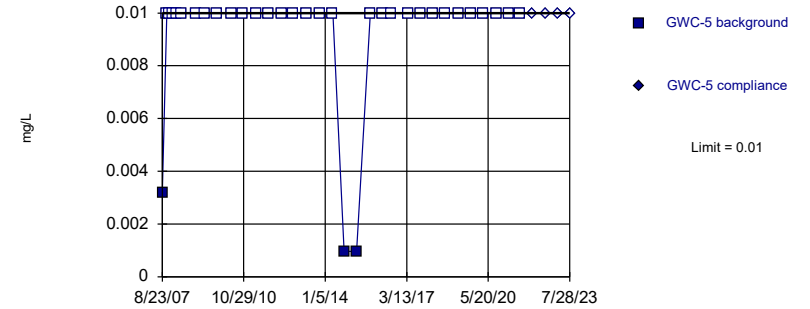


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

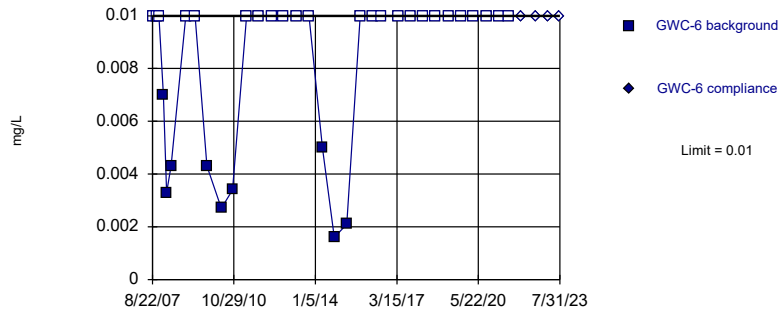


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

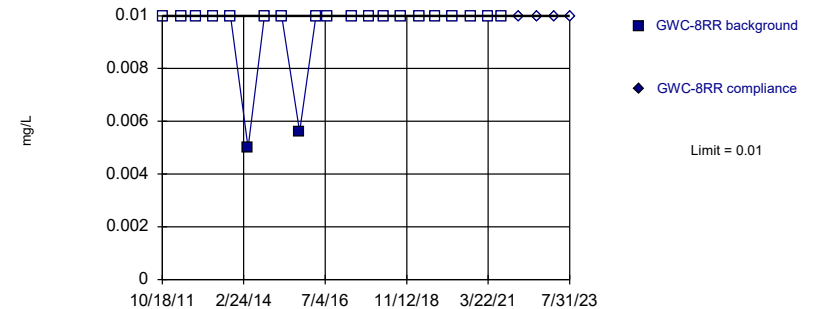


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

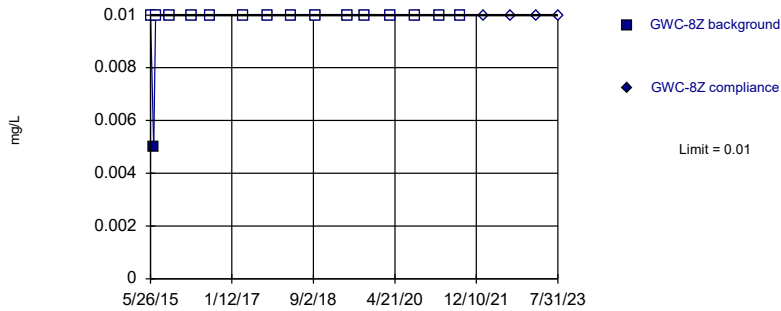


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

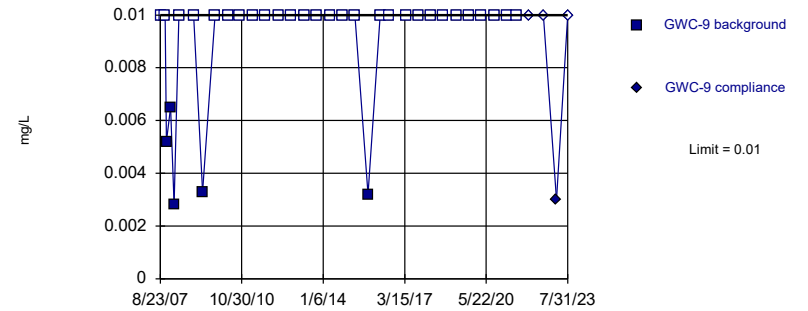


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

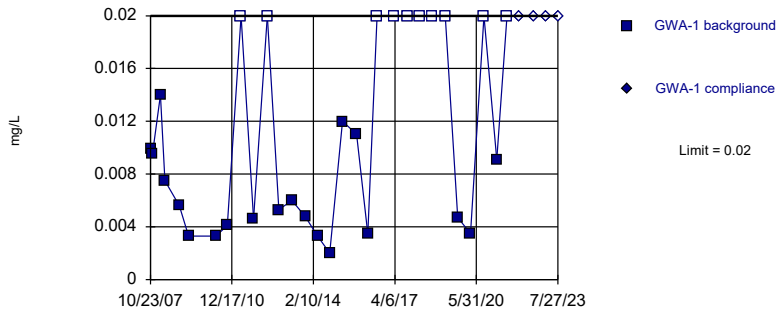


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 84.85% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

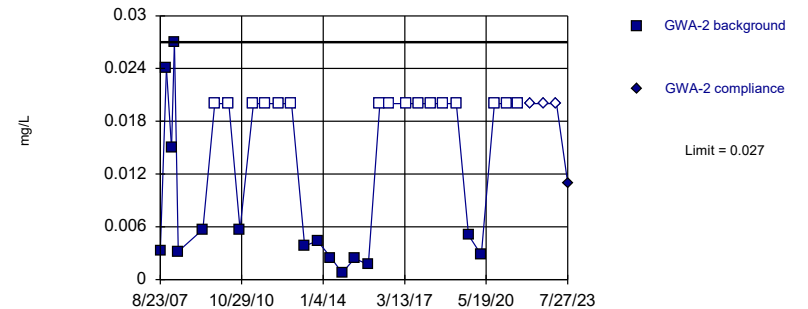


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

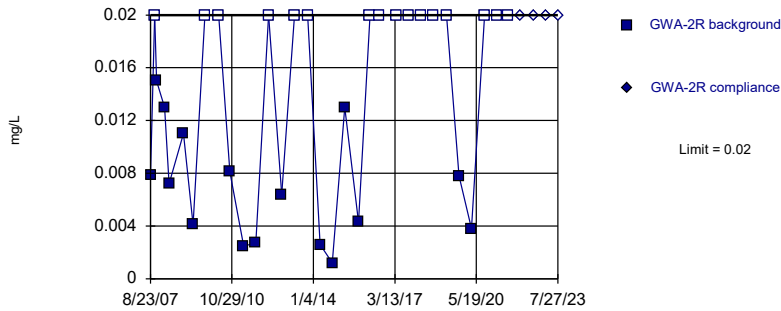


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 51.61% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

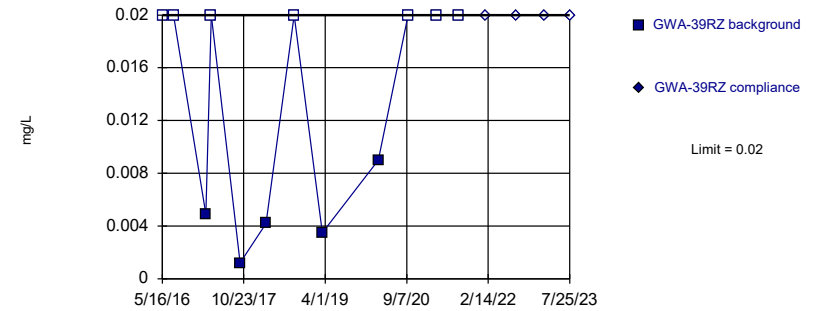


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. 50% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

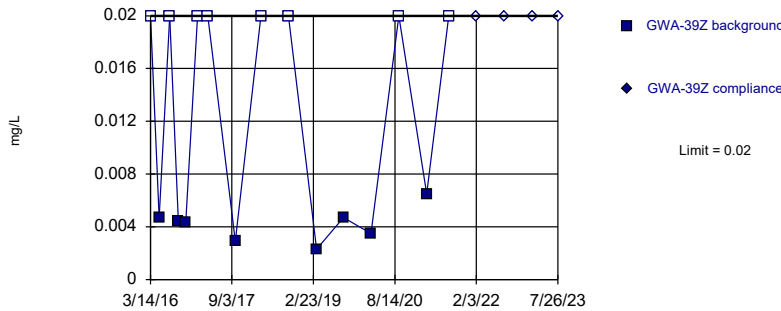


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 58.33% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

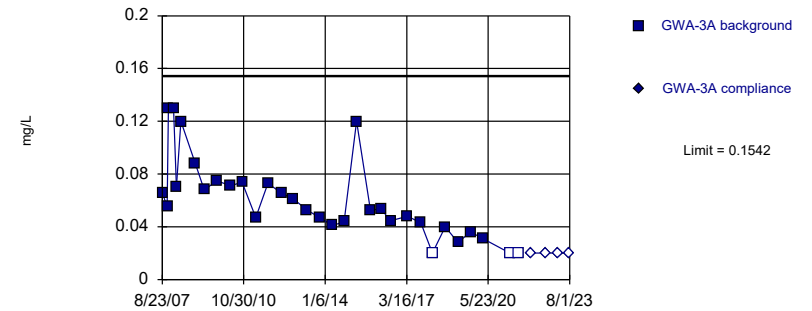


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

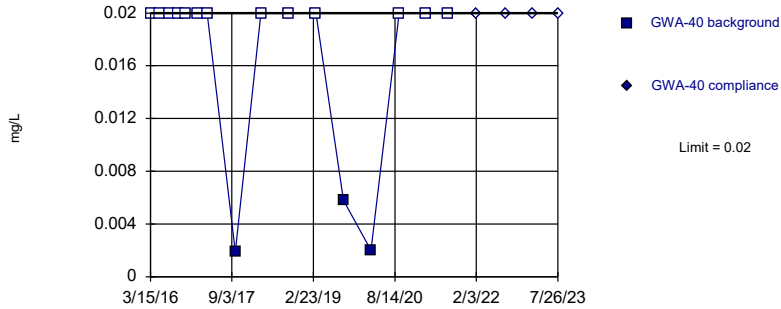


Background Data Summary (based on square root transformation): Mean=0.2389, Std. Dev.=0.05929, n=32, 9.375% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9426, critical = 0.904. Kappa = 2.595 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

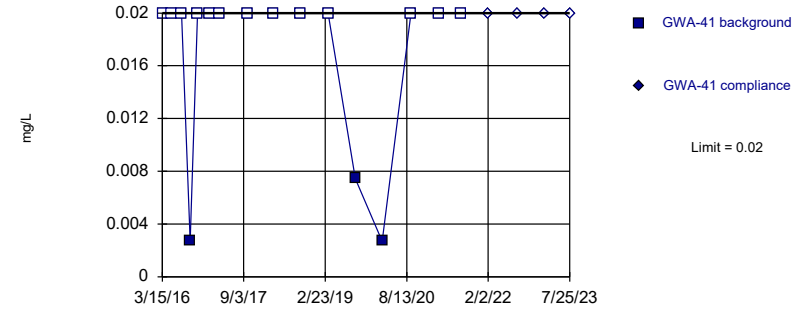


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

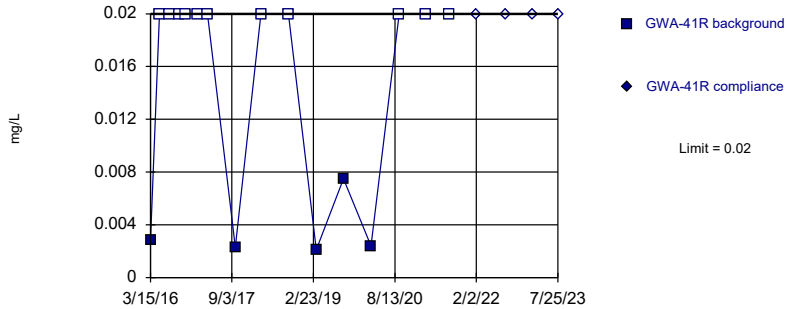


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

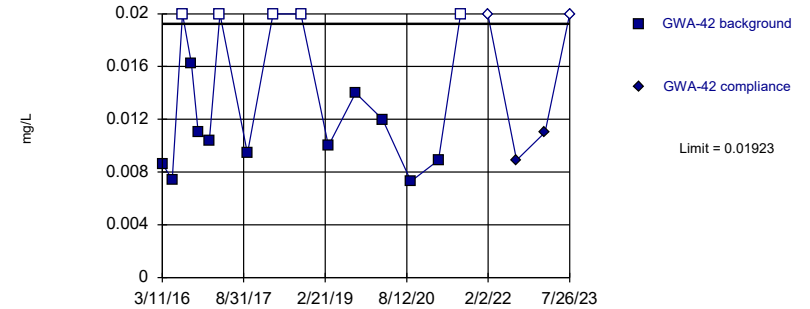


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

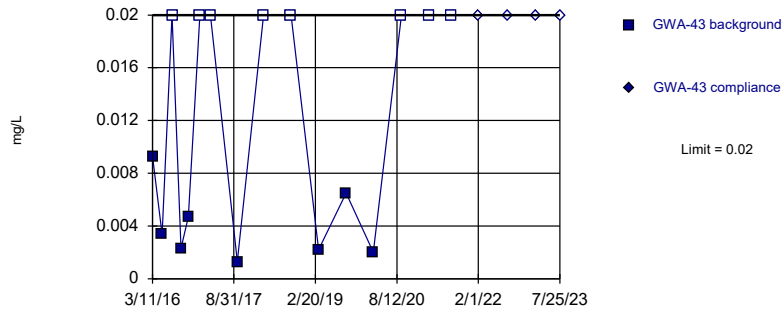


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1016, Std. Dev.=0.0123, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8574, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

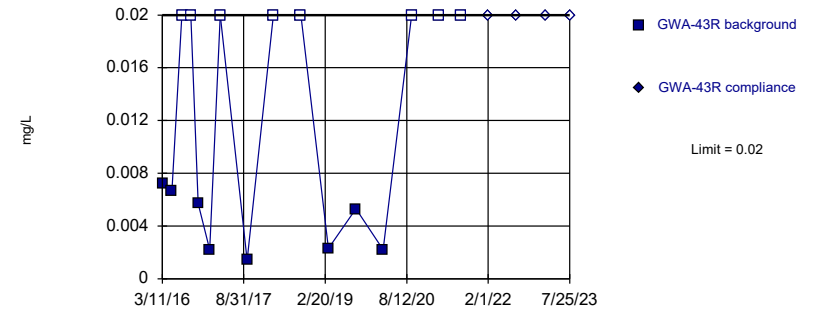


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

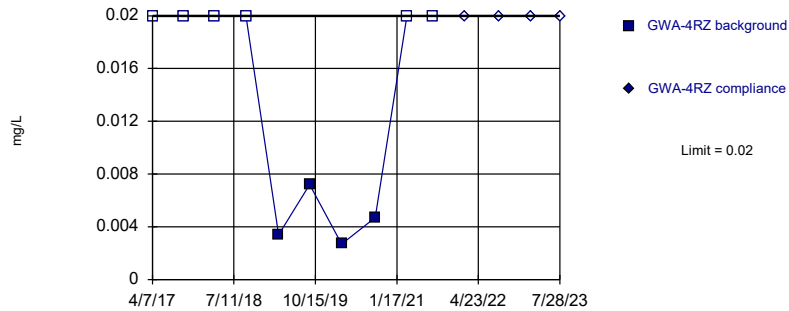


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

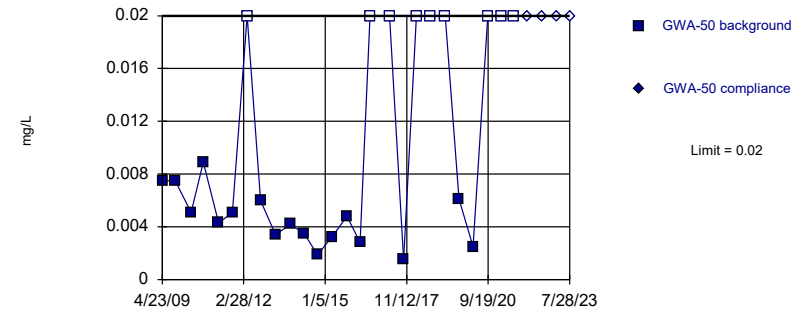


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

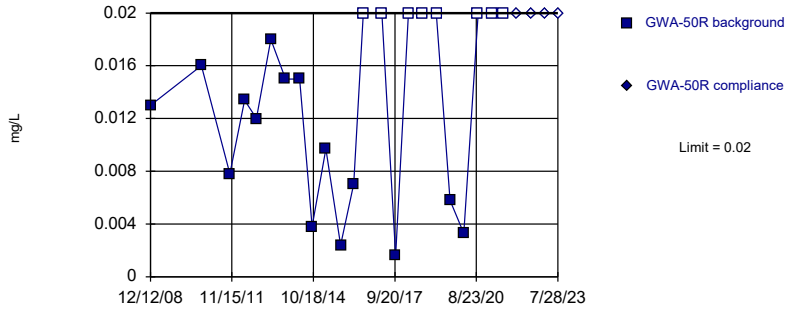


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 34.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

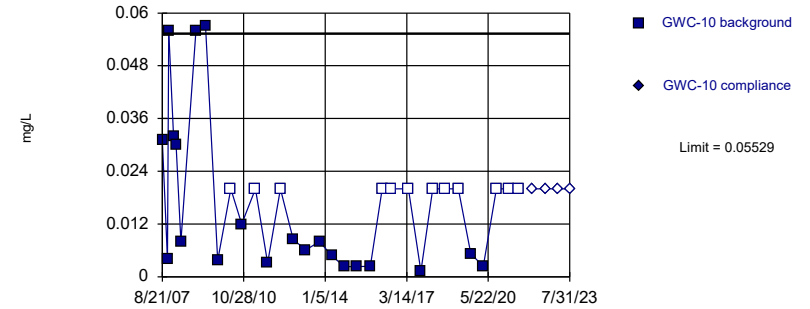


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 34.78% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

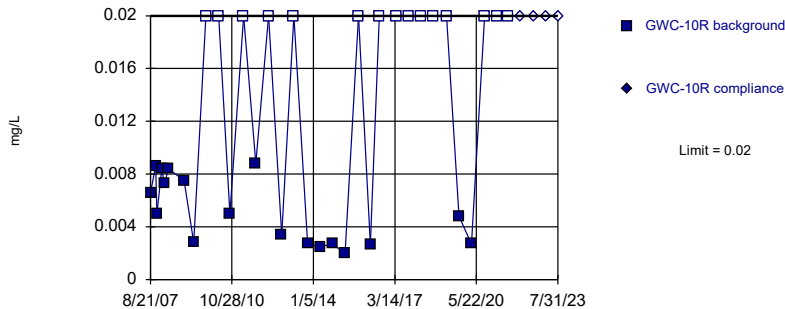


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1855, Std. Dev.=0.07566, n=33, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9194, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

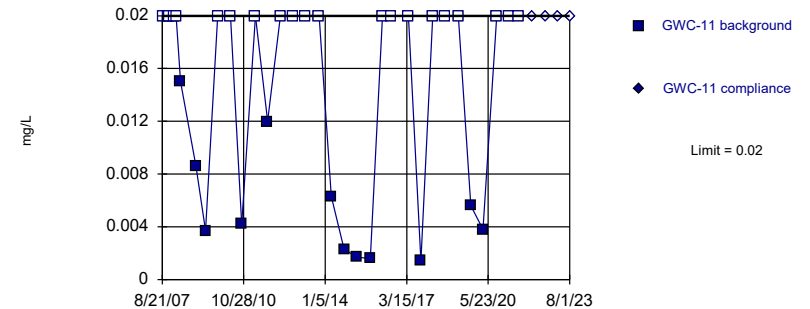


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 45.45% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

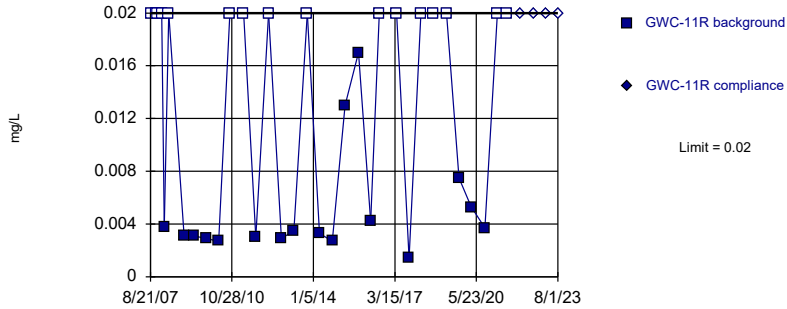


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 33 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

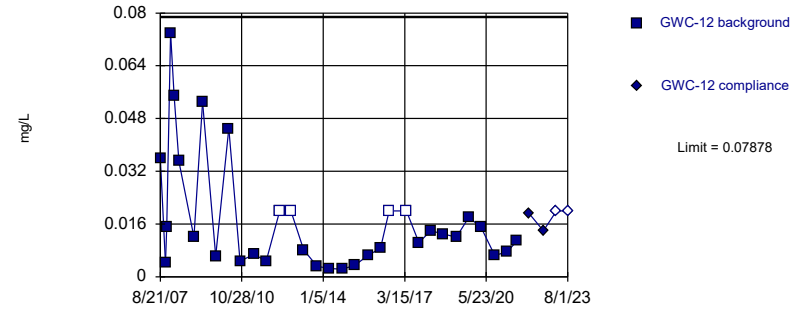


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 33 background values. 48.48% NDs. Well-constituent pair annual alpha = 0.003399. Individual comparison alpha = 0.001701 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

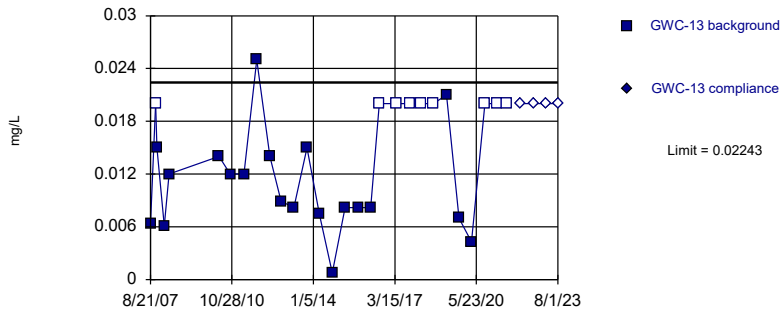


Background Data Summary (based on cube root transformation): Mean=0.2369, Std. Dev.=0.07422, n=33, 12.12% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9317, critical = 0.906. Kappa = 2.584 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

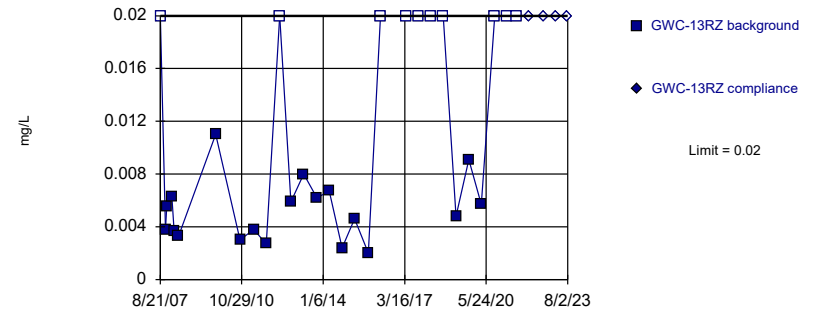


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00862, Std. Dev.=0.005244, n=29, 31.03% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

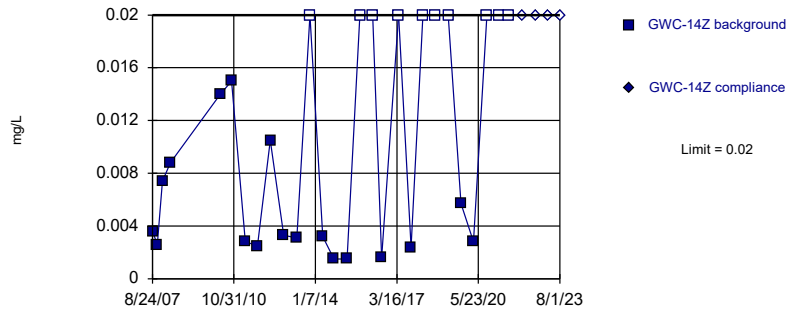


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 34.48% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

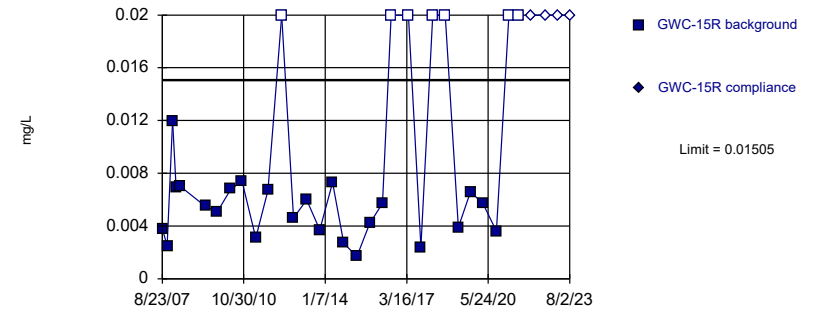


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

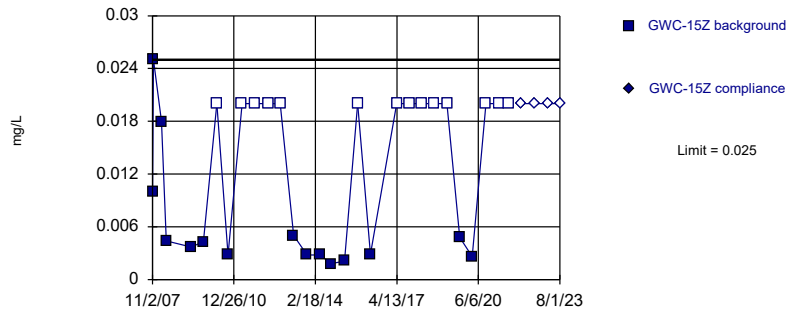


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.351, Std. Dev.=0.4432, n=31, 22.58% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9071, critical = 0.902. Kappa = 2.606 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

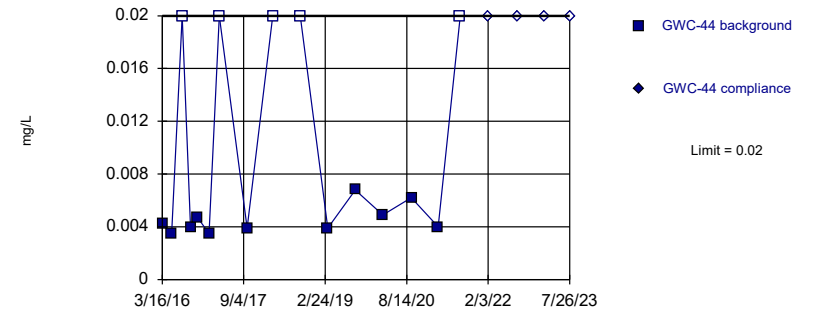


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 48.28% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:30 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

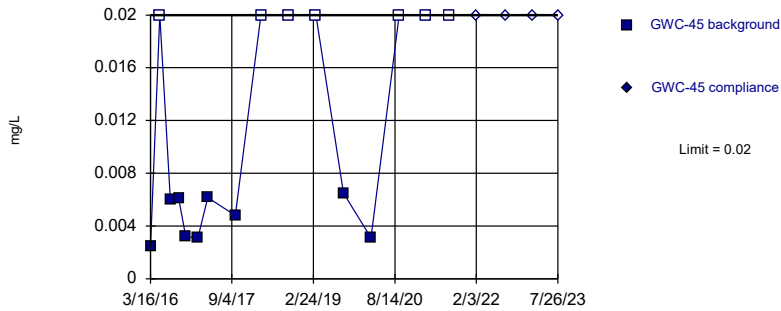


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 31.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

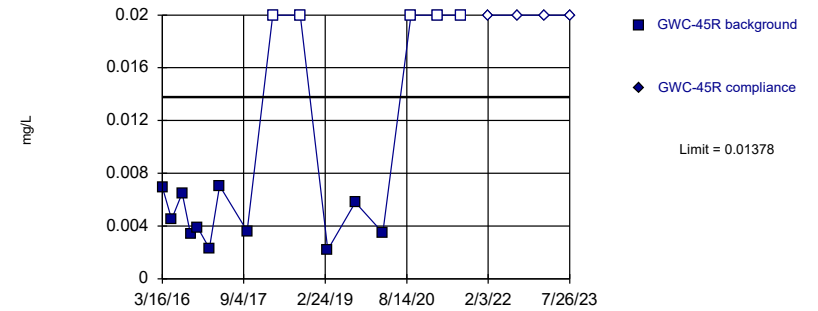


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

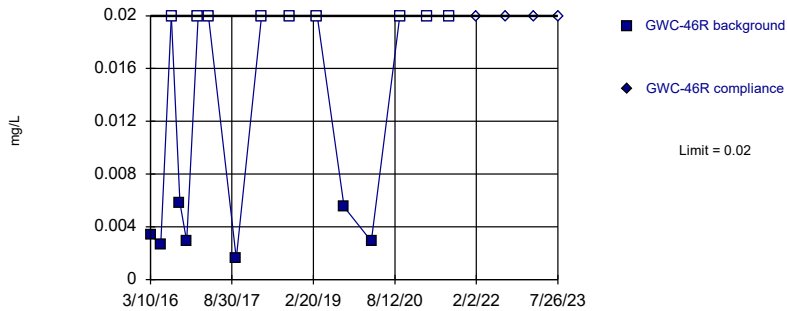


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.474, Std. Dev.=0.3946, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8605, critical = 0.844. Kappa = 3.014 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

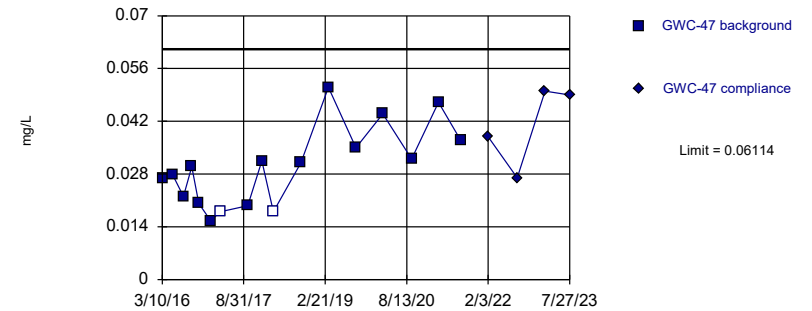


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



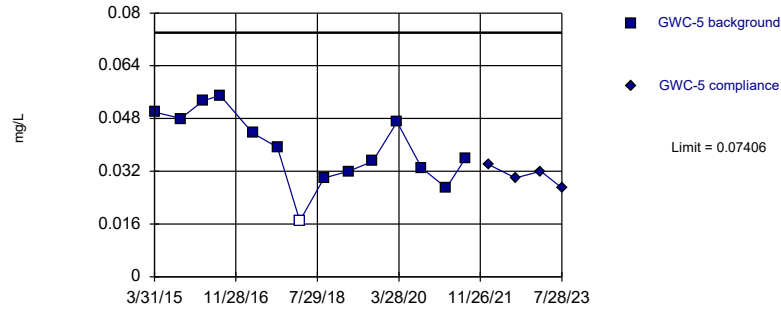
Background Data Summary: Mean=0.02981, Std. Dev.=0.01056, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9401, critical = 0.851. Kappa = 2.968 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



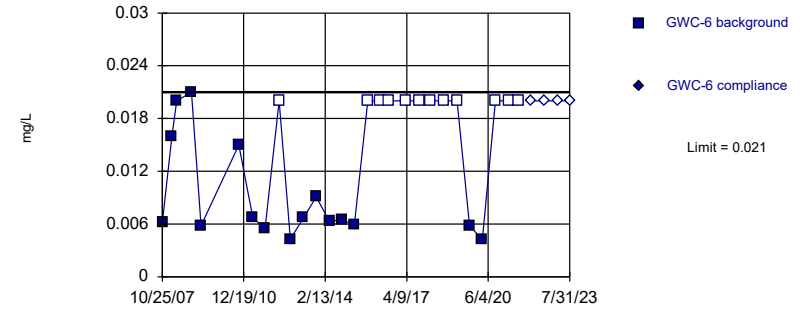
Background Data Summary: Mean=0.03902, Std. Dev.=0.01099, n=14, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.825. Kappa = 3.189 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



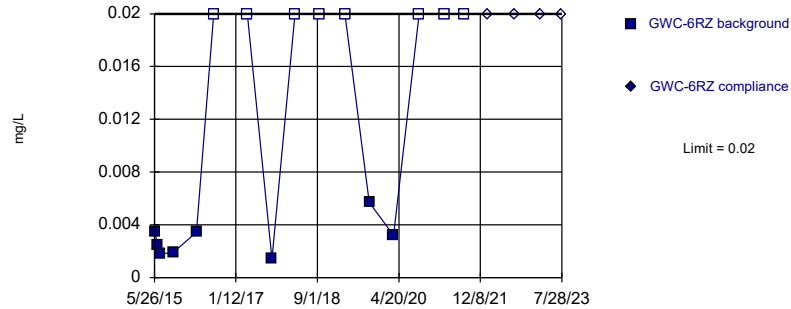
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric



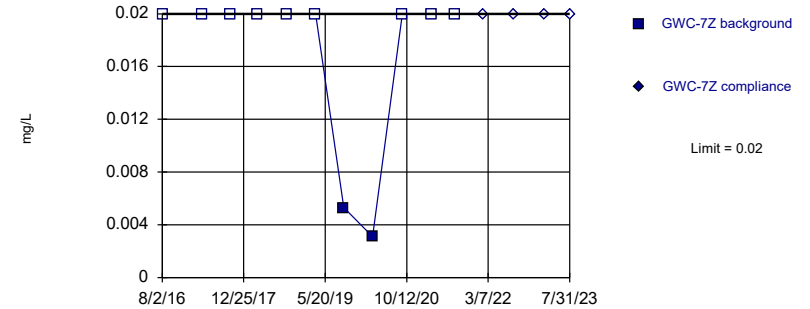
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Non-parametric

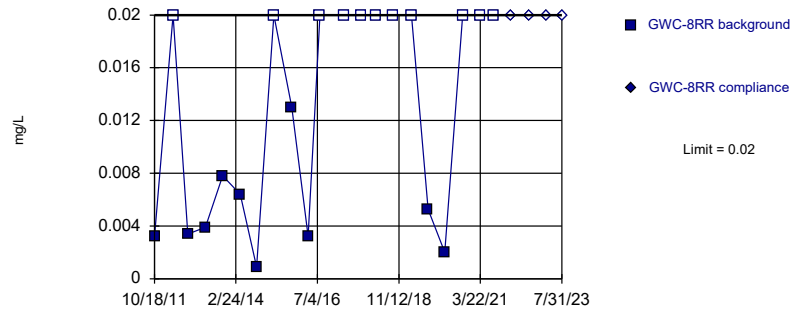


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.02537. Individual comparison alpha = 0.01276 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

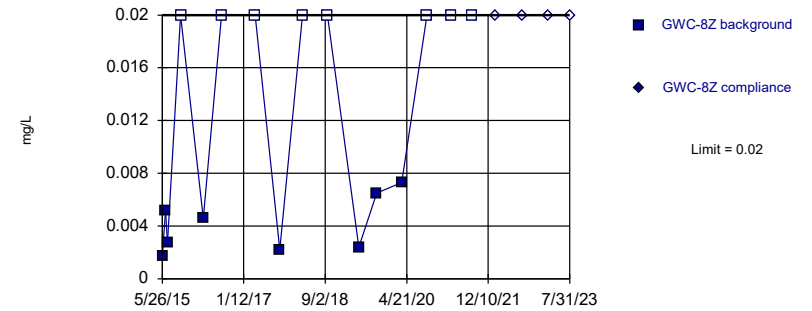


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Non-parametric

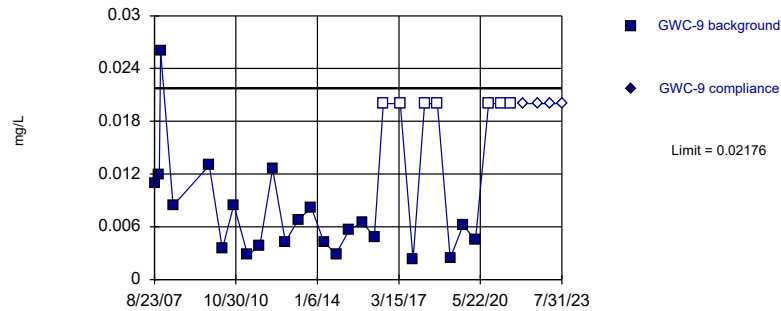


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 50% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07971, Std. Dev.=0.02575, n=29, 24.14% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8999, critical = 0.898. Kappa = 2.633 (c=16, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001266.

Constituent: Zinc Analysis Run 9/11/2023 11:31 AM View: Appendix I Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.003	
10/23/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/7/2009	<0.003	
5/3/2010	<0.003	
10/12/2010	<0.003	
4/27/2011	<0.003	
10/17/2011	0.0054	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/12/2013	0.0058	
10/16/2013	0.01	
4/11/2014	0.005 (J)	
9/30/2014	0.0068	
3/30/2015	0.0074	
10/13/2015	0.017 (O)	
3/22/2016	0.00567	
5/19/2016	0.00319	
7/29/2016	0.0025 (J)	
9/23/2016	0.0051	
11/9/2016	0.0097 (J)	
1/30/2017	0.0032	
3/30/2017	0.0028 (J)	
6/9/2017	<0.003	
10/2/2017	0.0014 (J)	
3/16/2018	0.0014 (J)	
9/17/2018	0.00105 (JD)	
3/20/2019	<0.003	
9/12/2019	0.0037	
3/11/2020	0.00079 (J)	
9/15/2020	0.0061	
3/16/2021	0.0014 (J)	
8/9/2021	0.0027 (J)	
2/1/2022		0.0028 (J)
8/16/2022		0.0084
2/16/2023		0.016
7/27/2023		0.011

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.003	
10/24/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/4/2008	<0.003	
4/21/2009	<0.003	
10/8/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	0.0053	
10/9/2012	<0.003	
4/11/2013	0.0075	
10/16/2013	<0.003	
4/10/2014	0.0081	
9/30/2014	0.0022 (J)	
3/30/2015	0.011	
10/13/2015	0.0045 (J)	
3/23/2016	0.00281 (J)	
5/19/2016	0.00264 (J)	
7/29/2016	0.0069	
9/22/2016	0.0066	
11/10/2016	<0.003	
1/31/2017	0.0064	
4/3/2017	0.0049	
6/9/2017	<0.003	
10/2/2017	0.0045	
3/16/2018	0.021 (O)	
9/14/2018	0.0054	
3/19/2019	0.0019 (J)	
9/13/2019	0.0044	
3/11/2020	0.002 (J)	
9/15/2020	0.0037	
3/16/2021	0.005	
8/9/2021	0.0033	
2/1/2022		0.0029 (J)
8/16/2022		0.002 (J)
2/16/2023		0.0048
7/27/2023		0.0095

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.003 (D)	
7/27/2016	0.0003 (JD)	
2/21/2017	0.0057	
3/27/2017	0.0013 (JD)	
6/8/2017	<0.003 (*)	
7/17/2017	0.005 (D)	
7/27/2017	0.0033	
8/9/2017	0.0012 (J)	
9/29/2017	0.0013 (JD)	
3/16/2018	0.0078	
9/14/2018	0.0056	
3/14/2019	0.014 (O)	
3/9/2020	0.0013 (J)	
9/16/2020	0.0028 (J)	
3/16/2021	0.00041 (J)	
8/6/2021	<0.003	
2/2/2022		<0.003
8/16/2022		0.001 (J)
2/14/2023		0.0019 (J)
7/25/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.003	
5/11/2016	0.000839 (J)	
7/19/2016	0.0024 (J)	
9/15/2016	0.0009 (J)	
11/2/2016	0.001 (J)	
1/18/2017	0.0017 (J)	
3/28/2017	0.0006 (J)	
6/7/2017	0.0003 (J)	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/15/2019	<0.003	
9/9/2019	0.00079 (J)	
3/9/2020	0.0011 (J)	
9/10/2020	0.0003 (J)	
3/12/2021	0.0039	
8/4/2021	0.00083 (J)	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		0.00087 (J)
7/26/2023		0.0028 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/31/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/5/2008	<0.003	
4/15/2009	<0.003	
10/8/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/21/2011	<0.003	
10/13/2011	<0.003	
5/1/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/4/2014	0.0031 (J)	
3/31/2015	0.0068	
10/12/2015	<0.003	
3/23/2016	0.0035	
5/23/2016	<0.003	
7/29/2016	0.0029 (J)	
9/22/2016	0.0041	
11/10/2016	0.0048 (J)	
1/31/2017	<0.003	
3/30/2017	0.001 (J)	
6/12/2017	<0.003	
10/4/2017	0.0009 (J)	
3/19/2018	0.0019 (J)	
9/17/2018	0.0011 (J)	
3/20/2019	0.0019 (J)	
9/13/2019	0.0013 (J)	
3/11/2020	0.0045	
3/29/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/16/2022		<0.003
2/17/2023		<0.003
8/1/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.003	
5/11/2016	<0.003	
7/21/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	0.0021 (J)	
1/17/2017	<0.003	
3/24/2017	<0.003	
5/24/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/9/2019	<0.003	
3/9/2020	<0.003	
9/11/2020	<0.003	
3/10/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		0.0014 (J)
8/12/2022		<0.003
2/13/2023		<0.003
7/26/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.003	
5/12/2016	<0.003	
7/20/2016	<0.003	
9/15/2016	<0.003	
11/3/2016	<0.003	
1/18/2017	<0.003	
3/24/2017	<0.003	
6/6/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/14/2019	<0.003	
9/10/2019	<0.003 (D)	
3/6/2020	<0.003	
9/10/2020	<0.003	
3/11/2021	0.00038 (J)	
8/4/2021	<0.003	
1/31/2022		<0.003
8/11/2022		<0.003
2/13/2023		<0.003
7/25/2023		0.0029 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.003	
5/13/2016	<0.003	
7/21/2016	<0.003 (*)	
9/21/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	0.0008 (J)	
6/6/2017	<0.003	
9/25/2017	0.0035	
3/14/2018	<0.003	
9/12/2018	0.003	
3/14/2019	<0.003	
9/10/2019	0.0029 (J)	
3/9/2020	0.0037	
9/10/2020	0.0019 (J)	
3/10/2021	0.00037 (J)	
8/4/2021	<0.003	
1/31/2022		0.0011 (J)
8/11/2022		<0.003
2/13/2023		0.0045
7/25/2023		0.0021 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.003	
5/16/2016	<0.003	
7/22/2016	0.002 (J)	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/17/2017	<0.003	
3/27/2017	<0.003	
6/7/2017	<0.003	
9/26/2017	<0.003	
3/14/2018	<0.003	
9/14/2018	<0.003	
3/14/2019	<0.003	
9/10/2019	<0.003	
3/6/2020	<0.003	
9/10/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		<0.003
7/26/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003 (*)	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	<0.003	
3/28/2017	<0.003	
6/6/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/11/2019	<0.003	
3/9/2020	0.00062 (J)	
9/11/2020	<0.003	
3/11/2021	<0.003	
8/6/2021	<0.003	
1/31/2022		<0.003
8/11/2022		<0.003
2/14/2023		<0.003
7/25/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.003	
5/13/2016	<0.003	
7/19/2016	<0.003	
9/16/2016	<0.003	
11/2/2016	<0.003	
1/18/2017	0.0013 (J)	
3/28/2017	<0.003	
6/6/2017	0.0007 (J)	
9/22/2017	0.0012 (J)	
3/15/2018	<0.003	
9/12/2018	<0.003	
3/13/2019	<0.003	
9/11/2019	0.00029 (J)	
3/9/2020	0.00037 (J)	
9/14/2020	<0.003	
3/11/2021	0.00074 (J)	
8/5/2021	<0.003	
1/31/2022		<0.003
8/10/2022		<0.003
2/13/2023		<0.003
7/25/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0018 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.00205 (JD)	
7/12/2017	0.0015 (JD)	
7/20/2017	<0.003 (D)	
7/28/2017	<0.003	
8/9/2017	<0.003	
8/24/2017	0.0007 (J)	
10/3/2017	<0.003 (D)	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/21/2019	<0.003 (D)	
9/12/2019	0.00052 (JD)	
3/12/2020	0.0017 (J)	
9/17/2020	0.00087 (J)	
3/16/2021	0.00082 (J)	
8/10/2021	0.0013 (J)	
2/3/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003
7/28/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
4/27/2010	<0.003	
9/30/2010	<0.003	
4/14/2011	<0.003	
10/5/2011	<0.003	
4/11/2012	<0.003	
10/2/2012	<0.003	
4/9/2013	<0.003	
10/15/2013	<0.003	
4/10/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	0.00139 (J)	
5/23/2016	0.000677 (J)	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/10/2016	<0.003	
1/30/2017	<0.003	
4/7/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/17/2018	<0.003	
3/19/2019	<0.003	
9/13/2019	<0.003	
3/11/2020	0.0005 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/1/2022		0.0015 (J)
8/16/2022		<0.003
2/16/2023		<0.003
7/28/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.003	
4/23/2009	<0.003	
10/6/2009	<0.003	
5/3/2010	<0.003	
10/11/2010	<0.003	
4/27/2011	<0.003	
10/19/2011	<0.003	
5/1/2012	<0.003	
10/2/2012	<0.003	
4/10/2013	<0.003	
10/16/2013	<0.003	
4/22/2014	<0.003	
10/1/2014	<0.003	
3/30/2015	<0.003	
10/11/2015	<0.003	
3/28/2016	<0.003	
5/25/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/11/2016	<0.003	
1/30/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/2/2017	<0.003	
3/16/2018	<0.003	
9/18/2018	<0.003	
3/19/2019	<0.003	
9/12/2019	<0.003	
3/11/2020	<0.003	
9/15/2020	0.00048 (J)	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/16/2023		<0.003
7/28/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/20/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/8/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/8/2012	<0.003	
4/3/2013	<0.003	
10/15/2013	<0.003	
4/9/2014	<0.003	
10/2/2014	<0.003	
4/2/2015	<0.003	
10/12/2015	<0.003	
3/31/2016	<0.003	
5/26/2016	0.000659 (J)	
8/3/2016	<0.003	
9/28/2016	0.0037 (O)	
11/22/2016	<0.003	
2/7/2017	<0.003	
4/10/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/12/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/4/2022		0.0016 (J)
8/18/2022		<0.003
2/20/2023		<0.003
7/31/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/28/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	<0.003	
4/1/2015	<0.003	
10/11/2015	<0.003	
4/4/2016	<0.003	
5/26/2016	0.000722 (J)	
8/3/2016	<0.003	
9/28/2016	<0.003	
11/22/2016	<0.003	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	0.00094 (J)	
9/17/2019	0.00041 (J)	
3/12/2020	0.0013 (J)	
9/21/2020	0.00091 (J)	
3/19/2021	0.00032 (J)	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/20/2023		<0.003
8/1/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.003	
11/1/2007	<0.003	
11/18/2007	<0.003	
1/30/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/14/2008	<0.003	
4/29/2009	<0.003	
10/22/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/3/2012	<0.003	
4/3/2013	<0.003	
10/9/2013	<0.003	
4/2/2014	<0.003	
10/2/2014	0.0044 (J)	
4/1/2015	0.0087	
10/11/2015	0.007	
4/4/2016	0.00252 (J)	
5/26/2016	0.00351	
8/4/2016	<0.003	
9/28/2016	0.0012 (J)	
11/22/2016	0.0042	
2/8/2017	<0.003	
4/10/2017	<0.003	
6/15/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	<0.003	
9/17/2019	0.0013 (J)	
3/12/2020	0.001 (J)	
9/21/2020	0.0053	
3/19/2021	0.012	
5/26/2021	0.0037	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/20/2023		<0.003
8/1/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/16/2008	<0.003	
3/5/2008	<0.003	
5/13/2008	<0.003	
12/13/2008	<0.003	
4/16/2009	<0.003	
10/21/2009	<0.003	
4/27/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/12/2011	<0.003	
4/24/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	<0.003	
10/9/2013	<0.003	
4/1/2014	<0.003	
10/2/2014	<0.003	
4/1/2015	<0.003	
10/14/2015	<0.003	
4/4/2016	<0.003	
5/27/2016	<0.003	
8/3/2016	<0.003	
9/30/2016	<0.003	
11/22/2016	<0.003	
2/13/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/22/2018	<0.003	
9/18/2018	<0.003	
3/23/2019	<0.003	
9/17/2019	<0.003 (D)	
3/12/2020	<0.003	
9/21/2020	<0.003	
3/19/2021	<0.003	
8/11/2021	<0.003	
2/2/2022		<0.003
8/18/2022		<0.003
2/21/2023		0.0017 (J)
8/1/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/12/2008	<0.003	
12/13/2008	<0.003	
4/28/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/18/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	<0.003	
10/8/2013	<0.003	
4/1/2014	<0.003	
10/1/2014	<0.003	
4/1/2015	<0.003	
10/15/2015	<0.003	
4/4/2016	<0.003	
5/31/2016	<0.003	
8/4/2016	<0.003	
9/29/2016	<0.003	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/12/2017	<0.003	
6/16/2017	<0.003	
10/9/2017	<0.003	
3/21/2018	<0.003	
9/19/2018	<0.003	
3/23/2019	<0.003	
9/18/2019	0.0012 (J)	
3/13/2020	0.0023 (J)	
9/22/2020	<0.003	
3/18/2021	0.00078 (J)	
8/11/2021	0.0019 (J)	
2/17/2022		<0.003
8/18/2022		<0.003
2/22/2023		<0.003
8/1/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/31/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/12/2008	<0.003	
4/29/2009	<0.003	
10/21/2009	<0.003	
4/28/2010	<0.003	
10/6/2010	<0.003	
4/20/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/2/2012	<0.003	
4/2/2013	0.007 (O)	
10/8/2013	0.01 (O)	
4/1/2014	0.011 (O)	
10/1/2014	0.018 (O)	
3/31/2015	0.011 (O)	
10/14/2015	0.0083 (O)	
4/4/2016	0.00447	
6/1/2016	0.00377	
2/22/2017	0.0044	
4/11/2017	0.0019 (J)	
6/16/2017	<0.003	
7/12/2017	0.0018 (J)	
7/28/2017	0.0011 (J)	
8/10/2017	0.0012 (J)	
10/6/2017	0.0013 (J)	
3/23/2018	0.0015 (J)	
9/20/2018	0.0013 (J)	
3/22/2019	0.0014 (J)	
9/18/2019	0.00077 (X)	
3/17/2020	0.0009 (J)	
9/22/2020	0.00079 (J)	
3/19/2021	0.0011 (J)	
8/12/2021	<0.003	
2/4/2022		<0.003
8/19/2022		<0.003
2/22/2023		<0.003
8/2/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.005	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/5/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/16/2009	<0.003	
10/20/2009	<0.003	
4/20/2010	<0.003	
9/29/2010	<0.003	
4/12/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	<0.003	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/7/2015	<0.003	
4/5/2016	<0.003	
6/1/2016	0.000895 (J)	
8/9/2016	0.0017 (JD)	
11/28/2016	<0.003	
2/9/2017	<0.003	
4/11/2017	<0.003	
6/14/2017	0.0006 (J)	
7/12/2017	<0.003	
10/5/2017	<0.003	
3/22/2018	<0.003	
9/19/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/13/2020	0.00053 (J)	
9/21/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/4/2022		<0.003
8/18/2022		<0.003
2/22/2023		<0.003
8/1/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.003	
11/2/2007	<0.003	
11/17/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/7/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/19/2009	<0.003	
4/27/2010	<0.003	
10/4/2010	<0.003	
4/18/2011	<0.003	
10/12/2011	0.0052	
4/23/2012	<0.003	
10/10/2012	<0.003	
4/15/2013	<0.003	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	0.0024 (J)	
4/3/2015	0.0072	
10/7/2015	0.0045 (J)	
4/5/2016	0.00727	
5/31/2016	0.00649	
8/4/2016	0.0038	
9/29/2016	0.0106	
11/23/2016	0.0098	
2/10/2017	0.0014 (J)	
4/12/2017	0.0026 (J)	
6/15/2017	<0.003	
10/6/2017	0.0008 (J)	
3/23/2018	0.001 (J)	
9/19/2018	0.0011 (J)	
3/25/2019	<0.003	
9/17/2019	0.0017 (J)	
3/13/2020	0.00056 (J)	
9/21/2020	0.0021 (J)	
3/18/2021	0.00045 (J)	
8/11/2021	<0.003	
2/4/2022		<0.003
8/19/2022		0.0011 (J)
2/22/2023		<0.003
8/2/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.003	
11/2/2007	<0.003	
11/18/2007	<0.003	
1/15/2008	<0.003	
3/10/2008	<0.003	
5/13/2008	<0.003	
12/2/2008	<0.003	
4/28/2009	<0.003	
10/20/2009	<0.003	
4/27/2010	<0.003	
10/5/2010	<0.003	
4/19/2011	<0.003	
10/12/2011	<0.003	
4/25/2012	<0.003	
10/10/2012	<0.003	
4/16/2013	0.0053	
10/22/2013	<0.003	
4/21/2014	0.005 (J)	
9/30/2014	<0.003	
4/3/2015	<0.003	
10/6/2015	0.0025 (J)	
4/5/2016	0.00105 (J)	
5/31/2016	0.00088 (J)	
11/23/2016	<0.003	
2/10/2017	<0.003	
4/11/2017	<0.003	
6/15/2017	<0.003	
7/12/2017	<0.003	
7/26/2017	<0.003	
10/6/2017	<0.003	
3/23/2018	0.00089 (J)	
9/19/2018	<0.003	
3/22/2019	<0.003	
9/17/2019	<0.003	
3/13/2020	<0.003	
9/21/2020	<0.003	
3/18/2021	<0.003	
8/11/2021	<0.003	
2/7/2022		<0.003
8/19/2022		<0.003
2/22/2023		<0.003
8/1/2023		0.0028 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00108 (J)	
5/16/2016	<0.003	
7/25/2016	<0.003 (*)	
9/19/2016	<0.003	
11/3/2016	<0.003	
1/19/2017	<0.003	
3/28/2017	<0.003	
6/5/2017	<0.003	
9/26/2017	<0.003	
3/15/2018	<0.003	
9/12/2018	<0.003	
3/14/2019	<0.003	
9/11/2019	<0.003	
3/10/2020	<0.003	
9/15/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003
7/26/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.003	
5/16/2016	0.00109 (J)	
7/25/2016	0.00185 (*JD)	
9/19/2016	<0.003 (D)	
11/4/2016	<0.003 (D)	
1/23/2017	<0.003 (D)	
3/29/2017	0.0018 (JD)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0111 (O)	
12/29/2017	0.0012 (Y)	
3/15/2018	0.00086 (J)	
9/13/2018	0.0029 (J)	
3/14/2019	0.0015 (JD)	
9/11/2019	0.014 (O)	
3/10/2020	0.00087 (J)	
9/11/2020	0.0076	
12/15/2020	0.0014 (J)	
3/11/2021	0.00062 (J)	
8/6/2021	0.0017 (J)	
2/1/2022		0.002 (J)
8/12/2022		0.0072
2/14/2023		<0.003
7/26/2023		0.013

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.00426	
5/16/2016	0.00267 (JD)	
7/25/2016	0.0017 (JD)	
9/19/2016	<0.003 (D)	
11/3/2016	0.0017 (JD)	
1/20/2017	0.001 (JD)	
3/29/2017	0.001 (JD)	
6/7/2017	0.0009 (J)	
9/27/2017	0.0012 (J)	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/14/2019	<0.003 (D)	
9/11/2019	<0.003 (D)	
3/10/2020	<0.003	
9/11/2020	0.00043 (J)	
3/11/2021	<0.003	
8/6/2021	<0.003	
2/1/2022		<0.003
8/12/2022		<0.003
2/14/2023		<0.003
7/26/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.003	
5/17/2016	<0.003	
7/26/2016	<0.003	
9/20/2016	0.001 (J)	
11/4/2016	<0.003	
1/20/2017	<0.003	
3/28/2017	<0.003	
6/7/2017	<0.003	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019	<0.003	
9/11/2019	<0.003	
3/10/2020	<0.003	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/5/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003
7/26/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	<0.003	
11/7/2016	<0.003	
1/23/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003	
9/27/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019	<0.003	
9/12/2019	<0.003	
3/9/2020	0.00032 (J)	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/5/2021	<0.003	
2/1/2022		<0.003
8/15/2022		0.0022 (J)
2/14/2023		<0.003
7/27/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.003	
5/18/2016	0.000987 (J)	
7/27/2016	0.0008 (J)	
9/20/2016	0.0012 (J)	
11/4/2016	0.001 (J)	
1/20/2017	0.0013 (J)	
3/29/2017	0.0004 (J)	
6/8/2017	<0.003 (*)	
9/27/2017	<0.003	
3/16/2018	<0.003	
9/13/2018	<0.003	
3/19/2019	<0.003	
9/11/2019	0.00099 (J)	
3/9/2020	0.00056 (J)	
9/15/2020	0.00053 (J)	
3/11/2021	0.00038 (J)	
8/5/2021	0.00082 (J)	
2/1/2022		0.0024 (J)
8/15/2022		<0.003
2/14/2023		0.0022 (J)
7/27/2023		0.0048

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.003	
5/17/2016	<0.003	
7/27/2016	0.0006 (J)	
9/20/2016	0.0018 (J)	
11/4/2016	<0.003	
1/23/2017	<0.003	
3/28/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/15/2019	<0.003	
9/11/2019	<0.003 (D)	
3/9/2020	<0.003	
9/14/2020	<0.003	
3/11/2021	<0.003	
8/4/2021	<0.003	
1/31/2022		<0.003
8/15/2022		<0.003
2/14/2023		<0.003
7/26/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.003	
5/18/2016	<0.003	
7/27/2016	0.0023 (J)	
9/21/2016	0.0013 (J)	
11/4/2016	<0.003	
1/24/2017	<0.003	
3/29/2017	<0.003	
6/8/2017	<0.003 (*)	
9/29/2017	<0.003	
3/15/2018	<0.003	
9/13/2018	<0.003	
3/18/2019	<0.003	
9/11/2019	0.0032	
3/11/2020	0.0012 (J)	
9/11/2020	0.0011 (J)	
3/15/2021	0.0019 (J)	
8/11/2021	0.0033	
2/1/2022		<0.003
8/15/2022		0.0012 (J)
2/14/2023		0.0037
7/27/2023		0.0017 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.003	
5/18/2016	<0.003	
7/28/2016	<0.003	
9/21/2016	<0.003	
11/7/2016	<0.003 (*)	
1/24/2017	0.0024 (J)	
3/30/2017	0.0011 (J)	
6/9/2017	<0.003 (*)	
9/29/2017	0.0009 (J)	
3/15/2018	0.0012 (J)	
9/14/2018	0.00083 (J)	
3/19/2019	0.0011 (J)	
9/11/2019	0.00065 (J)	
3/9/2020	0.0018 (J)	
9/14/2020	0.0017 (J)	
3/15/2021	0.00086 (J)	
8/5/2021	0.0024 (J)	
2/1/2022		0.00097 (J)
8/15/2022		<0.003
2/14/2023		<0.003
7/27/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.003	
10/25/2007	<0.003	
11/19/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/12/2008	<0.003	
12/11/2008	<0.003	
4/15/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/12/2010	<0.003	
4/28/2011	<0.003	
10/19/2011	<0.003	
5/2/2012	<0.003	
10/9/2012	<0.003	
4/11/2013	<0.003	
10/16/2013	<0.003	
4/23/2014	<0.003	
10/3/2014	<0.003	
3/31/2015	<0.003	
10/12/2015	<0.003	
3/28/2016	0.00104 (J)	
5/25/2016	0.000686 (J)	
8/1/2016	<0.003	
9/27/2016	<0.003	
11/11/2016	<0.003	
1/31/2017	<0.003	
4/3/2017	<0.003	
6/12/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/20/2019	<0.003	
9/16/2019	<0.003	
3/16/2020	0.00031 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/9/2021	<0.003	
2/2/2022		<0.003
8/16/2022		<0.003
2/20/2023		<0.003
7/28/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.003	
10/25/2007	<0.003	
11/20/2007	<0.003	
1/23/2008	<0.003	
3/11/2008	<0.003	
5/14/2008	<0.003	
12/11/2008	<0.003	
4/23/2009	<0.003	
10/9/2009	<0.003	
5/4/2010	<0.003	
10/11/2010	<0.003	
4/26/2011	<0.003	
10/18/2011	<0.003	
5/2/2012	<0.003	
10/8/2012	<0.003	
4/10/2013	<0.003	
10/8/2013	<0.003	
4/14/2014	<0.003	
10/3/2014	<0.003	
4/1/2015	0.0035 (J)	
10/9/2015	<0.003	
3/29/2016	<0.003	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/18/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.001 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/19/2018	<0.003	
9/17/2018	<0.003	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	0.00052 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003
7/31/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/9/2015	<0.003	
3/29/2016	0.000768 (J)	
5/24/2016	<0.003	
8/1/2016	<0.003	
9/26/2016	<0.003	
11/14/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	0.0006 (J)	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/17/2018	0.0023 (J)	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	0.0011 (J)	
9/16/2020	<0.003	
3/17/2021	<0.003	
8/10/2021	0.0028 (J)	
2/2/2022		<0.003
8/17/2022		<0.003
2/17/2023		<0.003
7/28/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/21/2016	<0.003	
2/1/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
7/14/2017	0.0008 (J)	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
3/21/2019	<0.003	
9/13/2019	0.002 (J)	
3/12/2020	0.00066 (J)	
9/16/2020	0.0012 (J)	
3/17/2021	0.00099 (J)	
8/10/2021	0.0017 (J)	
2/2/2022		0.00093 (J)
8/17/2022		0.0011 (J)
2/20/2023		0.0012 (J)
7/31/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.003	
4/30/2012	<0.003	
10/3/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/10/2014	<0.003	
10/2/2014	0.0025 (J)	
4/3/2015	<0.003	
10/8/2015	<0.003	
3/30/2016	<0.003	
5/24/2016	<0.003	
8/2/2016	<0.003	
9/27/2016	<0.003	
11/22/2016	<0.003	
2/6/2017	0.0015 (J)	
4/6/2017	0.0007 (J)	
6/14/2017	<0.003	
10/4/2017	<0.003	
3/21/2018	<0.003	
9/18/2018	<0.003	
3/27/2019	<0.003	
9/16/2019	<0.003 (D)	
3/12/2020	0.00043 (J)	
9/17/2020	0.00082 (J)	
3/17/2021	<0.003	
8/10/2021	0.0015 (J)	
2/2/2022		0.0015 (J)
8/17/2022		<0.003
2/21/2023		<0.003
7/31/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.003	
6/18/2015	<0.003 (D)	
7/2/2015	<0.003	
10/8/2015	<0.003	
3/22/2016	<0.003	
5/25/2016	<0.003	
8/2/2016	<0.003	
9/26/2016	<0.003	
11/21/2016	<0.003	
2/3/2017	<0.003	
4/7/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	<0.003	
9/18/2018	<0.003	
5/6/2019	<0.003	
9/16/2019	<0.003	
3/16/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		0.001 (J)
2/20/2023		<0.003
7/31/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.003	
11/1/2007	<0.003	
11/19/2007	<0.003	
1/15/2008	<0.003	
3/6/2008	<0.003	
5/13/2008	<0.003	
12/12/2008	<0.003	
4/16/2009	<0.003	
10/13/2009	<0.003	
4/21/2010	<0.003	
9/29/2010	<0.003	
4/13/2011	<0.003	
10/5/2011	<0.003	
4/4/2012	<0.003	
10/8/2012	<0.003	
4/8/2013	<0.003	
10/9/2013	<0.003	
4/9/2014	<0.003	
9/30/2014	<0.003	
4/2/2015	<0.003	
10/10/2015	<0.003 (D)	
3/30/2016	<0.003	
5/26/2016	<0.003	
8/5/2016	<0.003	
9/28/2016	<0.003	
11/21/2016	<0.003	
2/6/2017	<0.003	
4/6/2017	<0.003	
6/13/2017	<0.003	
10/3/2017	<0.003	
3/20/2018	0.001 (J)	
9/18/2018	<0.003 (D)	
3/21/2019	<0.003	
9/16/2019	<0.003	
3/12/2020	<0.003	
9/17/2020	<0.003	
3/18/2021	<0.003	
8/10/2021	<0.003	
2/2/2022		<0.003
8/17/2022		<0.003
2/21/2023		<0.003
7/31/2023		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	<0.005	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	0.00085 (J)	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	0.0004 (J)	
3/11/2020	0.00088 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012 (O)	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		0.0019 (J)
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0056	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0008 (J)	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	0.0007 (J)	
6/9/2017	0.0006 (J)	
10/2/2017	0.0005 (J)	
3/16/2018	0.001 (J)	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00051 (J)	
3/11/2020	0.00044 (J)	
9/15/2020	0.00081 (J)	
3/16/2021	<0.005	
8/9/2021	0.0031 (J)	
2/1/2022		0.0053
8/16/2022		0.0033 (J)
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.005	
3/27/2017	0.0007 (JD)	
6/8/2017	0.0007 (JD)	
7/17/2017	0.0005 (JD)	
7/27/2017	<0.005	
8/9/2017	0.0008 (J)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	0.00083 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0007 (J)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	0.00043 (J)	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/12/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		0.0021 (J)
8/10/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
3/29/2021	0.001 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
5/24/2017	<0.005	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	0.00068 (J)	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0012 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0008 (J)	
6/6/2017	<0.005 (*)	
9/25/2017	0.001 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		0.0013 (J)
8/11/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	0.0005 (J)	
6/6/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0019 (J)	
4/7/2017	0.0008 (J)	
6/14/2017	0.0006 (JD)	
7/12/2017	<0.005 (D)	
7/20/2017	0.0009 (JD)	
7/28/2017	<0.005	
8/9/2017	0.0011 (J)	
8/24/2017	0.0007 (J)	
10/3/2017	0.0005 (JD)	
3/21/2018	0.0012 (J)	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.0006 (JD)	
3/12/2020	0.0033 (J)	
9/17/2020	0.0011 (J)	
3/16/2021	0.00098 (J)	
8/10/2021	0.0025 (J)	
2/3/2022		0.0034 (J)
8/17/2022		<0.005
2/17/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0079	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.015 (O)	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	0.0006 (J)	
3/20/2018	0.00079 (J)	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/4/2022		0.0023 (J)
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/8/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	<0.005	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0019 (J)
8/18/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00058 (J)	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0023 (J)
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	0.0057	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	0.006	
4/2/2014	0.005 (J)	
10/2/2014	0.0036 (J)	
4/1/2015	0.0077	
10/11/2015	0.0071	
4/4/2016	0.00315 (J)	
5/26/2016	0.00313 (J)	
8/4/2016	0.0032 (J)	
9/28/2016	0.0029 (J)	
11/22/2016	0.0048 (J)	
2/8/2017	0.0022 (J)	
4/10/2017	0.002 (J)	
6/15/2017	0.0014 (J)	
10/4/2017	0.002 (J)	
3/22/2018	0.0022 (J)	
9/18/2018	<0.005	
3/23/2019	0.0016 (J)	
9/17/2019	0.0016 (J)	
3/12/2020	0.0012 (J)	
9/21/2020	0.0012 (J)	
3/19/2021	0.0013 (J)	
8/11/2021	0.0017 (J)	
2/4/2022		0.0035 (J)
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:42 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	0.0086	
3/5/2008	<0.005	
5/13/2008	<0.005	
12/13/2008	0.012	
4/16/2009	0.008	
10/21/2009	0.0081	
10/5/2010	0.0067	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	0.0086	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	0.0094	
4/1/2014	0.0097	
10/2/2014	0.0055	
4/1/2015	0.011	
10/14/2015	0.007	
4/4/2016	0.00645	
5/27/2016	0.00692	
8/3/2016	0.0068	
9/30/2016	0.0065	
11/22/2016	0.0066	
2/13/2017	0.0092	
4/11/2017	0.0051	
6/14/2017	0.0056	
10/4/2017	0.0068	
3/22/2018	0.0055	
9/18/2018	0.0064	
3/23/2019	0.0055	
9/17/2019	0.00465 (JD)	
3/12/2020	0.0053	
9/21/2020	0.0065	
3/19/2021	0.0052	
8/11/2021	0.0042 (J)	
2/2/2022		0.0027 (J)
8/18/2022		0.0037 (J)
2/21/2023		0.0094 (J)
8/1/2023		0.0065

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0096	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0022 (J)	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	0.00124 (J)	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	0.001 (J)	
6/16/2017	0.0007 (J)	
10/9/2017	0.0006 (J)	
3/21/2018	0.0013 (J)	
9/19/2018	<0.005	
3/23/2019	0.00067 (J)	
9/18/2019	0.00052 (J)	
3/13/2020	0.00096 (J)	
9/22/2020	0.00098 (J)	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.02 (O)	
4/29/2009	0.0066	
10/21/2009	<0.005	
4/28/2010	0.016 (O)	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	0.0021 (J)	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	0.00144 (J)	
6/1/2016	0.0011 (JD)	
2/22/2017	<0.005	
4/11/2017	0.0011 (JD)	
6/16/2017	0.0043 (JD)	
7/12/2017	0.0013 (JD)	
7/28/2017	0.0013 (J)	
8/10/2017	0.0011 (J)	
10/6/2017	0.0013 (JD)	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	0.00097 (J)	
9/18/2019	0.00045 (X)	
3/17/2020	0.00067 (J)	
9/22/2020	0.00086 (J)	
3/19/2021	0.00084 (J)	
8/12/2021	<0.005	
2/4/2022		0.0035 (J)
8/19/2022		<0.005
2/22/2023		0.0031 (J)
8/2/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	0.0079	
5/7/2008	<0.005	
12/2/2008	0.014 (O)	
4/16/2009	0.0069	
10/20/2009	0.0054	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	0.00096 (J)	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0019 (J)
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0005 (J)	
6/15/2017	<0.005	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00047 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		0.0026 (J)
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0077	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/2/2008	0.0061	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	0.0025 (J)	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	0.00153 (J)	
5/31/2016	0.00261 (J)	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	0.0007 (J)	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	0.0009 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00052 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		0.0025 (J)
8/19/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00101 (J)	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0009 (J)	
6/5/2017	0.0033 (J)	
9/26/2017	0.0008 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	0.0013 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		0.0038 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/4/2016	<0.005 (D)	
1/23/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005
7/26/2023		0.0038 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005 (*)	
9/27/2017	0.0006 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	0.0004 (J)	
6/7/2017	<0.005 (*)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.0006 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.00136 (J)	
5/18/2016	0.00127 (J)	
7/27/2016	0.0012 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	0.001 (J)	
9/27/2017	0.0009 (J)	
3/16/2018	<0.005	
9/13/2018	0.00091 (J)	
3/19/2019	<0.005	
9/11/2019	0.00067 (J)	
3/9/2020	0.00051 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	0.0012 (J)	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		0.0039 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/11/2020	0.00041 (J)	
9/11/2020	<0.005	
3/15/2021	<0.005	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.005	
5/18/2016	<0.005	
7/28/2016	<0.005	
9/21/2016	<0.005	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		0.0044 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	<0.005	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0006 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	<0.005	
11/20/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	0.014 (O)	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	<0.005	
10/3/2014	<0.005	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	0.0006 (J)	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	0.00089 (J)	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	0.00071 (J)	
3/12/2020	0.00055 (J)	
9/16/2020	<0.005	
3/17/2021	0.0013 (J)	
8/10/2021	0.0016 (J)	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	0.00038 (J)	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0012 (J)
8/17/2022		<0.005
2/17/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0031 (J)	
9/27/2016	0.0028 (J)	
11/21/2016	0.0031 (J)	
2/1/2017	0.0031 (J)	
4/6/2017	0.003 (J)	
6/13/2017	0.0024 (J)	
7/14/2017	0.0029 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0024 (J)	
9/18/2018	<0.005	
3/21/2019	0.00077 (J)	
9/13/2019	0.0017 (J)	
3/12/2020	0.00044 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	0.0013 (J)	
2/2/2022		0.002 (J)
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0029 (J)	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	0.00077 (J)	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	0.0004 (JD)	
3/12/2020	0.00039 (J)	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0013 (J)
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	0.0006 (J)	
9/18/2018	<0.005	
5/6/2019	0.00063 (J)	
9/16/2019	0.00043 (J)	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.00082 (J)	
8/10/2021	<0.005	
2/2/2022		0.0011 (J)
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	0.0086	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	0.0065	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00116 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	0.00044 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.0013 (J)
8/17/2022		<0.005
2/21/2023		0.0028 (J)
7/31/2023		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.02	
10/23/2007	0.039	
11/18/2007	0.04 (J)	
1/30/2008	0.04	
3/10/2008	0.033	
5/13/2008	0.03	
12/5/2008	0.0087	
4/15/2009	0.023	
10/7/2009	0.15 (O)	
5/3/2010	0.025	
10/12/2010	0.029	
4/27/2011	0.026	
10/17/2011	0.021	
5/2/2012	0.0212	
10/8/2012	0.019	
4/12/2013	0.022	
10/16/2013	0.02	
4/11/2014	0.018	
9/30/2014	0.013	
3/30/2015	0.021	
10/13/2015	0.012	
3/22/2016	0.0182	
5/19/2016	0.0193	
7/29/2016	0.0174	
9/23/2016	0.0168	
11/9/2016	0.0171	
1/30/2017	0.019	
3/30/2017	0.0184	
6/9/2017	0.0174	
10/2/2017	0.0167	
3/16/2018	0.016	
9/17/2018	0.015 (D)	
3/20/2019	0.019	
9/12/2019	0.018	
3/11/2020	0.016	
9/15/2020	0.019	
3/16/2021	0.018	
8/9/2021	0.019	
2/1/2022		0.015
8/16/2022		0.017
2/16/2023		0.018
7/27/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0073	
10/24/2007	0.027	
11/18/2007	0.13 (O)	
1/31/2008	0.0077	
3/11/2008	0.015	
5/6/2008	0.017	
12/4/2008	0.14 (O)	
4/21/2009	0.018	
10/7/2009	0.014	
4/26/2010	0.017	
10/4/2010	0.011	
4/13/2011	0.026	
10/5/2011	0.021	
4/11/2012	0.0311	
10/9/2012	0.018	
4/15/2013	0.056	
10/15/2013	0.018	
4/22/2014	0.035	
9/30/2014	0.0041	
3/30/2015	0.036	
10/13/2015	0.0048	
3/23/2016	0.0271	
5/20/2016	0.0206	
7/29/2016	0.0275	
9/23/2016	0.0384	
11/9/2016	0.0266	
1/31/2017	0.0094 (J)	
3/30/2017	0.0262	
6/12/2017	0.0288	
10/2/2017	0.0048 (J)	
3/19/2018	0.037	
9/14/2018	0.0059 (J)	
3/20/2019	0.0072 (J)	
9/12/2019	0.0058 (JD)	
3/11/2020	0.035	
9/15/2020	0.019	
3/17/2021	0.025	
8/9/2021	0.024	
2/1/2022		0.026
8/16/2022		0.021
2/16/2023		0.029
7/27/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0098	
10/24/2007	0.015	
11/18/2007	0.011	
1/31/2008	0.13 (O)	
3/10/2008	0.0078	
5/13/2008	0.0077	
12/4/2008	0.0089	
4/21/2009	0.013	
10/8/2009	0.008	
4/21/2010	0.01	
9/28/2010	0.0036	
4/12/2011	0.0084	
10/4/2011	0.0066	
4/3/2012	0.0625 (O)	
10/9/2012	0.01	
4/11/2013	0.021	
10/16/2013	0.033	
4/10/2014	0.021	
9/30/2014	0.0062	
3/30/2015	0.011	
10/13/2015	0.0065	
3/23/2016	0.0206	
5/19/2016	0.0109	
7/29/2016	0.007 (J)	
9/22/2016	0.0071 (J)	
11/10/2016	0.0052 (J)	
1/31/2017	0.0076 (J)	
4/3/2017	0.007 (J)	
6/9/2017	0.0074 (J)	
10/2/2017	0.0085 (J)	
3/16/2018	0.015	
9/14/2018	0.0095 (J)	
3/19/2019	0.024	
9/13/2019	0.012	
3/11/2020	0.027	
9/15/2020	0.013	
3/16/2021	0.013	
8/9/2021	0.029	
2/1/2022		0.024
8/16/2022		0.027
2/16/2023		0.028
7/27/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0113 (D)	
7/27/2016	0.0114 (D)	
2/21/2017	0.0178	
3/27/2017	0.0162 (D)	
6/8/2017	0.0156 (D)	
7/17/2017	0.016 (D)	
7/27/2017	0.0184	
8/9/2017	0.0162	
9/29/2017	0.0159 (D)	
3/16/2018	0.016	
9/14/2018	0.015	
3/14/2019	0.018	
3/9/2020	0.017	
9/16/2020	0.027	
3/16/2021	0.014	
8/6/2021	0.014	
2/2/2022		0.013
8/16/2022		0.013
2/14/2023		0.014
7/25/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.0234	
5/11/2016	0.00793 (J)	
7/19/2016	0.0045 (J)	
9/15/2016	0.0057 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.01 (*)	
3/28/2017	0.0188	
6/7/2017	0.0273	
9/26/2017	0.0236	
3/14/2018	0.027	
9/12/2018	0.022	
3/15/2019	0.019	
9/9/2019	0.015	
3/9/2020	0.0072 (J)	
9/10/2020	0.0042 (J)	
3/12/2021	0.014	
8/4/2021	0.011	
1/31/2022		0.013
8/10/2022		0.01
2/13/2023		0.018
7/26/2023		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.015 (O)	
11/2/2007	0.017 (O)	
11/18/2007	0.019 (O)	
1/31/2008	0.011 (O)	
3/11/2008	0.016 (O)	
5/14/2008	0.013 (O)	
12/5/2008	0.021 (O)	
4/15/2009	0.012 (O)	
10/8/2009	0.011 (O)	
4/28/2010	0.0081	
10/6/2010	0.0083	
4/21/2011	0.0053	
10/13/2011	0.0071	
5/1/2012	0.0067	
10/9/2012	0.0055	
4/11/2013	0.0061	
10/16/2013	0.0062	
4/23/2014	0.0047	
10/4/2014	0.0055	
3/31/2015	0.0076	
10/12/2015	0.0049	
3/23/2016	0.00742 (J)	
5/23/2016	0.00532 (J)	
7/29/2016	0.0053 (J)	
9/22/2016	0.0058 (J)	
11/10/2016	0.0051 (J)	
1/31/2017	0.0054 (J)	
3/30/2017	0.0049 (J)	
6/12/2017	<0.01	
10/4/2017	0.0047 (J)	
3/19/2018	0.0047 (J)	
9/17/2018	0.0041 (J)	
3/20/2019	0.0042 (J)	
9/13/2019	0.0042 (J)	
3/11/2020	0.0041 (J)	
3/29/2021	0.0073	
8/9/2021	0.0073	
2/2/2022		0.0064
8/16/2022		0.0067
2/17/2023		0.0065
8/1/2023		0.0074

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	0.0101	
5/11/2016	0.00992 (J)	
7/21/2016	0.009 (J)	
9/15/2016	0.0109	
11/3/2016	0.0115	
1/17/2017	0.0101	
3/24/2017	0.0086 (J)	
5/24/2017	0.0087 (J)	
9/26/2017	0.0075 (J)	
3/14/2018	0.0064 (J)	
9/12/2018	0.0075 (J)	
3/13/2019	0.0076 (J)	
9/9/2019	0.0078 (J)	
3/9/2020	0.0088 (J)	
9/11/2020	0.0079 (J)	
3/10/2021	0.0083	
8/4/2021	0.008	
1/31/2022		0.0081
8/12/2022		0.0076
2/13/2023		0.0075
7/26/2023		0.0081

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	0.0291	
5/12/2016	0.0322	
7/20/2016	0.0313	
9/15/2016	0.0217	
11/3/2016	0.0272	
1/18/2017	0.0286 (J)	
3/24/2017	0.0307	
6/6/2017	0.0242	
9/25/2017	0.0252	
3/14/2018	0.021	
9/12/2018	0.025	
3/14/2019	0.028	
9/10/2019	0.0195 (D)	
3/6/2020	0.022	
9/10/2020	0.024	
3/11/2021	0.024	
8/4/2021	0.021	
1/31/2022		0.022
8/11/2022		0.022
2/13/2023		0.029
7/25/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.0462	
5/13/2016	0.0265	
7/21/2016	0.0243	
9/21/2016	0.0145	
11/3/2016	0.0082 (J)	
1/17/2017	0.007 (J)	
3/27/2017	0.016	
6/6/2017	0.0301	
9/25/2017	0.0169	
3/14/2018	0.036	
9/12/2018	0.021	
3/14/2019	0.04	
9/10/2019	0.031	
3/9/2020	0.031	
9/10/2020	0.031	
3/10/2021	0.023	
8/4/2021	0.021	
1/31/2022		0.031
8/11/2022		0.019
2/13/2023		0.028
7/25/2023		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.00639 (J)	
5/16/2016	0.00622 (J)	
7/22/2016	0.0062 (J)	
9/19/2016	0.0064 (J)	
11/3/2016	0.0058 (J)	
1/17/2017	0.0061 (J)	
3/27/2017	0.0063 (J)	
6/7/2017	0.0064 (J)	
9/26/2017	0.006 (J)	
3/14/2018	0.0065 (J)	
9/14/2018	0.0065 (J)	
3/14/2019	0.0066 (J)	
9/10/2019	0.0068 (J)	
3/6/2020	0.0066 (J)	
9/10/2020	0.0059 (J)	
3/11/2021	0.0061	
8/4/2021	0.0061	
1/31/2022		0.0063
8/10/2022		0.0063
2/13/2023		0.0061
7/26/2023		0.0064

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0116	
5/13/2016	0.0361	
7/19/2016	0.036	
9/16/2016	0.0259	
11/2/2016	0.037	
1/18/2017	0.0248	
3/28/2017	0.0222	
6/6/2017	0.02	
9/22/2017	0.0179	
3/14/2018	0.016	
9/12/2018	0.017	
3/13/2019	0.014	
9/11/2019	0.015	
3/9/2020	0.012	
9/11/2020	0.024	
3/11/2021	0.0096	
8/6/2021	0.015	
1/31/2022		0.014
8/11/2022		0.016
2/14/2023		0.011
7/25/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00819 (J)	
5/13/2016	0.00756 (J)	
7/19/2016	0.0079 (J)	
9/16/2016	0.0078 (J)	
11/2/2016	0.0082 (J)	
1/18/2017	0.0085 (J)	
3/28/2017	0.0084 (J)	
6/6/2017	0.0078 (J)	
9/22/2017	0.0076 (J)	
3/15/2018	0.0092 (J)	
9/12/2018	0.008 (J)	
3/13/2019	0.0077 (J)	
9/11/2019	0.0079 (J)	
3/9/2020	0.0069 (J)	
9/14/2020	0.0075 (J)	
3/11/2021	0.0069	
8/5/2021	0.0069	
1/31/2022		0.0076
8/10/2022		0.0066
2/13/2023		0.0064
7/25/2023		0.0073

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0273	
4/7/2017	0.024	
6/14/2017	0.027 (D)	
7/12/2017	0.027 (D)	
7/20/2017	0.0304 (D)	
7/28/2017	0.0269	
8/9/2017	0.0254	
8/24/2017	0.0285	
10/3/2017	0.0294 (D)	
3/21/2018	0.03	
9/18/2018	0.032	
3/21/2019	0.04 (D)	
9/12/2019	0.034 (D)	
3/12/2020	0.053	
9/17/2020	0.036	
3/16/2021	0.042	
8/10/2021	0.045	
2/3/2022		0.063
8/17/2022		0.034
2/17/2023		0.043
7/28/2023		0.043

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.098 (O)	
4/23/2009	0.013	
10/6/2009	0.011	
4/27/2010	0.016	
9/30/2010	0.013	
4/14/2011	0.011	
10/5/2011	0.015	
4/11/2012	0.0102	
10/2/2012	0.0091	
4/9/2013	0.01	
10/15/2013	0.0098	
4/10/2014	0.011	
10/1/2014	0.0033	
3/30/2015	0.0043	
10/11/2015	0.0038	
3/28/2016	0.0133	
5/23/2016	0.0109	
8/1/2016	0.0058 (J)	
9/26/2016	0.0092 (J)	
11/10/2016	0.0083 (J)	
1/30/2017	0.0117	
4/7/2017	0.0109	
6/12/2017	<0.01	
10/2/2017	0.0122	
3/16/2018	0.0084 (J)	
9/17/2018	0.01	
3/19/2019	0.012	
9/13/2019	0.0088 (J)	
3/11/2020	0.0077 (J)	
9/16/2020	0.0081 (J)	
3/17/2021	0.0074	
8/9/2021	0.0071	
2/1/2022		0.0065
8/16/2022		0.0072
2/16/2023		0.0067
7/28/2023		0.0075

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.016	
4/23/2009	0.14 (O)	
10/6/2009	0.12 (O)	
5/3/2010	0.12 (O)	
10/11/2010	0.019	
4/27/2011	0.02	
10/19/2011	0.014	
5/1/2012	0.0199	
10/2/2012	0.015	
4/10/2013	0.016	
10/16/2013	0.017	
4/22/2014	0.017	
10/1/2014	0.013	
3/30/2015	0.014	
10/11/2015	0.0093	
3/28/2016	0.0155	
5/25/2016	0.0143	
8/1/2016	0.0129	
9/26/2016	0.0177	
11/11/2016	0.0117	
1/30/2017	0.0113	
4/3/2017	0.0166	
6/12/2017	0.017	
10/2/2017	0.0157	
3/16/2018	0.012	
9/18/2018	0.0099 (J)	
3/19/2019	0.013	
9/12/2019	0.011	
3/11/2020	0.0095 (J)	
9/15/2020	0.0089 (J)	
3/17/2021	0.012	
8/9/2021	0.0089	
2/2/2022		0.009
8/17/2022		0.0091
2/16/2023		0.0081
7/28/2023		0.0079

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.021	
11/1/2007	0.017	
11/20/2007	0.1 (O)	
1/30/2008	0.035	
3/6/2008	0.042	
5/12/2008	0.0087	
12/13/2008	0.12 (O)	
4/29/2009	0.11 (O)	
10/20/2009	0.016	
4/26/2010	0.016	
9/29/2010	0.016	
4/13/2011	0.012	
10/5/2011	0.014	
4/4/2012	0.017	
10/3/2012	0.015	
4/3/2013	0.018	
10/15/2013	0.018	
4/9/2014	0.019	
10/2/2014	0.016	
4/2/2015	0.017	
10/10/2015	0.014	
3/31/2016	0.0179	
5/26/2016	0.0186	
8/5/2016	0.0138	
9/28/2016	0.0153	
11/22/2016	0.0184 (J)	
2/7/2017	0.0215	
4/10/2017	0.0247	
6/14/2017	0.0227	
10/4/2017	0.0172	
3/20/2018	0.021	
9/18/2018	0.02	
3/22/2019	0.024	
9/17/2019	0.016	
3/12/2020	0.026	
9/17/2020	0.013	
3/18/2021	0.025	
8/10/2021	0.023	
2/4/2022		0.022
8/17/2022		0.016
2/20/2023		0.02
7/31/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.027	
11/1/2007	0.024	
11/20/2007	0.022	
1/30/2008	0.033 (J)	
3/6/2008	0.019	
5/8/2008	0.017	
12/14/2008	0.02	
4/29/2009	0.017	
10/21/2009	0.021	
4/21/2010	0.019	
9/28/2010	0.018	
4/12/2011	0.017	
10/4/2011	0.022	
4/3/2012	0.0212	
10/8/2012	0.019	
4/3/2013	0.021	
10/15/2013	0.022	
4/9/2014	0.02	
10/2/2014	0.023	
4/2/2015	0.022	
10/12/2015	0.028	
3/31/2016	0.0273	
5/26/2016	0.0305	
8/3/2016	0.0284	
9/28/2016	0.036	
11/22/2016	0.0341 (J)	
2/7/2017	0.0309	
4/10/2017	0.0235	
6/14/2017	0.0258	
10/4/2017	0.0234	
3/21/2018	0.022	
9/18/2018	0.03	
3/22/2019	0.022	
9/17/2019	0.03	
3/12/2020	0.028	
9/17/2020	0.022	
3/18/2021	0.027	
8/11/2021	0.027	
2/4/2022		0.028
8/18/2022		0.025
2/20/2023		0.024
7/31/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	0.034	
11/1/2007	0.036	
11/18/2007	0.036	
1/30/2008	0.031 (J)	
3/5/2008	0.018	
5/7/2008	0.015	
12/14/2008	0.12 (O)	
4/29/2009	0.0079	
10/22/2009	0.007	
4/21/2010	0.0074	
9/28/2010	0.0068	
4/12/2011	0.0089	
10/4/2011	0.012	
4/3/2012	0.0169	
10/3/2012	0.03	
4/3/2013	0.008	
10/9/2013	0.0093	
4/2/2014	0.031	
10/2/2014	0.035	
4/1/2015	0.013	
10/11/2015	0.0079	
4/4/2016	0.0119	
5/26/2016	0.0127	
8/3/2016	0.0121	
9/28/2016	0.0112	
11/22/2016	0.0155 (J)	
2/8/2017	0.0115	
4/10/2017	<0.0117	
6/15/2017	0.0112	
10/4/2017	0.0093 (J)	
3/21/2018	0.012	
9/18/2018	0.011	
3/23/2019	0.0081 (J)	
9/17/2019	0.011	
3/12/2020	0.0086 (J)	
9/21/2020	0.0093 (J)	
3/19/2021	0.011	
8/11/2021	0.0086	
2/4/2022		0.01
8/18/2022		0.0078
2/20/2023		0.0071
8/1/2023		0.0096

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.01	
11/1/2007	0.012	
11/18/2007	0.011	
1/30/2008	0.013	
3/6/2008	0.017	
5/7/2008	0.0066	
12/14/2008	0.013	
4/29/2009	0.0098	
10/22/2009	0.013	
4/21/2010	0.0069	
9/29/2010	0.0049	
4/13/2011	0.0074	
10/4/2011	0.0062	
4/4/2012	0.0091	
10/3/2012	0.0089	
4/3/2013	0.012	
10/9/2013	0.0079	
4/2/2014	0.0086	
10/2/2014	0.01	
4/1/2015	0.019	
10/11/2015	0.014	
4/4/2016	0.0176	
5/26/2016	0.0195	
8/4/2016	0.0151	
9/28/2016	0.0132	
11/22/2016	0.0186 (J)	
2/8/2017	0.015	
4/10/2017	0.0172	
6/15/2017	0.0167	
10/4/2017	0.0156	
3/22/2018	0.017	
9/18/2018	0.017	
3/23/2019	0.019	
9/17/2019	0.018	
3/12/2020	0.021	
9/21/2020	0.016	
3/19/2021	0.021	
8/11/2021	0.021	
2/4/2022		0.021
8/18/2022		0.019
2/20/2023		0.02
8/1/2023		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.023	
11/1/2007	0.034	
11/19/2007	0.043	
1/16/2008	0.13 (O)	
3/5/2008	0.07	
5/13/2008	0.039	
12/13/2008	0.13 (O)	
4/16/2009	0.13 (O)	
10/21/2009	0.033	
4/27/2010	0.11 (O)	
10/5/2010	0.027	
4/19/2011	0.025	
10/12/2011	0.025	
4/24/2012	0.027	
10/2/2012	0.013	
4/2/2013	0.031	
10/9/2013	0.025	
4/1/2014	0.023	
10/2/2014	0.025	
4/1/2015	0.025	
10/14/2015	0.027	
4/4/2016	0.0285	
5/27/2016	0.0257	
8/3/2016	0.0237	
9/30/2016	0.0279	
11/22/2016	0.0286 (J)	
2/13/2017	0.0313	
4/11/2017	0.0254	
6/14/2017	0.0241	
10/4/2017	0.0256	
3/22/2018	0.024	
9/18/2018	0.025	
3/23/2019	0.024	
9/17/2019	0.0245 (D)	
3/12/2020	0.023	
9/21/2020	0.023	
3/19/2021	0.024	
8/11/2021	0.025	
2/2/2022		0.023
8/18/2022		0.022
2/21/2023		0.023
8/1/2023		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.065	
11/1/2007	0.019	
11/19/2007	0.015	
1/31/2008	0.022	
3/5/2008	0.012	
5/12/2008	0.014	
12/13/2008	0.11 (O)	
4/28/2009	0.12 (O)	
10/21/2009	0.023	
4/28/2010	0.019	
10/5/2010	0.018	
4/19/2011	0.019	
10/18/2011	0.025	
4/25/2012	0.024	
10/2/2012	0.019	
4/2/2013	0.021	
10/8/2013	0.027	
4/1/2014	0.023	
10/1/2014	0.014	
4/1/2015	0.027	
10/15/2015	0.033	
4/4/2016	0.027	
5/31/2016	0.0283	
8/4/2016	0.0358	
9/29/2016	0.0437	
11/28/2016	0.0419 (J)	
2/9/2017	0.0472	
4/12/2017	0.0383	
6/16/2017	0.0457	
10/9/2017	0.0406	
3/21/2018	0.032	
9/19/2018	0.034	
3/23/2019	0.023	
9/18/2019	0.033	
3/13/2020	0.023	
9/22/2020	0.027	
3/18/2021	0.023	
8/11/2021	0.025	
2/17/2022		0.02
8/18/2022		0.021
2/22/2023		0.022
8/1/2023		0.026

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0089	
11/2/2007	0.0091	
11/17/2007	0.021	
1/15/2008	0.013	
3/5/2008	0.11 (O)	
5/7/2008	0.01	
12/2/2008	0.12 (O)	
4/16/2009	0.13 (O)	
10/20/2009	0.05	
4/20/2010	0.019	
9/29/2010	0.017	
4/12/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.0182	
10/10/2012	0.048	
4/15/2013	0.03	
10/22/2013	0.033	
4/21/2014	0.033	
9/30/2014	0.027	
4/3/2015	0.13 (O)	
10/7/2015	0.047	
4/5/2016	0.0279	
6/1/2016	0.0249	
8/9/2016	0.0268	
11/28/2016	<0.01	
2/9/2017	0.0119	
4/11/2017	0.0112 (D)	
6/14/2017	<0.01	
7/12/2017	0.0105	
10/5/2017	0.0099 (J)	
3/22/2018	0.011	
9/19/2018	0.013	
3/22/2019	0.014	
9/17/2019	0.015	
3/13/2020	0.017	
9/21/2020	0.013	
3/18/2021	0.014	
8/11/2021	0.016	
2/4/2022		0.014
8/18/2022		0.014
2/22/2023		0.014
8/1/2023		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.015	
11/2/2007	0.024	
11/17/2007	0.027	
1/15/2008	0.022	
3/6/2008	0.021	
5/7/2008	0.023	
12/2/2008	0.024	
4/28/2009	0.031	
10/19/2009	0.027	
4/27/2010	0.051 (O)	
10/4/2010	0.028	
4/18/2011	0.026	
10/12/2011	0.026	
4/23/2012	0.0224	
10/10/2012	0.024	
4/15/2013	0.029	
10/22/2013	0.022	
4/21/2014	0.025	
9/30/2014	0.022	
4/3/2015	0.022	
10/7/2015	0.023	
4/5/2016	0.0308	
5/31/2016	0.0255	
8/4/2016	0.0227	
9/29/2016	0.0258	
11/23/2016	0.0263 (J)	
2/10/2017	0.025	
4/12/2017	0.026	
6/15/2017	0.0244	
10/6/2017	0.0254	
3/23/2018	0.021	
9/19/2018	0.02	
3/25/2019	0.021	
9/17/2019	0.023	
3/13/2020	0.02	
9/21/2020	0.021	
3/18/2021	0.02	
8/11/2021	0.019	
2/4/2022		0.017
8/19/2022		0.016
2/22/2023		0.016
8/2/2023		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.017	
11/2/2007	0.011	
11/18/2007	0.012 (J)	
1/15/2008	0.088 (O)	
3/10/2008	0.0077	
5/13/2008	0.0055	
12/2/2008	0.0097	
4/28/2009	0.0042	
10/20/2009	0.0056	
4/27/2010	0.0039	
10/5/2010	0.0047	
4/19/2011	0.0071	
10/12/2011	0.0098	
4/25/2012	0.0088	
10/10/2012	0.0093	
4/16/2013	0.0098	
10/22/2013	0.0097	
4/21/2014	0.008	
9/30/2014	0.0074	
4/3/2015	0.0076	
10/6/2015	0.0088	
4/5/2016	0.00971 (J)	
5/31/2016	0.00589 (J)	
11/23/2016	<0.05	
2/10/2017	0.0233	
4/11/2017	0.0162	
6/15/2017	0.0148	
7/12/2017	0.0166	
7/26/2017	0.0146	
10/6/2017	0.015	
3/23/2018	0.013	
9/19/2018	0.015	
3/22/2019	0.014	
9/17/2019	0.014	
3/13/2020	0.014	
9/21/2020	0.013	
3/18/2021	0.012	
8/11/2021	0.013	
2/7/2022		0.012
8/19/2022		0.011
2/22/2023		0.01
8/1/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.0545	
5/16/2016	0.0418	
7/25/2016	0.0179	
9/19/2016	0.0152	
11/3/2016	0.0127	
1/19/2017	0.0172	
3/28/2017	0.0437	
6/5/2017	0.0747	
9/26/2017	0.0338	
3/15/2018	0.059	
9/12/2018	0.032	
3/14/2019	0.077	
9/11/2019	0.036	
3/10/2020	0.059	
9/15/2020	0.035	
3/11/2021	0.046	
8/4/2021	0.047	
1/31/2022		0.047
8/15/2022		0.04
2/14/2023		0.042
7/26/2023		0.02

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.00599 (J)	
5/16/2016	0.006 (J)	
7/25/2016	0.0056 (J)	
9/19/2016	0.0059 (J)	
11/4/2016	0.0054 (J)	
1/23/2017	0.006 (J)	
3/29/2017	0.0058 (J)	
6/7/2017	0.0062 (J)	
9/27/2017	0.0056 (J)	
3/15/2018	0.0057 (J)	
9/13/2018	0.0057 (J)	
3/14/2019	0.0066 (J)	
9/11/2019	0.0061 (J)	
3/10/2020	0.0061 (J)	
9/11/2020	0.006 (J)	
3/11/2021	0.0059	
8/6/2021	0.0061	
2/1/2022		0.0072
8/12/2022		0.0064
2/14/2023		0.0067
7/26/2023		0.007

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.0244	
5/16/2016	0.0222	
7/25/2016	0.02	
9/19/2016	0.019	
11/3/2016	0.0177	
1/20/2017	0.0173	
3/29/2017	0.0184	
6/7/2017	0.019	
9/27/2017	0.0197	
3/15/2018	0.021	
9/13/2018	0.022	
3/14/2019	0.024	
9/11/2019	0.021	
3/10/2020	0.024	
9/11/2020	0.021	
3/11/2021	0.022	
8/6/2021	0.023	
2/1/2022		0.026
8/12/2022		0.022
2/14/2023		0.025
7/26/2023		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.0209	
5/17/2016	0.0202	
7/26/2016	0.0165	
9/20/2016	0.0132	
11/4/2016	0.012	
1/20/2017	0.0133	
3/28/2017	0.0161	
6/7/2017	0.0141	
9/29/2017	0.0151	
3/15/2018	0.015	
9/13/2018	0.014	
3/18/2019	0.014	
9/11/2019	0.013	
3/10/2020	0.013	
9/14/2020	0.013	
3/11/2021	0.012	
8/5/2021	0.013	
1/31/2022		0.011
8/15/2022		0.0098
2/14/2023		0.011
7/26/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.0144	
5/18/2016	0.0136	
7/27/2016	0.013	
9/20/2016	0.0146	
11/7/2016	0.0124	
1/23/2017	0.0158	
3/29/2017	0.017	
6/8/2017	0.0149	
9/27/2017	0.012	
3/15/2018	0.011	
9/13/2018	0.011	
3/15/2019	0.01	
9/12/2019	0.0085 (J)	
3/9/2020	0.0089 (J)	
9/14/2020	0.0082 (J)	
3/11/2021	0.0083	
8/5/2021	0.0077	
2/1/2022		0.0081
8/15/2022		0.0074
2/14/2023		0.0075
7/27/2023		0.0083

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0344	
5/18/2016	0.0184	
7/27/2016	0.0146	
9/20/2016	0.0122	
11/4/2016	0.0119	
1/20/2017	0.0114	
3/29/2017	0.0116	
6/8/2017	<0.011 (*)	
9/27/2017	0.0098 (J)	
3/16/2018	0.01	
9/13/2018	0.0092 (J)	
3/19/2019	0.0088 (J)	
9/11/2019	0.0097 (J)	
3/9/2020	0.0082 (J)	
9/15/2020	0.0084 (J)	
3/11/2021	0.0073	
8/5/2021	0.0069	
2/1/2022		0.0077
8/15/2022		0.0077
2/14/2023		0.0072
7/27/2023		0.0076

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.0361	
5/17/2016	0.0277	
7/27/2016	0.0276	
9/20/2016	0.0266	
11/4/2016	0.0239	
1/23/2017	<0.01	
3/28/2017	0.024	
6/8/2017	0.0317	
9/29/2017	0.0265	
3/15/2018	0.029	
9/13/2018	0.026	
3/15/2019	0.026	
9/11/2019	0.0295 (D)	
3/9/2020	0.029	
9/14/2020	0.035	
3/11/2021	0.038	
5/26/2021	0.039	
8/4/2021	0.034	
1/31/2022		0.038
8/15/2022		0.045
2/14/2023		0.04
7/26/2023		0.048

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	0.0112	
5/18/2016	0.0107	
7/27/2016	0.0104	
9/21/2016	0.0106	
11/4/2016	0.0098 (J)	
1/24/2017	0.0101	
3/29/2017	0.0103	
6/8/2017	<0.0106 (*)	
9/29/2017	0.0097 (J)	
3/15/2018	0.0093 (J)	
9/13/2018	0.01	
3/18/2019	0.015	
9/11/2019	0.017	
3/11/2020	0.026	
9/11/2020	0.012	
3/15/2021	0.012	
8/11/2021	0.025	
2/1/2022		0.011
8/15/2022		0.0098
2/14/2023		0.013
7/27/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.0121	
5/18/2016	0.0117	
7/28/2016	0.0081 (J)	
9/21/2016	0.0106	
11/7/2016	0.0047 (J)	
1/24/2017	0.0071 (J)	
3/30/2017	0.0043 (J)	
6/9/2017	<0.01 (*)	
9/29/2017	0.004 (J)	
3/15/2018	0.0032 (J)	
9/14/2018	0.004 (J)	
3/19/2019	0.0033 (J)	
9/11/2019	0.0038 (J)	
3/9/2020	0.0045 (J)	
9/14/2020	0.0027 (J)	
3/15/2021	0.0028 (J)	
8/5/2021	0.0036 (J)	
2/1/2022		0.003 (J)
8/15/2022		0.0041 (J)
2/14/2023		0.0041 (J)
7/27/2023		0.0036 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.017	
10/25/2007	0.023	
11/19/2007	0.024	
1/23/2008	0.028	
3/11/2008	0.022	
5/12/2008	0.021	
12/11/2008	0.022	
4/15/2009	0.13 (O)	
10/9/2009	0.026	
5/4/2010	0.018	
10/12/2010	0.019	
4/28/2011	0.015	
10/19/2011	0.016	
5/2/2012	0.0191	
10/9/2012	0.019	
4/11/2013	0.013	
10/16/2013	0.017	
4/23/2014	0.015	
10/3/2014	0.02	
3/31/2015	0.014	
10/12/2015	0.017	
3/28/2016	0.0173	
5/25/2016	0.0175	
8/1/2016	0.0145	
9/27/2016	0.0139	
11/11/2016	0.0135	
1/31/2017	0.0153	
4/3/2017	0.0135	
6/12/2017	0.0154	
10/3/2017	0.0138	
3/19/2018	0.013	
9/17/2018	0.014	
3/20/2019	0.018	
9/16/2019	0.022	
3/16/2020	0.024	
9/16/2020	0.013	
3/17/2021	0.014	
8/9/2021	0.012	
2/2/2022		0.012
8/16/2022		0.013
2/20/2023		0.012
7/28/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.023	
10/25/2007	0.018	
11/20/2007	0.1 (O)	
1/23/2008	0.031	
3/11/2008	0.016	
5/14/2008	0.024	
12/11/2008	0.022	
4/23/2009	0.012	
10/9/2009	0.11 (O)	
5/4/2010	0.096 (O)	
10/11/2010	0.018	
4/26/2011	0.01	
10/18/2011	0.012	
5/2/2012	0.0119	
10/8/2012	0.01	
4/10/2013	0.013	
10/8/2013	0.014	
4/14/2014	0.01	
10/3/2014	0.014	
4/1/2015	0.013	
10/9/2015	0.008	
3/29/2016	0.00738 (J)	
5/24/2016	0.00902 (J)	
8/1/2016	0.0091 (J)	
9/26/2016	0.0124	
11/18/2016	0.0117	
2/1/2017	0.0086 (J)	
4/6/2017	0.0083 (J)	
6/13/2017	<0.01	
10/3/2017	0.0084 (J)	
3/19/2018	0.0079 (J)	
9/17/2018	0.0065 (J)	
3/21/2019	0.0074 (J)	
9/16/2019	0.0075 (J)	
3/12/2020	0.0075 (J)	
9/16/2020	0.0074 (J)	
3/17/2021	0.0075	
8/10/2021	0.0074	
2/2/2022		0.0064
8/17/2022		0.0065
2/17/2023		0.0067
7/31/2023		0.0067

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.016	
6/18/2015	0.015 (D)	
7/2/2015	0.014	
10/9/2015	0.012	
3/29/2016	0.00786 (J)	
5/24/2016	0.00847 (J)	
8/1/2016	0.0086 (J)	
9/26/2016	0.0086 (J)	
11/14/2016	0.0083 (J)	
2/1/2017	0.0096 (J)	
4/6/2017	0.0087 (J)	
6/13/2017	<0.01	
10/3/2017	0.0098 (J)	
3/20/2018	0.0088 (J)	
9/17/2018	0.0082 (J)	
3/21/2019	0.0075 (J)	
9/16/2019	0.0072 (J)	
3/12/2020	0.0072 (J)	
9/16/2020	0.0066 (J)	
3/17/2021	0.0072	
8/10/2021	0.0072	
2/2/2022		0.0066
8/17/2022		0.0068
2/17/2023		0.0067
7/28/2023		0.0062

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	0.0178	
8/2/2016	0.0394	
9/27/2016	0.032	
11/21/2016	0.0316 (J)	
2/1/2017	0.0264	
4/6/2017	0.0245	
6/13/2017	0.0247	
7/14/2017	0.0245	
10/3/2017	0.0218	
3/20/2018	0.024	
9/18/2018	0.027	
3/21/2019	0.03	
9/13/2019	0.031	
3/12/2020	0.022	
9/16/2020	0.02	
3/17/2021	0.022	
8/10/2021	0.02	
2/2/2022		0.015
8/17/2022		0.014
2/20/2023		0.015
7/31/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	0.015	
4/30/2012	0.0192	
10/3/2012	0.017	
4/8/2013	0.018	
10/9/2013	0.021	
4/10/2014	0.019	
10/2/2014	0.014	
4/3/2015	0.014	
10/8/2015	0.024	
3/30/2016	0.0163	
5/24/2016	0.0137	
8/2/2016	0.0152	
9/27/2016	0.0147	
11/22/2016	0.0174 (J)	
2/6/2017	0.0144	
4/6/2017	0.0149	
6/14/2017	0.0139	
10/4/2017	0.015	
3/21/2018	0.015	
9/18/2018	0.014	
3/27/2019	0.014	
9/16/2019	0.015 (D)	
3/12/2020	0.014	
9/17/2020	0.014	
3/17/2021	0.014	
8/10/2021	0.014	
2/2/2022		0.013
8/17/2022		0.013
2/21/2023		0.011
7/31/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.06	
6/18/2015	0.047 (D)	
7/2/2015	0.04	
10/8/2015	0.032	
3/22/2016	0.0263	
5/25/2016	0.0178	
8/2/2016	0.0265	
9/26/2016	0.0267	
11/21/2016	0.0309 (J)	
2/3/2017	0.0289	
4/7/2017	0.029	
6/13/2017	0.027	
10/3/2017	0.0292	
3/20/2018	0.029	
9/18/2018	0.025	
5/6/2019	0.017	
9/16/2019	0.026	
3/16/2020	0.027	
9/17/2020	0.025	
3/18/2021	0.018	
8/10/2021	0.029	
2/2/2022		0.024
8/17/2022		0.017
2/20/2023		0.024
7/31/2023		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.043	
11/1/2007	0.032	
11/19/2007	0.049 (J)	
1/15/2008	0.12 (O)	
3/6/2008	0.075 (O)	
5/13/2008	0.055	
12/12/2008	0.16 (O)	
4/16/2009	0.15 (O)	
10/13/2009	0.05	
4/21/2010	0.039	
9/29/2010	0.033	
4/13/2011	0.033	
10/5/2011	0.035	
4/4/2012	0.0422	
10/8/2012	0.029	
4/8/2013	0.042	
10/9/2013	0.04	
4/9/2014	0.038	
9/30/2014	0.038	
4/2/2015	0.039	
10/10/2015	0.038 (D)	
3/30/2016	0.0412	
5/26/2016	0.0357	
8/5/2016	0.03	
9/28/2016	0.0308	
11/21/2016	0.0356 (J)	
2/6/2017	0.0391	
4/6/2017	0.0402	
6/13/2017	0.0394	
10/3/2017	0.0381	
3/20/2018	0.039	
9/18/2018	0.037	
3/21/2019	0.042	
9/16/2019	0.035	
3/12/2020	0.044	
9/17/2020	0.031	
3/18/2021	0.041	
8/10/2021	0.043	
2/2/2022		0.044
8/17/2022		0.047
2/21/2023		0.042
7/31/2023		0.046

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.0005	
10/23/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/10/2008	<0.0005	
5/13/2008	<0.0005	
12/5/2008	<0.0005	
4/15/2009	<0.0005	
10/7/2009	<0.0005	
5/3/2010	<0.0005	
10/12/2010	<0.0005	
4/27/2011	<0.0005	
10/17/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/12/2013	<0.0005	
10/16/2013	<0.0005	
4/11/2014	<0.0005	
9/30/2014	<0.0005	
3/30/2015	<0.0005	
10/13/2015	0.0003 (J)	
3/22/2016	<0.0005	
5/19/2016	<0.0005	
7/29/2016	<0.0005	
9/23/2016	<0.0005	
11/9/2016	<0.0005	
1/30/2017	<0.0005	
3/30/2017	<0.0005	
6/9/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	0.00076 (JD)	
3/20/2019	<0.0005	
9/12/2019	<0.0005	
3/11/2020	<0.0005	
9/15/2020	<0.0005	
3/16/2021	<0.0005	
8/9/2021	<0.0005	
2/1/2022		<0.0005
8/16/2022		<0.0005
2/16/2023		<0.0005
7/27/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.0005 (D)	
7/27/2016	0.0001 (JD)	
2/21/2017	<0.0005	
3/27/2017	<0.0005 (D)	
6/8/2017	<0.0005 (D)	
7/17/2017	<0.0005 (D)	
7/27/2017	<0.0005	
8/9/2017	<0.0005	
9/29/2017	<0.0005 (D)	
3/16/2018	<0.0005	
9/14/2018	<0.0005	
3/14/2019	<0.0005	
3/9/2020	<0.0005	
9/16/2020	<0.0005	
3/16/2021	<0.0005	
8/6/2021	<0.0005	
2/2/2022		<0.0005
8/16/2022		<0.0005
2/14/2023		<0.0005
7/25/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.000188 (J)	
5/11/2016	0.000177 (J)	
7/19/2016	0.0001 (J)	
9/15/2016	8E-05 (J)	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/7/2017	<0.0005	
9/26/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	<0.0005	
3/15/2019	<0.0005	
9/9/2019	<0.0005	
3/9/2020	<0.0005	
9/10/2020	<0.0005	
3/12/2021	<0.0005	
8/4/2021	<0.0005	
1/31/2022		<0.0005
8/10/2022		<0.0005
2/13/2023		<0.0005
7/26/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.000121 (J)	
5/16/2016	0.000145 (J)	
7/22/2016	<0.0005	
9/19/2016	0.0001 (J)	
11/3/2016	8E-05 (J)	
1/17/2017	0.0001 (J)	
3/27/2017	0.0002 (J)	
6/7/2017	0.0001 (J)	
9/26/2017	<0.0005	
3/14/2018	0.00011 (J)	
9/14/2018	0.00013 (J)	
3/14/2019	0.00013 (J)	
9/10/2019	0.00014 (J)	
3/6/2020	0.00014 (J)	
9/10/2020	0.00015 (J)	
3/11/2021	0.00017 (J)	
8/4/2021	0.00014 (J)	
1/31/2022		0.00018 (J)
8/10/2022		0.00034 (J)
2/13/2023		<0.0005
7/26/2023		0.00013 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.0005	
5/13/2016	<0.0005	
7/19/2016	<0.0005	
9/16/2016	<0.0005	
11/2/2016	<0.0005	
1/18/2017	<0.0005	
3/28/2017	<0.0005	
6/6/2017	8E-05 (J)	
9/22/2017	<0.0005	
3/14/2018	<0.0005	
9/12/2018	<0.0005	
3/13/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/11/2020	<0.0005	
3/11/2021	<0.0005	
8/6/2021	<0.0005	
1/31/2022		<0.0005
8/11/2022		<0.0005
2/14/2023		<0.0005
7/25/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.0005	
4/23/2009	<0.0005	
10/6/2009	<0.0005	
4/27/2010	<0.0005	
9/30/2010	<0.0005	
4/14/2011	<0.0005	
10/5/2011	<0.0005	
4/11/2012	<0.0005	
10/2/2012	<0.0005	
4/9/2013	<0.0005	
10/15/2013	<0.0005	
4/10/2014	<0.0005	
10/1/2014	<0.0005	
3/30/2015	<0.0005	
10/11/2015	0.00026 (J)	
3/28/2016	<0.0005	
5/23/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	<0.0005	
11/10/2016	<0.0005	
1/30/2017	<0.0005	
4/7/2017	<0.0005	
6/12/2017	<0.0005	
10/2/2017	<0.0005	
3/16/2018	<0.0005	
9/17/2018	<0.0005	
3/19/2019	<0.0005	
9/13/2019	<0.0005	
3/11/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	0.00012 (J)	
8/9/2021	<0.0005	
2/1/2022		<0.0005
8/16/2022		<0.0005
2/16/2023		<0.0005
7/28/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/20/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/12/2008	<0.0005	
12/13/2008	<0.0005	
4/29/2009	<0.0005	
10/20/2009	<0.0005	
4/26/2010	<0.0005	
9/29/2010	<0.0005	
4/13/2011	<0.0005	
10/5/2011	<0.0005	
4/4/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/15/2013	<0.0005	
4/9/2014	<0.0005	
10/2/2014	<0.0005	
4/2/2015	<0.0005	
10/10/2015	<0.0005	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/5/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/10/2021	<0.0005	
2/4/2022		<0.0005
8/17/2022		0.00018 (J)
2/20/2023		<0.0005
7/31/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/20/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/8/2008	<0.0005	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/21/2009	<0.0005	
4/21/2010	<0.0005	
9/28/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
10/8/2012	<0.0005	
4/3/2013	<0.0005	
10/15/2013	<0.0005	
4/9/2014	<0.0005	
10/2/2014	<0.0005	
4/2/2015	<0.0005	
10/12/2015	<0.0005	
3/31/2016	<0.0005	
5/26/2016	<0.0005	
8/3/2016	<0.0005	
9/28/2016	0.0002 (J)	
11/22/2016	<0.0005	
2/7/2017	<0.0005	
4/10/2017	<0.0005	
6/14/2017	<0.0005	
10/4/2017	<0.0005	
3/21/2018	<0.0005	
9/18/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/20/2023		<0.0005
7/31/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.0005	
11/1/2007	<0.0005	
11/18/2007	<0.0005	
1/30/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/14/2008	<0.0005	
4/29/2009	<0.0005	
10/22/2009	<0.0005	
4/21/2010	<0.0005	
9/29/2010	<0.0005	
4/13/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
10/3/2012	<0.0005	
4/3/2013	<0.0005	
10/9/2013	<0.0005	
4/2/2014	<0.0005	
10/2/2014	<0.0005	
4/1/2015	0.00033 (J)	
10/11/2015	0.00056 (J)	
4/4/2016	<0.0005	
5/26/2016	<0.0005	
8/4/2016	<0.0005	
9/28/2016	<0.0005	
11/22/2016	<0.0005	
2/8/2017	<0.0005	
4/10/2017	<0.0005	
6/15/2017	<0.0005	
10/4/2017	<0.0005	
3/22/2018	<0.0005	
9/18/2018	<0.0005	
3/23/2019	<0.0005	
9/17/2019	<0.0005	
3/12/2020	<0.0005	
9/21/2020	<0.0005	
3/19/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/20/2023		<0.0005
8/1/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019	0.00035 (J)	
9/17/2019	0.000575 (JD)	
3/12/2020	0.00089 (J)	
9/21/2020	0.00025 (J)	
3/19/2021	0.00027 (J)	
8/11/2021	0.00048 (J)	
2/2/2022		0.0012
4/28/2022		0.00067
8/18/2022		0.00052
2/21/2023		0.0004 (J)
8/1/2023		0.00035 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/5/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/16/2009	<0.0005	
10/20/2009	<0.0005	
4/20/2010	<0.0005	
9/29/2010	<0.0005	
4/12/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	<0.0005	
4/5/2016	<0.0005	
6/1/2016	<0.0005	
8/9/2016	<0.0005	
11/28/2016	<0.0005	
2/9/2017	0.0001 (J)	
4/11/2017	<0.0005	
6/14/2017	<0.0005	
7/12/2017	<0.0005	
10/5/2017	<0.0005	
3/22/2018	<0.0005	
9/19/2018	<0.0005	
3/22/2019	<0.0005	
9/17/2019	<0.0005	
3/13/2020	<0.0005	
9/21/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/18/2022		<0.0005
2/22/2023		<0.0005
8/1/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.0005	
11/2/2007	<0.0005	
11/17/2007	<0.0005	
1/15/2008	<0.0005	
3/6/2008	<0.0005	
5/7/2008	<0.0005	
12/2/2008	<0.0005	
4/28/2009	<0.0005	
10/19/2009	<0.0005	
4/27/2010	<0.0005	
10/4/2010	<0.0005	
4/18/2011	<0.0005	
10/12/2011	<0.0005	
4/23/2012	<0.0005	
10/10/2012	<0.0005	
4/15/2013	<0.0005	
10/22/2013	<0.0005	
4/21/2014	<0.0005	
9/30/2014	<0.0005	
4/3/2015	<0.0005	
10/7/2015	0.00028 (J)	
4/5/2016	0.000194 (J)	
5/31/2016	0.000206 (J)	
8/4/2016	<0.0005	
9/29/2016	0.0002 (J)	
11/23/2016	0.0001 (J)	
2/10/2017	<0.0005	
4/12/2017	<0.0005	
6/15/2017	<0.0005	
10/6/2017	<0.0005	
3/23/2018	<0.0005	
9/19/2018	<0.0005	
3/25/2019	<0.0005	
9/17/2019	<0.0005	
3/13/2020	<0.0005	
9/21/2020	<0.0005	
3/18/2021	<0.0005	
8/11/2021	<0.0005	
2/4/2022		<0.0005
8/19/2022		<0.0005
2/22/2023		<0.0005
8/2/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.0005	
5/16/2016	<0.0005	
7/25/2016	<0.0005	
9/19/2016	<0.0005	
11/3/2016	<0.0005	
1/19/2017	<0.0005	
3/28/2017	<0.0005	
6/5/2017	8E-05 (J)	
9/26/2017	<0.0005	
3/15/2018	<0.0005	
9/12/2018	<0.0005	
3/14/2019	<0.0005	
9/11/2019	<0.0005	
3/10/2020	<0.0005	
9/15/2020	<0.0005	
3/11/2021	<0.0005	
8/4/2021	<0.0005	
1/31/2022		<0.0005
8/15/2022		<0.0005
2/14/2023		<0.0005
7/26/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.000113 (J)	
5/16/2016	<0.0005 (D)	
7/25/2016	<0.0005 (D)	
9/19/2016	<0.0005 (D)	
11/3/2016	<0.0005 (D)	
1/20/2017	<0.0005 (D)	
3/29/2017	<0.0005 (D)	
6/7/2017	<0.0005	
9/27/2017	<0.0005	
3/15/2018	<0.0005	
9/13/2018	<0.0005	
3/14/2019	<0.0005 (D)	
9/11/2019	<0.0005 (D)	
3/10/2020	<0.0005	
9/11/2020	<0.0005	
3/11/2021	<0.0005	
8/6/2021	<0.0005	
2/1/2022		<0.0005
8/12/2022		<0.0005
2/14/2023		<0.0005
7/26/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	8E-05 (J)	
11/7/2016	<0.0005	
1/23/2017	<0.0005	
3/29/2017	<0.0005	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/15/2018	9.3E-05 (J)	
9/13/2018	<0.0005	
3/15/2019	0.00015 (J)	
9/12/2019	<0.0005	
3/9/2020	0.00015 (J)	
9/14/2020	0.00014 (J)	
3/11/2021	0.00018 (J)	
8/5/2021	<0.0005	
2/1/2022		0.00014 (J)
8/15/2022		<0.0005
2/14/2023		<0.0005
7/27/2023		0.00017 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.0005	
5/18/2016	<0.0005	
7/27/2016	<0.0005	
9/20/2016	<0.0005	
11/4/2016	<0.0005	
1/20/2017	<0.0005	
3/29/2017	<0.0005	
6/8/2017	<0.0005	
9/27/2017	<0.0005	
3/16/2018	<0.0005	
9/13/2018	<0.0005	
3/19/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/15/2020	<0.0005	
3/11/2021	<0.0005	
8/5/2021	<0.0005	
2/1/2022		<0.0005
8/15/2022		0.00016 (J)
2/14/2023		<0.0005
7/27/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.000148 (J)	
5/17/2016	0.000251 (J)	
7/27/2016	0.0002 (J)	
9/20/2016	0.0002 (J)	
11/4/2016	0.0001 (J)	
1/23/2017	<0.001	
3/28/2017	0.0001 (J)	
6/8/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.00018 (J)	
9/13/2018	0.00012 (J)	
3/15/2019	0.00018 (J)	
9/11/2019	0.00021 (JD)	
3/9/2020	0.00016 (J)	
9/14/2020	0.00019 (J)	
3/11/2021	0.00021 (J)	
8/4/2021	0.0002 (J)	
1/31/2022		0.0002 (J)
8/15/2022		0.00022 (J)
2/14/2023		0.00015 (J)
7/26/2023		0.00033 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.0005	
5/18/2016	<0.0005	
7/28/2016	<0.0005	
9/21/2016	9E-05 (J)	
11/7/2016	0.0001 (J)	
1/24/2017	0.0002 (J)	
3/30/2017	0.0002 (J)	
6/9/2017	0.0002 (J)	
9/29/2017	0.0002 (J)	
3/15/2018	0.0001 (J)	
9/14/2018	<0.0005	
3/19/2019	<0.0005	
9/11/2019	<0.0005	
3/9/2020	<0.0005	
9/14/2020	<0.0005	
3/15/2021	<0.0005	
8/5/2021	<0.0005	
2/1/2022		<0.0005
8/15/2022		<0.0005
2/14/2023		<0.0005
7/27/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.0005	
10/25/2007	<0.0005	
11/19/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/12/2008	<0.0005	
12/11/2008	<0.0005	
4/15/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/12/2010	<0.0005	
4/28/2011	<0.0005	
10/19/2011	<0.0005	
5/2/2012	<0.0005	
10/9/2012	<0.0005	
4/11/2013	<0.0005	
10/16/2013	<0.0005	
4/23/2014	<0.0005	
10/3/2014	0.00033 (J)	
3/31/2015	<0.0005	
10/12/2015	<0.0005	
3/28/2016	0.000102 (J)	
5/25/2016	0.000148 (J)	
8/1/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/11/2016	9E-05 (J)	
1/31/2017	<0.0005	
4/3/2017	0.0001 (J)	
6/12/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/20/2019	<0.0005	
9/16/2019	<0.0005	
3/16/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	0.00013 (J)	
8/9/2021	<0.0005	
2/2/2022		<0.0005
8/16/2022		<0.0005
2/20/2023		<0.0005
7/28/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.0005	
10/25/2007	<0.0005	
11/20/2007	<0.0005	
1/23/2008	<0.0005	
3/11/2008	<0.0005	
5/14/2008	<0.0005	
12/11/2008	<0.0005	
4/23/2009	<0.0005	
10/9/2009	<0.0005	
5/4/2010	<0.0005	
10/11/2010	<0.0005	
4/26/2011	<0.0005	
10/18/2011	<0.0005	
5/2/2012	<0.0005	
10/8/2012	<0.0005	
4/10/2013	<0.0005	
10/8/2013	<0.0005	
4/14/2014	<0.0005	
10/3/2014	<0.0005	
4/1/2015	<0.0005	
10/9/2015	<0.0005	
3/29/2016	<0.0005	
5/24/2016	<0.0005	
8/1/2016	<0.0005	
9/26/2016	8E-05 (J)	
11/18/2016	8E-05 (J)	
2/1/2017	<0.0005	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
10/3/2017	<0.0005	
3/19/2018	<0.0005	
9/17/2018	<0.0005	
3/21/2019	<0.0005	
9/16/2019	<0.0005	
3/12/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/17/2023		<0.0005
7/31/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.0005	
8/2/2016	<0.0005	
9/27/2016	<0.0005	
11/21/2016	<0.0005	
2/1/2017	9E-05 (J)	
4/6/2017	<0.0005	
6/13/2017	<0.0005	
7/14/2017	<0.0005	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
3/21/2019	<0.0005	
9/13/2019	<0.0005	
3/12/2020	<0.0005	
9/16/2020	<0.0005	
3/17/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/20/2023		<0.0005
7/31/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.0005	
6/18/2015	<0.0005 (D)	
7/2/2015	<0.0005	
10/8/2015	<0.0005	
3/22/2016	<0.0005	
5/25/2016	<0.0005	
8/2/2016	<0.0005	
9/26/2016	<0.0005	
11/21/2016	<0.0005	
2/3/2017	0.0001 (J)	
4/7/2017	<0.0005	
6/13/2017	0.0002 (J)	
10/3/2017	<0.0005	
3/20/2018	<0.0005	
9/18/2018	<0.0005	
5/6/2019	<0.0005	
9/16/2019	<0.0005	
3/16/2020	<0.0005	
9/17/2020	<0.0005	
3/18/2021	<0.0005	
8/10/2021	<0.0005	
2/2/2022		<0.0005
8/17/2022		<0.0005
2/20/2023		<0.0005
7/31/2023		<0.0005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	0.011	
11/18/2007	0.038 (O)	
1/30/2008	0.11 (O)	
3/10/2008	0.038 (O)	
5/13/2008	0.012	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0065	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	0.0019	
10/16/2013	0.0024	
4/11/2014	0.0013 (J)	
9/30/2014	<0.005	
3/30/2015	0.0047	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	0.0011 (J)	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	0.0012 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0045	
10/24/2007	0.039 (O)	
11/18/2007	0.059 (O)	
1/31/2008	0.0067	
3/11/2008	0.03 (O)	
5/6/2008	0.0062	
12/4/2008	0.009	
4/21/2009	0.0022	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	0.0013	
10/15/2013	0.0023	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0011 (J)	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	0.0008 (J)	
10/2/2017	<0.005	
3/19/2018	0.0031 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	0.0025 (J)	
9/15/2020	0.00086 (J)	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	0.0033	
11/18/2007	0.012	
1/31/2008	0.052 (O)	
3/10/2008	0.01	
5/13/2008	0.0068	
12/4/2008	0.0017	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.0042 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0017 (JD)	
2/21/2017	0.001 (J)	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	0.0005 (J)	
8/9/2017	0.0005 (J)	
9/29/2017	0.0006 (JD)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	0.004 (J)	
3/9/2020	0.0016 (J)	
9/16/2020	0.00058 (J)	
3/16/2021	0.0008 (J)	
8/6/2021	<0.005	
2/2/2022		0.0012 (J)
8/16/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	<0.005	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.069 (o)	
9/10/2020	<0.005	
3/12/2021	0.00064 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.005	
11/2/2007	0.027 (O)	
11/18/2007	0.17 (O)	
1/31/2008	0.012	
3/11/2008	0.063 (O)	
5/14/2008	0.057 (O)	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	0.0013	
4/23/2014	<0.005	
10/4/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	0.0013 (J)	
11/10/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/4/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/13/2019	0.00073 (J)	
3/11/2020	0.00095 (J)	
3/29/2021	0.00062 (J)	
8/9/2021	<0.005	
2/2/2022		0.0069
8/16/2022		<0.005
2/17/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005 (*)	
5/24/2017	0.0008 (J)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.0009 (J)	
9/11/2020	<0.005	
3/10/2021	0.00075 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005 (*)	
6/6/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005 (D)	
3/6/2020	0.015	
9/10/2020	<0.005	
3/11/2021	0.0015 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	<0.005	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/6/2017	0.0004 (J)	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	0.0004 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00045 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
6/6/2017	0.0004 (J)	
9/22/2017	0.0008 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00051 (J)	
3/9/2020	0.0033 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		0.0016 (J)
7/25/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00212 (J)	
5/13/2016	<0.005	
7/19/2016	0.0006 (J)	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	0.0014 (J)	
3/28/2017	<0.005 (*)	
6/6/2017	0.0009 (J)	
9/22/2017	0.0006 (J)	
3/15/2018	0.0017 (J)	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00066 (J)	
3/9/2020	0.0014 (J)	
9/14/2020	0.0011 (J)	
3/11/2021	0.0011 (J)	
8/5/2021	<0.005	
1/31/2022		0.0011 (J)
8/10/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	0.0014	
4/14/2011	0.0014	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0013 (J)	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/10/2016	<0.005	
1/30/2017	<0.005	
4/7/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.0011 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	0.0031	
10/6/2009	0.0024	
5/3/2010	<0.005	
10/11/2010	0.0028	
4/27/2011	0.0041	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	0.0019	
4/10/2013	0.0027	
10/16/2013	0.0029	
4/22/2014	0.0024	
10/1/2014	<0.005	
3/30/2015	0.0022	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0005 (J)	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/16/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.0015	
11/1/2007	0.011	
11/20/2007	0.042 (o)	
1/30/2008	0.034	
3/6/2008	0.027	
5/12/2008	0.015	
12/13/2008	0.0036	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	0.0034	
4/13/2011	<0.005	
10/5/2011	0.0032	
4/4/2012	<0.005	
10/3/2012	0.0047	
4/3/2013	0.0014	
10/15/2013	0.002	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0013	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	0.0024 (J)	
2/7/2017	0.0015 (J)	
4/10/2017	<0.005	
6/14/2017	0.0006 (J)	
10/4/2017	0.0027 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.0009 (J)	
3/12/2020	0.00047 (J)	
9/17/2020	0.0011 (J)	
3/18/2021	0.00068 (J)	
8/10/2021	<0.005	
2/4/2022		<0.005
8/17/2022		0.0013 (J)
2/20/2023		<0.005
7/31/2023		0.0019 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.036 (O)	
11/1/2007	0.01	
11/20/2007	0.0039	
1/30/2008	0.019 (O)	
3/6/2008	<0.005	
5/8/2008	0.01	
12/14/2008	0.0038	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	0.0019	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/7/2017	0.0019 (J)	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00067 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.002 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.025 (o)	
12/14/2008	0.0021	
4/29/2009	0.011	
10/22/2009	0.01	
4/21/2010	0.0053	
9/28/2010	0.0076	
4/12/2011	0.0095	
10/4/2011	0.0091	
4/3/2012	0.0076	
10/3/2012	0.0039	
4/3/2013	<0.005	
10/9/2013	0.0089	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0062	
10/11/2015	<0.005	
4/4/2016	0.00656 (J)	
5/26/2016	0.00752 (J)	
8/3/2016	0.0067 (J)	
9/28/2016	0.0082 (J)	
11/22/2016	0.0045 (J)	
2/8/2017	0.0101	
4/10/2017	0.0094 (J)	
6/15/2017	0.009 (J)	
10/4/2017	0.0008 (J)	
3/21/2018	0.0079 (J)	
9/18/2018	0.0081 (J)	
3/23/2019	<0.005	
9/17/2019	0.0079 (J)	
3/12/2020	0.00084 (J)	
9/21/2020	0.0081 (J)	
3/19/2021	0.0073	
8/11/2021	<0.005	
2/4/2022		0.0071
8/18/2022		<0.005
2/20/2023		0.0015 (J)
8/1/2023		0.0074

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.037	
11/1/2007	0.04	
11/18/2007	0.045	
1/30/2008	0.041	
3/6/2008	0.042	
5/7/2008	0.029	
12/14/2008	0.032	
4/29/2009	0.017	
10/22/2009	0.022	
4/21/2010	0.021	
9/29/2010	0.024	
4/13/2011	0.014	
10/4/2011	0.017	
4/4/2012	0.014	
10/3/2012	0.0033	
4/3/2013	0.017	
10/9/2013	0.015	
4/2/2014	0.014	
10/2/2014	0.0048	
4/1/2015	0.0084	
10/11/2015	0.019	
4/4/2016	0.00728 (J)	
5/26/2016	0.00553 (J)	
8/4/2016	0.0071 (J)	
9/28/2016	0.0093 (J)	
11/22/2016	0.0058 (J)	
2/8/2017	0.0072 (J)	
4/10/2017	<0.01	
6/15/2017	0.0066 (J)	
10/4/2017	0.0079 (J)	
3/22/2018	0.0062 (J)	
9/18/2018	0.0062 (J)	
3/23/2019	0.0048 (J)	
9/17/2019	0.0042 (J)	
3/12/2020	0.0042 (J)	
9/21/2020	0.0056 (J)	
3/19/2021	0.0079	
8/11/2021	0.0042 (J)	
2/4/2022		0.0042 (J)
8/18/2022		0.0046 (J)
2/20/2023		0.0037 (J)
8/1/2023		0.005 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.0013	
11/1/2007	<0.005	
11/19/2007	0.0056	
1/16/2008	0.039 (o)	
3/5/2008	0.03	
5/13/2008	0.0057	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	0.0015	
4/27/2010	0.0036	
10/5/2010	<0.005	
4/19/2011	0.003	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0018	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
5/27/2016	<0.005	
8/3/2016	<0.005	
9/30/2016	<0.005	
11/22/2016	<0.005	
2/13/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	0.0058 (JD)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005
8/1/2023		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0019	
11/1/2007	0.01	
11/19/2007	0.021	
1/31/2008	0.035	
3/5/2008	0.012	
5/12/2008	0.02	
12/13/2008	0.014	
4/28/2009	0.0079	
10/21/2009	0.0092	
4/28/2010	0.0086	
10/5/2010	0.0085	
4/19/2011	0.0089	
10/18/2011	0.0093	
4/25/2012	0.0075	
10/2/2012	0.017	
4/2/2013	0.0097	
10/8/2013	0.011	
4/1/2014	0.0074	
10/1/2014	0.0049	
4/1/2015	0.0072	
10/15/2015	0.0077	
4/4/2016	0.00615 (J)	
5/31/2016	0.00588 (J)	
8/4/2016	0.0056 (J)	
9/29/2016	0.0065 (J)	
11/28/2016	0.0064 (J)	
2/9/2017	0.0078 (J)	
4/12/2017	0.0077 (J)	
6/16/2017	0.0072 (J)	
10/9/2017	0.0079 (J)	
3/21/2018	0.0055 (J)	
9/19/2018	0.0059 (J)	
3/23/2019	0.0058 (J)	
9/18/2019	0.0063 (J)	
3/13/2020	0.0054 (J)	
9/22/2020	0.0062 (J)	
3/18/2021	0.0058	
8/11/2021	0.0074	
2/17/2022		0.0053
8/18/2022		0.0044 (J)
2/22/2023		0.0038 (J)
8/1/2023		0.0047 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	0.0042	
11/19/2007	0.0049	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.019 (O)	
4/29/2009	0.002	
10/21/2009	0.002	
4/28/2010	0.0049	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	0.0015	
4/2/2013	0.0017	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005 (D)	
2/22/2017	0.0012 (J)	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	0.002 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		0.0024 (J)
8/2/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.083 (O)	
11/2/2007	0.0071	
11/17/2007	0.012	
1/15/2008	0.043 (o)	
3/5/2008	0.0044	
5/7/2008	0.0084	
12/2/2008	0.0056	
4/16/2009	0.0042	
10/20/2009	0.0037	
4/20/2010	<0.005	
9/29/2010	0.0028	
4/12/2011	<0.005	
10/4/2011	0.0015	
4/4/2012	<0.005	
10/10/2012	0.0029	
4/15/2013	0.0036	
10/22/2013	0.0048	
4/21/2014	0.0043	
9/30/2014	0.0037	
4/3/2015	0.016	
10/7/2015	0.0092	
4/5/2016	0.00605 (J)	
6/1/2016	0.006 (J)	
8/9/2016	0.0086 (JD)	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	0.0006 (J)	
7/12/2017	0.0005 (J)	
10/5/2017	0.0006 (J)	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00046 (X)	
3/13/2020	0.00093 (J)	
9/21/2020	<0.005	
3/18/2021	0.0023 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.014	
11/2/2007	0.0036	
11/17/2007	0.031 (O)	
1/15/2008	0.011	
3/6/2008	0.0027	
5/7/2008	0.008	
12/2/2008	0.0059	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	0.0013	
4/18/2011	<0.005	
10/12/2011	0.0014	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	0.0021	
10/22/2013	<0.005	
4/21/2014	0.0013 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	0.0005 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	0.00044 (J)	
3/13/2020	0.0011 (J)	
9/21/2020	0.0016 (J)	
3/18/2021	0.00089 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.061 (O)	
11/2/2007	0.078 (O)	
11/18/2007	0.085 (O)	
1/15/2008	0.079 (O)	
3/10/2008	0.062 (O)	
5/13/2008	0.044 (O)	
12/2/2008	0.027	
4/28/2009	0.016	
10/20/2009	0.018	
4/27/2010	0.012	
10/5/2010	0.0067	
4/19/2011	0.0081	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	0.0029	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	0.0005 (J)	
7/12/2017	0.0008 (J)	
7/26/2017	0.0006 (J)	
10/6/2017	0.0008 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00064 (X)	
3/13/2020	0.0012 (J)	
9/21/2020	0.00089 (J)	
3/18/2021	0.00078 (J)	
8/11/2021	<0.005	
2/7/2022		0.0011 (J)
8/19/2022		<0.005
2/22/2023		0.0014 (J)
8/1/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	<0.005	
6/5/2017	<0.005	
9/26/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	0.00074 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.0015 (J)
7/26/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/4/2016	<0.005 (D)	
1/23/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	<0.005	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	0.0007 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
6/7/2017	0.0004 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	0.00092 (J)	
9/11/2020	0.00067 (J)	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		0.0058
7/26/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.01	
5/17/2016	<0.01	
7/26/2016	0.0017 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0018 (J)	
3/28/2017	<0.01 (*)	
6/7/2017	0.0018 (J)	
9/29/2017	0.0033 (J)	
3/15/2018	0.0021 (J)	
9/13/2018	0.0041 (J)	
3/18/2019	0.0022 (J)	
9/11/2019	0.0038 (J)	
3/10/2020	0.0035 (J)	
9/14/2020	0.006 (J)	
3/11/2021	0.0059	
5/26/2021	0.0052	
8/5/2021	0.0057	
1/31/2022		0.0051
8/15/2022		0.006
2/14/2023		0.005 (J)
7/26/2023		0.0073

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.00202 (J)	
5/18/2016	0.00248 (J)	
7/27/2016	0.0021 (J)	
9/20/2016	0.002 (J)	
11/7/2016	0.0023 (J)	
1/23/2017	0.0011 (J)	
3/29/2017	0.0012 (J)	
6/8/2017	0.0015 (J)	
9/27/2017	0.0021 (J)	
3/15/2018	0.0023 (J)	
9/13/2018	<0.01	
3/15/2019	<0.01	
9/12/2019	0.0014 (J)	
3/9/2020	0.0012 (J)	
9/14/2020	0.0022 (J)	
3/11/2021	0.0013 (J)	
8/5/2021	0.0014 (J)	
2/1/2022		0.0015 (J)
8/15/2022		0.0015 (J)
2/14/2023		0.0018 (J)
7/27/2023		0.0014 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.00668 (J)	
5/18/2016	0.00606 (JO)	
7/27/2016	0.0023 (J)	
9/20/2016	0.0021 (J)	
11/4/2016	0.0016 (J)	
1/20/2017	0.0016 (J)	
3/29/2017	0.001 (J)	
6/8/2017	0.0024 (J)	
9/27/2017	0.0021 (J)	
3/16/2018	0.003 (J)	
9/13/2018	0.0017 (J)	
3/19/2019	0.018	
9/11/2019	0.0015 (J)	
3/9/2020	0.0023 (J)	
9/15/2020	0.0017 (J)	
3/11/2021	0.0019 (J)	
8/5/2021	0.0022 (J)	
2/1/2022		0.0022 (J)
8/15/2022		0.0013 (J)
2/14/2023		0.0027 (J)
7/27/2023		0.0028 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00207 (J)	
5/17/2016	<0.01	
7/27/2016	0.0017 (J)	
9/20/2016	0.0024 (J)	
11/4/2016	0.0013 (J)	
1/23/2017	<0.01	
3/28/2017	<0.01 (*)	
6/8/2017	0.0016 (J)	
9/29/2017	0.002 (J)	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019	0.0023 (J)	
9/11/2019	0.00165 (JD)	
3/9/2020	0.0023 (J)	
9/14/2020	0.0024 (J)	
3/11/2021	0.0021 (J)	
8/4/2021	0.0018 (J)	
1/31/2022		0.002 (J)
8/15/2022		0.0019 (J)
2/14/2023		0.0019 (J)
7/26/2023		0.002 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	0.0006 (J)	
9/21/2016	0.0011 (J)	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	0.0004 (J)	
6/8/2017	0.0005 (J)	
9/29/2017	0.0005 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	0.00063 (J)	
3/11/2020	0.0012 (J)	
9/11/2020	<0.005	
3/15/2021	0.00076 (J)	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.00778 (J)	
5/18/2016	<0.005	
7/28/2016	0.0014 (J)	
9/21/2016	0.0009 (J)	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	0.0017 (J)	
9/11/2019	0.002 (J)	
3/9/2020	0.00096 (J)	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0076	
10/25/2007	0.015	
11/19/2007	0.013	
1/23/2008	0.032	
3/11/2008	0.024	
5/12/2008	0.016	
12/11/2008	0.013	
4/15/2009	0.0073	
10/9/2009	0.0037	
5/4/2010	<0.005	
10/12/2010	0.0023	
4/28/2011	0.002	
10/19/2011	0.0015	
5/2/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	0.0015	
10/16/2013	<0.005	
4/23/2014	0.0013 (J)	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	0.0005 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00078 (J)	
9/16/2020	<0.005	
3/17/2021	0.00069 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	0.002	
11/20/2007	0.017	
1/23/2008	0.064 (O)	
3/11/2008	0.013	
5/14/2008	0.027	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0014	
5/4/2010	<0.01	
10/11/2010	0.0027	
4/26/2011	0.0015	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	0.0013	
10/8/2013	0.0017	
4/14/2014	0.004	
10/3/2014	0.0017	
4/1/2015	0.0027	
10/9/2015	0.0016	
3/29/2016	0.00363 (J)	
5/24/2016	0.00263 (J)	
8/1/2016	<0.01	
9/26/2016	0.0014 (J)	
11/18/2016	<0.01	
2/1/2017	0.0024 (J)	
4/6/2017	<0.01	
6/13/2017	0.0031 (J)	
10/3/2017	0.0025 (J)	
3/19/2018	0.0035 (J)	
9/17/2018	0.0024 (J)	
3/21/2019	0.0029 (J)	
9/16/2019	0.002 (J)	
3/12/2020	0.0034 (J)	
9/16/2020	0.0022 (J)	
3/17/2021	0.0027 (J)	
8/10/2021	0.0027 (J)	
2/2/2022		0.0026 (J)
8/17/2022		0.0025 (J)
2/17/2023		0.0031 (J)
7/31/2023		0.0024 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0015	
6/18/2015	0.0013 (D)	
7/2/2015	0.0014	
10/9/2015	0.0015	
3/29/2016	<0.01	
5/24/2016	<0.01	
8/1/2016	<0.01	
9/26/2016	0.002 (J)	
11/14/2016	<0.01	
2/1/2017	0.0017 (J)	
4/6/2017	<0.01	
6/13/2017	0.0015 (J)	
10/3/2017	0.0018 (J)	
3/20/2018	0.0017 (J)	
9/17/2018	0.002 (J)	
3/21/2019	0.0025 (J)	
9/16/2019	0.002 (J)	
3/12/2020	0.0028 (J)	
9/16/2020	0.0023 (J)	
3/17/2021	0.0021 (J)	
8/10/2021	0.0021 (J)	
2/2/2022		0.0024 (J)
8/17/2022		0.0024 (J)
2/17/2023		0.0022 (J)
7/28/2023		0.0023 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/21/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
7/14/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005	
9/13/2019	<0.005	
3/12/2020	0.0014 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		0.0012 (J)
7/31/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0019	
4/10/2014	0.0034	
10/2/2014	0.0056	
4/3/2015	0.0022	
10/8/2015	0.0033	
3/30/2016	0.00308 (J)	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	0.0009 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	0.0021 (J)	
9/16/2019	0.000465 (JD)	
3/12/2020	0.0031 (J)	
9/17/2020	0.00086 (J)	
3/17/2021	0.00079 (J)	
8/10/2021	0.0014 (J)	
2/2/2022		0.0015 (J)
8/17/2022		0.0011 (J)
2/21/2023		0.0053
7/31/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.0024 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	0.00302 (J)	
5/25/2016	0.00441 (J)	
8/2/2016	<0.005	
9/26/2016	0.002 (J)	
11/21/2016	0.0017 (J)	
2/3/2017	0.0018 (J)	
4/7/2017	<0.005	
6/13/2017	0.0019 (J)	
10/3/2017	0.0022 (J)	
3/20/2018	0.0017 (J)	
9/18/2018	<0.005	
5/6/2019	0.0048 (J)	
9/16/2019	0.002 (J)	
3/16/2020	0.0015 (J)	
9/17/2020	0.0017 (J)	
3/18/2021	0.0015 (J)	
8/10/2021	0.0019 (J)	
2/2/2022		0.0021 (J)
8/17/2022		0.0014 (J)
2/20/2023		<0.005
7/31/2023		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	0.0061	
11/19/2007	0.018 (J)	
1/15/2008	0.078 (O)	
3/6/2008	0.054 (O)	
5/13/2008	0.0085	
12/12/2008	0.0023	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0013	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00115 (JD)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00045 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	0.0045	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0041	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0012 (J)	
10/13/2015	<0.005	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	0.0004 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/30/2017	<0.005	
3/30/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	0.00078 (J)	
9/12/2019	0.00047 (J)	
3/11/2020	0.00037 (J)	
9/15/2020	0.00048 (J)	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.013	
11/18/2007	0.0041	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	0.012	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/29/2016	<0.005	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	0.0083 (O)	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	0.001 (J)	
3/16/2021	<0.005	
8/9/2021	0.0016 (J)	
2/1/2022		0.00093 (J)
8/16/2022		0.0004 (J)
2/16/2023		0.00065 (J)
7/27/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.00313 (JD)	
7/27/2016	0.0057 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
6/8/2017	<0.005 (D)	
7/17/2017	<0.005 (D)	
7/27/2017	<0.005	
8/9/2017	<0.005	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	<0.005	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.00503 (J)	
5/11/2016	0.0114	
7/19/2016	0.0013 (J)	
9/15/2016	0.002 (J)	
11/2/2016	0.0005 (J)	
1/18/2017	0.0015 (J)	
3/28/2017	0.0025 (J)	
6/7/2017	0.0023 (J)	
9/26/2017	0.0011 (J)	
3/14/2018	0.00058 (J)	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.00075 (J)	
9/10/2020	<0.005	
3/12/2021	0.00079 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.0033	
11/2/2007	0.0046	
11/18/2007	0.0057	
1/31/2008	0.0055	
3/11/2008	0.0033	
5/14/2008	0.0044	
12/5/2008	0.0035	
4/15/2009	<0.005	
10/8/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/21/2011	<0.005	
10/13/2011	<0.005	
5/1/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/23/2014	0.0013 (J)	
10/4/2014	0.00081 (J)	
3/31/2015	0.0021	
10/12/2015	0.00078 (J)	
3/23/2016	<0.005	
5/23/2016	<0.005	
7/29/2016	0.0007 (J)	
9/22/2016	0.0007 (J)	
11/10/2016	0.0007 (J)	
1/31/2017	0.0007 (J)	
3/30/2017	0.0007 (J)	
6/12/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/19/2018	0.00059 (J)	
9/17/2018	0.00057 (J)	
3/20/2019	<0.005	
9/13/2019	0.00046 (J)	
3/11/2020	0.00041 (J)	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0006 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	0.0005 (J)	
6/6/2017	<0.005	
9/25/2017	0.0006 (J)	
3/14/2018	<0.005	
9/12/2018	0.0011 (J)	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/9/2020	<0.005	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005
7/25/2023		0.00053 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	0.0004 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
6/7/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00039 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		0.00039 (J)
7/26/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	0.00039 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	<0.01	
4/7/2017	0.0018 (J)	
6/14/2017	0.0045 (JD)	
7/12/2017	0.0046 (JD)	
7/20/2017	0.0109 (D)	
7/28/2017	0.0104	
8/9/2017	0.0022 (J)	
8/24/2017	0.0076 (J)	
10/3/2017	0.0028 (JD)	
3/21/2018	0.014	
9/18/2018	0.017	
3/21/2019	0.022 (D)	
9/12/2019	0.02 (D)	
3/12/2020	0.013	
9/17/2020	0.019	
3/16/2021	0.015	
8/10/2021	0.011	
2/3/2022		0.0059
8/17/2022		0.015
2/17/2023		0.017
7/28/2023		0.02

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.005	
4/23/2009	0.0029	
10/6/2009	<0.005	
5/3/2010	<0.005	
10/11/2010	<0.005	
4/27/2011	0.0028	
10/19/2011	<0.005	
5/1/2012	<0.005	
10/2/2012	<0.005	
4/10/2013	0.0014	
10/16/2013	0.0014	
4/22/2014	0.0013	
10/1/2014	<0.005	
3/30/2015	0.00079 (J)	
10/11/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/11/2016	<0.005	
1/30/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/18/2018	<0.005	
3/19/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/16/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	<0.005	
11/20/2007	0.0046	
1/30/2008	0.0079	
3/6/2008	0.0037	
5/12/2008	<0.005	
12/13/2008	0.013	
4/29/2009	<0.005	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	0.0018	
4/3/2013	0.0014	
10/15/2013	0.0018	
4/9/2014	0.0013 (J)	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	0.0006 (J)	
2/7/2017	0.0017 (J)	
4/10/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	0.0021 (J)	
9/18/2018	<0.005	
3/22/2019	0.0011 (J)	
9/17/2019	<0.005	
3/12/2020	0.0017 (J)	
9/17/2020	<0.005	
3/18/2021	0.001 (J)	
8/10/2021	0.00075 (J)	
2/4/2022		0.0018 (J)
8/17/2022		0.00051 (J)
2/20/2023		0.0026 (J)
7/31/2023		0.0007 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	0.0031	
11/1/2007	0.0034	
11/18/2007	0.0045	
1/30/2008	0.0027	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	0.0037	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.0036	
10/2/2014	0.016	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/3/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	0.11 (O)	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0026	
10/11/2015	0.00065 (J)	
4/4/2016	<0.005	
5/26/2016	<0.005	
8/4/2016	<0.005	
9/28/2016	<0.005	
11/22/2016	<0.005	
2/8/2017	<0.005	
4/10/2017	<0.005	
6/15/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.0013	
11/1/2007	0.0041	
11/19/2007	0.0055	
1/16/2008	0.008	
3/5/2008	0.98 (O)	
5/13/2008	0.01	
12/13/2008	0.0073	
4/16/2009	0.0033	
10/21/2009	0.0039	
4/27/2010	0.0044	
10/5/2010	0.005	
4/19/2011	0.0039	
10/12/2011	0.0032	
4/24/2012	<0.0013	
10/2/2012	<0.0013	
4/2/2013	0.0038	
10/9/2013	0.003	
4/1/2014	0.0027	
10/2/2014	0.0027	
4/1/2015	0.0028	
10/14/2015	0.003	
4/4/2016	0.00351 (J)	
5/27/2016	0.00332 (J)	
8/3/2016	0.003 (J)	
9/30/2016	0.0035 (J)	
11/22/2016	0.0027 (J)	
2/13/2017	0.003 (J)	
4/11/2017	0.0031 (J)	
6/14/2017	0.0031 (J)	
10/4/2017	0.0032 (J)	
3/22/2018	0.0033 (J)	
9/18/2018	0.0031 (J)	
3/23/2019	0.0032 (J)	
9/17/2019	0.00305 (D)	
3/12/2020	0.0031 (J)	
9/21/2020	0.0029 (J)	
3/19/2021	0.0029 (J)	
8/11/2021	0.0026 (J)	
2/2/2022		0.0034 (J)
8/18/2022		0.0028 (J)
2/21/2023		0.0029 (J)
8/1/2023		0.0032 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.01	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	0.0037	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.011	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.00051 (J)	
4/4/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/12/2017	<0.005	
6/16/2017	<0.005	
10/9/2017	<0.005	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.0005 (J)	
3/13/2020	<0.005	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.0079	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	<0.005	
4/11/2017	<0.005	
6/16/2017	<0.005	
7/12/2017	<0.005	
7/28/2017	<0.005	
8/10/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	0.0039	
1/15/2008	<0.005	
3/5/2008	0.005	
5/7/2008	<0.005	
12/2/2008	0.011	
4/16/2009	0.005	
10/20/2009	0.0074	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	0.0003 (J)	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	0.00058 (J)	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/12/2017	0.0006 (J)	
6/15/2017	0.0004 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	<0.005	
1/15/2008	0.0029	
3/10/2008	0.069 (O)	
5/13/2008	<0.005	
12/2/2008	0.0027	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
11/23/2016	<0.005	
2/10/2017	<0.005	
4/11/2017	<0.005	
6/15/2017	<0.005	
7/12/2017	<0.005	
7/26/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.002 (J)	
5/16/2016	<0.01	
7/25/2016	0.0015 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/19/2017	0.0013 (J)	
3/28/2017	0.0019 (J)	
6/5/2017	0.0022 (J)	
9/26/2017	0.0018 (J)	
3/15/2018	0.0018 (J)	
9/12/2018	0.0016 (J)	
3/14/2019	0.0022 (J)	
9/11/2019	0.0018 (J)	
3/10/2020	0.0021 (J)	
9/15/2020	0.0015 (J)	
3/11/2021	0.0016 (J)	
8/4/2021	0.0016 (J)	
1/31/2022		0.0017 (J)
8/15/2022		0.0014 (J)
2/14/2023		0.0014 (J)
7/26/2023		0.0015 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01 (D)	
7/25/2016	0.0017 (JD)	
9/19/2016	0.0017 (JD)	
11/4/2016	0.0013 (JD)	
1/23/2017	0.0013 (JD)	
3/29/2017	0.0013 (JD)	
6/7/2017	0.0011 (J)	
9/27/2017	0.0013 (J)	
3/15/2018	0.0012 (J)	
9/13/2018	0.001 (J)	
3/14/2019	0.0015 (JD)	
9/11/2019	0.0014 (JD)	
3/10/2020	0.0012 (J)	
9/11/2020	0.0012 (J)	
3/11/2021	0.0011 (J)	
8/6/2021	0.0011 (J)	
2/1/2022		0.0013 (J)
8/12/2022		0.0011 (J)
2/14/2023		0.0012 (J)
7/26/2023		0.0013 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0006 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00235 (J)	
5/17/2016	0.0025 (J)	
7/27/2016	0.0014 (J)	
9/20/2016	0.0015 (J)	
11/4/2016	0.0014 (J)	
1/23/2017	<0.01	
3/28/2017	0.0015 (J)	
6/8/2017	0.0016 (J)	
9/29/2017	0.0015 (J)	
3/15/2018	0.0013 (J)	
9/13/2018	0.0013 (J)	
3/15/2019	0.0012 (J)	
9/11/2019	0.00135 (JD)	
3/9/2020	0.0016 (J)	
9/14/2020	0.0017 (J)	
3/11/2021	0.0025 (J)	
8/4/2021	0.0017 (J)	
1/31/2022		0.0021 (J)
8/15/2022		0.0027 (J)
2/14/2023		0.0025 (J)
7/26/2023		0.0029 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.01	
5/18/2016	<0.01	
7/28/2016	0.0026 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0044 (J)	
1/24/2017	0.0049 (J)	
3/30/2017	0.0041 (J)	
6/9/2017	0.0054 (J)	
9/29/2017	0.0038 (J)	
3/15/2018	0.0026 (J)	
9/14/2018	0.0017 (J)	
3/19/2019	0.00069 (J)	
9/11/2019	0.00075 (J)	
3/9/2020	0.0028 (J)	
9/14/2020	0.0014 (J)	
3/15/2021	0.00056 (J)	
8/5/2021	0.0025 (J)	
2/1/2022		0.00066 (J)
8/15/2022		0.0015 (J)
2/14/2023		0.00096 (J)
7/27/2023		0.00044 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	0.0073	
3/11/2008	0.0025	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	0.0024	
4/11/2013	0.002	
10/16/2013	0.0023	
4/23/2014	0.003	
10/3/2014	0.0034	
3/31/2015	0.00079 (J)	
10/12/2015	0.00063 (J)	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	0.0005 (J)	
9/27/2016	<0.005	
11/11/2016	0.0006 (J)	
1/31/2017	0.0007 (J)	
4/3/2017	0.0005 (J)	
6/12/2017	0.0004 (J)	
10/3/2017	0.0003 (J)	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00031 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	0.0038	
11/20/2007	<0.005	
1/23/2008	0.0047	
3/11/2008	<0.005	
5/14/2008	<0.005	
12/11/2008	<0.005	
4/23/2009	<0.005	
10/9/2009	<0.005	
5/4/2010	<0.005	
10/11/2010	<0.005	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.0013 (J)	
10/3/2014	0.00071 (J)	
4/1/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/18/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.005	
8/2/2016	0.0018 (J)	
9/27/2016	0.0011 (J)	
11/21/2016	0.0008 (J)	
2/1/2017	0.0008 (J)	
4/6/2017	0.0008 (J)	
6/13/2017	0.0007 (J)	
7/14/2017	0.0005 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00076 (J)	
9/18/2018	0.00055 (J)	
3/21/2019	0.00059 (J)	
9/13/2019	0.00099 (J)	
3/12/2020	0.00031 (J)	
9/16/2020	0.00072 (J)	
3/17/2021	0.00045 (J)	
8/10/2021	0.00087 (J)	
2/2/2022		0.00042 (J)
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	0.0013 (J)	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.0014	
3/30/2016	<0.005	
5/24/2016	<0.005	
8/2/2016	<0.005	
9/27/2016	<0.005	
11/22/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/14/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.0018	
6/18/2015	0.0018 (D)	
7/2/2015	0.0013	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0034	
1/15/2008	0.0067	
3/6/2008	0.13 (O)	
5/13/2008	<0.005	
12/12/2008	0.0042	
4/16/2009	0.0047	
10/13/2009	0.0037	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	0.0013	
4/9/2014	0.0013 (J)	
9/30/2014	<0.005	
4/2/2015	0.00064 (J)	
10/10/2015	0.0015 (D)	
3/30/2016	<0.005	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00044 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		0.00043 (J)
8/17/2022		0.00043 (J)
2/21/2023		0.00043 (J)
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.0066	
10/23/2007	0.0076	
11/18/2007	0.0055 (J)	
1/30/2008	0.0094	
3/10/2008	0.0056	
5/13/2008	0.0027	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0076	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	0.0033 (J)	
10/13/2015	0.0013 (J)	
3/22/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		0.0012 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.0088	
11/18/2007	0.0075	
1/31/2008	<0.005	
3/11/2008	0.0068	
5/6/2008	<0.005	
12/4/2008	0.013	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	0.0027	
4/13/2011	0.0029	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	0.0032 (J)	
3/30/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	0.0025 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	0.01273 (JD)	
3/11/2020	0.0002 (J)	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0036	
10/24/2007	<0.005	
11/18/2007	0.013	
1/31/2008	0.0069	
3/10/2008	0.0044	
5/13/2008	0.0033	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	0.005 (J)	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	0.0006 (J)	
4/3/2017	0.0004 (J)	
10/2/2017	0.0003 (J)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00055 (J)	
3/11/2020	0.0011 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	0.0013 (J)	
2/1/2022		0.00096 (J)
8/16/2022		<0.005
2/16/2023		0.0011 (J)
7/27/2023		0.0017 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005	
7/27/2016	0.0271 (o)	
2/21/2017	<0.005	
3/27/2017	<0.005	
9/29/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	0.002 (J)	
3/14/2019	<0.005	
3/9/2020	0.011 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.005	
5/11/2016	<0.005	
7/19/2016	0.0005 (J)	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/26/2017	0.0005 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	<0.005	
3/9/2020	0.0007 (J)	
9/10/2020	<0.005	
3/12/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.017	
11/2/2007	0.016	
11/18/2007	0.048	
1/31/2008	0.039	
3/11/2008	0.037	
5/14/2008	0.051	
12/5/2008	0.038	
4/15/2009	0.033	
10/8/2009	0.037	
4/28/2010	0.037	
10/6/2010	0.041	
4/21/2011	0.034	
10/13/2011	0.048	
5/1/2012	0.0427	
10/9/2012	0.038	
4/11/2013	0.038	
10/16/2013	0.036	
4/23/2014	0.03	
10/4/2014	0.029	
3/31/2015	0.026	
10/12/2015	0.05	
3/23/2016	0.0297	
7/29/2016	0.0419	
3/30/2017	0.0392	
10/4/2017	0.0343	
3/19/2018	0.033	
9/17/2018	0.033	
3/20/2019	0.026	
9/13/2019	0.026	
3/11/2020	0.027	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.005	
5/11/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/24/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/9/2019	0.0022 (J)	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/12/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	<0.005	
9/15/2016	0.0007 (J)	
11/3/2016	<0.005	
1/18/2017	<0.005	
3/24/2017	<0.005	
9/25/2017	0.0003 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	0.00038 (JD)	
3/6/2020	0.00093 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0005 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
9/25/2017	0.0007 (J)	
3/14/2018	0.0021 (J)	
9/12/2018	<0.005	
3/14/2019	0.0022 (J)	
9/10/2019	0.0022 (J)	
3/9/2020	0.0014 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	0.0008 (J)	
1/31/2022		0.0028 (J)
8/11/2022		<0.005
2/13/2023		0.0012 (J)
7/25/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.005	
5/16/2016	<0.005	
7/22/2016	<0.005	
9/19/2016	0.003 (J)	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005	
9/26/2017	<0.005	
3/14/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	<0.005	
3/6/2020	0.00019 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/22/2017	0.0004 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00036 (J)	
3/9/2020	0.00035 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		0.0014 (J)
8/11/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005 (*)	
9/22/2017	0.0006 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	0.0015 (J)	
9/11/2019	0.00026 (J)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	0.0004 (J)	
10/3/2017	<0.005 (D)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.00045 (JD)	
3/12/2020	0.0002 (J)	
9/17/2020	<0.005	
3/16/2021	<0.005	
8/10/2021	<0.005	
2/3/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.018	
4/23/2009	0.013	
10/6/2009	0.012	
4/27/2010	0.0095	
9/30/2010	0.0087	
4/14/2011	0.0061	
10/5/2011	<0.025	
4/11/2012	<0.025	
10/2/2012	<0.025	
4/9/2013	0.0053	
10/15/2013	0.0076	
4/10/2014	0.005	
10/1/2014	0.0047 (J)	
3/30/2015	0.0048 (J)	
10/11/2015	0.0055	
3/28/2016	<0.025	
8/1/2016	0.0025 (J)	
4/7/2017	0.003 (J)	
10/2/2017	0.0031 (J)	
3/16/2018	0.0037 (J)	
9/17/2018	0.0028 (J)	
3/19/2019	0.0023 (J)	
9/13/2019	0.0023 (J)	
3/11/2020	0.0026 (J)	
9/16/2020	0.0018 (J)	
3/17/2021	0.0019 (J)	
8/9/2021	0.0017 (J)	
2/1/2022		0.0017 (J)
8/16/2022		0.0014 (J)
2/16/2023		0.0015 (J)
7/28/2023		0.0023 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.064 (O)	
4/23/2009	0.034	
10/6/2009	0.026	
5/3/2010	0.014	
10/11/2010	0.014	
4/27/2011	0.028	
10/19/2011	<0.013	
5/1/2012	0.0198	
10/2/2012	0.011	
4/10/2013	0.018	
10/16/2013	0.016	
4/22/2014	0.014	
10/1/2014	0.0041 (J)	
3/30/2015	0.012	
10/11/2015	0.0049 (J)	
3/28/2016	0.00734 (J)	
8/1/2016	0.0049 (J)	
4/3/2017	0.0023 (J)	
10/2/2017	0.0023 (J)	
3/16/2018	0.0035 (J)	
9/18/2018	0.0041 (J)	
3/19/2019	0.0029 (J)	
9/12/2019	0.0028 (J)	
3/11/2020	0.0035 (J)	
9/15/2020	0.0031 (J)	
3/17/2021	0.0024 (J)	
8/9/2021	0.0028 (J)	
2/2/2022		0.0033 (J)
8/17/2022		0.0098
2/16/2023		0.0028 (J)
7/28/2023		0.0034 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.0058	
11/1/2007	<0.005	
11/20/2007	0.006	
1/30/2008	0.0037	
3/6/2008	0.004	
5/12/2008	<0.005	
12/13/2008	0.0051	
4/29/2009	0.003	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.0027 (J)	
3/31/2016	<0.005	
8/5/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/4/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.007	
11/1/2007	<0.005	
11/20/2007	0.0032	
1/30/2008	0.0039	
3/6/2008	<0.005	
5/8/2008	0.0039	
12/14/2008	0.0046	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	0.00029 (J)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.0037	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	0.0028	
4/12/2011	<0.005	
10/4/2011	0.013	
4/3/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	0.00084 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	0.00023 (J)	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	0.0032	
11/1/2007	0.0031	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	0.0029	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.005 (J)	
10/2/2014	0.0022 (J)	
4/1/2015	0.019	
10/11/2015	0.013	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	0.00031 (J)	
3/12/2020	0.00032 (J)	
9/21/2020	<0.005	
3/19/2021	0.0018 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0029	
1/16/2008	0.0067	
3/5/2008	0.0058	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	0.0032	
10/21/2009	<0.005	
4/27/2010	0.0034	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	0.0063	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	0.0017 (J)	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/11/2017	0.0003 (J)	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005 (D)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005
8/1/2023		0.0039 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0035	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	0.0028	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	0.0003 (J)	
10/9/2017	0.0005 (J)	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.00057 (J)	
3/13/2020	0.00033 (J)	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	0.0043	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.013	
4/29/2009	0.0029	
10/21/2009	<0.005	
4/28/2010	0.0032	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	0.005 (J)	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	0.00021 (X)	
3/17/2020	0.00045 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		0.0014 (J)
8/2/2023		0.0011 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0048 (J)	
11/2/2007	<0.005	
11/17/2007	0.0031	
1/15/2008	0.0033	
3/5/2008	0.0026	
5/7/2008	0.0028	
12/2/2008	0.0029	
4/16/2009	0.0035	
10/20/2009	0.0056	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.0012 (J)	
4/5/2016	<0.005	
8/9/2016	<0.005	
4/11/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	0.02	
1/15/2008	0.0043	
3/6/2008	<0.005	
5/7/2008	0.0026	
12/2/2008	<0.005	
4/28/2009	0.003	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	0.0025	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	0.00093 (J)	
4/5/2016	<0.005	
8/4/2016	0.0007 (J)	
4/12/2017	<0.005	
10/6/2017	0.0003 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.00029 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.021	
11/2/2007	0.0037	
11/18/2007	0.007 (J)	
1/15/2008	0.0055	
3/10/2008	0.0042	
5/13/2008	<0.005	
12/2/2008	0.0039	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	0.005 (J)	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
4/11/2017	0.0003 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.0002 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0005 (J)	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	<0.005 (*)	
9/26/2017	0.0006 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	0.00043 (J)	
3/10/2020	0.00067 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	0.0006 (J)	
1/31/2022		0.00053 (J)
8/15/2022		<0.005
2/14/2023		0.0054
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	0.0032 (JD)	
11/4/2016	0.0006 (JD)	
1/23/2017	0.0008 (JD)	
3/29/2017	0.0005 (JD)	
9/27/2017	0.0014 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	0.012 (JD)	
3/10/2020	0.00031 (J)	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	0.0022 (JD)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	0.0008 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0011 (J)	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.0016 (J)
7/27/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.001 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	0.0011 (J)	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	0.0008 (J)	
3/9/2020	0.00032 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	0.0018 (J)	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005 (*)	
9/29/2017	0.0003 (J)	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/11/2019	0.000535 (JD)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.005	
5/18/2016	<0.005	
7/28/2016	0.0007 (J)	
9/21/2016	0.0018 (J)	
11/7/2016	<0.005	
1/24/2017	<0.005	
3/30/2017	0.0003 (J)	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/11/2019	0.00021 (J)	
3/9/2020	0.00035 (J)	
9/14/2020	<0.005	
3/15/2021	<0.005	
8/5/2021	0.00061 (J)	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0064	
10/25/2007	0.0081	
11/19/2007	0.0059	
1/23/2008	0.018	
3/11/2008	0.027	
5/12/2008	0.016	
12/11/2008	0.016	
4/15/2009	0.017	
10/9/2009	0.045	
5/4/2010	0.031	
10/12/2010	0.024	
4/28/2011	0.0044	
10/19/2011	0.038	
5/2/2012	0.0865 (O)	
10/9/2012	0.053	
4/11/2013	0.04	
10/16/2013	0.054	
4/23/2014	0.054	
10/3/2014	0.066	
3/31/2015	0.025	
10/12/2015	0.018	
3/28/2016	0.0256	
8/1/2016	0.0178 (J)	
4/3/2017	0.0272	
10/3/2017	0.0239 (J)	
3/19/2018	0.021 (J)	
9/17/2018	0.018 (J)	
3/20/2019	0.023 (J)	
9/16/2019	0.016 (J)	
3/16/2020	0.012 (J)	
9/16/2020	0.017 (J)	
3/17/2021	0.019	
8/9/2021	0.026	
2/2/2022		0.024
8/16/2022		0.021
2/20/2023		0.023
7/28/2023		0.024

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.0033	
10/25/2007	<0.005	
11/20/2007	0.0052	
1/23/2008	0.0069	
3/11/2008	0.0029	
5/14/2008	0.0035	
12/11/2008	<0.005	
4/23/2009	0.0038	
10/9/2009	0.0032	
5/4/2010	<0.005	
10/11/2010	0.0029	
4/26/2011	<0.005	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	<0.005	
4/14/2014	0.005 (J)	
10/3/2014	0.00091 (J)	
4/1/2015	0.0011 (J)	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	0.0018 (J)	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	0.00028 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	<0.005	
4/6/2017	0.0004 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005	
9/13/2019	0.00025 (J)	
3/12/2020	0.00021 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.002 (J)	
3/30/2016	<0.005	
8/2/2016	<0.005	
4/6/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	0.005 (D)	
7/2/2015	<0.005	
10/8/2015	0.00091 (J)	
3/22/2016	<0.005	
8/2/2016	<0.005	
4/7/2017	<0.005	
10/3/2017	0.0003 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.00024 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	0.0047	
11/19/2007	0.0067 (J)	
1/15/2008	0.01	
3/6/2008	0.007	
5/13/2008	<0.005	
12/12/2008	0.0048	
4/16/2009	0.0042	
10/13/2009	0.0034	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	0.00345 (JD)	
3/30/2016	<0.005	
8/5/2016	<0.005	
4/6/2017	0.0003 (J)	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	0.00021 (J)	
3/12/2020	0.00031 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.001	
10/23/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/5/2008	<0.001	
4/15/2009	<0.001	
10/7/2009	<0.001	
5/3/2010	<0.001	
10/12/2010	<0.001	
4/27/2011	<0.001	
10/17/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/12/2013	<0.001	
10/16/2013	<0.001	
4/11/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	0.0028 (J)	
10/13/2015	<0.001	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	0.0002 (J)	
9/23/2016	<0.001	
11/9/2016	0.0004 (J)	
1/30/2017	<0.001	
3/30/2017	8E-05 (J)	
6/9/2017	0.0001 (J)	
10/2/2017	0.0002 (J)	
3/16/2018	<0.001	
9/17/2018	<0.001 (D)	
3/20/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/15/2020	9.3E-05 (J)	
3/16/2021	5.2E-05 (J)	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001
7/27/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.001	
10/24/2007	<0.001	
11/18/2007	<0.001	
1/31/2008	<0.001	
3/11/2008	<0.001	
5/6/2008	<0.001	
12/4/2008	<0.001	
4/21/2009	<0.001	
10/7/2009	<0.001	
4/26/2010	<0.001	
10/4/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/9/2012	<0.001	
4/15/2013	<0.001	
10/15/2013	<0.001	
4/22/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/29/2016	0.0001 (J)	
9/23/2016	<0.001	
11/9/2016	<0.001	
1/31/2017	<0.001	
3/30/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/19/2018	<0.001	
9/14/2018	<0.001	
3/20/2019	<0.001	
9/12/2019	0.002536 (JD)	
3/11/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001
7/27/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.001	
10/24/2007	<0.001	
11/18/2007	<0.001	
1/31/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/4/2008	<0.001	
4/21/2009	<0.001	
10/8/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/10/2014	<0.001	
9/30/2014	<0.001	
3/30/2015	<0.001	
10/13/2015	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/29/2016	<0.001	
9/22/2016	<0.001	
11/10/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/9/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/19/2019	<0.001	
9/13/2019	<0.001	
3/11/2020	5.8E-05 (J)	
9/15/2020	5E-05 (J)	
3/16/2021	7E-05 (J)	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001
7/27/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.001 (D)	
7/27/2016	0.0011 (JD)	
2/21/2017	<0.001	
3/27/2017	<0.001 (D)	
6/8/2017	<0.001 (D)	
7/17/2017	<0.001 (D)	
7/27/2017	0.0001 (J)	
8/9/2017	<0.001	
9/29/2017	<0.001 (D)	
3/16/2018	<0.001	
9/14/2018	<0.001	
3/14/2019	<0.001	
3/9/2020	0.00027 (J)	
9/16/2020	0.0005 (J)	
3/16/2021	0.0002 (J)	
8/6/2021	<0.001	
2/2/2022		<0.001
8/16/2022		<0.001
2/14/2023		<0.001
7/25/2023		0.00014 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.001	
5/11/2016	<0.001	
7/19/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001 (*)	
6/7/2017	8E-05 (J)	
9/26/2017	0.0002 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/15/2019	<0.001	
9/9/2019	<0.001	
3/9/2020	5.5E-05 (J)	
9/10/2020	<0.001	
3/12/2021	0.0002 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001
7/26/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.001	
5/11/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/24/2017	<0.001 (*)	
5/24/2017	0.0001 (J)	
9/26/2017	0.0001 (J)	
3/14/2018	0.00046 (J)	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/9/2019	<0.001	
3/9/2020	9.5E-05 (J)	
9/11/2020	<0.001	
3/10/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/12/2022		<0.001
2/13/2023		<0.001
7/26/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.001	
5/12/2016	<0.001	
7/20/2016	<0.001	
9/15/2016	<0.001	
11/3/2016	<0.001	
1/18/2017	<0.001	
3/24/2017	<0.001	
6/6/2017	<0.001	
9/25/2017	<0.001	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/14/2019	<0.001	
9/10/2019	<0.001 (D)	
3/6/2020	9.1E-05 (J)	
9/10/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/13/2023		<0.001
7/25/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.001	
5/13/2016	<0.001	
7/21/2016	0.0001 (J)	
9/21/2016	<0.001	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/6/2017	<0.001	
9/25/2017	0.0001 (J)	
3/14/2018	0.00031 (J)	
9/12/2018	<0.001	
3/14/2019	0.00031 (J)	
9/10/2019	<0.001	
3/9/2020	4.9E-05 (J)	
9/10/2020	<0.001	
3/10/2021	0.00012 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/13/2023		<0.001
7/25/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.001	
5/16/2016	<0.001	
7/22/2016	0.0001 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	<0.001	
1/17/2017	<0.001	
3/27/2017	<0.001	
6/7/2017	<0.001	
9/26/2017	<0.001	
3/14/2018	<0.001	
9/14/2018	<0.001	
3/14/2019	<0.001	
9/10/2019	<0.001	
3/6/2020	0.00011 (J)	
9/10/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001
7/26/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001	
6/6/2017	7E-05 (J)	
9/22/2017	8E-05 (J)	
3/14/2018	<0.001	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/11/2019	0.0001 (J)	
3/9/2020	9.1E-05 (J)	
9/11/2020	4.6E-05 (J)	
3/11/2021	6.3E-05 (J)	
8/6/2021	<0.001	
1/31/2022		<0.001
8/11/2022		<0.001
2/14/2023		<0.001
7/25/2023		0.00018 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.001	
5/13/2016	<0.001	
7/19/2016	<0.001	
9/16/2016	<0.001	
11/2/2016	<0.001	
1/18/2017	<0.001	
3/28/2017	<0.001	
6/6/2017	0.0001 (J)	
9/22/2017	7E-05 (J)	
3/15/2018	0.0038 (J)	
9/12/2018	<0.001	
3/13/2019	<0.001	
9/11/2019	9.2E-05 (J)	
3/9/2020	9.6E-05 (J)	
9/14/2020	6.6E-05 (J)	
3/11/2021	0.00013 (J)	
8/5/2021	<0.001	
1/31/2022		<0.001
8/10/2022		<0.001
2/13/2023		<0.001
7/25/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.0002 (J)	
4/7/2017	<0.001	
6/14/2017	<0.001 (D)	
7/12/2017	<0.001 (D)	
7/20/2017	<0.001 (D)	
7/28/2017	<0.001	
8/9/2017	<0.001	
8/24/2017	<0.001	
10/3/2017	<0.001 (D)	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/21/2019	<0.001 (D)	
9/12/2019	6.5E-05 (JD)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/16/2021	<0.001	
8/10/2021	<0.001	
2/3/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001
7/28/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
4/27/2010	<0.001	
9/30/2010	<0.001	
4/14/2011	<0.001	
10/5/2011	<0.001	
4/11/2012	<0.001	
10/2/2012	<0.001	
4/9/2013	<0.001	
10/15/2013	<0.001	
4/10/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	<0.001	
3/28/2016	<0.001	
5/23/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	0.0001 (J)	
11/10/2016	<0.001	
1/30/2017	<0.001	
4/7/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	0.0003 (J)	
3/16/2018	<0.001	
9/17/2018	<0.001	
3/19/2019	<0.001	
9/13/2019	<0.001	
3/11/2020	<0.001	
9/16/2020	9.3E-05 (J)	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/1/2022		<0.001
8/16/2022		<0.001
2/16/2023		<0.001
7/28/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.001	
4/23/2009	<0.001	
10/6/2009	<0.001	
5/3/2010	<0.001	
10/11/2010	<0.001	
4/27/2011	<0.001	
10/19/2011	<0.001	
5/1/2012	0.0012	
10/2/2012	<0.001	
4/10/2013	<0.001	
10/16/2013	<0.001	
4/22/2014	<0.001	
10/1/2014	<0.001	
3/30/2015	<0.001	
10/11/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/11/2016	<0.001	
1/30/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/2/2017	<0.001	
3/16/2018	<0.001	
9/18/2018	<0.001	
3/19/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/16/2023		<0.001
7/28/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/12/2008	<0.001	
12/13/2008	<0.001	
4/29/2009	<0.001	
10/20/2009	<0.001	
4/26/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/10/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	4.7E-05 (J)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/18/2021	<0.001	
8/10/2021	<0.001	
2/4/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/20/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/8/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/8/2012	<0.001	
4/3/2013	<0.001	
10/15/2013	<0.001	
4/9/2014	<0.001	
10/2/2014	<0.001	
4/2/2015	<0.001	
10/12/2015	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/7/2017	<0.001	
4/10/2017	<0.001	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	0.00017 (J)	
3/12/2020	<0.001	
9/17/2020	<0.001	
3/18/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/28/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/3/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	9E-05 (J)	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/23/2019	<0.001	
9/17/2019	4.6E-05 (J)	
3/12/2020	5.2E-05 (J)	
9/21/2020	<0.001	
3/19/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001
8/1/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.001	
11/1/2007	<0.001	
11/18/2007	<0.001	
1/30/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/14/2008	<0.001	
4/29/2009	<0.001	
10/22/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/3/2012	<0.001	
4/3/2013	<0.001	
10/9/2013	<0.001	
4/2/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/11/2015	<0.001	
4/4/2016	<0.001	
5/26/2016	<0.001	
8/4/2016	<0.001	
9/28/2016	<0.001	
11/22/2016	<0.001	
2/8/2017	<0.001	
4/10/2017	<0.001	
6/15/2017	<0.001	
10/4/2017	<0.001	
3/22/2018	<0.001	
9/18/2018	<0.001	
3/23/2019	<0.001	
9/17/2019	8.2E-05 (J)	
3/12/2020	4.6E-05 (J)	
9/21/2020	<0.001	
3/19/2021	0.00018 (J)	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/20/2023		<0.001
8/1/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/31/2008	<0.001	
3/5/2008	<0.001	
5/12/2008	<0.001	
12/13/2008	<0.001	
4/28/2009	<0.001	
10/21/2009	<0.001	
4/28/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/18/2011	<0.001	
4/25/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/8/2013	<0.001	
4/1/2014	<0.001	
10/1/2014	<0.001	
4/1/2015	<0.001	
10/15/2015	<0.001	
4/4/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	0.0001 (J)	
9/29/2016	0.0001 (J)	
11/28/2016	<0.001	
2/9/2017	0.0001 (J)	
4/12/2017	<0.001	
6/16/2017	0.0002 (J)	
10/9/2017	0.0001 (J)	
3/21/2018	<0.001	
9/19/2018	<0.001	
3/23/2019	<0.001	
9/18/2019	0.0002 (J)	
3/13/2020	0.00013 (J)	
9/22/2020	0.00015 (J)	
3/18/2021	0.00024 (J)	
8/11/2021	<0.001	
2/17/2022		<0.001
8/18/2022		<0.001
2/22/2023		<0.001
8/1/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/31/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/12/2008	<0.001	
4/29/2009	<0.001	
10/21/2009	<0.001	
4/28/2010	<0.001	
10/6/2010	<0.001	
4/20/2011	<0.001	
10/12/2011	<0.001	
4/25/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/8/2013	<0.001	
4/1/2014	<0.001	
10/1/2014	<0.001	
3/31/2015	<0.001	
10/14/2015	<0.001	
4/4/2016	<0.001	
6/1/2016	<0.001	
2/22/2017	0.0003 (J)	
4/11/2017	<0.001	
6/16/2017	<0.001	
7/12/2017	<0.001	
7/28/2017	<0.001	
8/10/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/20/2018	<0.001	
3/22/2019	<0.001	
9/18/2019	4.8E-05 (X)	
3/17/2020	<0.001	
9/22/2020	7.1E-05 (J)	
3/19/2021	7.4E-05 (J)	
8/12/2021	<0.001	
2/4/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001
8/2/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/5/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/16/2009	<0.001	
10/20/2009	<0.001	
4/20/2010	<0.001	
9/29/2010	<0.001	
4/12/2011	<0.001	
10/4/2011	<0.001	
4/4/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
6/1/2016	<0.001	
8/9/2016	<0.001	
11/28/2016	<0.001	
2/9/2017	0.0002 (J)	
4/11/2017	<0.001	
6/14/2017	<0.001	
7/12/2017	<0.001	
10/5/2017	<0.001	
3/22/2018	<0.001	
9/19/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	<0.001	
3/13/2020	<0.001	
9/21/2020	0.00023 (J)	
3/18/2021	<0.001	
8/11/2021	<0.001	
2/4/2022		<0.001
8/18/2022		<0.001
2/22/2023		<0.001
8/1/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.001	
11/2/2007	<0.001	
11/17/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/7/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/19/2009	<0.001	
4/27/2010	<0.001	
10/4/2010	<0.001	
4/18/2011	<0.001	
10/12/2011	<0.001	
4/23/2012	<0.001	
10/10/2012	<0.001	
4/15/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/7/2015	<0.001	
4/5/2016	<0.001	
5/31/2016	<0.001	
8/4/2016	<0.001	
9/29/2016	0.0008 (J)	
11/23/2016	0.0011 (J)	
2/10/2017	<0.001	
4/12/2017	<0.001	
6/15/2017	0.0005 (J)	
10/6/2017	0.0004 (J)	
3/23/2018	0.00028 (J)	
9/19/2018	0.00029 (J)	
3/25/2019	0.00047 (J)	
9/17/2019	0.00016 (J)	
3/13/2020	0.00037 (J)	
9/21/2020	0.00093 (J)	
3/18/2021	0.00036 (J)	
8/11/2021	<0.001	
2/4/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001
8/2/2023		0.00024 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.001	
11/2/2007	<0.001	
11/18/2007	<0.001	
1/15/2008	<0.001	
3/10/2008	<0.001	
5/13/2008	<0.001	
12/2/2008	<0.001	
4/28/2009	<0.001	
10/20/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/25/2012	<0.001	
10/10/2012	<0.001	
4/16/2013	<0.001	
10/22/2013	<0.001	
4/21/2014	<0.001	
9/30/2014	<0.001	
4/3/2015	<0.001	
10/6/2015	<0.001	
4/5/2016	<0.001	
5/31/2016	<0.001	
11/23/2016	<0.001	
2/10/2017	<0.001	
4/11/2017	<0.001	
6/15/2017	<0.001	
7/12/2017	<0.001	
7/26/2017	<0.001	
10/6/2017	<0.001	
3/23/2018	<0.001	
9/19/2018	<0.001	
3/22/2019	<0.001	
9/17/2019	<0.001	
3/13/2020	4.8E-05 (J)	
9/21/2020	7.5E-05 (J)	
3/18/2021	4E-05 (J)	
8/11/2021	<0.001	
2/7/2022		<0.001
8/19/2022		<0.001
2/22/2023		<0.001
8/1/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.001	
5/16/2016	<0.001	
7/25/2016	0.0003 (J)	
9/19/2016	0.0002 (J)	
11/3/2016	0.0002 (J)	
1/19/2017	0.0003 (J)	
3/28/2017	<0.001 (*)	
6/5/2017	0.0007 (J)	
9/26/2017	0.0004 (J)	
3/15/2018	0.00064 (J)	
9/12/2018	0.00037 (J)	
3/14/2019	0.00077 (J)	
9/11/2019	0.00047 (J)	
3/10/2020	0.00066 (J)	
9/15/2020	0.00045 (J)	
3/11/2021	0.00053 (J)	
8/4/2021	<0.001	
1/31/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001
7/26/2023		0.0002 (J)

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.001	
5/16/2016	<0.001 (D)	
7/25/2016	0.0002 (JD)	
9/19/2016	0.0004 (JD)	
11/4/2016	0.0002 (JD)	
1/23/2017	0.0001 (JD)	
3/29/2017	0.0001 (JD)	
6/7/2017	0.0001 (J)	
9/27/2017	0.0003 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/14/2019	<0.001 (D)	
9/11/2019	0.00016 (JD)	
3/10/2020	0.00014 (J)	
9/11/2020	0.00012 (J)	
3/11/2021	0.00012 (J)	
8/6/2021	<0.001	
2/1/2022		<0.001
8/12/2022		<0.001
2/14/2023		<0.001
7/26/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.001	
5/16/2016	<0.001 (D)	
7/25/2016	0.0001 (JD)	
9/19/2016	<0.001 (D)	
11/3/2016	<0.001 (D)	
1/20/2017	<0.001 (D)	
3/29/2017	0.0001 (JD)	
6/7/2017	8E-05 (J)	
9/27/2017	9E-05 (J)	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/14/2019	<0.001 (D)	
9/11/2019	<0.001 (D)	
3/10/2020	<0.001	
9/11/2020	<0.001	
3/11/2021	4.5E-05 (J)	
8/6/2021	<0.001	
2/1/2022		<0.001
8/12/2022		<0.001
2/14/2023		<0.001
7/26/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	0.0003 (J)	
11/7/2016	<0.001	
1/23/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	0.0001 (J)	
9/27/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019	<0.001	
9/12/2019	<0.001	
3/9/2020	5.8E-05 (J)	
9/14/2020	<0.001	
3/11/2021	4.8E-05 (J)	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001
7/27/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.001	
5/18/2016	<0.001	
7/27/2016	9E-05 (J)	
9/20/2016	0.0001 (J)	
11/4/2016	<0.001	
1/20/2017	<0.001	
3/29/2017	<0.001	
6/8/2017	<0.001	
9/27/2017	<0.001	
3/16/2018	<0.001	
9/13/2018	<0.001	
3/19/2019	<0.001	
9/11/2019	8.5E-05 (J)	
3/9/2020	8E-05 (J)	
9/15/2020	<0.001	
3/11/2021	<0.001	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001
7/27/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.001	
5/17/2016	<0.001	
7/27/2016	<0.001	
9/20/2016	0.0002 (J)	
11/4/2016	<0.001	
1/23/2017	<0.001	
3/28/2017	<0.001 (*)	
6/8/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/13/2018	<0.001	
3/15/2019	<0.001	
9/11/2019	0.002529 (JD)	
3/9/2020	<0.001	
9/14/2020	<0.001	
3/11/2021	<0.001	
8/4/2021	<0.001	
1/31/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001
7/26/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.001	
5/18/2016	<0.001	
7/28/2016	0.0002 (J)	
9/21/2016	<0.001 (*)	
11/7/2016	<0.001	
1/24/2017	0.0002 (J)	
3/30/2017	<0.001	
6/9/2017	<0.001	
9/29/2017	<0.001	
3/15/2018	<0.001	
9/14/2018	<0.001	
3/19/2019	<0.001	
9/11/2019	8.2E-05 (J)	
3/9/2020	0.00017 (J)	
9/14/2020	7.8E-05 (J)	
3/15/2021	4.6E-05 (J)	
8/5/2021	<0.001	
2/1/2022		<0.001
8/15/2022		<0.001
2/14/2023		<0.001
7/27/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.001	
10/25/2007	<0.001	
11/19/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/12/2008	<0.001	
12/11/2008	<0.001	
4/15/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/12/2010	<0.001	
4/28/2011	<0.001	
10/19/2011	<0.001	
5/2/2012	<0.001	
10/9/2012	<0.001	
4/11/2013	<0.001	
10/16/2013	<0.001	
4/23/2014	<0.001	
10/3/2014	<0.001	
3/31/2015	<0.001	
10/12/2015	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
8/1/2016	<0.001	
9/27/2016	<0.001	
11/11/2016	<0.001	
1/31/2017	<0.001	
4/3/2017	<0.001	
6/12/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/20/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	5.1E-05 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/9/2021	<0.001	
2/2/2022		<0.001
8/16/2022		<0.001
2/20/2023		<0.001
7/28/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.001	
10/25/2007	<0.001	
11/20/2007	<0.001	
1/23/2008	<0.001	
3/11/2008	<0.001	
5/14/2008	<0.001	
12/11/2008	<0.001	
4/23/2009	<0.001	
10/9/2009	<0.001	
5/4/2010	<0.001	
10/11/2010	<0.001	
4/26/2011	<0.001	
10/18/2011	<0.001	
5/2/2012	<0.001	
10/8/2012	<0.001	
4/10/2013	<0.001	
10/8/2013	<0.001	
4/14/2014	<0.001	
10/3/2014	<0.001	
4/1/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	0.0003 (J)	
11/18/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	7E-05 (J)	
6/13/2017	<0.001	
10/3/2017	<0.001	
3/19/2018	<0.001	
9/17/2018	<0.001	
3/21/2019	<0.001	
9/16/2019	0.0001 (J)	
3/12/2020	0.0001 (J)	
9/16/2020	0.00012 (J)	
3/17/2021	7.4E-05 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/9/2015	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
8/1/2016	<0.001	
9/26/2016	<0.001	
11/14/2016	<0.001	
2/1/2017	<0.001	
4/6/2017	7E-05 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/17/2018	<0.001	
3/21/2019	<0.001	
9/16/2019	<0.001	
3/12/2020	7E-05 (J)	
9/16/2020	<0.001	
3/17/2021	<0.001	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/17/2023		<0.001
7/28/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.001	
8/2/2016	0.0001 (J)	
9/27/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/1/2017	0.0001 (J)	
4/6/2017	0.0002 (J)	
6/13/2017	<0.001	
7/14/2017	<0.001	
10/3/2017	9E-05 (J)	
3/20/2018	<0.001	
9/18/2018	<0.001	
3/21/2019	<0.001	
9/13/2019	<0.001	
3/12/2020	8.2E-05 (J)	
9/16/2020	0.00011 (J)	
3/17/2021	4.9E-05 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.001	
4/30/2012	<0.001	
10/3/2012	<0.001	
4/8/2013	<0.001	
10/9/2013	<0.001	
4/10/2014	<0.001	
10/2/2014	<0.001	
4/3/2015	<0.001	
10/8/2015	<0.001	
3/30/2016	<0.001	
5/24/2016	<0.001	
8/2/2016	<0.001	
9/27/2016	<0.001	
11/22/2016	<0.001	
2/6/2017	<0.001	
4/6/2017	0.0001 (J)	
6/14/2017	<0.001	
10/4/2017	<0.001	
3/21/2018	<0.001	
9/18/2018	<0.001	
3/27/2019	<0.001	
9/16/2019	<0.001 (D)	
3/12/2020	5.6E-05 (J)	
9/17/2020	8E-05 (J)	
3/17/2021	<0.001	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/21/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.001	
6/18/2015	<0.001 (D)	
7/2/2015	<0.001	
10/8/2015	<0.001	
3/22/2016	<0.001	
5/25/2016	<0.001	
8/2/2016	0.0002 (J)	
9/26/2016	0.0001 (J)	
11/21/2016	0.0001 (J)	
2/3/2017	0.0002 (J)	
4/7/2017	0.0002 (J)	
6/13/2017	0.0002 (J)	
10/3/2017	0.0002 (J)	
3/20/2018	0.00042 (J)	
9/18/2018	<0.001	
5/6/2019	0.00032 (J)	
9/16/2019	5.4E-05 (J)	
3/16/2020	0.00016 (J)	
9/17/2020	6.5E-05 (J)	
3/18/2021	0.00011 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/20/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/15/2008	<0.001	
3/6/2008	<0.001	
5/13/2008	<0.001	
12/12/2008	<0.001	
4/16/2009	<0.001	
10/13/2009	<0.001	
4/21/2010	<0.001	
9/29/2010	<0.001	
4/13/2011	<0.001	
10/5/2011	<0.001	
4/4/2012	0.0012	
10/8/2012	<0.001	
4/8/2013	<0.001	
10/9/2013	<0.001	
4/9/2014	<0.001	
9/30/2014	<0.001	
4/2/2015	<0.001	
10/10/2015	<0.001 (D)	
3/30/2016	<0.001	
5/26/2016	<0.001	
8/5/2016	0.0001 (J)	
9/28/2016	0.0002 (J)	
11/21/2016	0.0002 (J)	
2/6/2017	0.0001 (J)	
4/6/2017	0.0001 (J)	
6/13/2017	8E-05 (J)	
10/3/2017	<0.001	
3/20/2018	<0.001	
9/18/2018	<0.001 (D)	
3/21/2019	<0.001	
9/16/2019	6.1E-05 (J)	
3/12/2020	0.00016 (J)	
9/17/2020	7.9E-05 (J)	
3/18/2021	0.0001 (J)	
8/10/2021	<0.001	
2/2/2022		<0.001
8/17/2022		<0.001
2/21/2023		<0.001
7/31/2023		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.005	
10/23/2007	0.0096	
11/18/2007	0.023	
1/30/2008	0.11 (O)	
3/10/2008	0.024	
5/13/2008	0.006	
12/5/2008	<0.005	
4/15/2009	<0.005	
10/7/2009	0.0096	
5/3/2010	<0.005	
10/12/2010	<0.005	
4/27/2011	<0.005	
10/17/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/12/2013	<0.005	
10/16/2013	<0.005	
4/11/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.004	
10/13/2015	<0.005	
3/22/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0004 (J)	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/17/2018	<0.005 (D)	
3/20/2019	<0.005	
9/12/2019	0.00038 (J)	
3/11/2020	0.00068 (J)	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	0.026 (O)	
11/18/2007	0.043 (O)	
1/31/2008	0.0075	
3/11/2008	0.019	
5/6/2008	0.004	
12/4/2008	0.02	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	0.0025	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	0.0028	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	0.0018 (J)	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	<0.005	
3/30/2017	0.0006 (J)	
10/2/2017	<0.005	
3/19/2018	<0.005	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	0.00518 (JD)	
3/11/2020	0.0014 (J)	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	0.0025	
11/18/2007	0.0093	
1/31/2008	0.054 (O)	
3/10/2008	0.0054	
5/13/2008	0.0043	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
7/29/2016	<0.005	
4/3/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	0.002 (J)	
9/15/2020	0.0013 (J)	
3/16/2021	<0.005	
8/9/2021	0.00081 (J)	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0136 (D)	
7/27/2016	0.0224 (D)	
2/21/2017	0.0007 (J)	
3/27/2017	<0.005 (D)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	0.0017 (J)	
3/9/2020	0.00083 (J)	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.00544 (J)	
5/11/2016	0.0149	
7/19/2016	0.0044 (J)	
9/15/2016	0.0047 (J)	
11/2/2016	0.0025 (J)	
1/18/2017	0.004 (J)	
3/28/2017	0.0034 (J)	
9/26/2017	0.0016 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/15/2019	<0.005	
9/9/2019	0.0014 (J)	
3/9/2020	0.04 (o)	
9/10/2020	<0.005	
3/12/2021	0.0015 (J)	
8/4/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		0.00095 (J)
7/26/2023		0.0013 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.028	
11/2/2007	0.041	
11/18/2007	0.14 (O)	
1/31/2008	0.053	
3/11/2008	0.076 (o)	
5/14/2008	0.074 (o)	
12/5/2008	0.032	
4/15/2009	0.028	
10/8/2009	0.032	
4/28/2010	0.029	
10/6/2010	0.031	
4/21/2011	0.019	
10/13/2011	0.028	
5/1/2012	0.0253	
10/9/2012	0.023	
4/11/2013	0.021	
10/16/2013	0.018	
4/23/2014	0.015	
10/4/2014	0.017	
3/31/2015	0.045	
10/12/2015	0.019	
3/23/2016	0.019	
7/29/2016	0.0161	
3/30/2017	0.018	
10/4/2017	0.0158	
3/19/2018	0.015	
9/17/2018	0.014	
3/20/2019	0.01	
9/13/2019	0.012	
3/11/2020	0.012	
3/29/2021	<0.005	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/17/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.005	
5/12/2016	<0.005	
7/20/2016	0.0006 (J)	
9/15/2016	0.0009 (J)	
11/3/2016	0.0011 (J)	
1/18/2017	0.0007 (J)	
3/24/2017	<0.005 (*)	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/10/2019	0.0004 (JD)	
3/6/2020	0.0089 (J)	
9/10/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/11/2022		0.00083 (J)
2/13/2023		<0.005
7/25/2023		0.00073 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.005	
5/13/2016	<0.005	
7/21/2016	0.0009 (J)	
9/21/2016	<0.005	
11/3/2016	<0.005	
1/17/2017	<0.005	
3/27/2017	<0.005 (*)	
9/25/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/12/2018	0.0011 (J)	
3/14/2019	0.001 (J)	
9/10/2019	0.00084 (J)	
3/9/2020	0.00036 (J)	
9/10/2020	<0.005	
3/10/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		0.00091 (J)
8/11/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.01	
5/16/2016	0.00233 (J)	
7/22/2016	0.0014 (J)	
9/19/2016	0.0014 (J)	
11/3/2016	0.0013 (J)	
1/17/2017	0.0011 (J)	
3/27/2017	<0.01 (*)	
9/26/2017	0.0011 (J)	
3/14/2018	0.0012 (J)	
9/14/2018	0.0012 (J)	
3/14/2019	0.0015 (J)	
9/10/2019	0.0012 (J)	
3/6/2020	0.0015 (J)	
9/10/2020	0.0011 (J)	
3/11/2021	0.0011 (J)	
8/4/2021	0.0011 (J)	
1/31/2022		0.0011 (J)
8/10/2022		0.0016 (J)
2/13/2023		0.0013 (J)
7/26/2023		0.0015 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00288 (J)	
5/13/2016	<0.005	
7/19/2016	0.0006 (J)	
9/16/2016	0.0008 (J)	
11/2/2016	0.0007 (J)	
1/18/2017	0.0006 (J)	
3/28/2017	<0.005 (*)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	0.00082 (J)	
3/9/2020	0.00082 (J)	
9/11/2020	0.00089 (J)	
3/11/2021	<0.005	
8/6/2021	0.00084 (J)	
1/31/2022		0.00077 (J)
8/11/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.005	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	0.0006 (J)	
3/28/2017	<0.005 (*)	
9/22/2017	<0.005	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/10/2022		<0.005
2/13/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.005	
10/3/2017	<0.005 (D)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	<0.005 (D)	
9/12/2019	0.00032 (JD)	
3/12/2020	0.00034 (J)	
9/17/2020	<0.005	
3/16/2021	<0.005	
8/10/2021	<0.005	
2/3/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.0035	
4/23/2009	0.0032	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	0.0028	
10/5/2011	0.0028	
4/11/2012	<0.005	
10/2/2012	0.0026	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0025 (J)	
10/1/2014	<0.005	
3/30/2015	0.0015 (J)	
10/11/2015	0.0013 (J)	
3/28/2016	<0.005	
8/1/2016	<0.005	
4/7/2017	0.0011 (J)	
10/2/2017	0.0013 (J)	
3/16/2018	<0.005	
9/17/2018	0.00096 (J)	
3/19/2019	<0.005	
9/13/2019	0.00063 (J)	
3/11/2020	0.00084 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/9/2021	0.00077 (J)	
2/1/2022		0.0008 (J)
8/16/2022		0.00071 (J)
2/16/2023		0.00082 (J)
7/28/2023		0.00094 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.0096	
4/23/2009	0.015	
10/6/2009	0.008	
5/3/2010	0.0053	
10/11/2010	0.0061	
4/27/2011	0.0087	
10/19/2011	0.0039	
5/1/2012	0.0054	
10/2/2012	0.0044	
4/10/2013	0.0053	
10/16/2013	0.0047	
4/22/2014	0.0045	
10/1/2014	0.0018 (J)	
3/30/2015	0.0037	
10/11/2015	0.0018 (J)	
3/28/2016	0.0028 (J)	
8/1/2016	<0.01	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0014 (J)	
9/18/2018	0.0012 (J)	
3/19/2019	0.0016 (J)	
9/12/2019	0.0015 (J)	
3/11/2020	0.001 (J)	
9/15/2020	0.0012 (J)	
3/17/2021	0.0012 (J)	
8/9/2021	0.00097 (J)	
2/2/2022		0.00089 (J)
8/17/2022		0.0011 (J)
2/16/2023		0.00081 (J)
7/28/2023		0.00092 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.005	
11/1/2007	0.0042	
11/20/2007	0.026	
1/30/2008	0.032	
3/6/2008	0.019	
5/12/2008	0.0072	
12/13/2008	0.024	
4/29/2009	0.0026	
10/20/2009	<0.005	
4/26/2010	<0.005	
9/29/2010	0.0042	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	0.004	
4/3/2013	0.0028	
10/15/2013	0.0036	
4/9/2014	0.0025 (J)	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005	
3/31/2016	<0.005	
8/5/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/20/2018	0.0016 (J)	
9/18/2018	<0.005	
3/22/2019	0.0022 (J)	
9/17/2019	<0.005	
3/12/2020	0.0015 (J)	
9/17/2020	<0.005	
3/18/2021	0.00094 (J)	
8/10/2021	0.00081 (J)	
2/4/2022		0.0014 (J)
8/17/2022		<0.005
2/20/2023		0.0019 (J)
7/31/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	<0.005	
11/1/2007	0.006	
11/20/2007	<0.005	
1/30/2008	0.029 (O)	
3/6/2008	<0.005	
5/8/2008	0.0057	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/8/2012	<0.005	
4/3/2013	<0.005	
10/15/2013	<0.005	
4/9/2014	<0.005	
10/2/2014	<0.005	
4/2/2015	<0.005	
10/12/2015	<0.005	
3/31/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	0.0006 (J)	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	0.00043 (J)	
9/17/2020	<0.005	
3/18/2021	0.0011 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	0.0087	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/3/2012	0.0042	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	0.0025 (J)	
10/2/2014	0.0016 (J)	
4/1/2015	<0.005	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.005	
11/1/2007	<0.005	
11/18/2007	<0.005	
1/30/2008	<0.005	
3/6/2008	0.0046	
5/7/2008	<0.005	
12/14/2008	<0.005	
4/29/2009	<0.005	
10/22/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/3/2012	<0.005	
4/3/2013	<0.005	
10/9/2013	<0.005	
4/2/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	0.0041	
10/11/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/10/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/20/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0047	
1/16/2008	0.029	
3/5/2008	0.023	
5/13/2008	0.0032	
12/13/2008	<0.01	
4/16/2009	<0.01	
10/21/2009	<0.01	
4/27/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	0.003	
10/9/2013	<0.01	
4/1/2014	0.0025 (J)	
10/2/2014	<0.01	
4/1/2015	0.0014 (J)	
10/14/2015	0.0021 (J)	
4/4/2016	0.00264 (J)	
8/3/2016	<0.01	
4/11/2017	0.0027 (J)	
10/4/2017	0.0022 (J)	
3/22/2018	0.0025 (J)	
9/18/2018	0.0024 (J)	
3/23/2019	0.0026 (J)	
9/17/2019	0.0033 (JD)	
3/12/2020	0.0022 (J)	
9/21/2020	0.0019 (J)	
3/19/2021	0.0022 (J)	
8/11/2021	0.0019 (J)	
2/2/2022		0.0025 (J)
8/18/2022		0.0023 (J)
2/21/2023		0.0022 (J)
8/1/2023		0.0034 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0076	
11/1/2007	0.0043	
11/19/2007	0.0061	
1/31/2008	0.015	
3/5/2008	<0.005	
5/12/2008	0.0035	
12/13/2008	0.0079	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	0.0031	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	<0.005	
4/4/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	<0.005	
10/9/2017	<0.005	
3/21/2018	<0.005	
9/19/2018	<0.005	
3/23/2019	<0.005	
9/18/2019	0.00046 (J)	
3/13/2020	<0.005	
9/22/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	0.0033	
11/19/2007	0.0029	
1/31/2008	0.0039	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	0.022 (O)	
4/29/2009	0.0034	
10/21/2009	<0.005	
4/28/2010	0.0026	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	0.00082 (J)	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	0.0029	
11/17/2007	0.0086	
1/15/2008	0.011	
3/5/2008	0.0072	
5/7/2008	0.0045	
12/2/2008	0.011	
4/16/2009	0.0061	
10/20/2009	0.01	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
8/9/2016	0.0021 (J)	
4/11/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	0.00096 (J)	
3/22/2019	<0.005	
9/17/2019	0.0007 (X)	
3/13/2020	0.00078 (J)	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.0089	
11/2/2007	0.0036	
11/17/2007	0.014 (O)	
1/15/2008	0.0096	
3/6/2008	0.0038	
5/7/2008	0.0056	
12/2/2008	0.003	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	0.004	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
8/4/2016	<0.005	
4/12/2017	<0.005	
10/6/2017	0.001 (J)	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	0.0011 (J)	
9/17/2019	0.00057 (J)	
3/13/2020	0.00072 (J)	
9/21/2020	0.0015 (J)	
3/18/2021	0.00079 (J)	
8/11/2021	<0.005	
2/4/2022		0.00093 (J)
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/18/2007	0.0088 (J)	
1/15/2008	0.019	
3/10/2008	0.017	
5/13/2008	0.0058	
12/2/2008	0.0043	
4/28/2009	<0.005	
10/20/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/10/2012	<0.005	
4/16/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/6/2015	<0.005	
4/5/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/7/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.005	
5/16/2016	<0.005	
7/25/2016	0.0006 (J)	
9/19/2016	0.0008 (J)	
11/3/2016	0.0007 (J)	
1/19/2017	0.0009 (J)	
3/28/2017	<0.005 (*)	
9/26/2017	0.0007 (J)	
3/15/2018	<0.005	
9/12/2018	<0.005	
3/14/2019	<0.005	
9/11/2019	0.00058 (J)	
3/10/2020	0.00086 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		0.00073 (J)
7/26/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	0.00316 (JD)	
7/25/2016	0.0013 (JD)	
9/19/2016	0.0013 (JD)	
11/4/2016	0.0015 (JD)	
1/23/2017	0.0015 (JD)	
3/29/2017	0.0012 (JD)	
9/27/2017	0.0014 (J)	
3/15/2018	0.0011 (J)	
9/13/2018	0.001 (J)	
3/14/2019	0.001 (JD)	
9/11/2019	0.0012 (JD)	
3/10/2020	0.0012 (J)	
9/11/2020	0.00099 (J)	
3/11/2021	0.00092 (J)	
8/6/2021	0.00098 (J)	
2/1/2022		0.0011 (J)
8/12/2022		0.00086 (J)
2/14/2023		0.00092 (J)
7/26/2023		0.0012 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.005	
5/16/2016	<0.005 (D)	
7/25/2016	<0.005 (D)	
9/19/2016	<0.005 (D)	
11/3/2016	<0.005 (D)	
1/20/2017	<0.005 (D)	
3/29/2017	<0.005 (D)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/14/2019	<0.005 (D)	
9/11/2019	<0.005 (D)	
3/10/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	0.00095 (J)	
2/1/2022		<0.005
8/12/2022		<0.005
2/14/2023		0.004 (J)
7/26/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	0.0013 (J)	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/20/2016	<0.005	
11/7/2016	<0.005	
1/23/2017	<0.005	
3/29/2017	0.0004 (J)	
9/27/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/12/2019	<0.005	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	0.0007 (J)	
9/20/2016	0.0007 (J)	
11/4/2016	0.0006 (J)	
1/20/2017	<0.005	
3/29/2017	0.0003 (J)	
9/27/2017	<0.005	
3/16/2018	<0.005	
9/13/2018	<0.005	
3/19/2019	0.0042 (J)	
9/11/2019	0.0014 (J)	
3/9/2020	<0.005	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00432 (J)	
5/17/2016	0.00489 (J)	
7/27/2016	0.0036 (J)	
9/20/2016	0.0035 (J)	
11/4/2016	0.0035 (J)	
1/23/2017	<0.01	
3/28/2017	0.0033 (J)	
9/29/2017	0.0036 (J)	
3/15/2018	0.0033 (J)	
9/13/2018	0.0038 (J)	
3/15/2019	0.0033 (J)	
9/11/2019	0.00405 (JD)	
3/9/2020	0.0039 (J)	
9/14/2020	0.0046 (J)	
3/11/2021	0.0047 (J)	
8/4/2021	0.0045 (J)	
1/31/2022		0.0052
8/15/2022		0.0056
2/14/2023		0.0058
7/26/2023		0.0075

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.005	
5/18/2016	<0.005	
7/27/2016	<0.005	
9/21/2016	<0.005	
11/4/2016	<0.005	
1/24/2017	<0.005	
3/29/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/11/2020	0.0004 (J)	
9/11/2020	<0.005	
3/15/2021	<0.005	
8/11/2021	<0.005	
2/1/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.00421 (J)	
5/18/2016	<0.01	
7/28/2016	0.0024 (J)	
9/21/2016	0.0044 (J)	
11/7/2016	0.0035 (J)	
1/24/2017	0.005 (J)	
3/30/2017	0.0046 (J)	
9/29/2017	0.004 (J)	
3/15/2018	0.0028 (J)	
9/14/2018	0.0024 (J)	
3/19/2019	0.0047 (J)	
9/11/2019	0.0012 (J)	
3/9/2020	0.003 (J)	
9/14/2020	0.0014 (J)	
3/15/2021	0.0013 (J)	
8/5/2021	0.0023 (J)	
2/1/2022		0.0014 (J)
8/15/2022		0.0022 (J)
2/14/2023		0.0018 (J)
7/27/2023		0.0017 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0069	
10/25/2007	0.038	
11/19/2007	0.025	
1/23/2008	0.047	
3/11/2008	0.042	
5/12/2008	0.031	
12/11/2008	0.027	
4/15/2009	0.025	
10/9/2009	0.051	
5/4/2010	0.025	
10/12/2010	0.024	
4/28/2011	0.01	
10/19/2011	0.03	
5/2/2012	0.0429	
10/9/2012	0.033	
4/11/2013	0.02	
10/16/2013	0.028	
4/23/2014	0.024	
10/3/2014	0.032	
3/31/2015	0.012	
10/12/2015	0.012	
3/28/2016	0.0172	
8/1/2016	0.0113	
4/3/2017	0.0114	
10/3/2017	0.0098 (J)	
3/19/2018	0.0092 (J)	
9/17/2018	0.0085 (J)	
3/20/2019	0.008 (J)	
9/16/2019	0.008 (J)	
3/16/2020	0.015	
9/16/2020	0.0075 (J)	
3/17/2021	0.0077	
8/9/2021	0.0089	
2/2/2022		0.0088
8/16/2022		0.0087
2/20/2023		0.0087
7/28/2023		0.009

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.005	
10/25/2007	0.0028	
11/20/2007	0.012	
1/23/2008	0.046 (O)	
3/11/2008	0.0091	
5/14/2008	0.022	
12/11/2008	0.005	
4/23/2009	0.0031	
10/9/2009	0.0053	
5/4/2010	<0.005	
10/11/2010	0.0042	
4/26/2011	0.0051	
10/18/2011	<0.005	
5/2/2012	<0.005	
10/8/2012	<0.005	
4/10/2013	<0.005	
10/8/2013	0.0025	
4/14/2014	0.0025 (J)	
10/3/2014	0.0021 (J)	
4/1/2015	0.0026	
10/9/2015	<0.005	
3/29/2016	<0.005	
8/1/2016	<0.005	
4/6/2017	0.0005 (J)	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	0.0011 (J)	
4/6/2017	0.0011 (J)	
10/3/2017	0.0012 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
3/21/2019	0.00099 (J)	
9/13/2019	0.00061 (J)	
3/12/2020	0.00078 (J)	
9/16/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	0.0009 (J)	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.005	
4/30/2012	<0.005	
10/3/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/10/2014	<0.005	
10/2/2014	<0.005	
4/3/2015	<0.005	
10/8/2015	0.003	
3/30/2016	<0.005	
8/2/2016	<0.005	
4/6/2017	0.0003 (J)	
10/4/2017	<0.005	
3/21/2018	<0.005	
9/18/2018	<0.005	
3/27/2019	<0.005	
9/16/2019	<0.005 (D)	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/17/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.002 (J)	
6/18/2015	0.0025 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
8/2/2016	<0.005	
4/7/2017	0.0007 (J)	
10/3/2017	0.0006 (J)	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	0.0006 (J)	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.0046	
11/1/2007	0.0057	
11/19/2007	0.014 (J)	
1/15/2008	0.057 (O)	
3/6/2008	0.046 (O)	
5/13/2008	0.0069	
12/12/2008	0.0061	
4/16/2009	0.0067 (J)	
10/13/2009	0.0054	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	0.0029	
4/9/2014	0.0025 (J)	
9/30/2014	<0.01	
4/2/2015	0.0016 (J)	
10/10/2015	0.00295 (D)	
3/30/2016	0.00202 (J)	
8/5/2016	<0.01	
4/6/2017	0.001 (J)	
10/3/2017	0.0007 (J)	
3/20/2018	0.00097 (J)	
9/18/2018	<0.01 (D)	
3/21/2019	0.001 (J)	
9/16/2019	0.00062 (J)	
3/12/2020	0.0011 (J)	
9/17/2020	<0.01	
3/18/2021	0.001 (J)	
8/10/2021	0.001 (J)	
2/2/2022		0.0011 (J)
8/17/2022		0.0011 (J)
2/21/2023		0.001 (J)
7/31/2023		0.00071 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/11/2008	<0.005	
5/6/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/7/2009	<0.005	
4/26/2010	<0.005	
10/4/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/9/2012	<0.005	
4/15/2013	<0.005	
10/15/2013	<0.005	
4/22/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/20/2016	0.00216 (J)	
7/29/2016	0.001 (J)	
9/23/2016	<0.005	
11/9/2016	<0.005	
1/31/2017	<0.005	
3/30/2017	<0.005	
6/12/2017	<0.005	
10/2/2017	<0.005	
3/19/2018	0.0016 (J)	
9/14/2018	<0.005	
3/20/2019	<0.005	
9/12/2019	<0.005 (D)	
3/11/2020	0.0021 (J)	
9/15/2020	<0.005	
3/17/2021	0.0045 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		0.0014 (J)
7/27/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.005	
10/24/2007	<0.005	
11/18/2007	<0.005	
1/31/2008	<0.005	
3/10/2008	<0.005	
5/13/2008	<0.005	
12/4/2008	<0.005	
4/21/2009	<0.005	
10/8/2009	<0.005	
4/21/2010	<0.005	
9/28/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
10/9/2012	<0.005	
4/11/2013	<0.005	
10/16/2013	<0.005	
4/10/2014	<0.005	
9/30/2014	<0.005	
3/30/2015	<0.005	
10/13/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/29/2016	<0.005	
9/22/2016	<0.005	
11/10/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/9/2017	<0.005	
10/2/2017	<0.005	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	<0.005	
3/11/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	0.0021 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/27/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00236 (J)	
5/13/2016	<0.005	
7/19/2016	<0.005	
9/16/2016	<0.005	
11/2/2016	<0.005	
1/18/2017	<0.005	
3/28/2017	<0.005	
6/6/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/12/2018	<0.005	
3/13/2019	<0.005	
9/11/2019	<0.005	
3/9/2020	<0.005	
9/11/2020	<0.005	
3/11/2021	<0.005	
8/6/2021	<0.005	
1/31/2022		<0.005
8/11/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/12/2008	<0.005	
12/13/2008	<0.005	
4/28/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/18/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
4/1/2015	<0.005	
10/15/2015	0.0055	
4/4/2016	0.00286 (J)	
5/31/2016	0.00303 (J)	
8/4/2016	0.005 (J)	
9/29/2016	0.0074 (J)	
11/28/2016	0.0073 (J)	
2/9/2017	0.0067 (J)	
4/12/2017	0.0048 (J)	
6/16/2017	0.007 (J)	
10/9/2017	0.0048 (J)	
3/21/2018	0.0021 (J)	
9/19/2018	0.0019 (J)	
3/23/2019	<0.005	
9/18/2019	0.0018 (J)	
3/13/2020	0.0019 (J)	
9/22/2020	<0.005	
3/18/2021	0.0021 (J)	
8/11/2021	<0.005	
2/17/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	<0.005	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
6/1/2016	<0.005	
2/22/2017	0.0014 (J)	
4/11/2017	0.0024 (J)	
6/16/2017	<0.005	
7/12/2017	0.0019 (J)	
7/28/2017	<0.005	
8/10/2017	0.0019 (J)	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/16/2009	<0.005	
10/20/2009	<0.005	
4/20/2010	<0.005	
9/29/2010	<0.005	
4/12/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
6/1/2016	<0.005	
8/9/2016	<0.005	
11/28/2016	<0.005	
2/9/2017	<0.005	
4/11/2017	<0.005	
6/14/2017	<0.005	
7/12/2017	<0.005	
10/5/2017	<0.005	
3/22/2018	<0.005	
9/19/2018	<0.005	
3/22/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	0.0016 (J)	
9/21/2020	<0.005	
3/18/2021	0.0016 (J)	
8/11/2021	<0.005	
2/4/2022		<0.005
8/18/2022		<0.005
2/22/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.005	
11/2/2007	<0.005	
11/17/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/7/2008	<0.005	
12/2/2008	<0.005	
4/28/2009	<0.005	
10/19/2009	<0.005	
4/27/2010	<0.005	
10/4/2010	<0.005	
4/18/2011	<0.005	
10/12/2011	<0.005	
4/23/2012	<0.005	
10/10/2012	<0.005	
4/15/2013	<0.005	
10/22/2013	<0.005	
4/21/2014	<0.005	
9/30/2014	<0.005	
4/3/2015	<0.005	
10/7/2015	<0.005	
4/5/2016	<0.005	
5/31/2016	<0.005	
8/4/2016	<0.005	
9/29/2016	<0.005	
11/23/2016	0.0016 (J)	
2/10/2017	<0.005	
4/12/2017	<0.005	
6/15/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/19/2018	<0.005	
3/25/2019	<0.005	
9/17/2019	<0.005	
3/13/2020	<0.005	
9/21/2020	<0.005	
3/18/2021	<0.005	
8/11/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00622 (J)	
5/16/2016	0.0021 (J)	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/3/2016	<0.005	
1/19/2017	<0.005	
3/28/2017	0.0033 (J)	
6/5/2017	0.0068 (J)	
9/26/2017	0.0037 (J)	
3/15/2018	0.0031 (J)	
9/12/2018	<0.005	
3/14/2019	0.0042 (J)	
9/11/2019	0.0021 (J)	
3/10/2020	0.0063 (J)	
9/15/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	0.0036 (J)	
1/31/2022		0.0018 (J)
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.005	
5/17/2016	<0.005	
7/26/2016	0.0009 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/20/2017	<0.005	
3/28/2017	<0.005	
6/7/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/18/2019	<0.005	
9/11/2019	<0.005	
3/10/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/5/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.005	
5/17/2016	<0.005	
7/27/2016	0.0009 (J)	
9/20/2016	<0.005	
11/4/2016	<0.005	
1/23/2017	<0.005	
3/28/2017	<0.005	
6/8/2017	<0.005	
9/29/2017	<0.005	
3/15/2018	<0.005	
9/13/2018	<0.005	
3/15/2019	<0.005	
9/11/2019	<0.005 (D)	
3/9/2020	<0.005	
9/14/2020	<0.005	
3/11/2021	<0.005	
8/4/2021	<0.005	
1/31/2022		<0.005
8/15/2022		<0.005
2/14/2023		<0.005
7/26/2023		0.0016 (J)

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	<0.005	
10/25/2007	<0.005	
11/19/2007	<0.005	
1/23/2008	<0.005	
3/11/2008	<0.005	
5/12/2008	<0.005	
12/11/2008	<0.005	
4/15/2009	<0.005	
10/9/2009	0.015 (O)	
5/4/2010	<0.005	
10/12/2010	<0.005	
4/28/2011	<0.005	
10/19/2011	<0.005	
5/2/2012	<0.005	
10/9/2012	0.0054	
4/11/2013	0.0072	
10/16/2013	<0.005	
4/23/2014	0.0067	
10/3/2014	<0.005	
3/31/2015	<0.005	
10/12/2015	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
8/1/2016	<0.005	
9/27/2016	<0.005	
11/11/2016	<0.005	
1/31/2017	<0.005	
4/3/2017	<0.005	
6/12/2017	<0.005	
10/3/2017	<0.005	
3/19/2018	<0.005	
9/17/2018	<0.005	
3/20/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	0.0019 (J)	
8/9/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/20/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/9/2015	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
8/1/2016	<0.005	
9/26/2016	<0.005	
11/14/2016	<0.005	
2/1/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/17/2018	<0.005	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/17/2021	0.0038 (J)	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/17/2023		<0.005
7/28/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.005	
6/18/2015	<0.005 (D)	
7/2/2015	<0.005	
10/8/2015	<0.005	
3/22/2016	<0.005	
5/25/2016	<0.005	
8/2/2016	<0.005	
9/26/2016	<0.005	
11/21/2016	<0.005	
2/3/2017	<0.005	
4/7/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005	
5/6/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	0.0089	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/20/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/15/2008	<0.005	
3/6/2008	<0.005	
5/13/2008	<0.005	
12/12/2008	<0.005	
4/16/2009	<0.005	
10/13/2009	<0.005	
4/21/2010	<0.005	
9/29/2010	<0.005	
4/13/2011	<0.005	
10/5/2011	<0.005	
4/4/2012	<0.005	
10/8/2012	<0.005	
4/8/2013	<0.005	
10/9/2013	<0.005	
4/9/2014	<0.005	
9/30/2014	<0.005	
4/2/2015	<0.005	
10/10/2015	<0.005 (D)	
3/30/2016	0.00388 (J)	
5/26/2016	<0.005	
8/5/2016	<0.005	
9/28/2016	<0.005	
11/21/2016	<0.005	
2/6/2017	<0.005	
4/6/2017	<0.005	
6/13/2017	<0.005	
10/3/2017	<0.005	
3/20/2018	<0.005	
9/18/2018	<0.005 (D)	
3/21/2019	<0.005	
9/16/2019	<0.005	
3/12/2020	<0.005	
9/17/2020	<0.005	
3/18/2021	<0.005	
8/10/2021	<0.005	
2/2/2022		<0.005
8/17/2022		<0.005
2/21/2023		<0.005
7/31/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.005 (D)	
7/27/2016	0.0012 (JD)	
2/21/2017	<0.005	
3/27/2017	<0.005 (D)	
9/29/2017	<0.005 (D)	
3/16/2018	<0.005	
9/14/2018	<0.005	
3/14/2019	<0.005	
3/9/2020	<0.005	
9/16/2020	<0.005	
3/16/2021	<0.005	
8/6/2021	<0.005	
2/2/2022		<0.005
8/16/2022		<0.005
2/14/2023		<0.005
7/25/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	<0.005	
4/23/2009	<0.005	
10/6/2009	<0.005	
4/27/2010	<0.005	
9/30/2010	<0.005	
4/14/2011	<0.005	
10/5/2011	<0.005	
4/11/2012	<0.005	
10/2/2012	<0.005	
4/9/2013	<0.005	
10/15/2013	<0.005	
4/10/2014	0.0025 (J)	
10/1/2014	<0.005	
3/30/2015	<0.005	
10/11/2015	<0.005	
3/28/2016	<0.005	
8/1/2016	0.0004 (J)	
4/7/2017	0.0005 (J)	
10/2/2017	0.0006 (J)	
3/16/2018	<0.005	
9/17/2018	<0.005	
3/19/2019	<0.005	
9/13/2019	0.00045 (J)	
3/11/2020	0.00039 (J)	
9/16/2020	0.00042 (J)	
3/17/2021	0.00044 (J)	
8/9/2021	<0.005	
2/1/2022		<0.005
8/16/2022		<0.005
2/16/2023		<0.005
7/28/2023		0.00044 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.0025	
4/23/2009	<0.0025	
10/6/2009	0.0048	
5/3/2010	<0.0025	
10/11/2010	<0.0025	
4/27/2011	0.004	
10/19/2011	<0.0025	
5/1/2012	<0.0025	
10/2/2012	<0.0025	
4/10/2013	<0.0025	
10/16/2013	0.0034	
4/22/2014	0.0034	
10/1/2014	0.0012 (J)	
3/30/2015	0.003	
10/11/2015	0.0018 (J)	
3/28/2016	0.0022 (J)	
8/1/2016	0.0016 (J)	
4/3/2017	0.0022 (J)	
10/2/2017	0.0021 (J)	
3/16/2018	0.0023 (J)	
9/18/2018	0.0017 (J)	
3/19/2019	0.0017 (J)	
9/12/2019	0.0028 (J)	
3/11/2020	0.0013 (J)	
9/15/2020	0.0012 (J)	
3/17/2021	0.0026 (J)	
8/9/2021	0.0015 (J)	
2/2/2022		0.0012 (J)
8/17/2022		0.0021 (J)
2/16/2023		0.0011 (J)
7/28/2023		0.00091 (J)

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/16/2008	<0.005	
3/5/2008	0.0046	
5/13/2008	<0.005	
12/13/2008	<0.005	
4/16/2009	<0.005	
10/21/2009	<0.005	
4/27/2010	<0.005	
10/5/2010	<0.005	
4/19/2011	<0.005	
10/12/2011	<0.005	
4/24/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/9/2013	<0.005	
4/1/2014	<0.005	
10/2/2014	<0.005	
4/1/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
8/3/2016	<0.005	
4/11/2017	<0.005	
10/4/2017	<0.005	
3/22/2018	<0.005	
9/18/2018	<0.005	
3/23/2019	<0.005	
9/17/2019	<0.005 (D)	
3/12/2020	<0.005	
9/21/2020	<0.005	
3/19/2021	<0.005	
8/11/2021	<0.005	
2/2/2022		<0.005
8/18/2022		<0.005
2/21/2023		<0.005
8/1/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.005	
11/1/2007	<0.005	
11/19/2007	<0.005	
1/31/2008	<0.005	
3/5/2008	<0.005	
5/7/2008	<0.005	
12/12/2008	<0.005	
4/29/2009	0.0026	
10/21/2009	<0.005	
4/28/2010	<0.005	
10/6/2010	<0.005	
4/20/2011	<0.005	
10/12/2011	<0.005	
4/25/2012	<0.005	
10/2/2012	<0.005	
4/2/2013	<0.005	
10/8/2013	<0.005	
4/1/2014	<0.005	
10/1/2014	<0.005	
3/31/2015	<0.005	
10/14/2015	<0.005	
4/4/2016	<0.005	
4/11/2017	<0.005	
10/6/2017	<0.005	
3/23/2018	<0.005	
9/20/2018	<0.005	
3/22/2019	<0.005	
9/18/2019	<0.005	
3/17/2020	<0.005	
9/22/2020	<0.005	
3/19/2021	<0.005	
8/12/2021	<0.005	
2/4/2022		<0.005
8/19/2022		<0.005
2/22/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	<0.01	
10/23/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/7/2009	0.0099	
5/3/2010	<0.01	
10/12/2010	<0.01	
4/27/2011	<0.01	
10/17/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/12/2013	<0.01	
10/16/2013	<0.01	
4/11/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0067	
10/13/2015	<0.01	
3/22/2016	0.00214 (J)	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/17/2018	<0.01 (D)	
3/20/2019	<0.01	
9/12/2019	<0.01	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/16/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01
7/27/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	0.0051	
1/31/2008	<0.01	
3/11/2008	0.0032	
5/6/2008	<0.01	
12/4/2008	0.016 (O)	
4/21/2009	0.005	
10/7/2009	<0.01	
4/26/2010	<0.01	
10/4/2010	0.0025	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/11/2012	<0.01	
10/9/2012	<0.01	
4/15/2013	<0.01	
10/15/2013	<0.01	
4/22/2014	<0.01	
9/30/2014	<0.01	
3/30/2015	0.0016 (J)	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/2/2017	<0.01	
3/19/2018	<0.01	
9/14/2018	<0.01	
3/20/2019	<0.01	
9/12/2019	<0.01 (D)	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01
7/27/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	<0.01	
10/24/2007	<0.01	
11/18/2007	<0.01	
1/31/2008	0.0078	
3/10/2008	<0.01	
5/13/2008	<0.01	
12/4/2008	<0.01	
4/21/2009	0.0036	
10/8/2009	<0.01	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/10/2014	0.005 (J)	
9/30/2014	<0.01	
3/30/2015	<0.01	
10/13/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/19/2019	<0.01	
9/13/2019	0.001 (J)	
3/11/2020	0.00084 (J)	
9/15/2020	<0.01	
3/16/2021	<0.01	
8/9/2021	<0.01	
2/1/2022		<0.01
8/16/2022		<0.01
2/16/2023		<0.01
7/27/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.01 (D)	
7/27/2016	0.002 (JD)	
2/21/2017	<0.01	
3/27/2017	<0.01 (D)	
9/29/2017	<0.01 (D)	
3/16/2018	<0.01	
9/14/2018	<0.01	
3/14/2019	<0.01	
3/9/2020	<0.01	
9/16/2020	<0.01	
3/16/2021	<0.01	
8/6/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/14/2023		<0.01
7/25/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	<0.01	
11/2/2007	<0.01	
11/18/2007	0.0046	
1/31/2008	<0.01	
3/11/2008	<0.01	
5/14/2008	<0.01	
12/5/2008	<0.01	
4/15/2009	<0.01	
10/8/2009	<0.01	
4/28/2010	<0.01	
10/6/2010	<0.01	
4/21/2011	<0.01	
10/13/2011	<0.01	
5/1/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/4/2014	<0.01	
3/31/2015	0.0023 (J)	
10/12/2015	<0.01	
3/23/2016	<0.01	
7/29/2016	<0.01	
3/30/2017	<0.01	
10/4/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019	<0.01	
9/13/2019	<0.01	
3/11/2020	<0.01	
3/29/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/17/2023		<0.01
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.00204 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/12/2018	<0.01	
3/13/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	<0.01	
9/11/2020	<0.01	
3/11/2021	<0.01	
8/6/2021	<0.01	
1/31/2022		<0.01
8/11/2022		<0.01
2/14/2023		<0.01
7/25/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00202 (J)	
5/13/2016	<0.01	
7/19/2016	<0.01	
9/16/2016	<0.01	
11/2/2016	<0.01	
1/18/2017	<0.01	
3/28/2017	<0.01	
9/22/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/13/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	0.00074 (J)	
9/14/2020	<0.01	
3/11/2021	<0.01	
8/5/2021	<0.01	
1/31/2022		<0.01
8/10/2022		<0.01
2/13/2023		<0.01
7/25/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.01	
10/3/2017	<0.01 (D)	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/21/2019	<0.01 (D)	
9/12/2019	0.00084 (JD)	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/16/2021	<0.01	
8/10/2021	<0.01	
2/3/2022		<0.01
8/17/2022		<0.01
2/17/2023		<0.01
7/28/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	<0.01	
4/23/2009	0.0065	
10/6/2009	0.0026	
5/3/2010	0.0028	
10/11/2010	0.0035	
4/27/2011	0.0047	
10/19/2011	<0.01	
5/1/2012	<0.01	
10/2/2012	<0.01	
4/10/2013	<0.01	
10/16/2013	<0.01	
4/22/2014	0.005 (J)	
10/1/2014	<0.01	
3/30/2015	0.0032 (J)	
10/11/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/2/2017	<0.01	
3/16/2018	<0.01	
9/18/2018	<0.01	
3/19/2019	<0.01	
9/12/2019	<0.01	
3/11/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/16/2023		<0.01
7/28/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	<0.01	
11/1/2007	<0.01	
11/20/2007	0.0034	
1/30/2008	0.005	
3/6/2008	0.0032	
5/12/2008	<0.01	
12/13/2008	0.0082	
4/29/2009	<0.01	
10/20/2009	<0.01	
4/26/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/15/2013	<0.01	
4/9/2014	<0.01	
10/2/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	<0.01	
3/31/2016	<0.01	
8/5/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/4/2022		<0.01
8/17/2022		<0.01
2/20/2023		<0.01
7/31/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/5/2008	<0.01	
5/7/2008	0.0029	
12/14/2008	0.0026	
4/29/2009	<0.01	
10/22/2009	0.0026	
4/21/2010	<0.01	
9/28/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/11/2015	<0.01	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/23/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/20/2023		<0.01
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.01	
11/1/2007	<0.01	
11/18/2007	<0.01	
1/30/2008	<0.01	
3/6/2008	0.0047	
5/7/2008	0.003	
12/14/2008	0.0056	
4/29/2009	0.018 (O)	
10/22/2009	0.0079	
4/21/2010	0.0075	
9/29/2010	0.0065	
4/13/2011	0.004	
10/4/2011	0.0054	
4/4/2012	<0.01	
10/3/2012	<0.01	
4/3/2013	<0.01	
10/9/2013	<0.01	
4/2/2014	0.005 (J)	
10/2/2014	<0.01	
4/1/2015	0.0067	
10/11/2015	0.0049 (J)	
4/4/2016	0.00251 (J)	
8/4/2016	<0.01	
4/10/2017	<0.01	
10/4/2017	0.0015 (J)	
3/22/2018	<0.01	
9/18/2018	0.0022 (J)	
3/23/2019	<0.01	
9/17/2019	<0.01	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/20/2023		<0.01
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	<0.01	
1/16/2008	0.0071	
3/5/2008	0.0031	
5/13/2008	<0.01	
12/13/2008	<0.01	
4/16/2009	0.0037	
10/21/2009	0.0047	
4/27/2010	0.0082	
10/5/2010	<0.01	
4/19/2011	0.0036	
10/12/2011	<0.01	
4/24/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/9/2013	<0.01	
4/1/2014	<0.01	
10/2/2014	<0.01	
4/1/2015	<0.01	
10/14/2015	0.0022 (J)	
4/4/2016	<0.01	
8/3/2016	<0.01	
4/11/2017	<0.01	
10/4/2017	<0.01	
3/22/2018	<0.01	
9/18/2018	<0.01	
3/23/2019	<0.01	
9/17/2019	<0.01 (D)	
3/12/2020	<0.01	
9/21/2020	<0.01	
3/19/2021	<0.01	
8/11/2021	<0.01	
2/2/2022		<0.01
8/18/2022		<0.01
2/21/2023		0.0034 (J)
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0035	
1/31/2008	0.0039	
3/5/2008	<0.01	
5/12/2008	0.0064	
12/13/2008	0.02 (O)	
4/28/2009	0.0039	
10/21/2009	0.0037	
4/28/2010	<0.01	
10/5/2010	<0.01	
4/19/2011	0.0025	
10/18/2011	0.0037	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
4/1/2015	0.0019 (J)	
10/15/2015	<0.01	
4/4/2016	0.00211 (J)	
8/4/2016	<0.01	
4/12/2017	0.0016 (J)	
10/9/2017	<0.01	
3/21/2018	<0.01	
9/19/2018	0.0022 (J)	
3/23/2019	<0.01	
9/18/2019	<0.01	
3/13/2020	0.002 (J)	
9/22/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	0.0021 (J)	
2/17/2022		<0.01
8/18/2022		<0.01
2/22/2023		0.0019 (J)
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.01	
11/1/2007	0.0048	
11/19/2007	0.0054	
1/31/2008	0.003	
3/5/2008	<0.01	
5/7/2008	0.0041	
12/12/2008	0.023 (O)	
4/29/2009	0.006	
10/21/2009	0.022 (O)	
4/28/2010	0.011	
10/6/2010	0.0064	
4/20/2011	0.0046	
10/12/2011	<0.01	
4/25/2012	<0.01	
10/2/2012	<0.01	
4/2/2013	<0.01	
10/8/2013	<0.01	
4/1/2014	0.005 (J)	
10/1/2014	<0.01	
3/31/2015	<0.01	
10/14/2015	<0.01	
4/4/2016	<0.01	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/20/2018	<0.01	
3/22/2019	<0.01	
9/18/2019	<0.01	
3/17/2020	<0.01	
9/22/2020	<0.01	
3/19/2021	<0.01	
8/12/2021	<0.01	
2/4/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01
8/2/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.012	
11/2/2007	<0.01	
11/17/2007	0.0043	
1/15/2008	0.0037	
3/5/2008	0.0049	
5/7/2008	<0.01	
12/2/2008	0.0097	
4/16/2009	0.0061	
10/20/2009	0.0092	
4/20/2010	<0.01	
9/29/2010	<0.01	
4/12/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.001 (J)	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/9/2016	<0.01	
4/11/2017	<0.01	
10/5/2017	<0.01	
3/22/2018	<0.01	
9/19/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	<0.01	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/18/2022		<0.01
2/22/2023		<0.01
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	<0.01	
11/2/2007	<0.01	
11/17/2007	<0.01	
1/15/2008	<0.01	
3/6/2008	<0.01	
5/7/2008	<0.01	
12/2/2008	<0.01	
4/28/2009	<0.01	
10/19/2009	<0.01	
4/27/2010	<0.01	
10/4/2010	<0.01	
4/18/2011	<0.01	
10/12/2011	<0.01	
4/23/2012	<0.01	
10/10/2012	<0.01	
4/15/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	<0.01	
9/30/2014	<0.01	
4/3/2015	<0.01	
10/7/2015	<0.01	
4/5/2016	<0.01	
8/4/2016	<0.01	
4/12/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/25/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	0.00077 (J)	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/4/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01
8/2/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.0027	
11/2/2007	0.012	
11/18/2007	0.016 (J)	
1/15/2008	0.018	
3/10/2008	0.014	
5/13/2008	0.013	
12/2/2008	0.016	
4/28/2009	0.016	
10/20/2009	0.021	
4/27/2010	0.012	
10/5/2010	0.011	
4/19/2011	0.012	
10/12/2011	0.0031	
4/25/2012	<0.01	
10/10/2012	<0.01	
4/16/2013	<0.01	
10/22/2013	<0.01	
4/21/2014	0.005 (J)	
9/30/2014	<0.01	
4/3/2015	0.0016 (J)	
10/6/2015	0.002 (J)	
4/5/2016	0.00233 (J)	
4/11/2017	<0.01	
10/6/2017	<0.01	
3/23/2018	<0.01	
9/19/2018	<0.01	
3/22/2019	<0.01	
9/17/2019	<0.01	
3/13/2020	0.00095 (J)	
9/21/2020	<0.01	
3/18/2021	<0.01	
8/11/2021	<0.01	
2/7/2022		<0.01
8/19/2022		<0.01
2/22/2023		<0.01
8/1/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.01	
5/16/2016	<0.01	
7/25/2016	<0.01	
9/19/2016	<0.01	
11/3/2016	<0.01	
1/19/2017	<0.01	
3/28/2017	<0.01	
9/26/2017	<0.01	
3/15/2018	<0.01	
9/12/2018	<0.01	
3/14/2019	<0.01	
9/11/2019	<0.01	
3/10/2020	<0.01	
9/15/2020	<0.01	
3/11/2021	<0.01	
8/4/2021	<0.01	
1/31/2022		<0.01
8/15/2022		<0.01
2/14/2023		<0.01
7/26/2023		0.0026 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.01	
5/16/2016	<0.01 (D)	
7/25/2016	0.0022 (JD)	
9/19/2016	<0.01 (D)	
11/4/2016	<0.01 (D)	
1/23/2017	<0.01 (D)	
3/29/2017	<0.01 (D)	
9/27/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/14/2019	<0.01 (D)	
9/11/2019	<0.01 (D)	
3/10/2020	<0.01	
9/11/2020	<0.01	
3/11/2021	<0.01	
8/6/2021	<0.01	
2/1/2022		<0.01
8/12/2022		<0.01
2/14/2023		<0.01
7/26/2023		0.0026 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.01	
5/18/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/20/2017	<0.01	
3/29/2017	<0.01	
9/27/2017	<0.01	
3/16/2018	<0.01	
9/13/2018	<0.01	
3/19/2019	<0.01	
9/11/2019	<0.01	
3/9/2020	0.00075 (J)	
9/15/2020	<0.01	
3/11/2021	<0.01	
8/5/2021	<0.01	
2/1/2022		<0.01
8/15/2022		<0.01
2/14/2023		<0.01
7/27/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.01	
5/17/2016	<0.01	
7/27/2016	<0.01	
9/20/2016	<0.01	
11/4/2016	<0.01	
1/23/2017	<0.01	
3/28/2017	<0.01	
9/29/2017	<0.01	
3/15/2018	<0.01	
9/13/2018	<0.01	
3/15/2019	<0.01	
9/11/2019	<0.01 (D)	
3/9/2020	<0.01	
9/14/2020	<0.01	
3/11/2021	<0.01	
8/4/2021	<0.01	
1/31/2022		<0.01
8/15/2022		<0.01
2/14/2023		<0.01
7/26/2023		0.0028 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.0032	
10/25/2007	<0.01	
11/19/2007	<0.01	
1/23/2008	<0.01	
3/11/2008	<0.01	
5/12/2008	<0.01	
12/11/2008	<0.01	
4/15/2009	<0.01	
10/9/2009	<0.01	
5/4/2010	<0.01	
10/12/2010	<0.01	
4/28/2011	<0.01	
10/19/2011	<0.01	
5/2/2012	<0.01	
10/9/2012	<0.01	
4/11/2013	<0.01	
10/16/2013	<0.01	
4/23/2014	<0.01	
10/3/2014	0.00097 (J)	
3/31/2015	0.00096 (J)	
10/12/2015	<0.01	
3/28/2016	<0.01	
8/1/2016	<0.01	
4/3/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/20/2019	<0.01	
9/16/2019	<0.01	
3/16/2020	<0.01	
9/16/2020	<0.01	
3/17/2021	<0.01	
8/9/2021	<0.01	
2/2/2022		<0.01
8/16/2022		<0.01
2/20/2023		<0.01
7/28/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	<0.01	
10/25/2007	<0.01	
11/20/2007	<0.01	
1/23/2008	0.007	
3/11/2008	0.0033	
5/14/2008	0.0043	
12/11/2008	<0.01	
4/23/2009	<0.01	
10/9/2009	0.0043	
5/4/2010	0.0027	
10/11/2010	0.0034	
4/26/2011	<0.01	
10/18/2011	<0.01	
5/2/2012	<0.01	
10/8/2012	<0.01	
4/10/2013	<0.01	
10/8/2013	<0.01	
4/14/2014	0.005 (J)	
10/3/2014	0.0016 (J)	
4/1/2015	0.0021 (J)	
10/9/2015	<0.01	
3/29/2016	<0.01	
8/1/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/19/2018	<0.01	
9/17/2018	<0.01	
3/21/2019	<0.01	
9/16/2019	<0.01	
3/12/2020	<0.01	
9/16/2020	<0.01	
3/17/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/17/2023		<0.01
7/31/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	<0.01	
4/30/2012	<0.01	
10/3/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/10/2014	0.005 (J)	
10/2/2014	<0.01	
4/3/2015	<0.01	
10/8/2015	0.0056	
3/30/2016	<0.01	
8/2/2016	<0.01	
4/6/2017	<0.01	
10/4/2017	<0.01	
3/21/2018	<0.01	
9/18/2018	<0.01	
3/27/2019	<0.01	
9/16/2019	<0.01 (D)	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/17/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/21/2023		<0.01
7/31/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	<0.01	
6/18/2015	0.005 (D)	
7/2/2015	<0.01	
10/8/2015	<0.01	
3/22/2016	<0.01	
8/2/2016	<0.01	
4/7/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01	
5/6/2019	<0.01	
9/16/2019	<0.01	
3/16/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/20/2023		<0.01
7/31/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intravel
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	<0.01	
11/1/2007	<0.01	
11/19/2007	0.0052	
1/15/2008	0.0065	
3/6/2008	0.0028	
5/13/2008	<0.01	
12/12/2008	<0.01	
4/16/2009	0.0033	
10/13/2009	<0.01	
4/21/2010	<0.01	
9/29/2010	<0.01	
4/13/2011	<0.01	
10/5/2011	<0.01	
4/4/2012	<0.01	
10/8/2012	<0.01	
4/8/2013	<0.01	
10/9/2013	<0.01	
4/9/2014	<0.01	
9/30/2014	<0.01	
4/2/2015	<0.01	
10/10/2015	0.0032 (JD)	
3/30/2016	<0.01	
8/5/2016	<0.01	
4/6/2017	<0.01	
10/3/2017	<0.01	
3/20/2018	<0.01	
9/18/2018	<0.01 (D)	
3/21/2019	<0.01	
9/16/2019	<0.01	
3/12/2020	<0.01	
9/17/2020	<0.01	
3/18/2021	<0.01	
8/10/2021	<0.01	
2/2/2022		<0.01
8/17/2022		<0.01
2/21/2023		0.003 (J)
7/31/2023		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
8/23/2007	0.032 (O)	
10/23/2007	0.0099	
11/18/2007	0.0095 (J)	
1/30/2008	0.022 (O)	
3/10/2008	0.014	
5/13/2008	0.0075	
12/5/2008	0.0056 (J)	
4/15/2009	0.0033	
10/7/2009	0.061 (O)	
5/3/2010	0.0033	
10/12/2010	0.0041	
4/27/2011	<0.02	
10/17/2011	0.0046	
5/2/2012	<0.02	
10/8/2012	0.0053	
4/12/2013	0.006	
10/16/2013	0.0048	
4/11/2014	0.0033	
9/30/2014	0.002 (J)	
3/30/2015	0.012	
10/13/2015	0.011	
3/22/2016	0.00346 (J)	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/17/2018	<0.02 (D)	
3/20/2019	<0.02	
9/12/2019	0.0047 (J)	
3/11/2020	0.0035 (J)	
9/15/2020	<0.02	
3/16/2021	0.0091 (J)	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02
7/27/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
8/23/2007	0.0033	
10/24/2007	0.043 (O)	
11/18/2007	0.024	
1/31/2008	0.015	
3/11/2008	0.027	
5/6/2008	0.0032	
12/4/2008	0.081 (O)	
4/21/2009	0.0057	
10/7/2009	<0.02	
4/26/2010	<0.02	
10/4/2010	0.0057	
4/13/2011	<0.02	
10/5/2011	<0.02	
4/11/2012	<0.02	
10/9/2012	<0.02	
4/15/2013	0.0038	
10/15/2013	0.0044	
4/22/2014	0.0025 (J)	
9/30/2014	0.00076 (J)	
3/30/2015	0.0024 (J)	
10/13/2015	0.0017 (J)	
3/23/2016	<0.02	
7/29/2016	<0.02	
3/30/2017	<0.02	
10/2/2017	<0.02	
3/19/2018	<0.02	
9/14/2018	<0.02	
3/20/2019	<0.02	
9/12/2019	0.00505 (JD)	
3/11/2020	0.0028 (J)	
9/15/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02
7/27/2023		0.011 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
8/23/2007	0.0079	
10/24/2007	<0.02	
11/18/2007	0.015	
1/31/2008	0.063 (O)	
3/10/2008	0.013 (J)	
5/13/2008	0.0072	
12/4/2008	0.011 (J)	
4/21/2009	0.0041	
10/8/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0081	
4/12/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.02	
10/9/2012	0.0064	
4/11/2013	<0.02	
10/16/2013	<0.02	
4/10/2014	0.0026	
9/30/2014	0.0012 (J)	
3/30/2015	0.013	
10/13/2015	0.0043	
3/23/2016	<0.02	
7/29/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	<0.02	
3/16/2018	<0.02	
9/14/2018	<0.02	
3/19/2019	<0.02	
9/13/2019	0.0078 (J)	
3/11/2020	0.0038 (J)	
9/15/2020	<0.02	
3/16/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02
7/27/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.02 (D)	
7/27/2016	<0.02 (*)	
2/21/2017	0.0049 (J)	
3/27/2017	<0.02 (*)	
9/29/2017	0.0012 (JD)	
3/16/2018	0.0042 (J)	
9/14/2018	<0.02	
3/14/2019	0.0035 (J)	
3/9/2020	0.009 (J)	
9/16/2020	<0.02	
3/16/2021	<0.02	
8/6/2021	<0.02	
2/2/2022		<0.02
8/16/2022		<0.02
2/14/2023		<0.02
7/25/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.02	
5/11/2016	0.00467 (J)	
7/19/2016	<0.02 (*)	
9/15/2016	0.0044 (J)	
11/2/2016	0.0043 (J)	
1/18/2017	<0.02 (*)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0029 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/15/2019	0.0023 (J)	
9/9/2019	0.0047 (J)	
3/9/2020	0.0035 (J)	
9/10/2020	<0.02	
3/12/2021	0.0065 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/10/2022		<0.02
2/13/2023		<0.02
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
8/23/2007	0.066	
11/2/2007	0.055	
11/18/2007	0.13	
1/31/2008	0.13	
3/11/2008	0.07	
5/14/2008	0.12	
12/5/2008	0.088	
4/15/2009	0.068	
10/8/2009	0.075	
4/28/2010	0.071	
10/6/2010	0.074	
4/21/2011	0.047	
10/13/2011	0.073	
5/1/2012	0.0652	
10/9/2012	0.061	
4/11/2013	0.053	
10/16/2013	0.047	
4/23/2014	0.041	
10/4/2014	0.044 (V)	
3/31/2015	0.12	
10/12/2015	0.053	
3/23/2016	0.0532	
7/29/2016	0.0446	
3/30/2017	0.0479	
10/4/2017	0.0429	
3/19/2018	<0.02	
9/17/2018	0.04	
3/20/2019	0.028	
9/13/2019	0.036	
3/11/2020	0.031	
3/29/2021	<0.02	
8/9/2021	<0.02	
2/2/2022		<0.02
8/16/2022		<0.02
2/17/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.02	
5/11/2016	<0.02	
7/21/2016	<0.02 (*)	
9/15/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/24/2017	<0.02 (*)	
9/26/2017	0.0019 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	<0.02	
9/9/2019	0.0058 (J)	
3/9/2020	0.002 (J)	
9/11/2020	<0.02	
3/10/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/12/2022		<0.02
2/13/2023		<0.02
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.02	
5/12/2016	<0.02	
7/20/2016	<0.02	
9/15/2016	0.0027 (J)	
11/3/2016	<0.02	
1/18/2017	<0.02 (*)	
3/24/2017	<0.02 (*)	
9/25/2017	<0.02	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	<0.02	
9/10/2019	0.00745 (JD)	
3/6/2020	0.0027 (J)	
9/10/2020	<0.02	
3/11/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/13/2023		<0.02
7/25/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.00286 (J)	
5/13/2016	<0.02	
7/21/2016	<0.02 (*)	
9/21/2016	<0.02	
11/3/2016	<0.02	
1/17/2017	<0.02	
3/27/2017	<0.02 (*)	
9/25/2017	0.0023 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	0.0021 (J)	
9/10/2019	0.0075 (J)	
3/9/2020	0.0024 (J)	
9/10/2020	<0.02	
3/10/2021	<0.02	
8/4/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/13/2023		<0.02
7/25/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.00862 (J)	
5/16/2016	0.00744 (J)	
7/22/2016	<0.02 (*)	
9/19/2016	0.0162	
11/3/2016	0.011	
1/17/2017	0.0104	
3/27/2017	<0.02 (*)	
9/26/2017	0.0094 (J)	
3/14/2018	<0.02	
9/14/2018	<0.02	
3/14/2019	0.01	
9/10/2019	0.014	
3/6/2020	0.012	
9/10/2020	0.0073 (J)	
3/11/2021	0.0089 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/10/2022		0.0089 (J)
2/13/2023		0.011 (J)
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0093 (J)	
5/13/2016	0.00336 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	0.0023 (J)	
11/2/2016	0.0047 (J)	
1/18/2017	<0.02	
3/28/2017	<0.02 (*)	
9/22/2017	0.0013 (J)	
3/14/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	0.0022 (J)	
9/11/2019	0.0065 (J)	
3/9/2020	0.002 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
1/31/2022		<0.02
8/11/2022		<0.02
2/14/2023		<0.02
7/25/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.00722 (J)	
5/13/2016	0.00666 (J)	
7/19/2016	<0.02 (*)	
9/16/2016	<0.02	
11/2/2016	0.0057 (J)	
1/18/2017	0.0022 (J)	
3/28/2017	<0.02	
9/22/2017	0.0014 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/13/2019	0.0023 (J)	
9/11/2019	0.0053 (J)	
3/9/2020	0.0022 (J)	
9/14/2020	<0.02	
3/11/2021	<0.02	
8/5/2021	<0.02	
1/31/2022		<0.02
8/10/2022		<0.02
2/13/2023		<0.02
7/25/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
4/7/2017	<0.02	
10/3/2017	<0.02 (D)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/21/2019	0.0034 (JD)	
9/12/2019	0.0072 (JD)	
3/12/2020	0.0027 (J)	
9/17/2020	0.0047 (J)	
3/16/2021	<0.02	
8/10/2021	<0.02	
2/3/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02
7/28/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
12/12/2008	0.048 (O)	
4/23/2009	0.0075	
10/6/2009	0.0075	
4/27/2010	0.0051	
9/30/2010	0.0089	
4/14/2011	0.0043	
10/5/2011	0.0051	
4/11/2012	<0.02	
10/2/2012	0.006	
4/9/2013	0.0034	
10/15/2013	0.0042	
4/10/2014	0.0035	
10/1/2014	0.0019 (J)	
3/30/2015	0.0032	
10/11/2015	0.0048	
3/28/2016	0.00282 (J)	
8/1/2016	<0.02	
4/7/2017	<0.02	
10/2/2017	0.0015 (J)	
3/16/2018	<0.02	
9/17/2018	<0.02	
3/19/2019	<0.02	
9/13/2019	0.0061 (J)	
3/11/2020	0.0025 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/1/2022		<0.02
8/16/2022		<0.02
2/16/2023		<0.02
7/28/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
12/12/2008	0.013 (J)	
4/23/2009	0.075 (O)	
10/6/2009	0.056 (O)	
5/3/2010	0.051 (O)	
10/11/2010	0.016	
4/27/2011	0.025 (O)	
10/19/2011	0.0078	
5/1/2012	0.0134	
10/2/2012	0.012	
4/10/2013	0.018	
10/16/2013	0.015	
4/22/2014	0.015	
10/1/2014	0.0038	
3/30/2015	0.0097	
10/11/2015	0.0024 (J)	
3/28/2016	0.00703 (J)	
8/1/2016	<0.02	
4/3/2017	<0.02	
10/2/2017	0.0016 (J)	
3/16/2018	<0.02	
9/18/2018	<0.02	
3/19/2019	<0.02	
9/12/2019	0.0058 (J)	
3/11/2020	0.0033 (J)	
9/15/2020	<0.02	
3/17/2021	<0.02	
8/9/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/16/2023		<0.02
7/28/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
8/21/2007	0.031	
11/1/2007	0.0041	
11/20/2007	0.056	
1/30/2008	0.032	
3/6/2008	0.03	
5/12/2008	0.008	
12/13/2008	0.056	
4/29/2009	0.057	
10/20/2009	0.0037	
4/26/2010	<0.02	
9/29/2010	0.012	
4/13/2011	<0.02	
10/5/2011	0.0031	
4/4/2012	<0.02	
10/3/2012	0.0085	
4/3/2013	0.0061	
10/15/2013	0.008	
4/9/2014	0.0048	
10/2/2014	0.0023 (JV)	
4/2/2015	0.0023 (J)	
10/10/2015	0.0024 (J)	
3/31/2016	<0.02	
8/5/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0012 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0052 (J)	
3/12/2020	0.0024 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/4/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02
7/31/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
8/21/2007	0.0066	
11/1/2007	0.0086	
11/20/2007	0.005	
1/30/2008	0.0084	
3/6/2008	0.0073	
5/8/2008	0.0084	
12/14/2008	0.0075 (J)	
4/29/2009	0.0028	
10/21/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.005	
4/12/2011	<0.02	
10/4/2011	0.0088	
4/3/2012	<0.02	
10/8/2012	0.0034	
4/3/2013	<0.02	
10/15/2013	0.0027	
4/9/2014	0.0025 (J)	
10/2/2014	0.0027 (V)	
4/2/2015	0.002 (J)	
10/12/2015	<0.02	
3/31/2016	0.00266 (J)	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0048 (J)	
3/12/2020	0.0027 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02
7/31/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/5/2008	<0.02	
5/7/2008	0.015	
12/14/2008	0.0086 (J)	
4/29/2009	0.0037	
10/22/2009	<0.02	
4/21/2010	<0.02	
9/28/2010	0.0042	
4/12/2011	<0.02	
10/4/2011	0.012	
4/3/2012	<0.02	
10/3/2012	<0.02	
4/3/2013	<0.02	
10/9/2013	<0.02	
4/2/2014	0.0063	
10/2/2014	0.0023 (J)	
4/1/2015	0.0017 (J)	
10/11/2015	0.0016 (J)	
4/4/2016	<0.02	
8/3/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/23/2019	<0.02	
9/17/2019	0.0056 (J)	
3/12/2020	0.0038 (J)	
9/21/2020	<0.02	
3/19/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
8/21/2007	<0.02	
11/1/2007	<0.02	
11/18/2007	<0.02	
1/30/2008	<0.02	
3/6/2008	0.0038	
5/7/2008	<0.02	
12/14/2008	0.0031 (J)	
4/29/2009	0.0031	
10/22/2009	0.0029	
4/21/2010	0.0027	
9/29/2010	<0.02	
4/13/2011	<0.02	
10/4/2011	0.003	
4/4/2012	<0.02	
10/3/2012	0.0029	
4/3/2013	0.0035	
10/9/2013	<0.02	
4/2/2014	0.0033	
10/2/2014	0.0027	
4/1/2015	0.013	
10/11/2015	0.017	
4/4/2016	0.00419 (J)	
8/4/2016	<0.02	
4/10/2017	<0.02	
10/4/2017	0.0014 (J)	
3/22/2018	<0.02	
9/18/2018	<0.02	
3/23/2019	<0.02	
9/17/2019	0.0075 (J)	
3/12/2020	0.0053 (J)	
9/21/2020	0.0037 (J)	
3/19/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/20/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	0.036	
11/1/2007	0.0041	
11/19/2007	0.015	
1/16/2008	0.074	
3/5/2008	0.055	
5/13/2008	0.035	
12/13/2008	0.012 (J)	
4/16/2009	0.053	
10/21/2009	0.0063	
4/27/2010	0.045	
10/5/2010	0.0047	
4/19/2011	0.0068	
10/12/2011	0.0048	
4/24/2012	<0.02	
10/2/2012	<0.02	
4/2/2013	0.0081	
10/9/2013	0.0032	
4/1/2014	0.0025 (J)	
10/2/2014	0.0023 (J)	
4/1/2015	0.0035	
10/14/2015	0.0066	
4/4/2016	0.00858 (J)	
8/3/2016	<0.02	
4/11/2017	<0.02	
10/4/2017	0.0104	
3/22/2018	0.014	
9/18/2018	0.013	
3/23/2019	0.012	
9/17/2019	0.018 (D)	
3/12/2020	0.015	
9/21/2020	0.0065 (J)	
3/19/2021	0.0076 (J)	
8/11/2021	0.011 (J)	
2/2/2022		0.019 (J)
8/18/2022		0.014 (J)
2/21/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
8/21/2007	0.0064	
11/1/2007	<0.02	
11/19/2007	0.015	
1/31/2008	0.032 (O)	
3/5/2008	0.0061	
5/12/2008	0.012	
12/13/2008	0.087 (O)	
4/28/2009	0.067 (O)	
10/21/2009	0.025 (O)	
4/28/2010	0.014	
10/5/2010	0.012	
4/19/2011	0.012	
10/18/2011	0.025	
4/25/2012	0.014	
10/2/2012	0.0089	
4/2/2013	0.0082	
10/8/2013	0.015	
4/1/2014	0.0074	
10/1/2014	0.00077 (J)	
4/1/2015	0.0082	
10/15/2015	0.0082	
4/4/2016	0.00818 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/9/2017	<0.02	
3/21/2018	<0.02	
9/19/2018	<0.02	
3/23/2019	0.021	
9/18/2019	0.007 (J)	
3/13/2020	0.0043 (J)	
9/22/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/17/2022		<0.02
8/18/2022		<0.02
2/22/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
8/21/2007	<0.02	
11/1/2007	0.0038	
11/19/2007	0.0055	
1/31/2008	0.0063	
3/5/2008	0.0037	
5/7/2008	0.0033	
12/12/2008	0.097 (O)	
4/29/2009	0.068 (O)	
10/21/2009	0.011	
4/28/2010	0.048 (O)	
10/6/2010	0.003	
4/20/2011	0.0038	
10/12/2011	0.0027	
4/25/2012	<0.02	
10/2/2012	0.0059	
4/2/2013	0.008	
10/8/2013	0.0062	
4/1/2014	0.0067	
10/1/2014	0.0024 (J)	
3/31/2015	0.0046	
10/14/2015	0.002 (J)	
4/4/2016	<0.02	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/20/2018	<0.02	
3/22/2019	0.0048 (J)	
9/18/2019	0.0091 (X)	
3/17/2020	0.0057 (J)	
9/22/2020	<0.02	
3/19/2021	<0.02	
8/12/2021	<0.02	
2/4/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02
8/2/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
8/24/2007	0.0036 (J)	
11/2/2007	0.0026 (J)	
11/17/2007	0.024 (O)	
1/15/2008	0.0074	
3/5/2008	0.075 (O)	
5/7/2008	0.0088	
12/2/2008	0.11 (O)	
4/16/2009	0.091 (O)	
10/20/2009	0.056 (O)	
4/20/2010	0.014	
9/29/2010	0.015	
4/12/2011	0.0028	
10/4/2011	0.0025	
4/4/2012	0.0105	
10/10/2012	0.0033	
4/15/2013	0.0031	
10/22/2013	<0.02	
4/21/2014	0.0032	
9/30/2014	0.0015 (J)	
4/3/2015	0.0015 (J)	
10/7/2015	<0.02	
4/5/2016	<0.02	
8/9/2016	0.0016 (J)	
4/11/2017	<0.02	
10/5/2017	0.0024 (J)	
3/22/2018	<0.02	
9/19/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0057 (X)	
3/13/2020	0.0028 (J)	
9/21/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/18/2022		<0.02
2/22/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
8/23/2007	0.0038	
11/2/2007	0.0025	
11/17/2007	0.023 (O)	
1/15/2008	0.012	
3/6/2008	0.0069	
5/7/2008	0.007	
12/2/2008	0.021 (O)	
4/28/2009	0.0055	
10/19/2009	0.0051	
4/27/2010	0.0068	
10/4/2010	0.0074	
4/18/2011	0.0031	
10/12/2011	0.0067	
4/23/2012	<0.02	
10/10/2012	0.0046	
4/15/2013	0.006	
10/22/2013	0.0037	
4/21/2014	0.0073	
9/30/2014	0.0027	
4/3/2015	0.0017 (J)	
10/7/2015	0.0042	
4/5/2016	0.00573 (J)	
8/4/2016	<0.02	
4/12/2017	<0.02	
10/6/2017	0.0024 (J)	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/25/2019	0.0039 (J)	
9/17/2019	0.0066 (J)	
3/13/2020	0.0057 (J)	
9/21/2020	0.0036 (J)	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/4/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02
8/2/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
8/24/2007	0.052 (O)	
11/2/2007	0.01 (J)	
11/18/2007	0.025 (J)	
1/15/2008	0.055 (O)	
3/10/2008	0.018	
5/13/2008	0.0044	
12/2/2008	0.065 (O)	
4/28/2009	0.0037 (J)	
10/20/2009	0.0043	
4/27/2010	<0.02	
10/5/2010	0.0028	
4/19/2011	<0.02	
10/12/2011	<0.02	
4/25/2012	<0.02	
10/10/2012	<0.02	
4/16/2013	0.005	
10/22/2013	0.0028	
4/21/2014	0.0028	
9/30/2014	0.0018 (J)	
4/3/2015	0.0021 (J)	
10/6/2015	<0.02	
4/5/2016	0.00288 (J)	
4/11/2017	<0.02	
10/6/2017	<0.02	
3/23/2018	<0.02	
9/19/2018	<0.02	
3/22/2019	<0.02	
9/17/2019	0.0048 (X)	
3/13/2020	0.0026 (J)	
9/21/2020	<0.02	
3/18/2021	<0.02	
8/11/2021	<0.02	
2/7/2022		<0.02
8/19/2022		<0.02
2/22/2023		<0.02
8/1/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.00424 (J)	
5/16/2016	0.00345 (J)	
7/25/2016	<0.02 (*)	
9/19/2016	0.004 (J)	
11/3/2016	0.0047 (J)	
1/19/2017	0.0035 (J)	
3/28/2017	<0.02 (*)	
9/26/2017	0.0039 (J)	
3/15/2018	<0.02	
9/12/2018	<0.02	
3/14/2019	0.0039 (J)	
9/11/2019	0.0068 (J)	
3/10/2020	0.0049 (J)	
9/15/2020	0.0062 (J)	
3/11/2021	0.004 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.00244 (J)	
5/16/2016	<0.02 (D)	
7/25/2016	0.006 (J*D)	
9/19/2016	0.0061 (JD)	
11/4/2016	0.0032 (JD)	
1/23/2017	0.0031 (JD)	
3/29/2017	0.00615 (*JD)	
9/27/2017	0.0048 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019	<0.02 (D)	
9/11/2019	0.0065 (JD)	
3/10/2020	0.0031 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
2/1/2022		<0.02
8/12/2022		<0.02
2/14/2023		<0.02
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.00697 (J)	
5/16/2016	0.00452 (JD)	
7/25/2016	0.0065 (*JD)	
9/19/2016	0.0034 (JD)	
11/3/2016	0.0039 (JD)	
1/20/2017	0.0023 (JD)	
3/29/2017	0.00705 (*JD)	
9/27/2017	0.0036 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/14/2019	0.0022 (JD)	
9/11/2019	0.0058 (JD)	
3/10/2020	0.0035 (J)	
9/11/2020	<0.02	
3/11/2021	<0.02	
8/6/2021	<0.02	
2/1/2022		<0.02
8/12/2022		<0.02
2/14/2023		<0.02
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.00337 (J)	
5/17/2016	0.00268 (J)	
7/26/2016	<0.02 (*)	
9/20/2016	0.0058 (J)	
11/4/2016	0.0029 (J)	
1/20/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0016 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019	<0.02	
9/11/2019	0.0055 (J)	
3/10/2020	0.0029 (J)	
9/14/2020	<0.02	
3/11/2021	<0.02	
8/5/2021	<0.02	
1/31/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02
7/26/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.027	
5/18/2016	0.0277	
7/27/2016	0.0221	
9/20/2016	0.03	
11/7/2016	0.0202	
1/23/2017	0.0156	
3/29/2017	<0.036 (*)	
9/27/2017	0.0196	
12/28/2017	0.0315 (Y)	
3/15/2018	<0.036	
9/13/2018	0.031	
3/15/2019	0.051	
9/12/2019	0.035	
3/9/2020	0.044	
9/14/2020	0.032	
3/11/2021	0.047	
8/5/2021	0.037	
2/1/2022		0.038
8/15/2022		0.027 (J)
2/14/2023		0.05
7/27/2023		0.049

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0154	
5/18/2016	0.0136	
7/27/2016	0.0153	
9/20/2016	0.0173	
11/4/2016	0.0149	
1/20/2017	0.0134	
3/29/2017	<0.01 (*)	
9/27/2017	0.0111	
3/16/2018	0.012	
9/13/2018	<0.01	
3/19/2019	0.016	
9/11/2019	0.028	
3/9/2020	0.032	
9/15/2020	0.028	
3/11/2021	0.028	
8/5/2021	0.024	
2/1/2022		0.029
8/15/2022		0.04
2/14/2023		0.031
7/27/2023		0.024

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.00618 (J)	
5/17/2016	0.00672 (J)	
7/27/2016	<0.02 (*)	
9/20/2016	0.0081 (J)	
11/4/2016	0.0071 (J)	
1/23/2017	<0.02	
3/28/2017	<0.02 (*)	
9/29/2017	0.0055 (J)	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/15/2019	0.0058 (J)	
9/11/2019	0.011 (D)	
3/9/2020	0.0079 (J)	
9/14/2020	0.0076 (J)	
3/11/2021	0.0088 (J)	
8/4/2021	<0.02	
1/31/2022		<0.02
8/15/2022		0.0094 (J)
2/14/2023		0.011 (J)
7/26/2023		0.012 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.02	
5/18/2016	<0.02	
7/27/2016	<0.02 (*)	
9/21/2016	<0.02	
11/4/2016	<0.02	
1/24/2017	<0.02	
3/29/2017	<0.02 (*)	
9/29/2017	<0.02	
3/15/2018	<0.02	
9/13/2018	<0.02	
3/18/2019	<0.02	
9/11/2019	0.005 (J)	
3/11/2020	0.0036 (J)	
9/11/2020	<0.02	
3/15/2021	<0.02	
8/11/2021	<0.02	
2/1/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02
7/27/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.02	
5/18/2016	0.00208 (J)	
7/28/2016	<0.02 (*)	
9/21/2016	0.0079 (J)	
11/7/2016	<0.02 (*)	
1/24/2017	0.0053 (J)	
3/30/2017	<0.02 (*)	
9/29/2017	0.004 (J)	
3/15/2018	<0.02	
9/14/2018	<0.02	
3/19/2019	0.0034 (J)	
9/11/2019	0.0085 (J)	
3/9/2020	0.0047 (J)	
9/14/2020	0.0042 (J)	
3/15/2021	<0.02	
8/5/2021	<0.02	
2/1/2022		<0.02
8/15/2022		<0.02
2/14/2023		<0.02
7/27/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
8/23/2007	0.016	
10/25/2007	0.061	
11/19/2007	0.053	
1/23/2008	0.14	
3/11/2008	0.13	
5/12/2008	0.11	
12/11/2008	0.04 (J)	
4/15/2009	0.11	
10/9/2009	0.15	
5/4/2010	0.077	
10/12/2010	0.077	
4/28/2011	0.032	
10/19/2011	0.11	
5/2/2012	0.138	
10/9/2012	0.097	
4/11/2013	0.047	
10/16/2013	0.098	
4/23/2014	0.066	
10/3/2014	0.13 (V)	
3/31/2015	0.05	
10/12/2015	0.048	
3/28/2016	0.0534	
8/1/2016	0.055	
4/3/2017	0.0436	
10/3/2017	0.0393	
3/19/2018	<0.034	
9/17/2018	0.03	
3/20/2019	0.032	
9/16/2019	0.035	
3/16/2020	0.047	
9/16/2020	0.033	
3/17/2021	0.027	
8/9/2021	0.036	
2/2/2022		0.034
8/16/2022		0.03
2/20/2023		0.032
7/28/2023		0.027

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
8/22/2007	0.04 (O)	
10/25/2007	0.0062	
11/20/2007	0.03 (O)	
1/23/2008	0.048 (O)	
3/11/2008	0.016	
5/14/2008	0.02	
12/11/2008	0.021	
4/23/2009	0.0058 (J)	
10/9/2009	0.055 (O)	
5/4/2010	0.045 (O)	
10/11/2010	0.015	
4/26/2011	0.0067	
10/18/2011	0.0055	
5/2/2012	<0.02	
10/8/2012	0.0043	
4/10/2013	0.0067	
10/8/2013	0.0091	
4/14/2014	0.0063	
10/3/2014	0.0065 (V)	
4/1/2015	0.0059	
10/9/2015	<0.02	
3/29/2016	<0.02	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/19/2018	<0.02	
9/17/2018	<0.02	
3/21/2019	<0.02	
9/16/2019	0.0058 (J)	
3/12/2020	0.0042 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02
7/31/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
5/26/2015	0.0035	
6/18/2015	0.0025 (D)	
7/2/2015	0.0018 (J)	
10/9/2015	0.0019 (J)	
3/29/2016	0.00345 (J)	
8/1/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0014 (J)	
3/20/2018	<0.02	
9/17/2018	<0.02	
3/21/2019	<0.02	
9/16/2019	0.0057 (J)	
3/12/2020	0.0032 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/17/2023		<0.02
7/28/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
8/2/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	<0.02	
3/20/2018	<0.02	
9/18/2018	<0.02	
3/21/2019	<0.02	
9/13/2019	0.0053 (J)	
3/12/2020	0.0031 (J)	
9/16/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02
7/31/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
10/18/2011	0.0032	
4/30/2012	<0.02	
10/3/2012	0.0034	
4/8/2013	0.0039	
10/9/2013	0.0078	
4/10/2014	0.0064	
10/2/2014	0.0009 (JV)	
4/3/2015	<0.02	
10/8/2015	0.013	
3/30/2016	0.00323 (J)	
8/2/2016	<0.02	
4/6/2017	<0.02	
10/4/2017	<0.02	
3/21/2018	<0.02	
9/18/2018	<0.02	
3/27/2019	<0.02	
9/16/2019	0.00525 (JD)	
3/12/2020	0.002 (J)	
9/17/2020	<0.02	
3/17/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/21/2023		<0.02
7/31/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
5/26/2015	0.0017 (J)	
6/18/2015	0.0052 (D)	
7/2/2015	0.0027	
10/8/2015	<0.02	
3/22/2016	0.00459 (J)	
8/2/2016	<0.02	
4/7/2017	<0.02	
10/3/2017	0.0022 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02	
5/6/2019	0.0024 (J)	
9/16/2019	0.0065 (J)	
3/16/2020	0.0073 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/20/2023		<0.02
7/31/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 11:43 AM View: Appendix I Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
8/23/2007	0.011	
11/1/2007	0.012	
11/19/2007	0.026 (J)	
1/15/2008	0.075 (O)	
3/6/2008	0.051 (O)	
5/13/2008	0.0084	
12/12/2008	0.077 (O)	
4/16/2009	0.064 (O)	
10/13/2009	0.013	
4/21/2010	0.0035	
9/29/2010	0.0085	
4/13/2011	0.0028	
10/5/2011	0.0038	
4/4/2012	0.0126	
10/8/2012	0.0043	
4/8/2013	0.0068	
10/9/2013	0.0082	
4/9/2014	0.0043	
9/30/2014	0.0029	
4/2/2015	0.0056	
10/10/2015	0.0065 (D)	
3/30/2016	0.00487 (J)	
8/5/2016	<0.02	
4/6/2017	<0.02	
10/3/2017	0.0023 (J)	
3/20/2018	<0.02	
9/18/2018	<0.02 (D)	
3/21/2019	0.0024 (J)	
9/16/2019	0.0062 (J)	
3/12/2020	0.0045 (J)	
9/17/2020	<0.02	
3/18/2021	<0.02	
8/10/2021	<0.02	
2/2/2022		<0.02
8/17/2022		<0.02
2/21/2023		<0.02
7/31/2023		<0.02

FIGURE E.

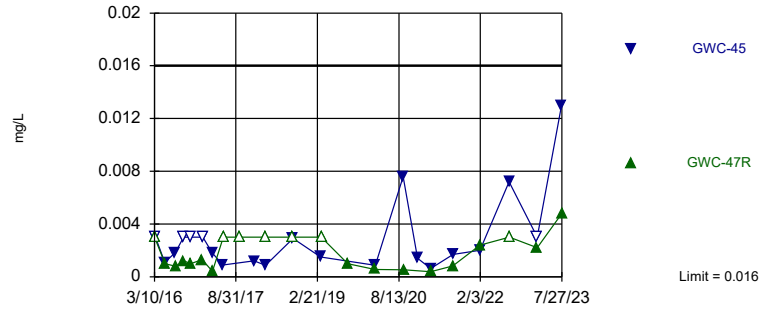
Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-45	0.016	n/a	7/26/2023	0.013	No	424	n/a	n/a	70.05	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Antimony (mg/L)	GWC-47R	0.016	n/a	7/27/2023	0.0048	No	424	n/a	n/a	70.05	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWC-45	0.063	n/a	7/26/2023	0.007	No	409	n/a	n/a	0.7335	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-48	0.063	n/a	7/26/2023	0.048	No	409	n/a	n/a	0.7335	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-48	0.053	n/a	7/26/2023	0.0075	No	371	n/a	n/a	55.26	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

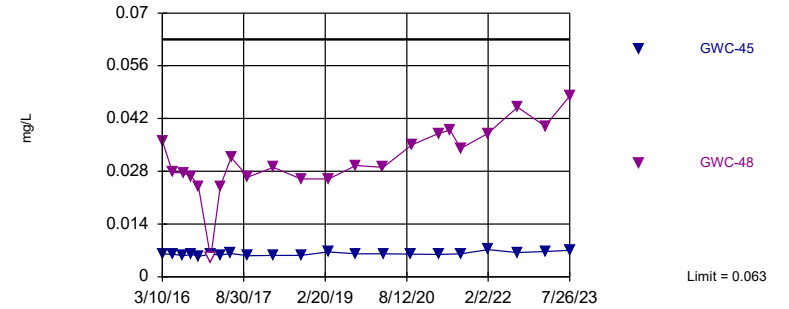


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 424 background values. 70.05% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 2 points to limit. Assumes 24 future values.

Constituent: Antimony Analysis Run 9/11/2023 11:53 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric

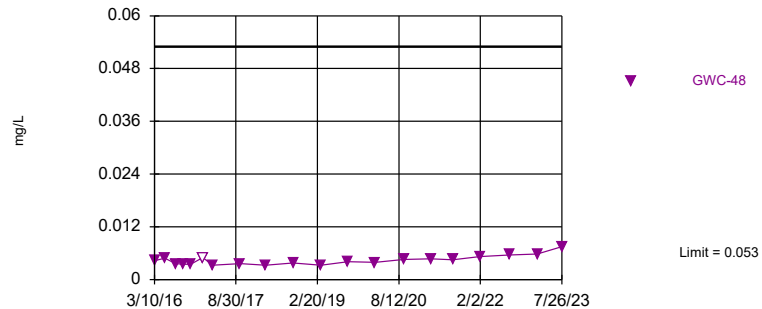


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 409 background values. 0.7335% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 2 points to limit. Assumes 24 future values.

Constituent: Barium Analysis Run 9/11/2023 11:53 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 371 background values. 55.26% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Nickel Analysis Run 9/11/2023 11:53 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-47R	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.003	<0.003	<0.003	<0.003					
10/23/2007	<0.003								
10/24/2007		<0.003		<0.003					
11/2/2007			<0.003						
11/18/2007	<0.003	<0.003	<0.003	<0.003					
1/30/2008	<0.003								
1/31/2008		<0.003	<0.003	<0.003					
3/10/2008	<0.003	<0.003							
3/11/2008			<0.003	<0.003					
5/6/2008				<0.003					
5/13/2008	<0.003	<0.003							
5/14/2008			<0.003						
12/4/2008		<0.003		<0.003					
12/5/2008	<0.003		<0.003						
12/12/2008					<0.003	<0.003			
4/15/2009	<0.003		<0.003						
4/21/2009		<0.003		<0.003					
4/23/2009					<0.003	<0.003			
10/6/2009					<0.003	<0.003			
10/7/2009	<0.003			<0.003					
10/8/2009		<0.003	<0.003						
4/21/2010		<0.003							
4/26/2010				<0.003					
4/27/2010					<0.003				
4/28/2010			<0.003						
5/3/2010	<0.003							<0.003	
9/28/2010		<0.003							
9/30/2010					<0.003				
10/4/2010				<0.003					
10/6/2010			<0.003						
10/11/2010								<0.003	
10/12/2010	<0.003								
4/12/2011		<0.003							
4/13/2011				<0.003					
4/14/2011					<0.003				
4/21/2011			<0.003						
4/27/2011	<0.003							<0.003	
10/4/2011		<0.003							
10/5/2011				<0.003	<0.003				
10/13/2011			<0.003						
10/17/2011	0.0054								
10/19/2011								<0.003	
4/3/2012		0.0053							
4/11/2012				<0.003	<0.003				
5/1/2012			<0.003					<0.003	
5/2/2012	<0.003								
10/2/2012					<0.003	<0.003			
10/8/2012	<0.003								
10/9/2012		<0.003	<0.003	<0.003					
4/9/2013					<0.003				
4/10/2013								<0.003	
4/11/2013		0.0075	<0.003						

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-47R	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	0.0058								
4/15/2013				<0.003					
10/15/2013				<0.003	<0.003				
10/16/2013	0.01	<0.003	<0.003			<0.003			
4/10/2014		0.0081			<0.003				
4/11/2014	0.005 (J)								
4/22/2014				<0.003		<0.003			
4/23/2014			<0.003						
9/30/2014	0.0068	0.0022 (J)		<0.003					
10/1/2014					<0.003	<0.003			
10/4/2014			0.0031 (J)						
3/30/2015	0.0074	0.011		<0.003	<0.003	<0.003			
3/31/2015			0.0068						
10/11/2015					<0.003	<0.003			
10/12/2015			<0.003						
10/13/2015	0.017 (O)	0.0045 (J)		<0.003					
3/10/2016							<0.003		
3/11/2016								<0.003	<0.003
3/14/2016									
3/15/2016									
3/16/2016									
3/22/2016	0.00567								
3/23/2016		0.00281 (J)	0.0035	<0.003					
3/28/2016					0.00139 (J)	<0.003			
5/11/2016									
5/12/2016									
5/13/2016								<0.003	<0.003
5/16/2016									
5/18/2016							0.000987 (J)		
5/19/2016	0.00319	0.00264 (J)							
5/20/2016				<0.003					
5/23/2016			<0.003		0.000677 (J)				
5/25/2016						<0.003			
7/19/2016								<0.003	<0.003 (*)
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/27/2016							0.0008 (J)		
7/29/2016	0.0025 (J)	0.0069	0.0029 (J)	<0.003					
8/1/2016					<0.003	<0.003			
9/15/2016									
9/16/2016								<0.003	<0.003
9/19/2016									
9/20/2016							0.0012 (J)		
9/21/2016									
9/22/2016		0.0066	0.0041						
9/23/2016	0.0051			<0.003					
9/26/2016					<0.003	<0.003			
11/2/2016								<0.003	<0.003
11/3/2016									
11/4/2016							0.001 (J)		

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-47R	GWA-43R (bg)	GWA-43 (bg)
11/9/2016	0.0097 (J)			<0.003					
11/10/2016		<0.003	0.0048 (J)		<0.003				
11/11/2016						<0.003			
1/17/2017									
1/18/2017								0.0013 (J)	<0.003
1/20/2017							0.0013 (J)		
1/23/2017									
1/30/2017	0.0032				<0.003	<0.003			
1/31/2017		0.0064	<0.003	<0.003					
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017								<0.003	<0.003
3/29/2017							0.0004 (J)		
3/30/2017	0.0028 (J)		0.001 (J)	<0.003					
4/3/2017		0.0049				<0.003			
4/7/2017					<0.003				
5/24/2017									
6/6/2017								0.0007 (J)	<0.003
6/7/2017									
6/8/2017							<0.003 (*)		
6/9/2017	<0.003	<0.003							
6/12/2017			<0.003	<0.003	<0.003	<0.003			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								0.0012 (J)	<0.003
9/25/2017									
9/26/2017									
9/27/2017							<0.003		
9/29/2017									
10/2/2017	0.0014 (J)	0.0045		<0.003	<0.003	<0.003			
10/3/2017									
10/4/2017			0.0009 (J)						
12/29/2017									
3/14/2018									<0.003
3/15/2018								<0.003	
3/16/2018	0.0014 (J)	0.021 (O)			<0.003	<0.003	<0.003		
3/19/2018			0.0019 (J)	<0.003					
3/21/2018									
9/12/2018								<0.003	<0.003
9/13/2018							<0.003		
9/14/2018		0.0054		<0.003					
9/17/2018	0.00105 (JD)		0.0011 (J)		<0.003				
9/18/2018						<0.003			
3/13/2019								<0.003	<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-47R	GWA-43R (bg)	GWA-43 (bg)
3/14/2019									
3/15/2019									
3/19/2019		0.0019 (J)			<0.003	<0.003	<0.003		
3/20/2019	<0.003		0.0019 (J)	<0.003					
3/21/2019									
9/9/2019									
9/10/2019									
9/11/2019							0.00099 (J)	0.00029 (J)	<0.003
9/12/2019	0.0037			<0.003 (D)		<0.003			
9/13/2019		0.0044	0.0013 (J)		<0.003				
3/6/2020									
3/9/2020							0.00056 (J)	0.00037 (J)	0.00062 (J)
3/10/2020									
3/11/2020	0.00079 (J)	0.002 (J)	0.0045	<0.003	0.0005 (J)	<0.003			
3/12/2020									
9/10/2020									
9/11/2020									<0.003
9/14/2020								<0.003	
9/15/2020	0.0061	0.0037		<0.003		0.00048 (J)	0.00053 (J)		
9/16/2020					<0.003				
9/17/2020									
12/15/2020									
3/10/2021									
3/11/2021							0.00038 (J)	0.00074 (J)	<0.003
3/12/2021									
3/16/2021	0.0014 (J)	0.005							
3/17/2021				<0.003	<0.003	<0.003			
3/29/2021			<0.003						
8/4/2021									
8/5/2021							0.00082 (J)	<0.003	
8/6/2021									<0.003
8/9/2021	0.0027 (J)	0.0033	<0.003	<0.003	<0.003	<0.003			
8/10/2021									
1/31/2022								<0.003	<0.003
2/1/2022	0.0028 (J)	0.0029 (J)		<0.003	0.0015 (J)		0.0024 (J)		
2/2/2022			<0.003			<0.003			
2/3/2022									
8/10/2022								<0.003	
8/11/2022									<0.003
8/12/2022									
8/15/2022							<0.003		
8/16/2022	0.0084	0.002 (J)	<0.003	<0.003	<0.003				
8/17/2022						<0.003			
2/13/2023								<0.003	
2/14/2023							0.0022 (J)		<0.003
2/16/2023	0.016	0.0048		<0.003	<0.003	<0.003			
2/17/2023			<0.003						
7/25/2023								<0.003	<0.003
7/26/2023									
7/27/2023	0.011	0.0095		<0.003			0.0048		
7/28/2023					<0.003	<0.003			
8/1/2023			<0.003						

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45	GWA-39RZ (bg)	GWA-4RZ (bg)
8/23/2007							
10/23/2007							
10/24/2007							
11/2/2007							
11/18/2007							
1/30/2008							
1/31/2008							
3/10/2008							
3/11/2008							
5/6/2008							
5/13/2008							
5/14/2008							
12/4/2008							
12/5/2008							
12/12/2008							
4/15/2009							
4/21/2009							
4/23/2009							
10/6/2009							
10/7/2009							
10/8/2009							
4/21/2010							
4/26/2010							
4/27/2010							
4/28/2010							
5/3/2010							
9/28/2010							
9/30/2010							
10/4/2010							
10/6/2010							
10/11/2010							
10/12/2010							
4/12/2011							
4/13/2011							
4/14/2011							
4/21/2011							
4/27/2011							
10/4/2011							
10/5/2011							
10/13/2011							
10/17/2011							
10/19/2011							
4/3/2012							
4/11/2012							
5/1/2012							
5/2/2012							
10/2/2012							
10/8/2012							
10/9/2012							
4/9/2013							
4/10/2013							
4/11/2013							

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013								
4/15/2013								
10/15/2013								
10/16/2013								
4/10/2014								
4/11/2014								
4/22/2014								
4/23/2014								
9/30/2014								
10/1/2014								
10/4/2014								
3/30/2015								
3/31/2015								
10/11/2015								
10/12/2015								
10/13/2015								
3/10/2016								
3/11/2016	<0.003							
3/14/2016		<0.003						
3/15/2016			<0.003	<0.003	<0.003			
3/16/2016						<0.003		
3/22/2016								
3/23/2016								
3/28/2016								
5/11/2016		0.000839 (J)	<0.003					
5/12/2016				<0.003				
5/13/2016					<0.003			
5/16/2016	<0.003					0.00109 (J)	<0.003 (D)	
5/18/2016								
5/19/2016								
5/20/2016								
5/23/2016								
5/25/2016								
7/19/2016		0.0024 (J)						
7/20/2016				<0.003				
7/21/2016			<0.003		<0.003 (*)			
7/22/2016	0.002 (J)							
7/25/2016						0.00185 (*JD)		
7/27/2016							0.0003 (JD)	
7/29/2016								
8/1/2016								
9/15/2016		0.0009 (J)	<0.003	<0.003				
9/16/2016								
9/19/2016	<0.003					<0.003 (D)		
9/20/2016								
9/21/2016					<0.003			
9/22/2016								
9/23/2016								
9/26/2016								
11/2/2016		0.001 (J)						
11/3/2016	<0.003		0.0021 (J)	<0.003	<0.003			
11/4/2016						<0.003 (D)		

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45	GWA-39RZ (bg)	GWA-4RZ (bg)
11/9/2016								
11/10/2016								
11/11/2016								
1/17/2017	<0.003		<0.003		<0.003			
1/18/2017		0.0017 (J)		<0.003				
1/20/2017								
1/23/2017						<0.003 (D)		
1/30/2017								
1/31/2017								
2/21/2017							0.0057	
2/22/2017								0.0018 (J)
3/24/2017			<0.003	<0.003				
3/27/2017	<0.003				0.0008 (J)		0.0013 (JD)	
3/28/2017		0.0006 (J)						
3/29/2017						0.0018 (JD)		
3/30/2017								
4/3/2017								
4/7/2017								0.0008 (J)
5/24/2017			<0.003					
6/6/2017				<0.003	<0.003			
6/7/2017	<0.003	0.0003 (J)				0.0009 (J)		
6/8/2017							<0.003 (*)	
6/9/2017								
6/12/2017								
6/14/2017								0.00205 (JD)
7/12/2017								0.0015 (JD)
7/17/2017							0.005 (D)	
7/20/2017								<0.003 (D)
7/27/2017							0.0033	
7/28/2017								<0.003
8/9/2017							0.0012 (J)	<0.003
8/24/2017								0.0007 (J)
9/22/2017								
9/25/2017				<0.003	0.0035			
9/26/2017	<0.003	<0.003	<0.003					
9/27/2017						0.0111 (O)		
9/29/2017							0.0013 (JD)	
10/2/2017								
10/3/2017								<0.003 (D)
10/4/2017								
12/29/2017						0.0012 (Y)		
3/14/2018	<0.003	<0.003	<0.003	<0.003	<0.003			
3/15/2018						0.00086 (J)		
3/16/2018							0.0078	
3/19/2018								
3/21/2018								<0.003
9/12/2018		<0.003	<0.003	<0.003	0.003			
9/13/2018						0.0029 (J)		
9/14/2018	<0.003						0.0056	
9/17/2018								
9/18/2018								<0.003
3/13/2019			<0.003					

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-41R (bg)	GWC-45	GWA-39RZ (bg)	GWA-4RZ (bg)
3/14/2019	<0.003			<0.003	<0.003	0.0015 (JD)	0.014 (O)	
3/15/2019		<0.003						
3/19/2019								
3/20/2019								
3/21/2019								<0.003 (D)
9/9/2019		0.00079 (J)	<0.003					
9/10/2019	<0.003			<0.003 (D)	0.0029 (J)			
9/11/2019						0.014 (O)		
9/12/2019								0.00052 (JD)
9/13/2019								
3/6/2020	<0.003			<0.003				
3/9/2020		0.0011 (J)	<0.003		0.0037		0.0013 (J)	
3/10/2020						0.00087 (J)		
3/11/2020								
3/12/2020								0.0017 (J)
9/10/2020	<0.003	0.0003 (J)		<0.003	0.0019 (J)			
9/11/2020			<0.003			0.0076		
9/14/2020								
9/15/2020								
9/16/2020							0.0028 (J)	
9/17/2020								0.00087 (J)
12/15/2020						0.0014 (J)		
3/10/2021			<0.003		0.00037 (J)			
3/11/2021	<0.003			0.00038 (J)		0.00062 (J)		
3/12/2021		0.0039						
3/16/2021							0.00041 (J)	0.00082 (J)
3/17/2021								
3/29/2021								
8/4/2021	<0.003	0.00083 (J)	<0.003	<0.003	<0.003			
8/5/2021								
8/6/2021						0.0017 (J)	<0.003	
8/9/2021								
8/10/2021								0.0013 (J)
1/31/2022	<0.003	<0.003	0.0014 (J)	<0.003	0.0011 (J)			
2/1/2022						0.002 (J)		
2/2/2022							<0.003	
2/3/2022								<0.003
8/10/2022	<0.003	<0.003						
8/11/2022				<0.003	<0.003			
8/12/2022			<0.003			0.0072		
8/15/2022								
8/16/2022							0.001 (J)	
8/17/2022								<0.003
2/13/2023	<0.003	0.00087 (J)	<0.003	<0.003	0.0045			
2/14/2023						<0.003	0.0019 (J)	
2/16/2023								
2/17/2023								<0.003
7/25/2023				0.0029 (J)	0.0021 (J)		<0.003	
7/26/2023	<0.003	0.0028 (J)	<0.003			0.013		
7/27/2023								
7/28/2023								<0.003
8/1/2023								

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-3A (bg)	GWC-48	GWA-43R (bg)	GWA-42 (bg)
8/23/2007	0.02	0.0073	0.0098			0.015 (O)			
10/23/2007	0.039								
10/24/2007		0.027	0.015						
11/2/2007						0.017 (O)			
11/18/2007	0.04 (J)	0.13 (O)	0.011			0.019 (O)			
1/30/2008	0.04								
1/31/2008		0.0077	0.13 (O)			0.011 (O)			
3/10/2008	0.033		0.0078						
3/11/2008		0.015				0.016 (O)			
5/6/2008		0.017							
5/13/2008	0.03		0.0077						
5/14/2008						0.013 (O)			
12/4/2008		0.14 (O)	0.0089						
12/5/2008	0.0087					0.021 (O)			
12/12/2008				0.016	0.098 (O)				
4/15/2009	0.023					0.012 (O)			
4/21/2009		0.018	0.013						
4/23/2009				0.14 (O)	0.013				
10/6/2009				0.12 (O)	0.011				
10/7/2009	0.15 (O)	0.014							
10/8/2009			0.008			0.011 (O)			
4/21/2010			0.01						
4/26/2010		0.017							
4/27/2010					0.016				
4/28/2010						0.0081			
5/3/2010	0.025			0.12 (O)					
9/28/2010			0.0036						
9/30/2010					0.013				
10/4/2010		0.011							
10/6/2010						0.0083			
10/11/2010				0.019					
10/12/2010	0.029								
4/12/2011			0.0084						
4/13/2011		0.026							
4/14/2011					0.011				
4/21/2011						0.0053			
4/27/2011	0.026			0.02					
10/4/2011			0.0066						
10/5/2011		0.021			0.015				
10/13/2011						0.0071			
10/17/2011	0.021								
10/19/2011				0.014					
4/3/2012			0.0625 (O)						
4/11/2012		0.0311			0.0102				
5/1/2012				0.0199		0.0067			
5/2/2012	0.0212								
10/2/2012				0.015	0.0091				
10/8/2012	0.019								
10/9/2012		0.018	0.01			0.0055			
4/9/2013					0.01				
4/10/2013				0.016					
4/11/2013			0.021			0.0061			

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-3A (bg)	GWC-48	GWA-43R (bg)	GWA-42 (bg)
4/12/2013	0.022								
4/15/2013		0.056							
10/15/2013		0.018			0.0098				
10/16/2013	0.02		0.033	0.017		0.0062			
4/10/2014			0.021		0.011				
4/11/2014	0.018								
4/22/2014		0.035		0.017					
4/23/2014						0.0047			
9/30/2014	0.013	0.0041	0.0062						
10/1/2014				0.013	0.0033				
10/4/2014						0.0055			
3/30/2015	0.021	0.036	0.011	0.014	0.0043				
3/31/2015						0.0076			
10/11/2015				0.0093	0.0038				
10/12/2015						0.0049			
10/13/2015	0.012	0.0048	0.0065						
3/10/2016							0.0361		
3/11/2016								0.00819 (J)	0.00639 (J)
3/14/2016									
3/15/2016									
3/16/2016									
3/22/2016	0.0182								
3/23/2016		0.0271	0.0206			0.00742 (J)			
3/28/2016				0.0155	0.0133				
5/11/2016									
5/12/2016									
5/13/2016								0.00756 (J)	
5/16/2016									0.00622 (J)
5/17/2016							0.0277		
5/19/2016	0.0193		0.0109						
5/20/2016		0.0206							
5/23/2016					0.0109	0.00532 (J)			
5/25/2016				0.0143					
7/19/2016								0.0079 (J)	
7/20/2016									
7/21/2016									
7/22/2016									0.0062 (J)
7/25/2016									
7/27/2016							0.0276		
7/29/2016	0.0174	0.0275	0.007 (J)			0.0053 (J)			
8/1/2016				0.0129	0.0058 (J)				
9/15/2016									
9/16/2016								0.0078 (J)	
9/19/2016									0.0064 (J)
9/20/2016							0.0266		
9/21/2016									
9/22/2016			0.0071 (J)			0.0058 (J)			
9/23/2016	0.0168	0.0384							
9/26/2016				0.0177	0.0092 (J)				
11/2/2016								0.0082 (J)	
11/3/2016									0.0058 (J)
11/4/2016							0.0239		

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-3A (bg)	GWC-48	GWA-43R (bg)	GWA-42 (bg)
11/9/2016	0.0171	0.0266							
11/10/2016			0.0052 (J)		0.0083 (J)	0.0051 (J)			
11/11/2016				0.0117					
1/17/2017									0.0061 (J)
1/18/2017								0.0085 (J)	
1/23/2017							<0.01		
1/30/2017	0.019			0.0113	0.0117				
1/31/2017		0.0094 (J)	0.0076 (J)			0.0054 (J)			
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									0.0063 (J)
3/28/2017							0.024	0.0084 (J)	
3/29/2017									
3/30/2017	0.0184	0.0262				0.0049 (J)			
4/3/2017			0.007 (J)	0.0166					
4/7/2017					0.0109				
5/24/2017									
6/6/2017								0.0078 (J)	
6/7/2017									0.0064 (J)
6/8/2017							0.0317		
6/9/2017	0.0174		0.0074 (J)						
6/12/2017		0.0288		0.017	<0.01	<0.01			
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								0.0076 (J)	
9/25/2017									
9/26/2017									0.006 (J)
9/27/2017									
9/29/2017							0.0265		
10/2/2017	0.0167	0.0048 (J)	0.0085 (J)	0.0157	0.0122				
10/3/2017									
10/4/2017						0.0047 (J)			
3/14/2018									0.0065 (J)
3/15/2018							0.029	0.0092 (J)	
3/16/2018	0.016		0.015	0.012	0.0084 (J)				
3/19/2018		0.037				0.0047 (J)			
3/21/2018									
9/12/2018								0.008 (J)	
9/13/2018							0.026		
9/14/2018		0.0059 (J)	0.0095 (J)						0.0065 (J)
9/17/2018	0.015 (D)				0.01	0.0041 (J)			
9/18/2018				0.0099 (J)					
3/13/2019								0.0077 (J)	
3/14/2019									0.0066 (J)
3/15/2019							0.026		

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWA-3A (bg)	GWC-48	GWA-43R (bg)	GWA-42 (bg)
3/19/2019			0.024	0.013	0.012				
3/20/2019	0.019	0.0072 (J)				0.0042 (J)			
3/21/2019									
9/9/2019									
9/10/2019									0.0068 (J)
9/11/2019							0.0295 (D)	0.0079 (J)	
9/12/2019	0.018	0.0058 (JD)		0.011					
9/13/2019			0.012		0.0088 (J)	0.0042 (J)			
3/6/2020									0.0066 (J)
3/9/2020							0.029	0.0069 (J)	
3/10/2020									
3/11/2020	0.016	0.035	0.027	0.0095 (J)	0.0077 (J)	0.0041 (J)			
3/12/2020									
9/10/2020									0.0059 (J)
9/11/2020									
9/14/2020							0.035	0.0075 (J)	
9/15/2020	0.019	0.019	0.013	0.0089 (J)					
9/16/2020					0.0081 (J)				
9/17/2020									
3/10/2021									
3/11/2021							0.038	0.0069	0.0061
3/12/2021									
3/16/2021	0.018		0.013						
3/17/2021		0.025		0.012	0.0074				
3/29/2021						0.0073			
5/26/2021							0.039		
8/4/2021							0.034		0.0061
8/5/2021								0.0069	
8/6/2021									
8/9/2021	0.019	0.024	0.029	0.0089	0.0071	0.0073			
8/10/2021									
1/31/2022							0.038	0.0076	0.0063
2/1/2022	0.015	0.026	0.024		0.0065				
2/2/2022				0.009		0.0064			
2/3/2022									
8/10/2022								0.0066	0.0063
8/11/2022									
8/12/2022									
8/15/2022							0.045		
8/16/2022	0.017	0.021	0.027		0.0072	0.0067			
8/17/2022				0.0091					
2/13/2023								0.0064	0.0061
2/14/2023							0.04		
2/16/2023	0.018	0.029	0.028	0.0081	0.0067				
2/17/2023						0.0065			
7/25/2023								0.0073	
7/26/2023							0.048		0.0064
7/27/2023	0.018	0.02	0.024						
7/28/2023				0.0079	0.0075				
8/1/2023						0.0074			

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013								
4/15/2013								
10/15/2013								
10/16/2013								
4/10/2014								
4/11/2014								
4/22/2014								
4/23/2014								
9/30/2014								
10/1/2014								
10/4/2014								
3/30/2015								
3/31/2015								
10/11/2015								
10/12/2015								
10/13/2015								
3/10/2016								
3/11/2016	0.0116							
3/14/2016		0.0234						
3/15/2016			0.0101	0.0462	0.0291			
3/16/2016						0.00599 (J)		
3/22/2016								
3/23/2016								
3/28/2016								
5/11/2016		0.00793 (J)	0.00992 (J)					
5/12/2016					0.0322			
5/13/2016	0.0361			0.0265				
5/16/2016						0.006 (J)	0.0113 (D)	
5/17/2016								
5/19/2016								
5/20/2016								
5/23/2016								
5/25/2016								
7/19/2016	0.036	0.0045 (J)						
7/20/2016					0.0313			
7/21/2016			0.009 (J)	0.0243				
7/22/2016								
7/25/2016						0.0056 (J)		
7/27/2016							0.0114 (D)	
7/29/2016								
8/1/2016								
9/15/2016		0.0057 (J)	0.0109		0.0217			
9/16/2016	0.0259							
9/19/2016						0.0059 (J)		
9/20/2016								
9/21/2016				0.0145				
9/22/2016								
9/23/2016								
9/26/2016								
11/2/2016	0.037	0.0043 (J)						
11/3/2016			0.0115	0.0082 (J)	0.0272			
11/4/2016						0.0054 (J)		

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWA-39RZ (bg)	GWA-4RZ (bg)
11/9/2016								
11/10/2016								
11/11/2016								
1/17/2017			0.0101	0.007 (J)				
1/18/2017	0.0248	<0.01 (*)			0.0286 (J)			
1/23/2017						0.006 (J)		
1/30/2017								
1/31/2017								
2/21/2017							0.0178	
2/22/2017								0.0273
3/24/2017			0.0086 (J)		0.0307			
3/27/2017				0.016			0.0162 (D)	
3/28/2017	0.0222	0.0188						
3/29/2017						0.0058 (J)		
3/30/2017								
4/3/2017								
4/7/2017								0.024
5/24/2017			0.0087 (J)					
6/6/2017	0.02			0.0301	0.0242			
6/7/2017		0.0273				0.0062 (J)		
6/8/2017							0.0156 (D)	
6/9/2017								
6/12/2017								
6/14/2017								0.027 (D)
7/12/2017								0.027 (D)
7/17/2017							0.016 (D)	
7/20/2017								0.0304 (D)
7/27/2017							0.0184	
7/28/2017								0.0269
8/9/2017							0.0162	0.0254
8/24/2017								0.0285
9/22/2017	0.0179							
9/25/2017				0.0169	0.0252			
9/26/2017		0.0236	0.0075 (J)					
9/27/2017						0.0056 (J)		
9/29/2017							0.0159 (D)	
10/2/2017								
10/3/2017								0.0294 (D)
10/4/2017								
3/14/2018	0.016	0.027	0.0064 (J)	0.036	0.021			
3/15/2018						0.0057 (J)		
3/16/2018							0.016	
3/19/2018								
3/21/2018								0.03
9/12/2018	0.017	0.022	0.0075 (J)	0.021	0.025			
9/13/2018						0.0057 (J)		
9/14/2018							0.015	
9/17/2018								
9/18/2018								0.032
3/13/2019	0.014		0.0076 (J)					
3/14/2019				0.04	0.028	0.0066 (J)	0.018	
3/15/2019		0.019						

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
8/23/2007	<0.005	<0.005	<0.005	0.028					
10/23/2007	0.0096								
10/24/2007		0.0025	0.026 (O)						
11/2/2007				0.041					
11/18/2007	0.023	0.0093	0.043 (O)	0.14 (O)					
1/30/2008	0.11 (O)								
1/31/2008		0.054 (O)	0.0075	0.053					
3/10/2008	0.024	0.0054							
3/11/2008			0.019	0.076 (o)					
5/6/2008			0.004						
5/13/2008	0.006	0.0043							
5/14/2008				0.074 (o)					
12/4/2008		<0.005	0.02						
12/5/2008	<0.005			0.032					
12/12/2008					0.0035	0.0096			
4/15/2009	<0.005			0.028					
4/21/2009		<0.005	<0.005						
4/23/2009					0.0032	0.015			
10/6/2009					<0.005	0.008			
10/7/2009	0.0096		<0.005						
10/8/2009		<0.005		0.032					
4/21/2010		<0.005							
4/26/2010			<0.005						
4/27/2010					<0.005				
4/28/2010				0.029					
5/3/2010	<0.005							0.0053	
9/28/2010		<0.005							
9/30/2010					<0.005				
10/4/2010			0.0025						
10/6/2010				0.031					
10/11/2010								0.0061	
10/12/2010	<0.005								
4/12/2011		<0.005							
4/13/2011			<0.005						
4/14/2011					0.0028				
4/21/2011				0.019					
4/27/2011	<0.005							0.0087	
10/4/2011		<0.005							
10/5/2011			<0.005		0.0028				
10/13/2011				0.028					
10/17/2011	<0.005								
10/19/2011								0.0039	
4/3/2012		<0.005							
4/11/2012			<0.005		<0.005				
5/1/2012				0.0253		0.0054			
5/2/2012	<0.005								
10/2/2012					0.0026	0.0044			
10/8/2012	<0.005								
10/9/2012		<0.005	<0.005	0.023					
4/9/2013					<0.005				
4/10/2013						0.0053			
4/11/2013		<0.005		0.021					

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/12/2013	<0.005								
4/15/2013			<0.005						
10/15/2013			0.0028		<0.005				
10/16/2013	<0.005	<0.005		0.018		0.0047			
4/10/2014		<0.005			0.0025 (J)				
4/11/2014	<0.005								
4/22/2014			<0.005			0.0045			
4/23/2014				0.015					
9/30/2014	<0.005	<0.005	<0.005						
10/1/2014					<0.005	0.0018 (J)			
10/4/2014				0.017					
3/30/2015	0.004	<0.005	0.0018 (J)		0.0015 (J)	0.0037			
3/31/2015				0.045					
10/11/2015					0.0013 (J)	0.0018 (J)			
10/12/2015				0.019					
10/13/2015	<0.005	<0.005	<0.005						
3/10/2016							0.00432 (J)		
3/11/2016								<0.005	0.00288 (J)
3/14/2016									
3/15/2016									
3/22/2016	<0.005								
3/23/2016		<0.005	<0.005	0.019					
3/28/2016					<0.005	0.0028 (J)			
5/11/2016									
5/12/2016									
5/13/2016								<0.005	<0.005
5/16/2016									
5/17/2016							0.00489 (J)		
7/19/2016								<0.005	0.0006 (J)
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016							0.0036 (J)		
7/29/2016	<0.005	<0.005	<0.005	0.0161					
8/1/2016					<0.005	<0.005			
9/15/2016									
9/16/2016								<0.005	0.0008 (J)
9/19/2016									
9/20/2016							0.0035 (J)		
9/21/2016									
11/2/2016								<0.005	0.0007 (J)
11/3/2016									
11/4/2016							0.0035 (J)		
1/17/2017									
1/18/2017								0.0006 (J)	0.0006 (J)
1/23/2017							<0.005		
2/21/2017									
3/24/2017									
3/27/2017									
3/28/2017							0.0033 (J)	<0.005 (*)	<0.005 (*)
3/30/2017	0.0004 (J)		0.0006 (J)	0.018					
4/3/2017		<0.005				0.0022 (J)			

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
4/7/2017					0.0011 (J)				
9/22/2017								<0.005	0.0007 (J)
9/25/2017									
9/26/2017									
9/29/2017							0.0036 (J)		
10/2/2017	<0.005	<0.005	<0.005		0.0013 (J)	0.0021 (J)			
10/3/2017									
10/4/2017				0.0158					
3/14/2018									<0.005
3/15/2018							0.0033 (J)	<0.005	
3/16/2018	<0.005	<0.005			<0.005	0.0014 (J)			
3/19/2018			<0.005	0.015					
3/21/2018									
9/12/2018								<0.005	<0.005
9/13/2018							0.0038 (J)		
9/14/2018		<0.005	<0.005						
9/17/2018	<0.005 (D)			0.014	0.00096 (J)				
9/18/2018						0.0012 (J)			
3/13/2019								<0.005	<0.005
3/14/2019									
3/15/2019							0.0033 (J)		
3/19/2019		<0.005			<0.005	0.0016 (J)			
3/20/2019	<0.005		<0.005	0.01					
3/21/2019									
9/9/2019									
9/10/2019									
9/11/2019							0.00405 (JD)	<0.005	0.00082 (J)
9/12/2019	0.00038 (J)		0.00518 (JD)			0.0015 (J)			
9/13/2019		<0.005		0.012	0.00063 (J)				
3/6/2020									
3/9/2020							0.0039 (J)	<0.005	0.00082 (J)
3/11/2020	0.00068 (J)	0.002 (J)	0.0014 (J)	0.012	0.00084 (J)	0.001 (J)			
3/12/2020									
9/10/2020									
9/11/2020									0.00089 (J)
9/14/2020							0.0046 (J)	<0.005	
9/15/2020	<0.005	0.0013 (J)	<0.005			0.0012 (J)			
9/16/2020					<0.005				
9/17/2020									
3/10/2021									
3/11/2021							0.0047 (J)	<0.005	<0.005
3/12/2021									
3/16/2021	<0.005	<0.005							
3/17/2021			<0.005		<0.005	0.0012 (J)			
3/29/2021				<0.005					
8/4/2021							0.0045 (J)		
8/5/2021								<0.005	
8/6/2021									0.00084 (J)
8/9/2021	<0.005	0.00081 (J)	<0.005	<0.005	0.00077 (J)	0.00097 (J)			
8/10/2021									
1/31/2022							0.0052	<0.005	0.00077 (J)
2/1/2022	<0.005	<0.005	<0.005		0.0008 (J)				

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-3A (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-43R (bg)	GWA-43 (bg)
2/2/2022				<0.005		0.00089 (J)			
2/3/2022									
8/10/2022								<0.005	
8/11/2022									<0.005
8/12/2022									
8/15/2022							0.0056		
8/16/2022	<0.005	<0.005	<0.005	<0.005	0.00071 (J)				
8/17/2022						0.0011 (J)			
2/13/2023								<0.005	
2/14/2023							0.0058		<0.005
2/16/2023	<0.005	<0.005	<0.005		0.00082 (J)	0.00081 (J)			
2/17/2023				<0.005					
7/25/2023								<0.005	<0.005
7/26/2023							0.0075		
7/27/2023	<0.005	<0.005	<0.005						
7/28/2023					0.00094 (J)	0.00092 (J)			
8/1/2023				<0.005					

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-42 (bg) GWA-39Z (bg) GWA-41R (bg) GWA-40 (bg) GWA-41 (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.005						
3/14/2016		0.00544 (J)					
3/15/2016			<0.005	<0.005	<0.005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		0.0149		<0.005			
5/12/2016					<0.005		
5/13/2016			<0.005				
5/16/2016	0.00233 (J)					0.0136 (D)	
5/17/2016							
7/19/2016		0.0044 (J)					
7/20/2016					0.0006 (J)		
7/21/2016			0.0009 (J)	<0.005			
7/22/2016	0.0014 (J)						
7/27/2016						0.0224 (D)	
7/29/2016							
8/1/2016							
9/15/2016		0.0047 (J)		<0.005	0.0009 (J)		
9/16/2016							
9/19/2016	0.0014 (J)						
9/20/2016							
9/21/2016			<0.005				
11/2/2016		0.0025 (J)					
11/3/2016	0.0013 (J)		<0.005	<0.005	0.0011 (J)		
11/4/2016							
1/17/2017	0.0011 (J)		<0.005	<0.005			
1/18/2017		0.004 (J)			0.0007 (J)		
1/23/2017							
2/21/2017						0.0007 (J)	
3/24/2017				<0.005 (*)	<0.005 (*)		
3/27/2017	<0.005 (*)		<0.005 (*)			<0.005 (D)	
3/28/2017		0.0034 (J)					
3/30/2017							
4/3/2017							

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/7/2017							<0.005
9/22/2017							
9/25/2017			0.0012 (J)		<0.005		
9/26/2017	0.0011 (J)	0.0016 (J)		<0.005			
9/29/2017						<0.005 (D)	
10/2/2017							
10/3/2017							<0.005 (D)
10/4/2017							
3/14/2018	0.0012 (J)	<0.005	0.0014 (J)	<0.005	<0.005		
3/15/2018							
3/16/2018						<0.005	
3/19/2018							
3/21/2018							<0.005
9/12/2018		<0.005	0.0011 (J)	<0.005	<0.005		
9/13/2018							
9/14/2018	0.0012 (J)					<0.005	
9/17/2018							
9/18/2018							<0.005
3/13/2019				<0.005			
3/14/2019	0.0015 (J)		0.001 (J)		<0.005	0.0017 (J)	
3/15/2019		<0.005					
3/19/2019							
3/20/2019							
3/21/2019							<0.005 (D)
9/9/2019		0.0014 (J)		<0.005			
9/10/2019	0.0012 (J)		0.00084 (J)		0.0004 (JD)		
9/11/2019							
9/12/2019							0.00032 (JD)
9/13/2019							
3/6/2020	0.0015 (J)				0.0089 (J)		
3/9/2020		0.04 (o)	0.00036 (J)	<0.005		0.00083 (J)	
3/11/2020							
3/12/2020							0.00034 (J)
9/10/2020	0.0011 (J)	<0.005	<0.005		<0.005		
9/11/2020				<0.005			
9/14/2020							
9/15/2020							
9/16/2020						<0.005	
9/17/2020							<0.005
3/10/2021			<0.005	<0.005			
3/11/2021	0.0011 (J)				<0.005		
3/12/2021		0.0015 (J)					
3/16/2021						<0.005	<0.005
3/17/2021							
3/29/2021							
8/4/2021	0.0011 (J)	<0.005	<0.005	<0.005	<0.005		
8/5/2021							
8/6/2021						<0.005	
8/9/2021							
8/10/2021							<0.005
1/31/2022	0.0011 (J)	<0.005	0.00091 (J)	<0.005	<0.005		
2/1/2022							

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 11:54 AM View: Appendix I Two-Step
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
2/2/2022						<0.005	
2/3/2022							<0.005
8/10/2022	0.0016 (J)	<0.005					
8/11/2022			<0.005		0.00083 (J)		
8/12/2022				<0.005			
8/15/2022							
8/16/2022						<0.005	
8/17/2022							<0.005
2/13/2023	0.0013 (J)	0.00095 (J)	<0.005	<0.005	<0.005		
2/14/2023						<0.005	
2/16/2023							
2/17/2023							<0.005
7/25/2023			<0.005		0.00073 (J)	<0.005	
7/26/2023	0.0015 (J)	0.0013 (J)		<0.005			
7/27/2023							
7/28/2023							<0.005
8/1/2023							

FIGURE F.

Appendix I Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:51 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-48	0.0005	n/a	7/26/2023	0.00064	Yes	427	n/a	n/a	95.55	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

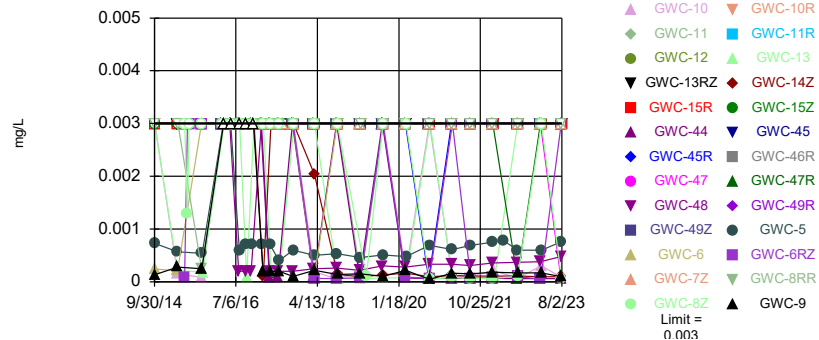
Appendix I Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:51 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Thallium (mg/L)	GWC-10	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-10R	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-11R	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-13RZ	0.001	n/a	8/2/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-14Z	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15R	0.001	n/a	8/2/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-15Z	0.001	n/a	8/1/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-44	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-45R	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-46R	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47	0.001	n/a	7/27/2023	0.0002J	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-47R	0.001	n/a	7/27/2023	0.0002J	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-48	0.001	n/a	7/26/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49R	0.001	n/a	7/27/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-49Z	0.001	n/a	7/27/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-5	0.001	n/a	7/28/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-6RZ	0.001	n/a	7/28/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-7Z	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8RR	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-8Z	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	7/31/2023	0.001ND	No	320	n/a	n/a	95.94	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

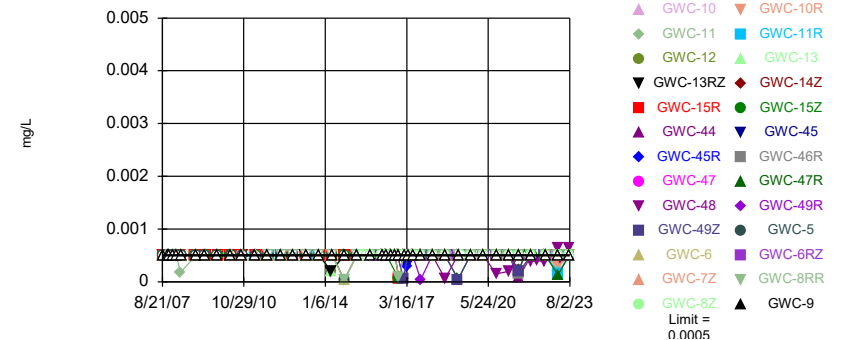


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 330 background values. 91.52% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Beryllium Analysis Run 9/11/2023 11:49 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit: GWC-48

Prediction Limit
Interwell Non-parametric

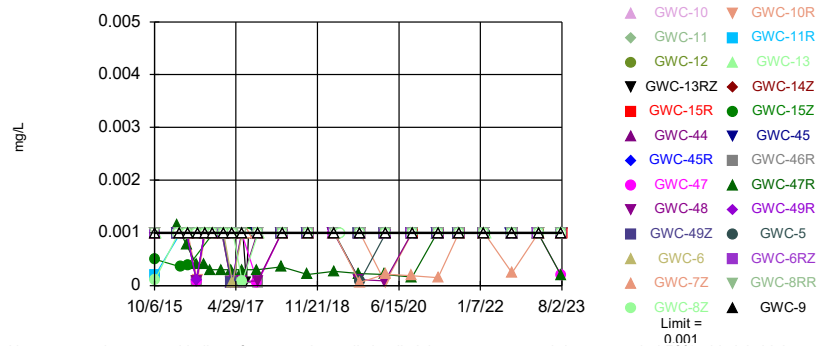


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 427 background values. 95.55% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Mercury Analysis Run 9/11/2023 11:49 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 320 background values. 95.94% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Thallium Analysis Run 9/11/2023 11:49 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-14Z	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-15R	GWC-13	GWA-50R (bg)
9/30/2014	<0.003	<0.003	<0.003	<0.003	0.00013 (J)	<0.003	<0.003		
10/1/2014								<0.003	<0.003
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015	0.00029 (J)			<0.003		<0.003			0.0002 (J)
3/31/2015									
4/1/2015								0.00022 (J)	
4/2/2015					0.00028 (J)				
4/3/2015		<0.003	<0.003				<0.003		
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015			<0.003						
10/7/2015		<0.003					<0.003		
10/8/2015									
10/9/2015									
10/10/2015					0.000245 (JD)				
10/11/2015									<0.003
10/12/2015									
10/13/2015	<0.003			<0.003		<0.003			
10/14/2015									
10/15/2015								0.00018 (J)	
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016	<0.003								
3/23/2016				<0.003		<0.003			
3/28/2016									<0.003
3/29/2016									
3/30/2016					<0.003				
3/31/2016									
4/4/2016								<0.003	
4/5/2016		<0.003	<0.003				<0.003		
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.003			<0.003					
5/20/2016						<0.003			
5/23/2016									
5/24/2016									
5/25/2016									<0.003
5/26/2016					<0.003				
5/27/2016									
5/31/2016			<0.003				<0.003	<0.003	
6/1/2016		<0.003							

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-14Z	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-15R	GWC-13	GWA-50R (bg)
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.003			<0.003		<0.003			
8/1/2016									<0.003
8/2/2016									
8/3/2016									
8/4/2016							<0.003	<0.003	
8/5/2016					<0.003				
8/9/2016		<0.003							
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016				<0.003					
9/23/2016	<0.003					<0.003			
9/26/2016									<0.003
9/27/2016									
9/28/2016					<0.003				
9/29/2016							<0.003	9E-05 (J)	
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	<0.003					<0.003			
11/10/2016				<0.003					
11/11/2016									<0.003
11/14/2016									
11/18/2016									
11/21/2016					<0.003				
11/22/2016									
11/23/2016			<0.003				<0.003		
11/28/2016		<0.003						<0.003	
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017	<0.003								<0.003
1/31/2017				<0.003		<0.003			
2/1/2017									
2/3/2017									
2/6/2017					0.0002 (J)				
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-14Z	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-15R	GWC-13	GWA-50R (bg)
2/8/2017									
2/9/2017		0.0001 (J)						<0.003	
2/10/2017			<0.003				<0.003		
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	<0.003					<0.003			
4/3/2017				<0.003					<0.003
4/6/2017					0.0002 (J)				
4/7/2017									
4/10/2017									
4/11/2017		<0.003	<0.003						
4/12/2017							<0.003	0.0001 (J)	
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.003			<0.003					
6/12/2017						<0.003			<0.003
6/13/2017					0.0002 (J)				
6/14/2017		<0.003							
6/15/2017			<0.003				<0.003		
6/16/2017								9E-05 (J)	
7/12/2017		<0.003	<0.003						
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017			<0.003						
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.003			<0.003		<0.003			<0.003
10/3/2017					0.0001 (J)				
10/4/2017									
10/5/2017		<0.003							
10/6/2017			<0.003				<0.003		
10/9/2017								<0.003	
3/14/2018									
3/15/2018									
3/16/2018	<0.003			<0.003					<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-14Z	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-15R	GWC-13	GWA-50R (bg)
3/19/2018						<0.003			
3/20/2018					0.00022 (J)				
3/21/2018								<0.003	
3/22/2018		0.00203 (JD)							
3/23/2018			<0.003				<0.003		
9/12/2018									
9/13/2018									
9/14/2018				<0.003		<0.003			
9/17/2018	<0.003 (D)								
9/18/2018					0.00014 (JD)				<0.003
9/19/2018		0.00014 (J)	<0.003				<0.003	7E-05 (J)	
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019				<0.003					<0.003
3/20/2019	<0.003					<0.003			
3/21/2019					0.00015 (J)				
3/22/2019		9.4E-05 (J)	<0.003						
3/23/2019								6.1E-05 (J)	
3/25/2019							<0.003		
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019	<0.003					<0.003 (D)			<0.003
9/13/2019				<0.003					
9/16/2019					0.0001 (J)				
9/17/2019		0.00013 (X)	<0.003				<0.003		
9/18/2019								7.4E-05 (J)	
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.003			<0.003		<0.003			<0.003
3/12/2020					0.00022 (J)				
3/13/2020		0.00016 (J)	<0.003				<0.003	8E-05 (J)	
3/16/2020									
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.003			<0.003		<0.003			8.5E-05 (J)
9/16/2020									
9/17/2020					4.8E-05 (J)				
9/21/2020		9.5E-05 (J)	<0.003				<0.003		
9/22/2020								<0.003	
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-14Z	GWC-15Z	GWA-2R (bg)	GWC-9	GWA-2 (bg)	GWC-15R	GWC-13	GWA-50R (bg)
3/16/2021	<0.003			<0.003					
3/17/2021						<0.003			<0.003
3/18/2021		0.00012 (J)	<0.003		0.00016 (J)		<0.003	7E-05 (J)	
3/19/2021									
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.003			<0.003		<0.003			<0.003
8/10/2021					0.00015 (J)				
8/11/2021		0.00011 (J)	<0.003				<0.003	7.4E-05 (J)	
8/12/2021									
1/31/2022									
2/1/2022	<0.003			<0.003		<0.003			
2/2/2022					0.00018 (J)				5.5E-05 (J)
2/3/2022									
2/4/2022		0.00011 (J)					<0.003		
2/7/2022			<0.003						
2/17/2022								8.9E-05 (J)	
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.003			<0.003		<0.003			
8/17/2022					0.00017 (J)				<0.003
8/18/2022		0.00011 (J)						<0.003	
8/19/2022			<0.003				<0.003		
2/13/2023									
2/14/2023									
2/16/2023	<0.003			<0.003		<0.003			<0.003
2/17/2023									
2/20/2023									
2/21/2023					0.00017 (J)				
2/22/2023		9.4E-05 (J)	<0.003				<0.003	<0.003	
7/25/2023									
7/26/2023									
7/27/2023	<0.003			<0.003		<0.003			
7/28/2023									<0.003
7/31/2023					9.7E-05 (J)				
8/1/2023		9.4E-05 (J)	<0.003					<0.003	
8/2/2023							<0.003		

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-11R	GWC-8RR	GWC-10R	GWC-6
9/30/2014									
10/1/2014	<0.003	<0.003							
10/2/2014			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
10/3/2014									0.00024 (J)
10/4/2014									
3/30/2015		<0.003							
3/31/2015	<0.003								
4/1/2015				<0.003	<0.003	<0.003			0.00021 (J)
4/2/2015			0.00015 (J)					<0.003	
4/3/2015							<0.003		
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015									
10/7/2015									
10/8/2015							0.00025 (J)		
10/9/2015									<0.003
10/10/2015			8.5E-05 (J)						
10/11/2015		<0.003		<0.003		<0.003			
10/12/2015								<0.003	
10/13/2015									
10/14/2015	<0.003				<0.003				
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016		<0.003							
3/29/2016									<0.003
3/30/2016							<0.003		
3/31/2016			<0.003					<0.003	
4/4/2016	<0.003			<0.003	<0.003	<0.003			
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016		<0.003							
5/24/2016							<0.003		<0.003
5/25/2016									
5/26/2016			<0.003	<0.003		<0.003		<0.003	
5/27/2016					<0.003				
5/31/2016									
6/1/2016	<0.003 (D)								

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-11R	GWC-8RR	GWC-10R	GWC-6
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016		<0.003							<0.003
8/2/2016							<0.003		
8/3/2016				<0.003	<0.003			<0.003	
8/4/2016						<0.003			
8/5/2016			<0.003						
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016		<0.003							<0.003
9/27/2016							<0.003		
9/28/2016			<0.003	<0.003		<0.003		<0.003	
9/29/2016									
9/30/2016					<0.003				
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016		<0.003							
11/11/2016									
11/14/2016									
11/18/2016									<0.003
11/21/2016									
11/22/2016			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017		<0.003							
1/31/2017									
2/1/2017									<0.003
2/3/2017									
2/6/2017							<0.003		
2/7/2017			<0.003					<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-11R	GWC-8RR	GWC-10R	GWC-6
2/8/2017				<0.003		<0.003			
2/9/2017									
2/10/2017									
2/13/2017					<0.003				
2/21/2017									
2/22/2017	<0.003								
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017									
4/6/2017							<0.003		<0.003
4/7/2017		<0.003							
4/10/2017			<0.003	<0.003		<0.003		<0.003	
4/11/2017	<0.003				<0.003				
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017		<0.003							
6/13/2017									<0.003
6/14/2017			<0.003		<0.003		<0.003	<0.003	
6/15/2017				<0.003		<0.003			
6/16/2017	<0.003								
7/12/2017	<0.003								
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017	<0.003								
8/9/2017									
8/10/2017	<0.003								
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017		<0.003							
10/3/2017									<0.003
10/4/2017			<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2017									
10/6/2017	<0.003								
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018		<0.003							

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-11R	GWC-8RR	GWC-10R	GWC-6
3/19/2018									6.6E-05 (J)
3/20/2018			0.00019 (J)						
3/21/2018				<0.003			<0.003	<0.003	
3/22/2018					<0.003	<0.003			
3/23/2018	<0.003								
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018		<0.003							<0.003
9/18/2018			5.4E-05 (J)	<0.003	<0.003	<0.003	<0.003	<0.003	
9/19/2018									
9/20/2018	<0.003								
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019		<0.003							
3/20/2019									
3/21/2019									<0.003
3/22/2019	<0.003		0.00018 (J)					<0.003	
3/23/2019				5.7E-05 (J)	<0.003	<0.003			
3/25/2019									
3/27/2019							<0.003		
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019		<0.003							
9/16/2019							<0.003 (D)		<0.003
9/17/2019			<0.003	<0.003	<0.003 (D)	<0.003		<0.003	
9/18/2019	<0.003								
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020		<0.003							
3/12/2020			0.00017 (J)	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/13/2020									
3/16/2020									
3/17/2020	<0.003								
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020									
9/16/2020		<0.003							<0.003
9/17/2020			<0.003				<0.003	<0.003	
9/21/2020				<0.003	<0.003	<0.003			
9/22/2020	<0.003								
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWA-50 (bg)	GWC-10	GWC-11	GWC-12	GWC-11R	GWC-8RR	GWC-10R	GWC-6
3/16/2021									
3/17/2021		<0.003					<0.003		<0.003
3/18/2021			0.0001 (J)					<0.003	
3/19/2021	<0.003			<0.003	<0.003	<0.003			
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021		<0.003							
8/10/2021			9.4E-05 (J)				<0.003		<0.003
8/11/2021				<0.003	<0.003	<0.003		<0.003	
8/12/2021	<0.003								
1/31/2022									
2/1/2022		<0.003							
2/2/2022					<0.003		<0.003		<0.003
2/3/2022									
2/4/2022	<0.003		0.00021 (J)	<0.003		<0.003		<0.003	
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022		<0.003							
8/17/2022			7E-05 (J)				<0.003		<0.003
8/18/2022				<0.003	<0.003	<0.003		<0.003	
8/19/2022	<0.003								
2/13/2023									
2/14/2023									
2/16/2023		<0.003							
2/17/2023									<0.003
2/20/2023			0.0003 (J)	<0.003		<0.003		<0.003	
2/21/2023					<0.003		<0.003		
2/22/2023	<0.003								
7/25/2023									
7/26/2023									
7/27/2023									
7/28/2023		<0.003							
7/31/2023			8.3E-05 (J)				<0.003	<0.003	<0.003
8/1/2023				<0.003	<0.003	<0.003			
8/2/2023	<0.003								

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWA-3A (bg)	GWC-6RZ	GWC-8Z	GWC-47R	GWC-46R	GWC-48	GWC-47	GWA-43 (bg)
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014	0.00073 (J)								
10/4/2014		<0.003							
3/30/2015									
3/31/2015	0.00057 (J)	<0.003							
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015			8.8E-05 (J)	<0.003					
6/18/2015			<0.003 (D)	0.0013 (D)					
7/2/2015			<0.003	<0.003					
10/6/2015									
10/7/2015									
10/8/2015				<0.003					
10/9/2015			<0.003						
10/10/2015									
10/11/2015									
10/12/2015	0.00054 (J)	<0.003							
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016					<0.003	<0.003	<0.003	<0.003	
3/11/2016									<0.003
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016				<0.003					
3/23/2016		<0.003							
3/28/2016	<0.003								
3/29/2016			<0.003						
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									<0.003
5/16/2016									
5/17/2016						<0.003	<0.003		
5/18/2016					<0.003			<0.003	
5/19/2016									
5/20/2016									
5/23/2016		<0.003							
5/24/2016			<0.003						
5/25/2016	<0.003			<0.003					
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWA-3A (bg)	GWC-6RZ	GWC-8Z	GWC-47R	GWC-46R	GWC-48	GWC-47	GWA-43 (bg)
7/19/2016									<0.003
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016						<0.003			
7/27/2016					<0.003		0.0002 (J)	<0.003	
7/28/2016									
7/29/2016		<0.003							
8/1/2016	0.0006 (J)		<0.003						
8/2/2016				<0.003					
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									<0.003
9/19/2016									
9/20/2016					<0.003	<0.003	0.0002 (J)	<0.003	
9/21/2016									
9/22/2016		<0.003							
9/23/2016									
9/26/2016			<0.003	<0.003					
9/27/2016	0.0007 (J)								
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									<0.003
11/3/2016									
11/4/2016					<0.003	<0.003	0.0002 (J)		
11/7/2016								<0.003	
11/9/2016									
11/10/2016		<0.003							
11/11/2016	0.0007 (J)								
11/14/2016			<0.003						
11/18/2016									
11/21/2016				<0.003					
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									<0.003
1/19/2017									
1/20/2017					<0.003	<0.003			
1/23/2017							<0.003	<0.003	
1/24/2017									
1/30/2017									
1/31/2017	0.0007 (J)	<0.003							
2/1/2017			<0.003						
2/3/2017				<0.003					
2/6/2017									
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWA-3A (bg)	GWC-6RZ	GWC-8Z	GWC-47R	GWC-46R	GWC-48	GWC-47	GWA-43 (bg)
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017						<0.003	0.0002 (J)		<0.003
3/29/2017					<0.003			<0.003	
3/30/2017		<0.003							
4/3/2017	0.0007 (J)								
4/6/2017			<0.003						
4/7/2017				<0.003					
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									<0.003
6/7/2017						<0.003			
6/8/2017					<0.003		0.0002 (J)	<0.003	
6/9/2017									
6/12/2017	0.0004 (J)	<0.003							
6/13/2017			<0.003	<0.003					
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									<0.003
9/25/2017									
9/26/2017									
9/27/2017					<0.003			<0.003	
9/29/2017						<0.003	0.0002 (J)		
10/2/2017									
10/3/2017	0.0006 (J)		<0.003	<0.003					
10/4/2017		<0.003							
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									<0.003
3/15/2018						<0.003	0.00025 (J)	<0.003	
3/16/2018					<0.003				

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWA-3A (bg)	GWC-6RZ	GWC-8Z	GWC-47R	GWC-46R	GWC-48	GWC-47	GWA-43 (bg)
3/19/2018	0.0005 (J)	<0.003							
3/20/2018			6.8E-05 (J)	<0.003					
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018									<0.003
9/13/2018					<0.003	<0.003	0.00026 (J)	<0.003	
9/14/2018									
9/17/2018	0.00053 (J)	<0.003	5.8E-05 (J)						
9/18/2018				<0.003					
9/19/2018									
9/20/2018									
3/13/2019									<0.003
3/14/2019									
3/15/2019							0.00022 (J)	<0.003	
3/18/2019						<0.003			
3/19/2019					<0.003				
3/20/2019	0.00046 (J)	<0.003							
3/21/2019			7.6E-05 (J)						
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019				0.0001 (J)					
9/9/2019									
9/10/2019									
9/11/2019					<0.003	<0.003	0.0003 (JD)		<0.003
9/12/2019								<0.003	
9/13/2019		<0.003							
9/16/2019	0.00051 (J)		<0.003	<0.003					
9/17/2019									
9/18/2019									
3/6/2020									
3/9/2020					<0.003		0.00028 (J)	<0.003	<0.003
3/10/2020						<0.003			
3/11/2020		<0.003							
3/12/2020			9.3E-05 (J)						
3/13/2020									
3/16/2020	0.00048 (J)			<0.003					
3/17/2020									
9/10/2020									
9/11/2020									6.9E-05 (J)
9/14/2020						<0.003	0.00033 (J)	<0.003	
9/15/2020					<0.003				
9/16/2020	0.00069 (J)		6.7E-05 (J)						
9/17/2020				4.9E-05 (J)					
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021					<0.003	<0.003	0.00033 (J)	<0.003	<0.003
3/12/2021									
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWA-3A (bg)	GWC-6RZ	GWC-8Z	GWC-47R	GWC-46R	GWC-48	GWC-47	GWA-43 (bg)
3/16/2021									
3/17/2021	0.00061		<0.003						
3/18/2021				8.5E-05 (J)					
3/19/2021									
3/29/2021		<0.003							
8/4/2021							0.00031 (J)		
8/5/2021					<0.003	<0.003		<0.003	
8/6/2021									<0.003
8/9/2021	0.00069	<0.003							
8/10/2021			6.1E-05 (J)	6.2E-05 (J)					
8/11/2021									
8/12/2021									
1/31/2022						<0.003	0.00036 (J)		<0.003
2/1/2022					<0.003			<0.003	
2/2/2022	0.00075	<0.003	7E-05 (J)	6.4E-05 (J)					
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022	0.00078								
8/10/2022									
8/11/2022									7.6E-05 (J)
8/12/2022									
8/15/2022					6.5E-05 (J)	<0.003	0.00037 (J)	<0.003	
8/16/2022	0.0006	<0.003							
8/17/2022			9.8E-05 (J)	0.0001 (J)					
8/18/2022									
8/19/2022									
2/13/2023									
2/14/2023					<0.003	<0.003	0.00038 (J)	<0.003	<0.003
2/16/2023									
2/17/2023		<0.003	5.4E-05 (J)						
2/20/2023	0.0006			<0.003					
2/21/2023									
2/22/2023									
7/25/2023									<0.003
7/26/2023						<0.003	0.00048 (J)		
7/27/2023					<0.003			5.9E-05 (J)	
7/28/2023	0.00076		<0.003						
7/31/2023				5.6E-05 (J)					
8/1/2023		<0.003							
8/2/2023									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWC-44	GWC-45R
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015									
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.003	<0.003							
3/14/2016			<0.003						
3/15/2016				<0.003	<0.003	<0.003			
3/16/2016							<0.003	<0.003	<0.003
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016			<0.003	<0.003					
5/12/2016						<0.003			
5/13/2016		<0.003			<0.003				
5/16/2016	<0.003 (O)						<0.003 (D)	<0.003	<0.003 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWC-44	GWC-45R
7/19/2016		<0.003	<0.003						
7/20/2016						<0.003			
7/21/2016				<0.003	<0.003				
7/22/2016	0.0002 (J)								
7/25/2016							<0.003 (D)	<0.003	<0.003 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.003	<0.003		<0.003			
9/16/2016		<0.003							
9/19/2016	0.0001 (J)						<0.003 (D)	<0.003	<0.003 (D)
9/20/2016									
9/21/2016					<0.003				
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016		<0.003	<0.003						
11/3/2016	0.0002 (J)			<0.003	<0.003	<0.003		<0.003	<0.003 (D)
11/4/2016							<0.003 (D)		
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	0.0001 (J)			<0.003	<0.003				
1/18/2017		<0.003	<0.003			<0.003			
1/19/2017								<0.003	
1/20/2017									<0.003 (D)
1/23/2017							<0.003 (D)		
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWC-44	GWC-45R
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017				<0.003		<0.003			
3/27/2017	0.0001 (J)				<0.003				
3/28/2017		<0.003	<0.003					8E-05 (J)	
3/29/2017							<0.003 (D)		<0.003 (D)
3/30/2017									
4/3/2017									
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017				<0.003					
6/5/2017								9E-05 (J)	
6/6/2017		<0.003			<0.003	<0.003			
6/7/2017	0.0001 (J)		<0.003				<0.003		<0.003
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017		<0.003							
9/25/2017					<0.003	<0.003			
9/26/2017	0.0001 (J)		<0.003	<0.003				<0.003	
9/27/2017							<0.003		<0.003
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	0.00014 (J)		<0.003	<0.003	<0.003	<0.003			
3/15/2018		5.1E-05 (J)					<0.003	7.7E-05 (J)	<0.003
3/16/2018									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWC-44	GWC-45R
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018		<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
9/13/2018							<0.003		<0.003
9/14/2018	0.00012 (J)								
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019		<0.003		<0.003					
3/14/2019	0.00017 (J)				5.2E-05 (J)	<0.003	<0.003 (D)	7.8E-05 (J)	<0.003 (D)
3/15/2019			<0.003						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.003	<0.003					
9/10/2019	0.00015 (J)				<0.003	<0.003 (D)			
9/11/2019		<0.003					<0.003 (D)	<0.003	<0.003 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020	0.00017 (J)					<0.003			
3/9/2020		<0.003	<0.003	<0.003	<0.003				
3/10/2020							<0.003	7.4E-05 (J)	<0.003
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020	0.00014 (J)		<0.003		<0.003	<0.003			
9/11/2020				<0.003			<0.003		5.6E-05 (J)
9/14/2020		<0.003							
9/15/2020								5.7E-05 (J)	
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021				<0.003	<0.003				
3/11/2021	0.00015 (J)	<0.003				<0.003	<0.003	6.4E-05 (J)	<0.003
3/12/2021			<0.003						
3/15/2021									

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWC-45	GWC-44	GWC-45R
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021	0.00012 (J)		<0.003	<0.003	<0.003	<0.003		6.7E-05 (J)	
8/5/2021		<0.003							
8/6/2021							<0.003		<0.003
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
1/31/2022	0.00014 (J)	<0.003	<0.003	<0.003	<0.003	<0.003		6.5E-05 (J)	
2/1/2022							<0.003		<0.003
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022	0.00016 (J)	<0.003	<0.003						
8/11/2022					<0.003	<0.003			
8/12/2022				<0.003			<0.003		<0.003
8/15/2022								5.7E-05 (J)	
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023	0.00015 (J)	<0.003	<0.003	<0.003	<0.003	<0.003			
2/14/2023							<0.003	6.2E-05 (J)	<0.003
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									
2/22/2023									
7/25/2023		<0.003			<0.003	<0.003			
7/26/2023	0.00019 (J)		<0.003	<0.003			<0.003	5.7E-05 (J)	<0.003
7/27/2023									
7/28/2023									
7/31/2023									
8/1/2023									
8/2/2023									

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Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/30/2014					
10/1/2014					
10/2/2014					
10/3/2014					
10/4/2014					
3/30/2015					
3/31/2015					
4/1/2015					
4/2/2015					
4/3/2015					
5/26/2015					
6/18/2015					
7/2/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.003	<0.003			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.003 (D)		
5/17/2016					
5/18/2016	<0.003	<0.003			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.003	
6/1/2016					

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Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	<0.003		0.0004 (JD)		
7/28/2016		<0.003			
7/29/2016					
8/1/2016					
8/2/2016				<0.003	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.003	<0.003			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.003	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016	<0.003				
11/7/2016		<0.003			
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				<0.003	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	<0.003	<0.003			
1/30/2017					
1/31/2017					
2/1/2017				<0.003	
2/3/2017					
2/6/2017					
2/7/2017					

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Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.003		
2/22/2017					<0.003
3/24/2017					
3/27/2017			<0.003 (D)		
3/28/2017					
3/29/2017	<0.003				
3/30/2017		<0.003			
4/3/2017					
4/6/2017				<0.003	
4/7/2017					<0.003
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	<0.003		<0.003 (D)		
6/9/2017		<0.003			
6/12/2017					
6/13/2017				<0.003	
6/14/2017					<0.003 (D)
6/15/2017					
6/16/2017					
7/12/2017					<0.003 (D)
7/14/2017				<0.003	
7/17/2017			<0.003 (D)		
7/20/2017					<0.003 (D)
7/26/2017					
7/27/2017			<0.003		
7/28/2017					<0.003
8/9/2017			<0.003		<0.003
8/10/2017					
8/24/2017					<0.003
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.003	<0.003	<0.003 (D)		
10/2/2017					
10/3/2017				<0.003	<0.003 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.003	<0.003			
3/16/2018			<0.003		

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/19/2018					
3/20/2018				<0.003	
3/21/2018					<0.003
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018	<0.003				
9/14/2018		<0.003	<0.003		
9/17/2018					
9/18/2018				<0.003	<0.003
9/19/2018					
9/20/2018					
3/13/2019					
3/14/2019			<0.003		
3/15/2019					
3/18/2019	<0.003				
3/19/2019		<0.003			
3/20/2019					
3/21/2019				<0.003	<0.003 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.003	<0.003			
9/12/2019					<0.003 (D)
9/13/2019				<0.003	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020		<0.003	<0.003		
3/10/2020					
3/11/2020	<0.003				
3/12/2020				<0.003	<0.003
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020	<0.003				
9/14/2020		<0.003			
9/15/2020					
9/16/2020			<0.003	<0.003	
9/17/2020					<0.003
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.003	<0.003			

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/16/2021			<0.003		<0.003
3/17/2021				<0.003	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021		<0.003			
8/6/2021			<0.003		
8/9/2021					
8/10/2021				<0.003	<0.003
8/11/2021	<0.003				
8/12/2021					
1/31/2022					
2/1/2022	<0.003	<0.003			
2/2/2022			<0.003	<0.003	
2/3/2022					<0.003
2/4/2022					
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.003	<0.003			
8/16/2022			<0.003		
8/17/2022				<0.003	<0.003
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.003	<0.003	<0.003		
2/16/2023					
2/17/2023					<0.003
2/20/2023				<0.003	
2/21/2023					
2/22/2023					
7/25/2023			<0.003		
7/26/2023					
7/27/2023	<0.003	<0.003			
7/28/2023					<0.003
7/31/2023				<0.003	
8/1/2023					
8/2/2023					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
8/21/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
8/22/2007								<0.0005	
8/23/2007									<0.0005
8/24/2007									
10/23/2007									
10/24/2007									
10/25/2007								<0.0005	
11/1/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005
11/2/2007									
11/17/2007									
11/18/2007	<0.0005					<0.0005			
11/19/2007		<0.0005	<0.0005		<0.0005				<0.0005
11/20/2007				<0.0005			<0.0005	<0.0005	
1/15/2008									<0.0005
1/16/2008			<0.0005						
1/23/2008								<0.0005	
1/30/2008	<0.0005			<0.0005		<0.0005	<0.0005		
1/31/2008		<0.0005			<0.0005				
3/5/2008	<0.0005	<0.0005	<0.0005		<0.0005				
3/6/2008				<0.0005		<0.0005	<0.0005		<0.0005
3/10/2008									
3/11/2008								<0.0005	
5/6/2008									
5/7/2008	0.000181				<0.0005	<0.0005			
5/8/2008				<0.0005					
5/12/2008		<0.0005					<0.0005		
5/13/2008			<0.0005						<0.0005
5/14/2008								<0.0005	
12/2/2008									
12/4/2008									
12/5/2008									
12/11/2008								<0.0005	
12/12/2008					<0.0005				<0.0005
12/13/2008		<0.0005	<0.0005				<0.0005		
12/14/2008	<0.0005			<0.0005		<0.0005			
4/15/2009									
4/16/2009			<0.0005						<0.0005
4/21/2009									
4/23/2009								<0.0005	
4/28/2009		<0.0005							
4/29/2009	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005		
10/6/2009									
10/7/2009									
10/8/2009									
10/9/2009								<0.0005	
10/13/2009									<0.0005
10/19/2009									
10/20/2009							<0.0005		
10/21/2009		<0.0005	<0.0005	<0.0005	<0.0005				
10/22/2009	<0.0005					<0.0005			
4/20/2010									
4/21/2010	<0.0005			<0.0005		<0.0005			<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
4/26/2010							<0.0005		
4/27/2010			<0.0005						
4/28/2010		<0.0005			<0.0005				
5/3/2010									
5/4/2010								<0.0005	
9/28/2010	<0.0005			<0.0005					
9/29/2010						<0.0005	<0.0005		<0.0005
9/30/2010									
10/4/2010									
10/5/2010		<0.0005	<0.0005						
10/6/2010					<0.0005				
10/11/2010								<0.0005	
10/12/2010									
4/12/2011	<0.0005			<0.0005					
4/13/2011						<0.0005	<0.0005		<0.0005
4/14/2011									
4/18/2011									
4/19/2011		<0.0005	<0.0005						
4/20/2011					<0.0005				
4/21/2011									
4/26/2011								<0.0005	
4/27/2011									
4/28/2011									
10/4/2011	<0.0005			<0.0005		<0.0005			
10/5/2011							<0.0005		<0.0005
10/12/2011			<0.0005		<0.0005				
10/13/2011									
10/17/2011									
10/18/2011		<0.0005						<0.0005	
10/19/2011									
4/3/2012	<0.0005			<0.0005					
4/4/2012						<0.0005	<0.0005		<0.0005
4/11/2012									
4/23/2012									
4/24/2012			<0.0005						
4/25/2012		<0.0005			<0.0005				
4/30/2012									
5/1/2012									
5/2/2012								<0.0005	
10/2/2012		<0.0005	<0.0005		<0.0005				
10/3/2012	<0.0005					<0.0005	<0.0005		
10/8/2012				<0.0005				<0.0005	<0.0005
10/9/2012									
10/10/2012									
4/2/2013		<0.0005	<0.0005		<0.0005				
4/3/2013	<0.0005			<0.0005		<0.0005	<0.0005		
4/8/2013									<0.0005
4/9/2013									
4/10/2013								<0.0005	
4/11/2013									
4/12/2013									
4/15/2013									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
4/16/2013									
10/8/2013		<0.0005			<0.0005			<0.0005	
10/9/2013	<0.0005		<0.0005			<0.0005			<0.0005
10/15/2013				<0.0005			<0.0005		
10/16/2013									
10/22/2013									
4/1/2014		0.0002 (J)	0.0002 (J)		0.0002 (J)				
4/2/2014	0.0002 (J)					<0.0005			
4/9/2014				<0.0005			<0.0005		<0.0005
4/10/2014									
4/11/2014									
4/14/2014								<0.0005	
4/21/2014									
4/22/2014									
4/23/2014									
9/30/2014									<0.0005
10/1/2014		<0.0005			<0.0005				
10/2/2014	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
10/3/2014								3.29E-05 (J)	
10/4/2014									
3/30/2015									
3/31/2015					<0.0005				
4/1/2015	<0.0005	<0.0005	<0.0005			<0.0005		<0.0005	
4/2/2015				<0.0005			<0.0005		<0.0005
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015								<0.0005	
10/10/2015							<0.0005		<0.0005 (D)
10/11/2015	<0.0005					<0.0005			
10/12/2015				<0.0005					
10/13/2015									
10/14/2015			<0.0005		<0.0005				
10/15/2015		<0.0005							
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016								<0.0005	
3/30/2016									<0.0005
3/31/2016				<0.0005			<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
4/4/2016	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005			
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016								<0.0005	
5/25/2016									
5/26/2016	<0.0005			<0.0005		<0.0005	<0.0005		<0.0005
5/27/2016			<0.0005						
5/31/2016		<0.0005							
6/1/2016					<0.0005				
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016								<0.0005	
8/2/2016									
8/3/2016	<0.0005		<0.0005	<0.0005					
8/4/2016		<0.0005				<0.0005			
8/5/2016							<0.0005		<0.0005
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016								<0.0005	
9/27/2016									
9/28/2016	<0.0005			<0.0005		<0.0005	<0.0005		<0.0005
9/29/2016		<0.0005							
9/30/2016			<0.0005						
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
11/18/2016								<0.0005	
11/21/2016									<0.0005
11/22/2016	<0.0005		8E-05 (J)	<0.0005		<0.0005	<0.0005		
11/23/2016									
11/28/2016		<0.0005							
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017								<0.0005	
2/3/2017									
2/6/2017									<0.0005
2/7/2017				<0.0005			<0.0005		
2/8/2017	<0.0005					<0.0005			
2/9/2017		<0.0005							
2/10/2017									
2/13/2017			<0.0005						
2/21/2017									
2/22/2017					<0.0005				
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017									
4/6/2017								<0.0005	<0.0005
4/7/2017									
4/10/2017	<0.0005			<0.0005		<0.0005	<0.0005		
4/11/2017			<0.0005		<0.0005				
4/12/2017		<0.0005							
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017								<0.0005	<0.0005
6/14/2017			<0.0005	<0.0005			<0.0005		
6/15/2017	<0.0005					<0.0005			
6/16/2017		<0.0005			<0.0005				
7/12/2017					<0.0005				
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017					<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
8/9/2017									
8/10/2017					<0.0005				
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017									
10/3/2017								<0.0005	<0.0005
10/4/2017	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		
10/5/2017									
10/6/2017					<0.0005				
10/9/2017		<0.0005							
3/14/2018									
3/15/2018									
3/16/2018									
3/19/2018								<0.0005	
3/20/2018							<0.0005		<0.0005
3/21/2018	<0.0005	<0.0005		<0.0005					
3/22/2018			<0.0005			<0.0005			
3/23/2018					<0.0005				
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018								<0.0005	
9/18/2018	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005		<0.0005 (D)
9/19/2018		<0.0005							
9/20/2018					<0.0005				
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019								<0.0005	<0.0005
3/22/2019				<0.0005	<0.0005		<0.0005		
3/23/2019	<0.0005	<0.0005	<0.0005			<0.0005			
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019									
9/16/2019								<0.0005	<0.0005
9/17/2019	<0.0005		<0.0005 (D)	<0.0005		<0.0005	<0.0005		
9/18/2019		<0.0005			<0.0005				
3/6/2020									
3/9/2020									
3/10/2020									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
3/11/2020									
3/12/2020	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/13/2020		<0.0005							
3/16/2020									
3/17/2020					<0.0005				
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020									
9/16/2020								<0.0005	
9/17/2020				<0.0005			<0.0005		<0.0005
9/21/2020	<0.0005		<0.0005			<0.0005			
9/22/2020		<0.0005			<0.0005				
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021								<0.0005	
3/18/2021		<0.0005		<0.0005			<0.0005		<0.0005
3/19/2021	<0.0005		<0.0005		<0.0005	<0.0005			
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021									
8/10/2021							<0.0005	<0.0005	<0.0005
8/11/2021	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005			
8/12/2021					<0.0005				
10/28/2021									
1/31/2022									
2/1/2022									
2/2/2022			<0.0005					<0.0005	<0.0005
2/3/2022									
2/4/2022	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005		
2/7/2022									
2/17/2022		<0.0005							
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022									
8/17/2022							<0.0005	<0.0005	<0.0005
8/18/2022	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005			
8/19/2022					<0.0005				
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023								<0.0005	
2/20/2023	0.00019 (J)			0.0003 (J)		0.00016 (J)	0.00028 (J)		
2/21/2023			<0.0005						<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-13	GWC-12	GWC-10R	GWC-13RZ	GWC-11R	GWC-10	GWC-6	GWC-9
2/22/2023		<0.0005			<0.0005				
3/16/2023									
7/25/2023									
7/26/2023									
7/27/2023									
7/28/2023									
7/31/2023				<0.0005			<0.0005	<0.0005	<0.0005
8/1/2023	<0.0005	<0.0005	<0.0005			<0.0005			
8/2/2023					<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
8/21/2007									
8/22/2007									
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/24/2007							<0.0005	<0.0005	
10/23/2007	<0.0005								
10/24/2007			<0.0005			<0.0005			
10/25/2007		<0.0005							
11/1/2007									
11/2/2007				<0.0005	<0.0005		<0.0005	<0.0005	
11/17/2007				<0.0005			<0.0005		
11/18/2007	<0.0005		<0.0005		<0.0005	<0.0005		<0.0005	
11/19/2007		<0.0005							
11/20/2007									
1/15/2008				<0.0005			<0.0005	<0.0005	
1/16/2008									
1/23/2008		<0.0005							
1/30/2008	<0.0005								
1/31/2008			<0.0005		<0.0005	<0.0005			
3/5/2008							<0.0005		
3/6/2008				<0.0005					
3/10/2008	<0.0005					<0.0005		<0.0005	
3/11/2008		<0.0005	<0.0005		<0.0005				
5/6/2008			0.000175						
5/7/2008				<0.0005			<0.0005		
5/8/2008									
5/12/2008		<0.0005							
5/13/2008	<0.0005					<0.0005		<0.0005	
5/14/2008					<0.0005				
12/2/2008				<0.0005			<0.0005	<0.0005	
12/4/2008			<0.0005			<0.0005			
12/5/2008	<0.0005				<0.0005				
12/11/2008		<0.0005							
12/12/2008									<0.0005
12/13/2008									
12/14/2008									
4/15/2009	<0.0005	<0.0005			<0.0005				
4/16/2009							<0.0005		
4/21/2009			<0.0005			<0.0005			
4/23/2009									<0.0005
4/28/2009				<0.0005				<0.0005	
4/29/2009									
10/6/2009									<0.0005
10/7/2009	<0.0005		<0.0005						
10/8/2009					<0.0005	<0.0005			
10/9/2009		<0.0005							
10/13/2009									
10/19/2009				<0.0005					
10/20/2009							<0.0005	<0.0005	
10/21/2009									
10/22/2009									
4/20/2010							<0.0005		
4/21/2010						<0.0005			

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
4/26/2010			<0.0005						
4/27/2010				<0.0005				<0.0005	
4/28/2010					<0.0005				
5/3/2010	<0.0005								<0.0005
5/4/2010		<0.0005							
9/28/2010						<0.0005			
9/29/2010							<0.0005		
9/30/2010									
10/4/2010			<0.0005	<0.0005					
10/5/2010								<0.0005	
10/6/2010					<0.0005				
10/11/2010									<0.0005
10/12/2010	<0.0005	<0.0005							
4/12/2011						<0.0005	<0.0005		
4/13/2011			<0.0005						
4/14/2011									
4/18/2011				<0.0005					
4/19/2011								<0.0005	
4/20/2011									
4/21/2011					<0.0005				
4/26/2011									
4/27/2011	<0.0005								<0.0005
4/28/2011		<0.0005							
10/4/2011						<0.0005	<0.0005		
10/5/2011			<0.0005						
10/12/2011				<0.0005				<0.0005	
10/13/2011					<0.0005				
10/17/2011	<0.0005								
10/18/2011									
10/19/2011		<0.0005							<0.0005
4/3/2012						<0.0005			
4/4/2012							<0.0005		
4/11/2012			<0.0005						
4/23/2012				<0.0005					
4/24/2012									
4/25/2012								<0.0005	
4/30/2012									
5/1/2012					<0.0005				<0.0005
5/2/2012	<0.0005	<0.0005							
10/2/2012									<0.0005
10/3/2012									
10/8/2012	<0.0005								
10/9/2012		<0.0005	<0.0005		<0.0005	<0.0005			
10/10/2012				<0.0005			<0.0005	<0.0005	
4/2/2013									
4/3/2013									
4/8/2013									
4/9/2013									
4/10/2013									<0.0005
4/11/2013		<0.0005			<0.0005	<0.0005			
4/12/2013	<0.0005								
4/15/2013			<0.0005	<0.0005			<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
4/16/2013								<0.0005	
10/8/2013									
10/9/2013									
10/15/2013			<0.0005						
10/16/2013	<0.0005	<0.0005			<0.0005	<0.0005			<0.0005
10/22/2013				<0.0005			<0.0005	<0.0005	
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014						<0.0005			
4/11/2014	<0.0005								
4/14/2014									
4/21/2014				<0.0005			<0.0005	<0.0005	
4/22/2014			<0.0005						<0.0005
4/23/2014		<0.0005			<0.0005				
9/30/2014	<0.0005		<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
10/1/2014									<0.0005
10/2/2014									
10/3/2014		3.71E-05 (J)							
10/4/2014					<0.0005				
3/30/2015	<0.0005		<0.0005			<0.0005			<0.0005
3/31/2015		<0.0005			<0.0005				
4/1/2015									
4/2/2015									
4/3/2015				<0.0005			<0.0005	<0.0005	
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015								<0.0005	
10/7/2015				<0.0005			<0.0005		
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									<0.0005
10/12/2015		<0.0005			<0.0005				
10/13/2015	<0.0005		<0.0005			<0.0005			
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016	<0.0005								
3/23/2016			<0.0005		<0.0005	<0.0005			
3/28/2016		<0.0005							<0.0005
3/29/2016									
3/30/2016									
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
4/4/2016									
4/5/2016				<0.0005			<0.0005	<0.0005	
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.0005					<0.0005			
5/20/2016			<0.0005						
5/23/2016					<0.0005				
5/24/2016									
5/25/2016		<0.0005							<0.0005
5/26/2016									
5/27/2016									
5/31/2016				<0.0005				<0.0005	
6/1/2016							<0.0005		
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.0005		<0.0005		<0.0005	<0.0005			
8/1/2016		<0.0005							<0.0005
8/2/2016									
8/3/2016									
8/4/2016				<0.0005					
8/5/2016									
8/9/2016							<0.0005		
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016					<0.0005	<0.0005			
9/23/2016	<0.0005		<0.0005						
9/26/2016									<0.0005
9/27/2016		<0.0005							
9/28/2016									
9/29/2016				<0.0005					
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	<0.0005		<0.0005						
11/10/2016					<0.0005	<0.0005			
11/11/2016		<0.0005							<0.0005
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016				5E-05 (J)				6E-05 (J)	
11/28/2016							<0.0005		
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017	<0.0005								<0.0005
1/31/2017		<0.0005	<0.0005		<0.0005	<0.0005			
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017							<0.0005		
2/10/2017				<0.0005				<0.0005	
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	<0.0005		<0.0005		<0.0005				
4/3/2017		<0.0005				<0.0005			<0.0005
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017							<0.0005	<0.0005	
4/12/2017				<0.0005					
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.0005					<0.0005			
6/12/2017		<0.0005	<0.0005		<0.0005				<0.0005
6/13/2017									
6/14/2017							<0.0005		
6/15/2017				<0.0005				<0.0005	
6/16/2017									
7/12/2017							<0.0005	<0.0005	
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017								<0.0005	
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.0005		<0.0005			<0.0005			<0.0005
10/3/2017		<0.0005							
10/4/2017					<0.0005				
10/5/2017							<0.0005		
10/6/2017				<0.0005				<0.0005	
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018	<0.0005					<0.0005			<0.0005
3/19/2018		<0.0005	<0.0005		<0.0005				
3/20/2018									
3/21/2018									
3/22/2018							<0.0005		
3/23/2018				<0.0005				<0.0005	
9/12/2018									
9/13/2018									
9/14/2018			<0.0005			<0.0005			
9/17/2018	<0.0005 (D)	<0.0005			<0.0005				
9/18/2018									<0.0005
9/19/2018				<0.0005			<0.0005	<0.0005	
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019						<0.0005			<0.0005
3/20/2019	<0.0005	<0.0005	<0.0005		<0.0005				
3/21/2019									
3/22/2019							<0.0005	<0.0005	
3/23/2019									
3/25/2019				<0.0005					
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019	<0.0005		<0.0005 (D)						<0.0005
9/13/2019					<0.0005	<0.0005			
9/16/2019		<0.0005							
9/17/2019				<0.0005			<0.0005	<0.0005	
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
3/11/2020	<0.0005		<0.0005		<0.0005	<0.0005			<0.0005
3/12/2020									
3/13/2020				<0.0005			<0.0005	<0.0005	
3/16/2020		<0.0005							
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.0005		<0.0005			<0.0005			<0.0005
9/16/2020		<0.0005							
9/17/2020									
9/21/2020				<0.0005			<0.0005	<0.0005	
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021	<0.0005					<0.0005			
3/17/2021		<0.0005	<0.0005						<0.0005
3/18/2021				<0.0005			<0.0005	<0.0005	
3/19/2021									
3/29/2021					<0.0005				
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005			<0.0005
8/10/2021									
8/11/2021				<0.0005			<0.0005	<0.0005	
8/12/2021									
10/28/2021									
1/31/2022									
2/1/2022	<0.0005		<0.0005			<0.0005			
2/2/2022		<0.0005			<0.0005				<0.0005
2/3/2022									
2/4/2022				<0.0005			<0.0005		
2/7/2022								<0.0005	
2/17/2022									
4/28/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.0005	<0.0005	<0.0005		<0.0005	<0.0005			
8/17/2022									<0.0005
8/18/2022							<0.0005		
8/19/2022				<0.0005				<0.0005	
2/13/2023									
2/14/2023									
2/16/2023	0.00017 (J)		0.00013 (J)			<0.0005			<0.0005
2/17/2023					0.00013 (J)				
2/20/2023		<0.0005							
2/21/2023									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-5	GWA-2 (bg)	GWC-15R	GWA-3A (bg)	GWA-2R (bg)	GWC-14Z	GWC-15Z	GWA-50R (bg)
2/22/2023				<0.0005			<0.0005	<0.0005	
3/16/2023									
7/25/2023									
7/26/2023									
7/27/2023	<0.0005		<0.0005			<0.0005			
7/28/2023		<0.0005							<0.0005
7/31/2023									
8/1/2023					<0.0005		<0.0005	<0.0005	
8/2/2023				<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
8/21/2007									
8/22/2007									
8/23/2007									
8/24/2007									
10/23/2007									
10/24/2007									
10/25/2007									
11/1/2007									
11/2/2007									
11/17/2007									
11/18/2007									
11/19/2007									
11/20/2007									
1/15/2008									
1/16/2008									
1/23/2008									
1/30/2008									
1/31/2008									
3/5/2008									
3/6/2008									
3/10/2008									
3/11/2008									
5/6/2008									
5/7/2008									
5/8/2008									
5/12/2008									
5/13/2008									
5/14/2008									
12/2/2008									
12/4/2008									
12/5/2008									
12/11/2008									
12/12/2008	<0.0005								
12/13/2008									
12/14/2008									
4/15/2009									
4/16/2009									
4/21/2009									
4/23/2009	<0.0005								
4/28/2009									
4/29/2009									
10/6/2009	<0.0005								
10/7/2009									
10/8/2009									
10/9/2009									
10/13/2009									
10/19/2009									
10/20/2009									
10/21/2009									
10/22/2009									
4/20/2010									
4/21/2010									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
4/26/2010									
4/27/2010	<0.0005								
4/28/2010									
5/3/2010									
5/4/2010									
9/28/2010									
9/29/2010									
9/30/2010	<0.0005								
10/4/2010									
10/5/2010									
10/6/2010									
10/11/2010									
10/12/2010									
4/12/2011									
4/13/2011									
4/14/2011	<0.0005								
4/18/2011									
4/19/2011									
4/20/2011									
4/21/2011									
4/26/2011									
4/27/2011									
4/28/2011									
10/4/2011									
10/5/2011	<0.0005								
10/12/2011									
10/13/2011									
10/17/2011									
10/18/2011		<0.0005							
10/19/2011									
4/3/2012									
4/4/2012									
4/11/2012	<0.0005								
4/23/2012									
4/24/2012									
4/25/2012									
4/30/2012		<0.0005							
5/1/2012									
5/2/2012									
10/2/2012	<0.0005								
10/3/2012		<0.0005							
10/8/2012									
10/9/2012									
10/10/2012									
4/2/2013									
4/3/2013									
4/8/2013		<0.0005							
4/9/2013	<0.0005								
4/10/2013									
4/11/2013									
4/12/2013									
4/15/2013									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
4/16/2013									
10/8/2013									
10/9/2013		<0.0005							
10/15/2013	<0.0005								
10/16/2013									
10/22/2013									
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014	<0.0005	<0.0005							
4/11/2014									
4/14/2014									
4/21/2014									
4/22/2014									
4/23/2014									
9/30/2014									
10/1/2014	<0.0005								
10/2/2014		3.83E-05 (J)							
10/3/2014									
10/4/2014									
3/30/2015	2.02E-05 (J)								
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015		<0.0005							
5/26/2015			<0.0005	<0.0005					
6/18/2015			<0.0005 (D)	<0.0005 (D)					
7/2/2015			<0.0005	<0.0005					
8/13/2015				<0.0005 (D)					
8/14/2015			<0.0005 (D)						
10/6/2015									
10/7/2015									
10/8/2015		<0.0005	<0.0005						
10/9/2015				<0.0005					
10/10/2015									
10/11/2015	<0.0005								
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016					<0.0005	<0.0005	<0.0005	<0.0005	
3/11/2016									<0.0005
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016			<0.0005						
3/23/2016									
3/28/2016	<0.0005								
3/29/2016				<0.0005					
3/30/2016		<0.0005							
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									<0.0005
5/17/2016							<0.0005	<0.0005	
5/18/2016					<0.0005	<0.0005			
5/19/2016									
5/20/2016									
5/23/2016	<0.0005								
5/24/2016		<0.0005		<0.0005					
5/25/2016			<0.0005						
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									<0.0005
7/25/2016									
7/26/2016								<0.0005	
7/27/2016					<0.0005	<0.0005	<0.0005		
7/28/2016									
7/29/2016									
8/1/2016	<0.0005			<0.0005					
8/2/2016		<0.0005	<0.0005						
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									<0.0005
9/20/2016					<0.0005	<0.0005	<0.0005	<0.0005	
9/21/2016									
9/22/2016									
9/23/2016									
9/26/2016	<0.0005		<0.0005	<0.0005					
9/27/2016		<0.0005							
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									<0.0005
11/4/2016					<0.0005		<0.0005	<0.0005	
11/7/2016						<0.0005			
11/9/2016									
11/10/2016	<0.0005								
11/11/2016									
11/14/2016				<0.0005					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
11/18/2016									
11/21/2016			<0.0005						
11/22/2016		8E-05 (J)							
11/23/2016									
11/28/2016									
1/17/2017									<0.0005
1/18/2017									
1/19/2017									
1/20/2017					<0.0005			<0.0005	
1/23/2017						<0.0005	<0.0005		
1/24/2017									
1/30/2017	<0.0005								
1/31/2017									
2/1/2017				<0.0005					
2/3/2017			<0.0005						
2/6/2017		<0.0005							
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									<0.0005
3/28/2017							<0.0005	<0.0005	
3/29/2017					<0.0005 (*)	<0.0005 (*)			
3/30/2017									
4/3/2017									
4/6/2017		<0.0005		<0.0005					
4/7/2017	<0.0005		<0.0005						
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017								<0.0005	<0.0005
6/8/2017					<0.0005	<0.0005	<0.0005		
6/9/2017									
6/12/2017	<0.0005								
6/13/2017			<0.0005	<0.0005					
6/14/2017		<0.0005							
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									<0.0005
9/27/2017					<0.0005	<0.0005			
9/29/2017							<0.0005	<0.0005	
10/2/2017	<0.0005								
10/3/2017			<0.0005	<0.0005					
10/4/2017		<0.0005							
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									<0.0005
3/15/2018						<0.0005	<0.0005	<0.0005	
3/16/2018	<0.0005				<0.0005				
3/19/2018									
3/20/2018			<0.0005	<0.0005					
3/21/2018		<0.0005							
3/22/2018									
3/23/2018									
9/12/2018									
9/13/2018					<0.0005	<0.0005	6.2E-05 (J)	<0.0005	
9/14/2018									3.8E-05 (J)
9/17/2018	<0.0005			<0.0005					
9/18/2018		<0.0005	<0.0005						
9/19/2018									
9/20/2018									
3/13/2019									
3/14/2019									<0.0005
3/15/2019						<0.0005	<0.0005		
3/18/2019								<0.0005	
3/19/2019	<0.0005				5E-05 (J)				
3/20/2019									
3/21/2019				<0.0005					
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019		<0.0005							
5/6/2019			<0.0005						
9/9/2019									
9/10/2019									<0.0005
9/11/2019					<0.0005		<0.0005 (D)	<0.0005	
9/12/2019						<0.0005			
9/13/2019	<0.0005								
9/16/2019		<0.0005 (D)	<0.0005	<0.0005					
9/17/2019									
9/18/2019									
3/6/2020									<0.0005
3/9/2020					<0.0005	<0.0005	<0.0005		
3/10/2020								<0.0005	

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
3/11/2020	<0.0005								
3/12/2020		<0.0005		<0.0005					
3/13/2020									
3/16/2020			<0.0005						
3/17/2020									
9/10/2020									<0.0005
9/11/2020									
9/14/2020						<0.0005	0.00015 (J)	<0.0005	
9/15/2020					<0.0005				
9/16/2020	<0.0005			<0.0005					
9/17/2020		<0.0005	<0.0005						
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021					<0.0005	<0.0005	0.0002 (J)	<0.0005	<0.0005
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021	<0.0005	<0.0005		<0.0005					
3/18/2021			<0.0005						
3/19/2021									
3/29/2021									
8/4/2021							0.0005		8E-05 (J)
8/5/2021					0.00023	0.00021		0.00015 (J)	
8/6/2021									
8/9/2021	<0.0005								
8/10/2021		<0.0005	<0.0005	<0.0005					
8/11/2021									
8/12/2021									
10/28/2021					<0.0005	<0.0005			
1/31/2022							0.00039	<0.0005	<0.0005
2/1/2022	<0.0005				<0.0005	<0.0005			
2/2/2022		<0.0005	<0.0005	<0.0005					
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022							0.0004		
8/10/2022									<0.0005
8/11/2022									
8/12/2022									
8/15/2022					<0.0005	<0.0005	0.00038	<0.0005	
8/16/2022	<0.0005								
8/17/2022		<0.0005	<0.0005	<0.0005					
8/18/2022									
8/19/2022									
2/13/2023									0.00014 (J)
2/14/2023					0.00013 (J)	<0.0005	0.00064	<0.0005	
2/16/2023	<0.0005								
2/17/2023				<0.0005					
2/20/2023			<0.0005						
2/21/2023		<0.0005							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50 (bg)	GWC-8RR	GWC-8Z	GWC-6RZ	GWC-47R	GWC-47	GWC-48	GWC-46R	GWA-42 (bg)
2/22/2023									
3/16/2023							0.00045		
7/25/2023									
7/26/2023							0.00064	<0.0005	<0.0005
7/27/2023					<0.0005	<0.0005			
7/28/2023	<0.0005			<0.0005					
7/31/2023		<0.0005	<0.0005						
8/1/2023									
8/2/2023									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44
4/16/2013									
10/8/2013									
10/9/2013									
10/15/2013									
10/16/2013									
10/22/2013									
4/1/2014									
4/2/2014									
4/9/2014									
4/10/2014									
4/11/2014									
4/14/2014									
4/21/2014									
4/22/2014									
4/23/2014									
9/30/2014									
10/1/2014									
10/2/2014									
10/3/2014									
10/4/2014									
3/30/2015									
3/31/2015									
4/1/2015									
4/2/2015									
4/3/2015									
5/26/2015									
6/18/2015									
7/2/2015									
8/13/2015									
8/14/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.0005	<0.0005							
3/14/2016			<0.0005						
3/15/2016				<0.0005	<0.0005	<0.0005			
3/16/2016							<0.0005	<0.0005	<0.0005
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44
4/4/2016									
4/5/2016									
5/11/2016			<0.0005			<0.0005			
5/12/2016					<0.0005				
5/13/2016	<0.0005	<0.0005		<0.0005					
5/16/2016							<0.0005 (D)	<0.0005 (D)	<0.0005
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016	<0.0005	<0.0005	<0.0005						
7/20/2016					<0.0005				
7/21/2016				<0.0005		<0.0005			
7/22/2016									
7/25/2016							<0.0005 (D)	<0.0005 (D)	<0.0005
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.0005		<0.0005	<0.0005			
9/16/2016	<0.0005	<0.0005							
9/19/2016							<0.0005 (D)	<0.0005 (D)	<0.0005
9/20/2016									
9/21/2016				<0.0005					
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.0005	<0.0005	<0.0005						
11/3/2016				<0.0005	<0.0005	<0.0005	<0.0005 (D)		<0.0005
11/4/2016								<0.0005 (D)	
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017				<0.0005		<0.0005			
1/18/2017	<0.0005	<0.0005	<0.0005		<0.0005				
1/19/2017									<0.0005
1/20/2017							<0.0005 (D)		
1/23/2017								<0.0005 (D)	
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017					<0.0005	<0.0005			
3/27/2017				<0.0005					
3/28/2017	<0.0005	<0.0005	<0.0005						<0.0005
3/29/2017							0.000285 (*JD)	0.000285 (J*D)	
3/30/2017									
4/3/2017									
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017						<0.0005			
6/5/2017									<0.0005
6/6/2017	<0.0005	<0.0005		<0.0005	<0.0005				
6/7/2017			<0.0005				<0.0005	<0.0005	
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.0005	<0.0005							
9/25/2017				<0.0005	<0.0005				
9/26/2017			<0.0005			<0.0005			<0.0005
9/27/2017							<0.0005	<0.0005	
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005			
3/15/2018		<0.0005					<0.0005	<0.0005	<0.0005
3/16/2018									
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.0005	3.9E-05 (J)	<0.0005	<0.0005	<0.0005	3.8E-05 (J)			<0.0005
9/13/2018							<0.0005	<0.0005	
9/14/2018									
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019	<0.0005	<0.0005				<0.0005			
3/14/2019				<0.0005	<0.0005		<0.0005 (D)	<0.0005 (D)	<0.0005
3/15/2019			<0.0005						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.0005			<0.0005			
9/10/2019				<0.0005	<0.0005 (D)				
9/11/2019	<0.0005	<0.0005					<0.0005 (D)	<0.0005 (D)	<0.0005
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020					<0.0005				
3/9/2020	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005			
3/10/2020							<0.0005	<0.0005	<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020			<0.0005	<0.0005	<0.0005				
9/11/2020	<0.0005					<0.0005	<0.0005	<0.0005	
9/14/2020		<0.0005							
9/15/2020									<0.0005
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021				<0.0005		<0.0005			
3/11/2021	<0.0005	<0.0005			<0.0005		<0.0005	<0.0005	<0.0005
3/12/2021			<0.0005						
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021			0.00012 (J)	9.4E-05 (J)	9E-05 (J)	9.4E-05 (J)			8.7E-05 (J)
8/5/2021		9.6E-05 (J)							
8/6/2021	<0.0005						<0.0005	<0.0005	
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021									
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			<0.0005
2/1/2022							<0.0005	<0.0005	
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022									
8/10/2022		<0.0005	<0.0005						
8/11/2022	<0.0005			<0.0005	<0.0005				
8/12/2022						<0.0005	<0.0005	<0.0005	
8/15/2022									<0.0005
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023		<0.0005	<0.0005	0.00013 (J)	0.00017 (J)	<0.0005			
2/14/2023	<0.0005						<0.0005	<0.0005	<0.0005
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-40 (bg)	GWC-45R	GWC-45	GWC-44
2/22/2023									
3/16/2023									
7/25/2023	<0.0005	<0.0005		<0.0005	<0.0005				
7/26/2023			<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
7/27/2023									
7/28/2023									
7/31/2023									
8/1/2023									
8/2/2023									

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/21/2007				
8/22/2007				
8/23/2007				
8/24/2007				
10/23/2007				
10/24/2007				
10/25/2007				
11/1/2007				
11/2/2007				
11/17/2007				
11/18/2007				
11/19/2007				
11/20/2007				
1/15/2008				
1/16/2008				
1/23/2008				
1/30/2008				
1/31/2008				
3/5/2008				
3/6/2008				
3/10/2008				
3/11/2008				
5/6/2008				
5/7/2008				
5/8/2008				
5/12/2008				
5/13/2008				
5/14/2008				
12/2/2008				
12/4/2008				
12/5/2008				
12/11/2008				
12/12/2008				
12/13/2008				
12/14/2008				
4/15/2009				
4/16/2009				
4/21/2009				
4/23/2009				
4/28/2009				
4/29/2009				
10/6/2009				
10/7/2009				
10/8/2009				
10/9/2009				
10/13/2009				
10/19/2009				
10/20/2009				
10/21/2009				
10/22/2009				
4/20/2010				
4/21/2010				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/26/2010					
4/27/2010					
4/28/2010					
5/3/2010					
5/4/2010					
9/28/2010					
9/29/2010					
9/30/2010					
10/4/2010					
10/5/2010					
10/6/2010					
10/11/2010					
10/12/2010					
4/12/2011					
4/13/2011					
4/14/2011					
4/18/2011					
4/19/2011					
4/20/2011					
4/21/2011					
4/26/2011					
4/27/2011					
4/28/2011					
10/4/2011					
10/5/2011					
10/12/2011					
10/13/2011					
10/17/2011					
10/18/2011					
10/19/2011					
4/3/2012					
4/4/2012					
4/11/2012					
4/23/2012					
4/24/2012					
4/25/2012					
4/30/2012					
5/1/2012					
5/2/2012					
10/2/2012					
10/3/2012					
10/8/2012					
10/9/2012					
10/10/2012					
4/2/2013					
4/3/2013					
4/8/2013					
4/9/2013					
4/10/2013					
4/11/2013					
4/12/2013					
4/15/2013					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/16/2013					
10/8/2013					
10/9/2013					
10/15/2013					
10/16/2013					
10/22/2013					
4/1/2014					
4/2/2014					
4/9/2014					
4/10/2014					
4/11/2014					
4/14/2014					
4/21/2014					
4/22/2014					
4/23/2014					
9/30/2014					
10/1/2014					
10/2/2014					
10/3/2014					
10/4/2014					
3/30/2015					
3/31/2015					
4/1/2015					
4/2/2015					
4/3/2015					
5/26/2015					
6/18/2015					
7/2/2015					
8/13/2015					
8/14/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.0005	<0.0005			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.0005 (D)		
5/17/2016					
5/18/2016	<0.0005	<0.0005			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.0005	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	<0.0005		<0.0005 (D)		
7/28/2016		<0.0005			
7/29/2016					
8/1/2016					
8/2/2016				<0.0005	
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.0005	<0.0005			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.0005	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016	<0.0005				
11/7/2016		<0.0005			
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
11/18/2016					
11/21/2016				<0.0005	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	5E-05 (J)	5E-05 (J)			
1/30/2017					
1/31/2017					
2/1/2017				<0.0005	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.0005		
2/22/2017					<0.0005
3/24/2017					
3/27/2017			<0.0005 (D)		
3/28/2017					
3/29/2017	<0.0005 (*)				
3/30/2017		<0.0005 (*)			
4/3/2017					
4/6/2017				<0.0005	
4/7/2017					<0.0005
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	<0.0005		<0.0005 (D)		
6/9/2017		<0.0005			
6/12/2017					
6/13/2017				<0.0005	
6/14/2017					0.000286 (JD)
6/15/2017					
6/16/2017					
7/12/2017					<0.0005 (D)
7/14/2017				<0.0005	
7/17/2017			<0.0005 (D)		
7/20/2017					<0.0005 (D)
7/26/2017					
7/27/2017			<0.0005		
7/28/2017					<0.0005

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/9/2017			<0.0005		<0.0005
8/10/2017					
8/24/2017					<0.0005
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	4E-05 (J)	<0.0005	<0.0005 (D)		
10/2/2017					
10/3/2017				<0.0005	<0.0005 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.0005	<0.0005			
3/16/2018			<0.0005		
3/19/2018					
3/20/2018				<0.0005	
3/21/2018					<0.0005
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018	<0.0005				
9/14/2018		<0.0005	4.1E-05 (J)		
9/17/2018					
9/18/2018				<0.0005	<0.0005
9/19/2018					
9/20/2018					
3/13/2019					
3/14/2019			<0.0005		
3/15/2019					
3/18/2019	<0.0005				
3/19/2019		4.5E-05 (J)			
3/20/2019					
3/21/2019				<0.0005	<0.0005 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.0005	<0.0005			
9/12/2019					<0.0005 (D)
9/13/2019				<0.0005	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020		<0.0005	<0.0005		
3/10/2020					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/11/2020	<0.0005				
3/12/2020				<0.0005	<0.0005
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020	<0.0005				
9/14/2020		<0.0005			
9/15/2020					
9/16/2020			<0.0005	<0.0005	
9/17/2020					<0.0005
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.0005	<0.0005			
3/16/2021			<0.0005		<0.0005
3/17/2021				<0.0005	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021		0.0002			
8/6/2021			<0.0005		
8/9/2021					
8/10/2021				<0.0005	<0.0005
8/11/2021	<0.0005				
8/12/2021					
10/28/2021					
1/31/2022					
2/1/2022	<0.0005	<0.0005			
2/2/2022			<0.0005	<0.0005	
2/3/2022					<0.0005
2/4/2022					
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.0005	<0.0005			
8/16/2022			<0.0005		
8/17/2022				<0.0005	<0.0005
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.0005	<0.0005	<0.0005		
2/16/2023					
2/17/2023					<0.0005
2/20/2023				<0.0005	
2/21/2023					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49Z	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
2/22/2023					
3/16/2023					
7/25/2023			<0.0005		
7/26/2023					
7/27/2023	<0.0005	<0.0005			
7/28/2023					<0.0005
7/31/2023				<0.0005	
8/1/2023					
8/2/2023					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
3/30/2015	7E-05								
10/6/2015		0.0005 (D)							
10/7/2015			<0.001 (D)	<0.001 (D)					
10/8/2015					0.0001 (D)	<0.001 (D)			
10/9/2015							<0.001	<0.001	
10/10/2015									<0.001
10/11/2015									
10/12/2015									
10/13/2015	<0.001								
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016					<0.001				
3/23/2016	<0.001								
3/28/2016									
3/29/2016							<0.001	<0.001	
3/30/2016						<0.001			<0.001
3/31/2016									
4/4/2016									
4/5/2016		0.00036 (J)	<0.001	<0.001					
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	<0.001								
5/20/2016									
5/23/2016									
5/24/2016						<0.001	<0.001	<0.001	
5/25/2016					<0.001				
5/26/2016									<0.001
5/27/2016									
5/31/2016		0.000373 (J)		<0.001					
6/1/2016			<0.001						
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	<0.001								
8/1/2016							<0.001	<0.001	
8/2/2016					<0.001	<0.001			
8/3/2016									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
8/4/2016				<0.001					
8/5/2016									<0.001
8/9/2016			<0.001						
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	<0.001								
9/23/2016									
9/26/2016					<0.001		<0.001	<0.001	
9/27/2016						<0.001			
9/28/2016									<0.001
9/29/2016				<0.001					
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016	<0.001								
11/11/2016									
11/14/2016							<0.001		
11/18/2016								<0.001	
11/21/2016					<0.001				<0.001
11/22/2016						<0.001			
11/23/2016		<0.001		<0.001					
11/28/2016			<0.001						
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017									
1/31/2017	<0.001								
2/1/2017							<0.001	<0.001	
2/3/2017					<0.001				
2/6/2017						<0.001			<0.001
2/7/2017									
2/8/2017									
2/9/2017			<0.001						
2/10/2017		<0.001		<0.001					
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017									
4/3/2017	<0.001								

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
4/6/2017									
4/7/2017					<0.001	<0.001	<0.001	5E-05 (J)	<0.001
4/10/2017									
4/11/2017		<0.001	<0.001						
4/12/2017				<0.001					
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017	<0.001								
6/12/2017									
6/13/2017					7E-05 (J)		<0.001	<0.001	<0.001
6/14/2017			<0.001			<0.001			
6/15/2017		<0.001		<0.001					
6/16/2017									
7/12/2017		<0.001	<0.001						
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017		<0.001							
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	<0.001								
10/3/2017					<0.001		<0.001	<0.001	<0.001
10/4/2017						<0.001			
10/5/2017			<0.001						
10/6/2017		<0.001		<0.001					
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018	<0.001								
3/19/2018								<0.001	
3/20/2018					<0.001		<0.001		<0.001
3/21/2018						<0.001			
3/22/2018			<0.001						
3/23/2018		<0.001		<0.001					
9/12/2018									
9/13/2018									
9/14/2018	<0.001								
9/17/2018							<0.001	<0.001	
9/18/2018					<0.001	<0.001			<0.001 (D)
9/19/2018		<0.001	<0.001	<0.001					
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019	<0.001								
3/20/2019									
3/21/2019							<0.001	<0.001	<0.001
3/22/2019		<0.001	<0.001						
3/23/2019									
3/25/2019				<0.001					
3/27/2019						<0.001			
5/6/2019					<0.001				
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019	6.2E-05 (J)								
9/16/2019					<0.001	<0.001 (D)	<0.001	<0.001	<0.001
9/17/2019		<0.001	<0.001	<0.001					
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020	<0.001								
3/12/2020						<0.001	<0.001	<0.001	<0.001
3/13/2020		<0.001	<0.001	<0.001					
3/16/2020					<0.001				
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020	<0.001								
9/16/2020							<0.001	<0.001	
9/17/2020					<0.001	<0.001			<0.001
9/21/2020		<0.001	<0.001	<0.001					
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021	<0.001								
3/17/2021						<0.001	<0.001	<0.001	
3/18/2021		<0.001	<0.001	<0.001	<0.001				<0.001
3/19/2021									
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021	<0.001								
8/10/2021					<0.001	<0.001	<0.001	<0.001	<0.001
8/11/2021		<0.001	<0.001	<0.001					
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWC-15Z	GWC-14Z	GWC-15R	GWC-8Z	GWC-8RR	GWC-6RZ	GWC-6	GWC-9
1/31/2022									
2/1/2022	<0.001								
2/2/2022					<0.001	<0.001	<0.001	<0.001	<0.001
2/3/2022									
2/4/2022			<0.001	<0.001					
2/7/2022		<0.001							
2/17/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022	<0.001								
8/17/2022					<0.001	<0.001	<0.001	<0.001	<0.001
8/18/2022			<0.001						
8/19/2022		<0.001		<0.001					
2/13/2023									
2/14/2023									
2/16/2023	<0.001								
2/17/2023							<0.001	<0.001	
2/20/2023					<0.001				
2/21/2023						<0.001			<0.001
2/22/2023		<0.001	<0.001	<0.001					
7/25/2023									
7/26/2023									
7/27/2023	<0.001								
7/28/2023							<0.001		
7/31/2023					<0.001	<0.001		<0.001	<0.001
8/1/2023		<0.001	<0.001						
8/2/2023				<0.001					

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Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWA-50 (bg)	GWA-50R (bg)	GWC-11	GWC-11R	GWC-5	GWC-10R	GWA-3A (bg)	GWA-2 (bg)
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015	<0.001								
10/11/2015		<0.001	<0.001	<0.001	0.0002				
10/12/2015						<0.001	<0.001	<0.001	
10/13/2015									<0.001
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016								<0.001	<0.001
3/28/2016		<0.001	<0.001			<0.001			
3/29/2016									
3/30/2016									
3/31/2016	<0.001						<0.001		
4/4/2016				<0.001	<0.001				
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									<0.001
5/23/2016		<0.001						<0.001	
5/24/2016									
5/25/2016			<0.001			<0.001			
5/26/2016	<0.001			<0.001	<0.001		<0.001		
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016								<0.001	<0.001
8/1/2016		<0.001	<0.001			<0.001			
8/2/2016									
8/3/2016				<0.001			0.0001 (J)		

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWA-50 (bg)	GWA-50R (bg)	GWC-11	GWC-11R	GWC-5	GWC-10R	GWA-3A (bg)	GWA-2 (bg)
8/4/2016					<0.001				
8/5/2016	<0.001								
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016								<0.001	
9/23/2016									<0.001
9/26/2016		<0.001	<0.001						
9/27/2016						<0.001			
9/28/2016	<0.001			<0.001	<0.001		<0.001		
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									<0.001
11/10/2016		<0.001						<0.001	
11/11/2016			<0.001			<0.001			
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016	<0.001			<0.001	<0.001		<0.001		
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017		<0.001	<0.001						
1/31/2017						<0.001		<0.001	<0.001
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017	<0.001						<0.001		
2/8/2017				<0.001	<0.001				
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017								<0.001	<0.001
4/3/2017			<0.001			<0.001			

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWA-50 (bg)	GWA-50R (bg)	GWC-11	GWC-11R	GWC-5	GWC-10R	GWA-3A (bg)	GWA-2 (bg)
4/6/2017									
4/7/2017		<0.001							
4/10/2017	<0.001			<0.001	<0.001		<0.001		
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017									
6/12/2017		<0.001	<0.001			<0.001		<0.001	<0.001
6/13/2017									
6/14/2017	<0.001						<0.001		
6/15/2017				<0.001	<0.001				
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017		<0.001	<0.001						<0.001
10/3/2017						<0.001			
10/4/2017	<0.001			<0.001	<0.001		<0.001	<0.001	
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018									
3/15/2018									
3/16/2018		<0.001	<0.001						
3/19/2018						<0.001		<0.001	<0.001
3/20/2018	<0.001								
3/21/2018				<0.001			<0.001		
3/22/2018					<0.001				
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018									<0.001
9/17/2018		<0.001				<0.001		<0.001	
9/18/2018	<0.001		<0.001	<0.001	<0.001		<0.001		
9/19/2018									
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWA-50 (bg)	GWA-50R (bg)	GWC-11	GWC-11R	GWC-5	GWC-10R	GWA-3A (bg)	GWA-2 (bg)
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019		<0.001	<0.001						
3/20/2019						<0.001		<0.001	<0.001
3/21/2019									
3/22/2019	<0.001						<0.001		
3/23/2019				<0.001	<0.001				
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019			<0.001						<0.001 (D)
9/13/2019		<0.001						<0.001	
9/16/2019						8.4E-05 (J)			
9/17/2019	<0.001			<0.001	<0.001		<0.001		
9/18/2019									
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020		<0.001	5.9E-05 (J)					<0.001	<0.001
3/12/2020	<0.001			<0.001	<0.001		5.4E-05 (J)		
3/13/2020									
3/16/2020						<0.001			
3/17/2020									
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020			<0.001						<0.001
9/16/2020		<0.001				<0.001			
9/17/2020	<0.001						<0.001		
9/21/2020				<0.001	<0.001				
9/22/2020									
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021		<0.001	<0.001			<0.001			<0.001
3/18/2021	<0.001						<0.001		
3/19/2021				<0.001	<0.001				
3/29/2021								<0.001	
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021		<0.001	<0.001			<0.001		<0.001	<0.001
8/10/2021	<0.001								
8/11/2021				<0.001	<0.001		<0.001		
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWA-50 (bg)	GWA-50R (bg)	GWC-11	GWC-11R	GWC-5	GWC-10R	GWA-3A (bg)	GWA-2 (bg)
1/31/2022									
2/1/2022		<0.001							<0.001
2/2/2022			<0.001			<0.001		<0.001	
2/3/2022									
2/4/2022	<0.001			<0.001	<0.001		<0.001		
2/7/2022									
2/17/2022									
8/10/2022									
8/11/2022									
8/12/2022									
8/15/2022									
8/16/2022		<0.001				<0.001		<0.001	<0.001
8/17/2022	<0.001		<0.001						
8/18/2022				<0.001	<0.001		<0.001		
8/19/2022									
2/13/2023									
2/14/2023									
2/16/2023		<0.001	<0.001						<0.001
2/17/2023								<0.001	
2/20/2023	<0.001			<0.001	<0.001	<0.001	<0.001		
2/21/2023									
2/22/2023									
7/25/2023									
7/26/2023									
7/27/2023									<0.001
7/28/2023		<0.001	<0.001			<0.001			
7/31/2023	<0.001						<0.001		
8/1/2023				<0.001	<0.001			<0.001	
8/2/2023									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-13RZ	GWC-12	GWC-13	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-42 (bg)
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015	<0.001								
10/14/2015		<0.001	<0.001						
10/15/2015				<0.001					
3/10/2016					<0.001	0.00116	<0.001	<0.001	
3/11/2016									<0.001
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016	<0.001								
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016		<0.001	<0.001	<0.001					
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									<0.001
5/17/2016					<0.001			<0.001	
5/18/2016						0.000768 (J)	<0.001		
5/19/2016	<0.001								
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016			<0.001						
5/31/2016				<0.001					
6/1/2016		<0.001							
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									0.0002 (J)
7/25/2016									
7/26/2016								7E-05 (J)	
7/27/2016					9E-05 (J)	0.0004 (J)	9E-05 (J)		
7/28/2016									
7/29/2016	<0.001								
8/1/2016									
8/2/2016									
8/3/2016			<0.001						

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-13RZ	GWC-12	GWC-13	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-42 (bg)
8/4/2016				<0.001					
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									<0.001
9/20/2016					<0.001	0.0004 (J)	<0.001	<0.001	
9/21/2016									
9/22/2016									
9/23/2016	<0.001								
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016				<0.001					
9/30/2016			<0.001						
11/2/2016									
11/3/2016									<0.001
11/4/2016					<0.001	0.0003 (J)		<0.001	
11/7/2016							<0.001		
11/9/2016	<0.001								
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016			<0.001						
11/23/2016									
11/28/2016				<0.001					
1/17/2017									<0.001
1/18/2017									
1/19/2017									
1/20/2017						0.0003 (J)		<0.001	
1/23/2017					<0.001		<0.001		
1/24/2017									
1/30/2017	<0.001								
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017				<0.001					
2/10/2017									
2/13/2017			<0.001						
2/21/2017									
2/22/2017		<0.001							
3/24/2017									
3/27/2017									<0.001
3/28/2017					6E-05 (J)			7E-05 (J)	
3/29/2017						0.0003 (J)	7E-05 (J)		
3/30/2017	<0.001								
4/3/2017									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-13RZ	GWC-12	GWC-13	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-42 (bg)
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017		<0.001	<0.001						
4/12/2017				<0.001					
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017								6E-05 (J)	<0.001
6/8/2017					8E-05 (J)	0.0003 (J)	<0.001		
6/9/2017	<0.001								
6/12/2017									
6/13/2017									
6/14/2017			<0.001						
6/15/2017									
6/16/2017		<0.001		<0.001					
7/12/2017		6E-05 (J)							
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017		<0.001							
8/9/2017									
8/10/2017		<0.001							
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									<0.001
9/27/2017						0.0003 (J)	6E-05 (J)		
9/29/2017					9E-05 (J)			6E-05 (J)	
10/2/2017	<0.001								
10/3/2017									
10/4/2017			<0.001						
10/5/2017									
10/6/2017		<0.001							
10/9/2017				<0.001					
3/14/2018									<0.001
3/15/2018					<0.001		<0.001	<0.001	
3/16/2018	<0.001					0.00036 (J)			
3/19/2018									
3/20/2018									
3/21/2018				<0.001					
3/22/2018			<0.001						
3/23/2018		<0.001							
9/12/2018									
9/13/2018					<0.001	0.00021 (J)	<0.001	<0.001	
9/14/2018									<0.001
9/17/2018	<0.001 (D)								
9/18/2018			<0.001						
9/19/2018				<0.001					
9/20/2018		<0.001							

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-13RZ	GWC-12	GWC-13	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-42 (bg)
3/13/2019									
3/14/2019									<0.001
3/15/2019					<0.001		<0.001		
3/18/2019								<0.001	
3/19/2019						0.00027 (J)			
3/20/2019	<0.001								
3/21/2019									
3/22/2019		<0.001							
3/23/2019			<0.001	<0.001					
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									<0.001
9/11/2019					0.000115 (JD)	0.00023 (J)		<0.001	
9/12/2019	<0.001						<0.001		
9/13/2019									
9/16/2019									
9/17/2019			<0.001 (D)						
9/18/2019		<0.001		<0.001					
3/6/2020									8.6E-05 (J)
3/9/2020					9E-05 (J)	0.00021 (J)	<0.001		
3/10/2020								<0.001	
3/11/2020	<0.001								
3/12/2020			<0.001						
3/13/2020				<0.001					
3/16/2020									
3/17/2020		<0.001							
9/10/2020									<0.001
9/11/2020									
9/14/2020					<0.001		<0.001	<0.001	
9/15/2020	<0.001					0.00016 (J)			
9/16/2020									
9/17/2020									
9/21/2020			<0.001						
9/22/2020		<0.001		<0.001					
3/10/2021									
3/11/2021					<0.001	<0.001	<0.001	<0.001	<0.001
3/12/2021									
3/15/2021									
3/16/2021	<0.001								
3/17/2021									
3/18/2021				<0.001					
3/19/2021		<0.001	<0.001						
3/29/2021									
8/4/2021					<0.001				<0.001
8/5/2021						<0.001	<0.001	<0.001	
8/6/2021									
8/9/2021	<0.001								
8/10/2021									
8/11/2021			<0.001	<0.001					
8/12/2021		<0.001							

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWC-13RZ	GWC-12	GWC-13	GWC-48	GWC-47R	GWC-47	GWC-46R	GWA-42 (bg)
1/31/2022					<0.001			<0.001	<0.001
2/1/2022	<0.001					<0.001	<0.001		
2/2/2022			<0.001						
2/3/2022									
2/4/2022		<0.001							
2/7/2022									
2/17/2022				<0.001					
8/10/2022									<0.001
8/11/2022									
8/12/2022									
8/15/2022					<0.001	<0.001	<0.001	<0.001	
8/16/2022	<0.001								
8/17/2022									
8/18/2022			<0.001	<0.001					
8/19/2022		<0.001							
2/13/2023									<0.001
2/14/2023					<0.001	<0.001	<0.001	<0.001	
2/16/2023	<0.001								
2/17/2023									
2/20/2023									
2/21/2023			<0.001						
2/22/2023		<0.001		<0.001					
7/25/2023									
7/26/2023					<0.001			<0.001	<0.001
7/27/2023	<0.001					0.0002 (J)	0.0002 (J)		
7/28/2023									
7/31/2023									
8/1/2023			<0.001	<0.001					
8/2/2023		<0.001							

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWC-44	GWC-45	GWC-45R
3/30/2015									
10/6/2015									
10/7/2015									
10/8/2015									
10/9/2015									
10/10/2015									
10/11/2015									
10/12/2015									
10/13/2015									
10/14/2015									
10/15/2015									
3/10/2016									
3/11/2016	<0.001	<0.001							
3/14/2016			<0.001						
3/15/2016				<0.001	<0.001	<0.001			
3/16/2016							<0.001	<0.001	<0.001
3/17/2016									
3/22/2016									
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016			<0.001			<0.001			
5/12/2016				<0.001					
5/13/2016	<0.001	<0.001			<0.001				
5/16/2016							<0.001	<0.001 (D)	<0.001 (D)
5/17/2016									
5/18/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016									
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016	<0.001 (*)	<0.001	<0.001 (*)						
7/20/2016				<0.001					
7/21/2016					<0.001	<0.001			
7/22/2016									
7/25/2016							<0.001	<0.001 (D)	<0.001 (D)
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016									
8/1/2016									
8/2/2016									
8/3/2016									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWC-44	GWC-45	GWC-45R
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016			<0.001	<0.001		<0.001			
9/16/2016	<0.001	<0.001							
9/19/2016							<0.001	<0.001 (D)	<0.001 (D)
9/20/2016									
9/21/2016					<0.001				
9/22/2016									
9/23/2016									
9/26/2016									
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016	<0.001	<0.001	<0.001						
11/3/2016				<0.001	<0.001	<0.001	<0.001		<0.001 (D)
11/4/2016								<0.001 (D)	
11/7/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016									
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017					<0.001	<0.001			
1/18/2017	<0.001	<0.001	<0.001	<0.001					
1/19/2017							<0.001		
1/20/2017									<0.001 (D)
1/23/2017								<0.001 (D)	
1/24/2017									
1/30/2017									
1/31/2017									
2/1/2017									
2/3/2017									
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017				<0.001		<0.001			
3/27/2017					<0.001				
3/28/2017	5E-05 (J)	<0.001	5E-05 (J)				5E-05 (J)		
3/29/2017								<0.001 (D)	<0.001 (D)
3/30/2017									
4/3/2017									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWC-44	GWC-45	GWC-45R
4/6/2017									
4/7/2017									
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017						<0.001			
6/5/2017							5E-05 (J)		
6/6/2017	<0.001	<0.001		<0.001	0.0002 (J)				
6/7/2017			<0.001				<0.001		<0.001
6/8/2017									
6/9/2017									
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017	<0.001	<0.001							
9/25/2017				<0.001	<0.001				
9/26/2017			7E-05 (J)			<0.001	<0.001		
9/27/2017								<0.001	<0.001
9/29/2017									
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
3/14/2018	<0.001		<0.001	<0.001	<0.001	<0.001			
3/15/2018		<0.001					<0.001	<0.001	<0.001
3/16/2018									
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
9/13/2018								<0.001	<0.001
9/14/2018									
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWC-44	GWC-45	GWC-45R
3/13/2019	<0.001	<0.001				<0.001			
3/14/2019				<0.001	<0.001		<0.001	<0.001 (D)	<0.001 (D)
3/15/2019			<0.001						
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019			<0.001			<0.001			
9/10/2019				<0.001 (D)	<0.001				
9/11/2019	6.2E-05 (J)	<0.001					<0.001	<0.001 (D)	<0.001 (D)
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020				<0.001					
3/9/2020	<0.001	<0.001	<0.001		6.1E-05 (J)	7.8E-05 (J)			
3/10/2020							<0.001	<0.001	<0.001
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020			<0.001	<0.001	<0.001				
9/11/2020	<0.001					<0.001		<0.001	<0.001
9/14/2020		<0.001							
9/15/2020							<0.001		
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021					<0.001	<0.001			
3/11/2021	<0.001	<0.001		<0.001			<0.001	<0.001	<0.001
3/12/2021			<0.001						
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021			<0.001	<0.001	<0.001	<0.001	<0.001		
8/5/2021		<0.001							
8/6/2021	<0.001						<0.001	<0.001	
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43 (bg)	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWC-44	GWC-45	GWC-45R
1/31/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
2/1/2022								<0.001	<0.001
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
8/10/2022		<0.001	<0.001						
8/11/2022	<0.001			<0.001	<0.001				
8/12/2022						<0.001		<0.001	<0.001
8/15/2022							<0.001		
8/16/2022									
8/17/2022									
8/18/2022									
8/19/2022									
2/13/2023		<0.001	<0.001	<0.001	<0.001	<0.001			
2/14/2023	<0.001						<0.001	<0.001	<0.001
2/16/2023									
2/17/2023									
2/20/2023									
2/21/2023									
2/22/2023									
7/25/2023	<0.001	<0.001		<0.001	<0.001				
7/26/2023			<0.001			<0.001	<0.001	<0.001	<0.001
7/27/2023									
7/28/2023									
7/31/2023									
8/1/2023									
8/2/2023									

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/30/2015					
10/6/2015					
10/7/2015					
10/8/2015					
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015					
10/14/2015					
10/15/2015					
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016	<0.001	<0.001			
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016					
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			<0.001 (D)		
5/17/2016					
5/18/2016	<0.001	<0.001			
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016				<0.001	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016		0.0001 (J)	0.0002 (JD)		
7/28/2016	<0.001				
7/29/2016					
8/1/2016					
8/2/2016				<0.001	
8/3/2016					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/4/2016					
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016	<0.001	<0.001			
9/22/2016					
9/23/2016					
9/26/2016					
9/27/2016				<0.001	
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016		<0.001			
11/7/2016	<0.001				
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				<0.001	
11/22/2016					
11/23/2016					
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017	<0.001	<0.001			
1/30/2017					
1/31/2017					
2/1/2017				<0.001	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017					
2/13/2017					
2/21/2017			<0.001		
2/22/2017					<0.001
3/24/2017					
3/27/2017			<0.001 (D)		
3/28/2017					
3/29/2017		<0.001			
3/30/2017	5E-05 (J)				
4/3/2017					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
4/6/2017				<0.001	
4/7/2017					<0.001
4/10/2017					
4/11/2017					
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017		<0.001	<0.001 (D)		
6/9/2017	<0.001				
6/12/2017					
6/13/2017				<0.001	
6/14/2017					<0.001 (D)
6/15/2017					
6/16/2017					
7/12/2017					<0.001 (D)
7/14/2017				<0.001	
7/17/2017			<0.001 (D)		
7/20/2017					<0.001 (D)
7/26/2017					
7/27/2017			<0.001		
7/28/2017					<0.001
8/9/2017			<0.001		<0.001
8/10/2017					
8/24/2017					<0.001
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	<0.001	<0.001	<0.001 (D)		
10/2/2017					
10/3/2017				<0.001	<0.001 (D)
10/4/2017					
10/5/2017					
10/6/2017					
10/9/2017					
3/14/2018					
3/15/2018	<0.001	<0.001			
3/16/2018			<0.001		
3/19/2018					
3/20/2018				<0.001	
3/21/2018					<0.001
3/22/2018					
3/23/2018					
9/12/2018					
9/13/2018		<0.001			
9/14/2018	<0.001		<0.001		
9/17/2018					
9/18/2018				<0.001	<0.001
9/19/2018					
9/20/2018					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/13/2019					
3/14/2019			<0.001		
3/15/2019					
3/18/2019		<0.001			
3/19/2019	<0.001				
3/20/2019					
3/21/2019				<0.001	<0.001 (D)
3/22/2019					
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019	<0.001	<0.001			
9/12/2019					<0.001 (D)
9/13/2019				5.7E-05 (J)	
9/16/2019					
9/17/2019					
9/18/2019					
3/6/2020					
3/9/2020	<0.001		<0.001		
3/10/2020					
3/11/2020		<0.001			
3/12/2020				0.00022 (J)	<0.001
3/13/2020					
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020		<0.001			
9/14/2020	<0.001				
9/15/2020					
9/16/2020			<0.001	0.00019 (J)	
9/17/2020					<0.001
9/21/2020					
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021	<0.001	<0.001			
3/16/2021			<0.001		<0.001
3/17/2021				0.00015 (J)	
3/18/2021					
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021	<0.001				
8/6/2021			<0.001		
8/9/2021					
8/10/2021				<0.001	<0.001
8/11/2021		<0.001			
8/12/2021					

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 11:51 AM View: Appendix I Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
1/31/2022					
2/1/2022	<0.001	<0.001			
2/2/2022			<0.001	<0.001	
2/3/2022					<0.001
2/4/2022					
2/7/2022					
2/17/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022	<0.001	<0.001			
8/16/2022			<0.001		
8/17/2022				0.00024 (J)	<0.001
8/18/2022					
8/19/2022					
2/13/2023					
2/14/2023	<0.001	<0.001	<0.001		
2/16/2023					
2/17/2023					<0.001
2/20/2023				<0.001	
2/21/2023					
2/22/2023					
7/25/2023			<0.001		
7/26/2023					
7/27/2023	<0.001	<0.001			
7/28/2023					<0.001
7/31/2023				<0.001	
8/1/2023					
8/2/2023					

FIGURE G.

Appendix I Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:58 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.0006625	-4.448	-2.58	Yes	41	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001185	-93	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.00225	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0001841	-104	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003308	143	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003645	-227	-184	Yes	35	2.857	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007381	-316	-167	Yes	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006242	520	223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001166	97	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-48	0.002317	122	92	Yes	22	4.545	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.001948	-415	-167	Yes	33	18.18	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001584	-175	-152	Yes	31	41.94	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004635	-380	-152	Yes	31	3.226	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002718	85	81	Yes	20	5	n/a	n/a	0.01	NP

Appendix I Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:58 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Antimony (mg/L)	GWA-1 (bg)	0	0.4525	2.58	No	41	39.02	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2 (bg)	0	0	2.58	No	42	100	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-2R (bg)	0	0.8991	2.58	No	41	41.46	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39RZ (bg)	0	-12	-74	No	19	26.32	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-39Z (bg)	0	16	87	No	21	33.33	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-3A (bg)	0	-0.792	-2.58	No	41	68.29	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-40 (bg)	0	-3	-87	No	21	90.48	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41 (bg)	0	-29	-87	No	21	90.48	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-41R (bg)	0	-22	-87	No	21	52.38	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-42 (bg)	0	16	87	No	21	95.24	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43 (bg)	0	-6	-87	No	21	95.24	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-43R (bg)	0	-5	-87	No	21	71.43	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-4RZ (bg)	0	25	87	No	21	52.38	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50 (bg)	0	-42	-191	No	36	88.89	n/a	n/a	0.01	NP
Antimony (mg/L)	GWA-50R (bg)	0	-23	-191	No	36	97.22	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-45	0.00003419	16	87	No	21	23.81	n/a	n/a	0.01	NP
Antimony (mg/L)	GWC-47R	0	15	87	No	21	33.33	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-1 (bg)	-0.0006625	-4.448	-2.58	Yes	41	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	0.0004193	100	223	No	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2R (bg)	0.0006181	218	223	No	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39RZ (bg)	-0.0003327	-27	-81	No	20	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-39Z (bg)	-0.00004912	-2	-87	No	21	4.762	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3A (bg)	-0.0001355	-110	-161	No	32	3.125	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-40 (bg)	-0.0003255	-80	-87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41 (bg)	-0.001185	-93	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-41R (bg)	0.000362	16	87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-42 (bg)	0.000004706	16	87	No	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43 (bg)	-0.00225	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-43R (bg)	-0.0001841	-104	-87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4RZ (bg)	0.003308	143	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50 (bg)	-0.0003645	-227	-184	Yes	35	2.857	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-50R (bg)	-0.0007381	-316	-167	Yes	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-13RZ	0.006242	520	223	Yes	40	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-45	0.0001166	97	87	Yes	21	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-48	0.002317	122	92	Yes	22	4.545	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-1.568	-2.58	No	42	97.62	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-0.2362	-2.58	No	42	95.24	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2R (bg)	0	0	2.58	No	42	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39RZ (bg)	0	-1	-81	No	20	95	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-39Z (bg)	0	-12	-87	No	21	95.24	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3A (bg)	0	-1.564	-2.58	No	41	97.56	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-40 (bg)	0	-11	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41 (bg)	0	-29	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-41R (bg)	0	-29	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-42 (bg)	0	-27	-87	No	21	85.71	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43 (bg)	0	0	87	No	21	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-43R (bg)	0	-11	-87	No	21	90.48	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4RZ (bg)	0	16	87	No	21	95.24	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50 (bg)	0	9	191	No	36	97.22	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-50R (bg)	0	0	191	No	36	100	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-48	0	-29	-98	No	23	56.52	n/a	n/a	0.01	NP

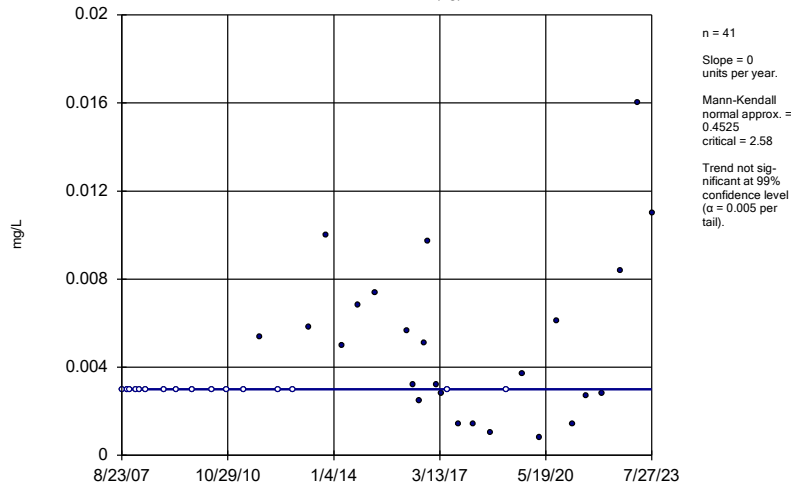
Appendix I Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/11/2023, 11:58 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Nickel (mg/L)	GWA-1 (bg)	0	-174	-191	No	36	75	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	0	-45	-184	No	35	71.43	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2R (bg)	0	-74	-191	No	36	80.56	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39RZ (bg)	0	-9	-58	No	16	68.75	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-39Z (bg)	-0.0001207	-40	-74	No	19	36.84	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3A (bg)	-0.001948	-415	-167	Yes	33	18.18	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-40 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41 (bg)	0	12	81	No	20	60	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-41R (bg)	0	-10	-81	No	20	60	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-42 (bg)	-0.00003909	-42	-81	No	20	10	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43 (bg)	0.000009341	45	81	No	20	45	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-43R (bg)	0	9	81	No	20	95	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4RZ (bg)	0	5	48	No	14	85.71	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50 (bg)	-0.0001584	-175	-152	Yes	31	41.94	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-50R (bg)	-0.0004635	-380	-152	Yes	31	3.226	n/a	n/a	0.01	NP
Nickel (mg/L)	GWC-48	0.0002718	85	81	Yes	20	5	n/a	n/a	0.01	NP

Sen's Slope Estimator

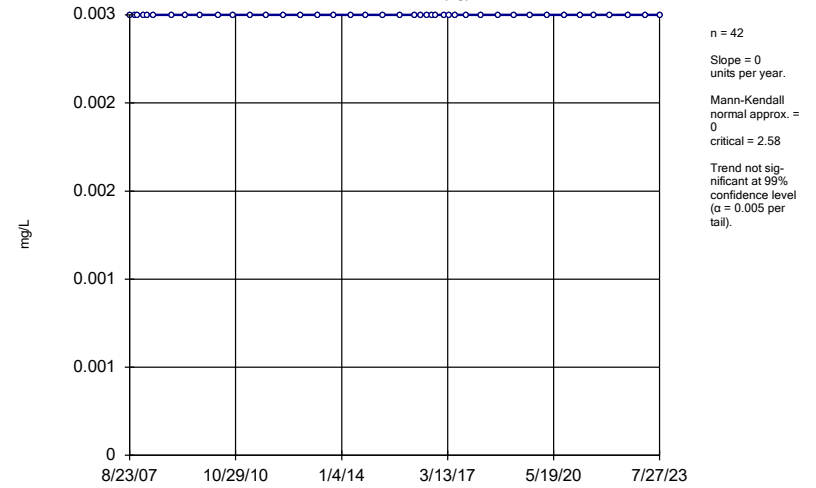
GWA-1 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

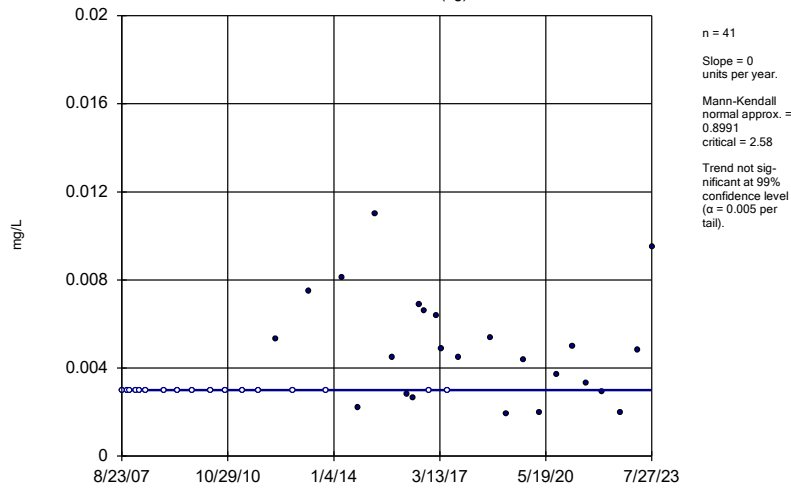
GWA-2 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

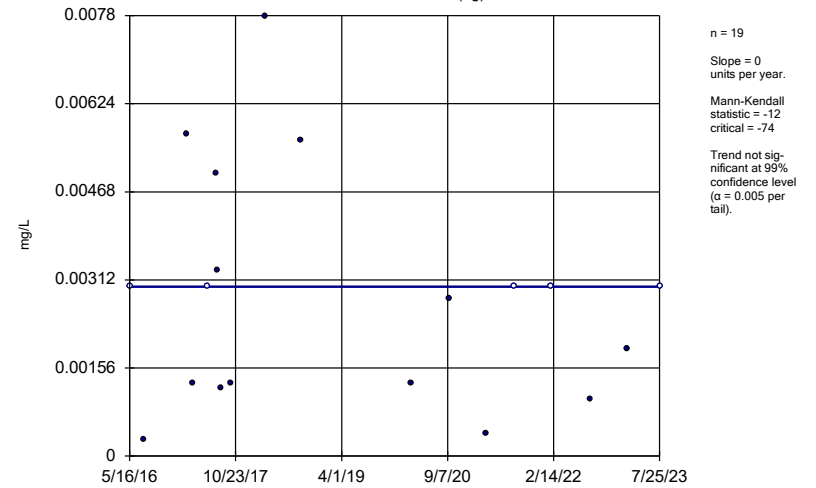
GWA-2R (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

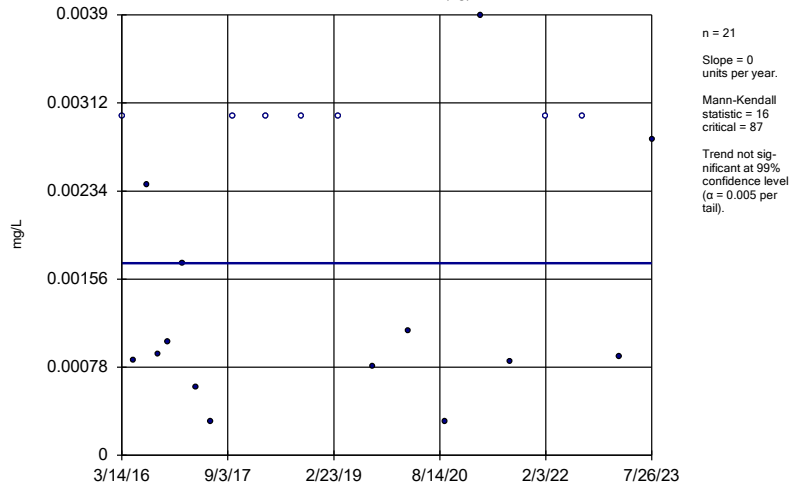
GWA-39RZ (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

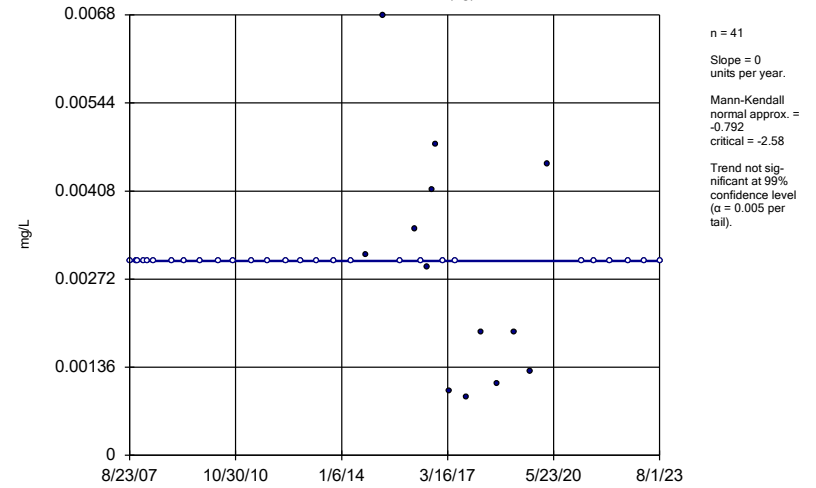
GWA-39Z (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

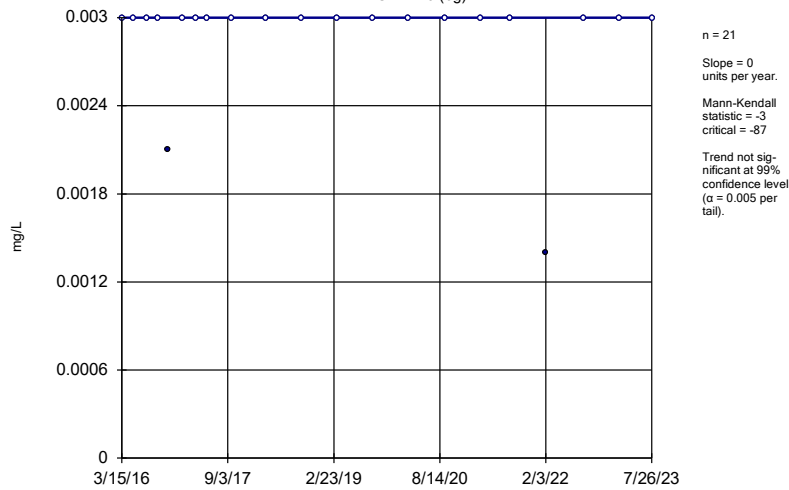
GWA-3A (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

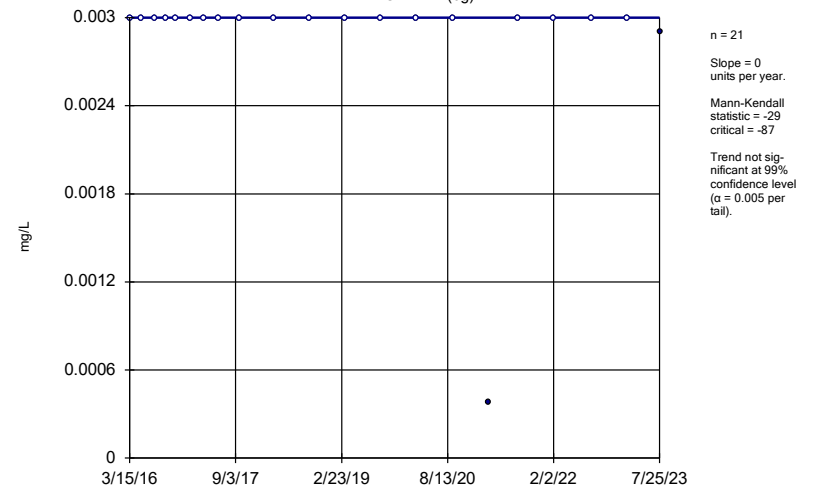
GWA-40 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

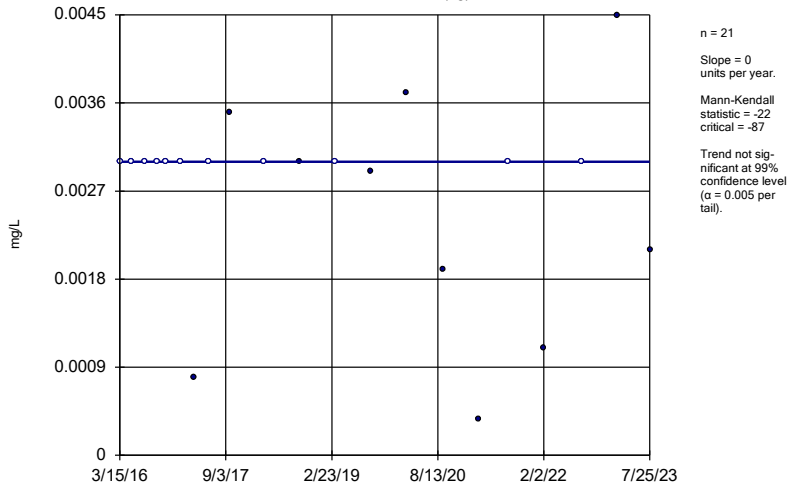
GWA-41 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

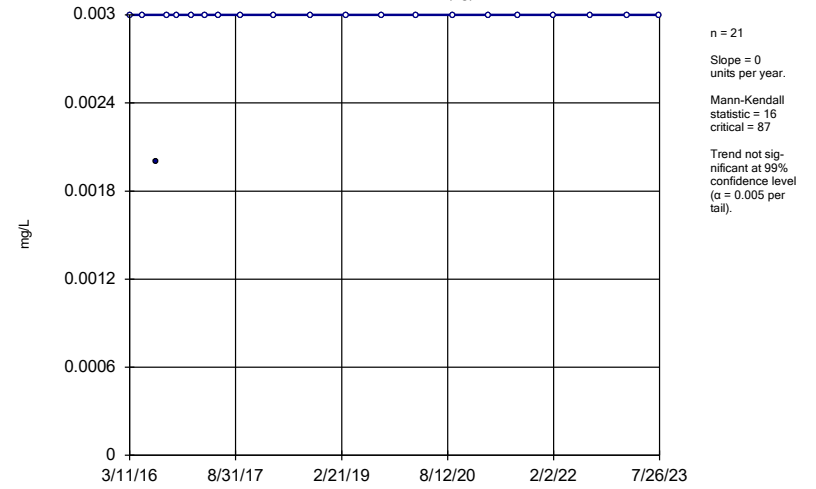
GWA-41R (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

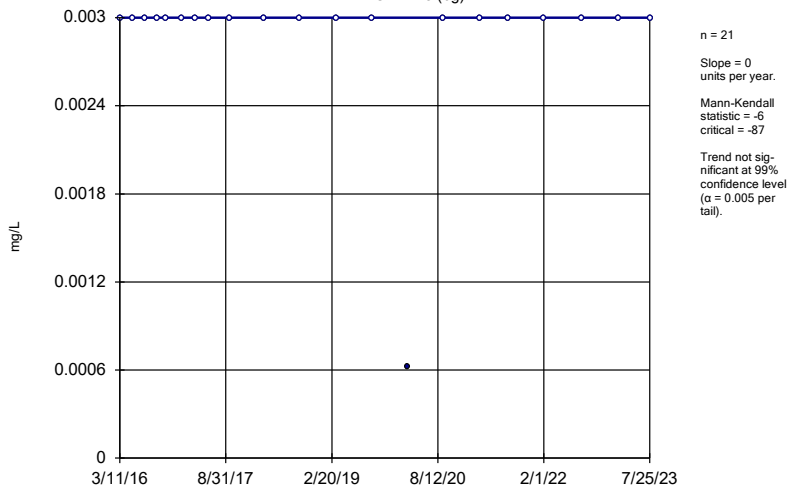
GWA-42 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

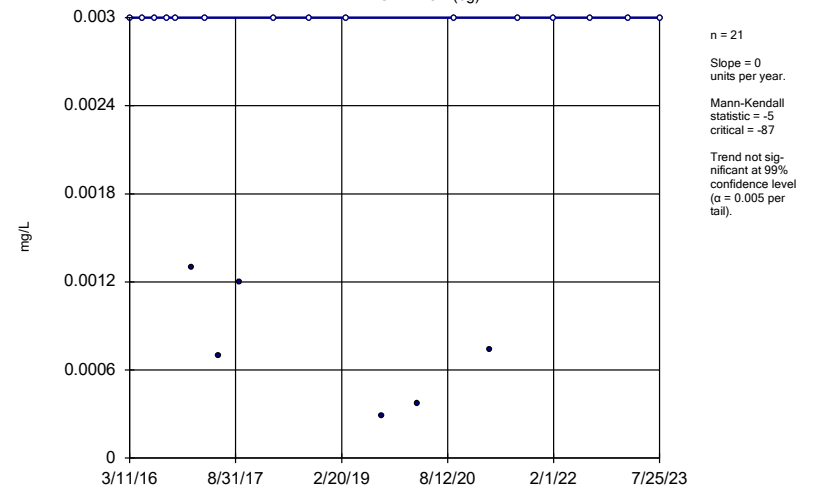
GWA-43 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

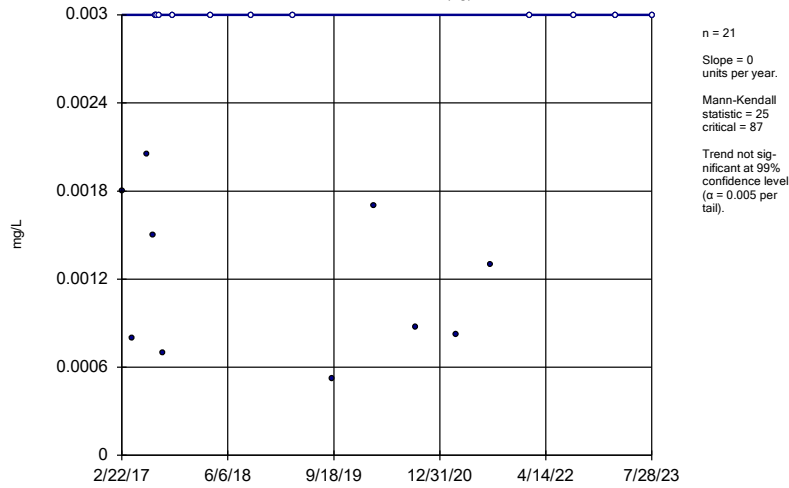
GWA-43R (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

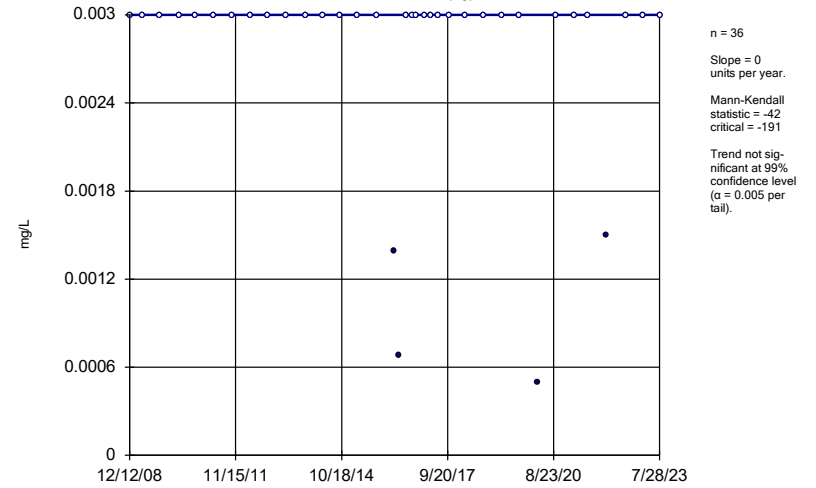
GWA-4RZ (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

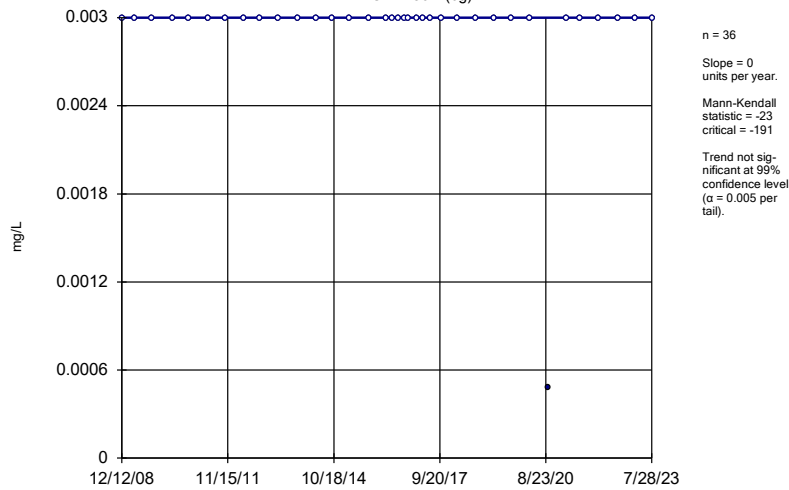
GWA-50 (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

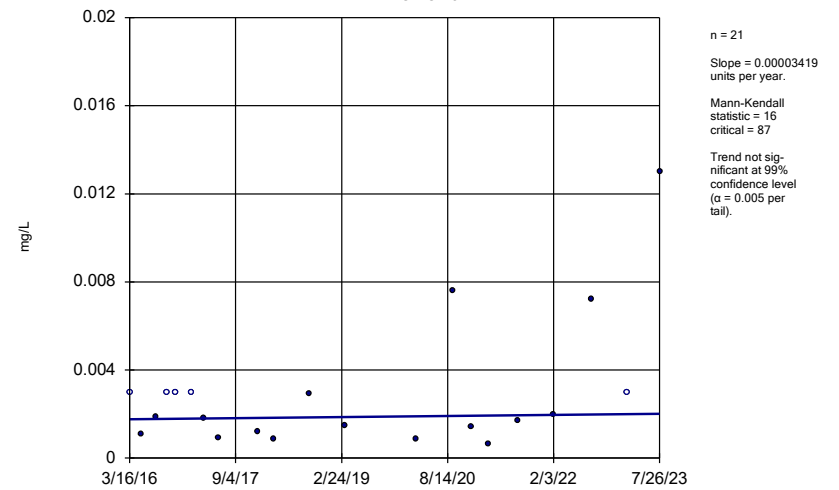
GWA-50R (bg)



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

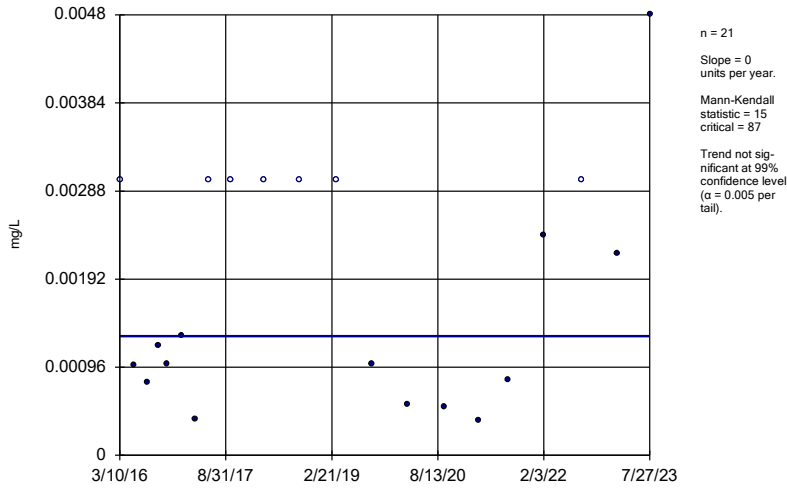
GWC-45



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

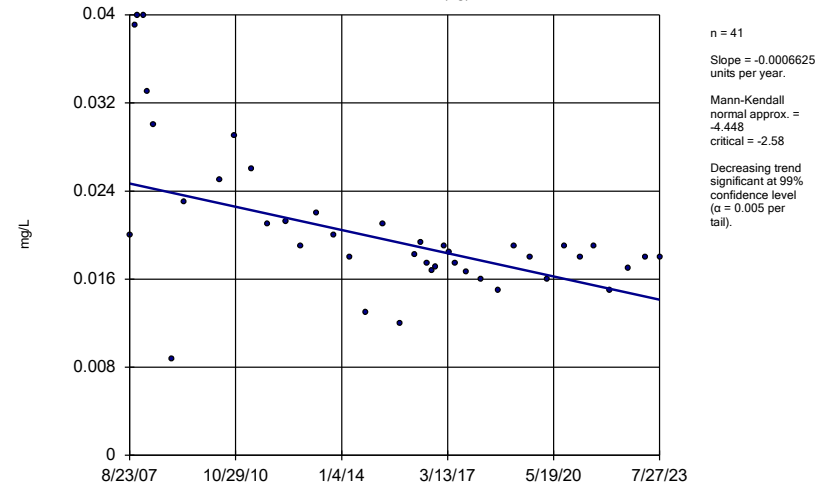
GWC-47R



Constituent: Antimony Analysis Run 9/11/2023 11:55 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

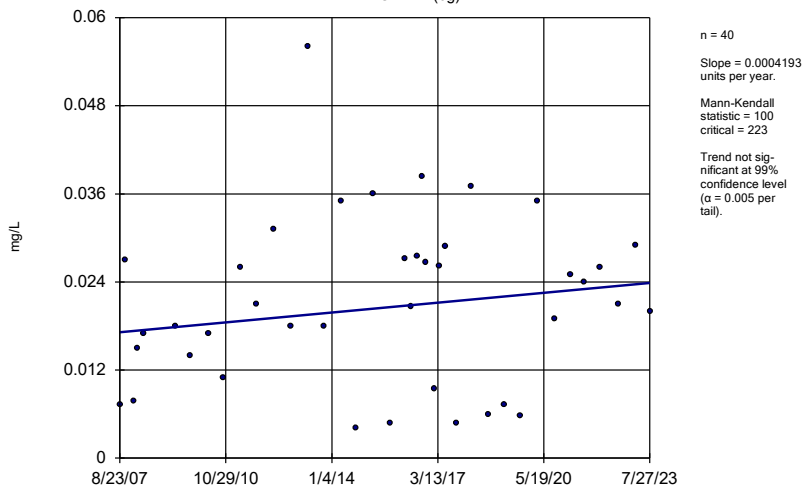
GWA-1 (bg)



Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

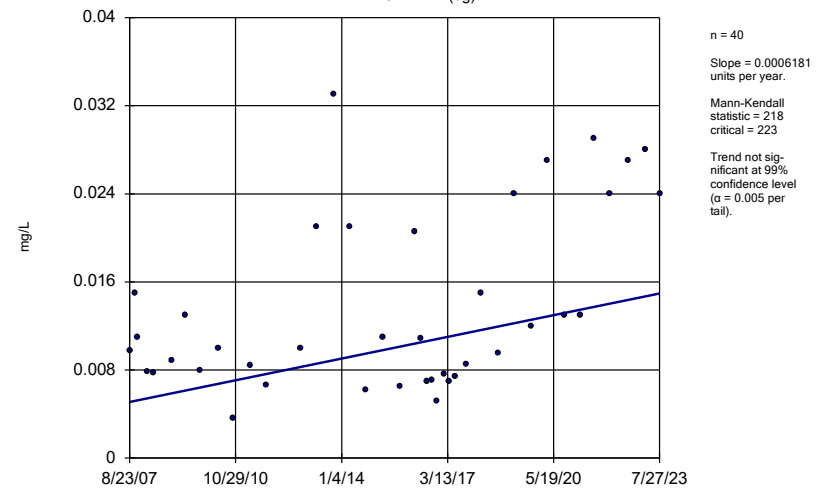
GWA-2 (bg)



Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

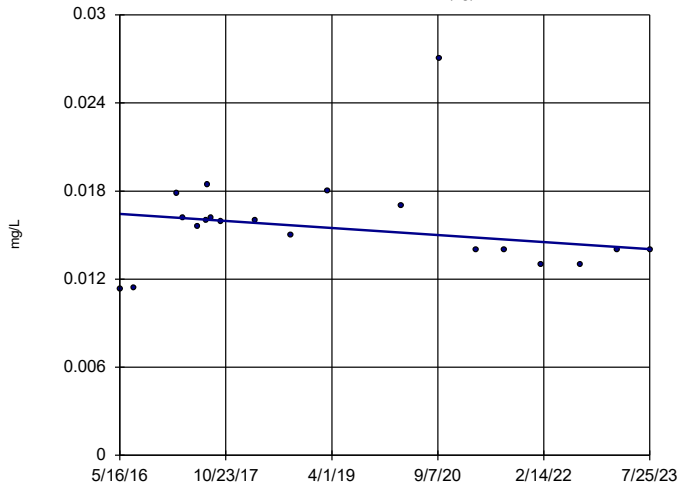
GWA-2R (bg)



Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

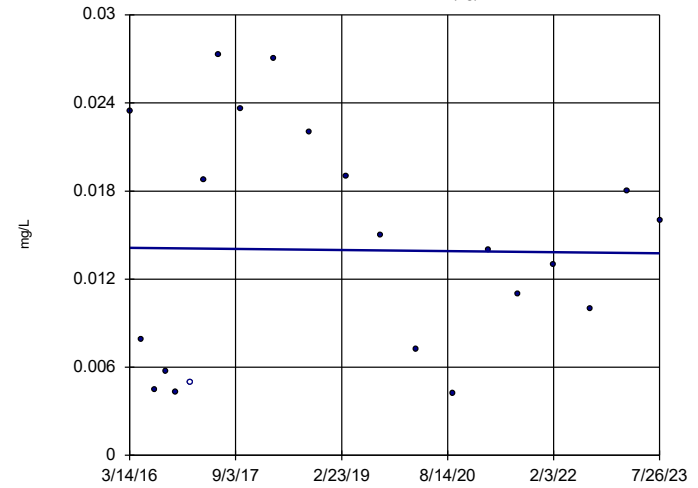


n = 20
 Slope = -0.0003327
 units per year.
 Mann-Kendall
 statistic = -27
 critical = -81
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

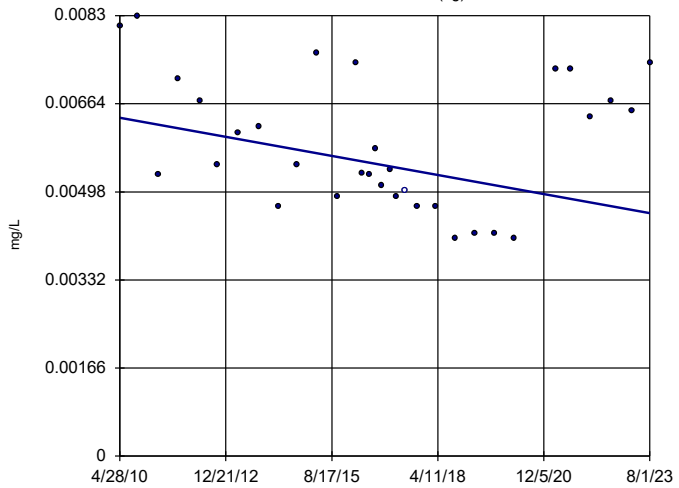


n = 21
 Slope = -0.00004912
 units per year.
 Mann-Kendall
 statistic = -2
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

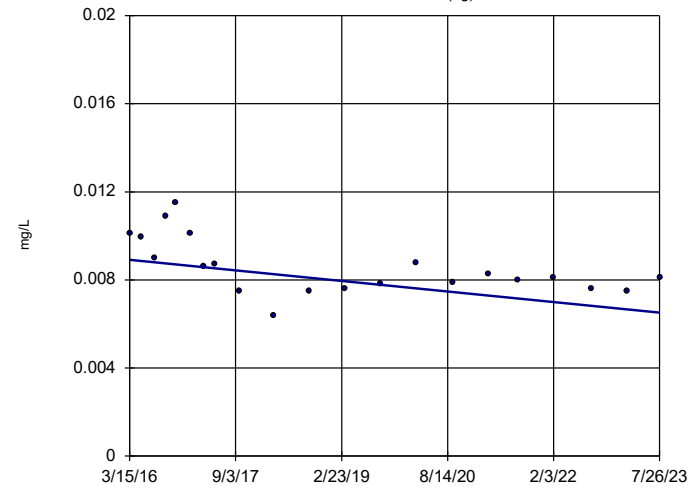


n = 32
 Slope = -0.0001355
 units per year.
 Mann-Kendall
 statistic = -110
 critical = -161
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

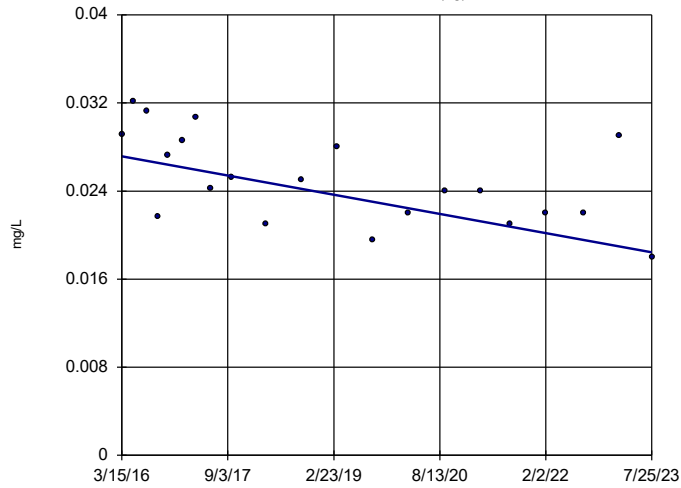


n = 21
 Slope = -0.0003255
 units per year.
 Mann-Kendall
 statistic = -80
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

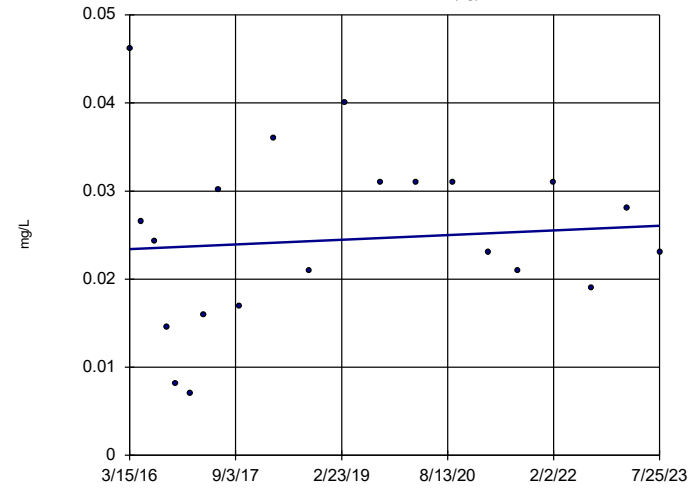


n = 21
 Slope = -0.001185
 units per year.
 Mann-Kendall
 statistic = -93
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

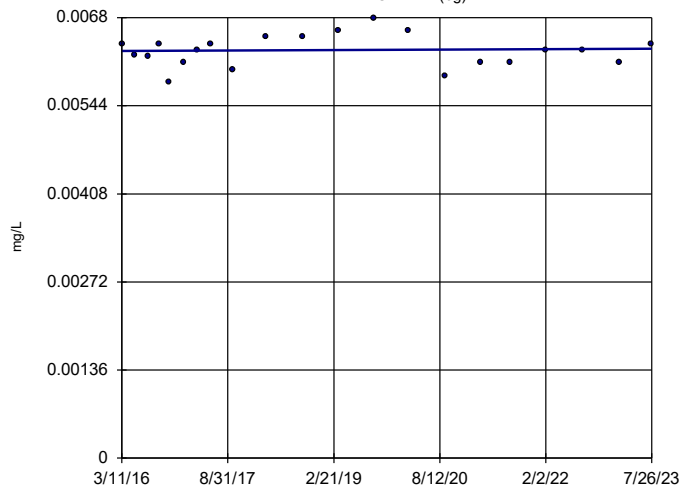


n = 21
 Slope = 0.000362
 units per year.
 Mann-Kendall
 statistic = 16
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-42 (bg)

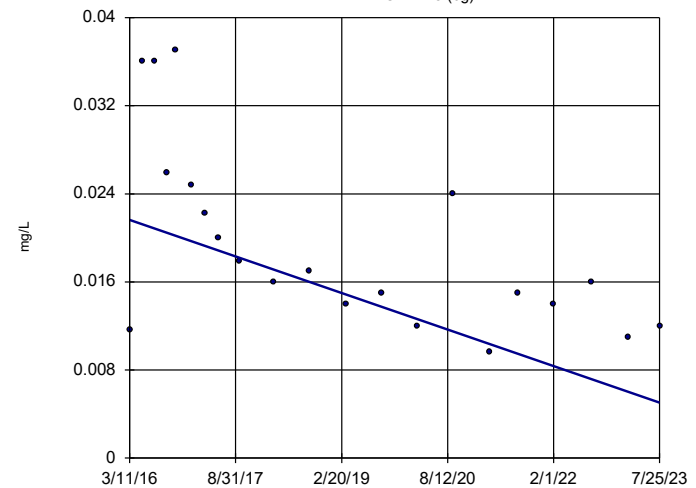


n = 21
 Slope = 0.000004706
 units per year.
 Mann-Kendall
 statistic = 16
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43 (bg)

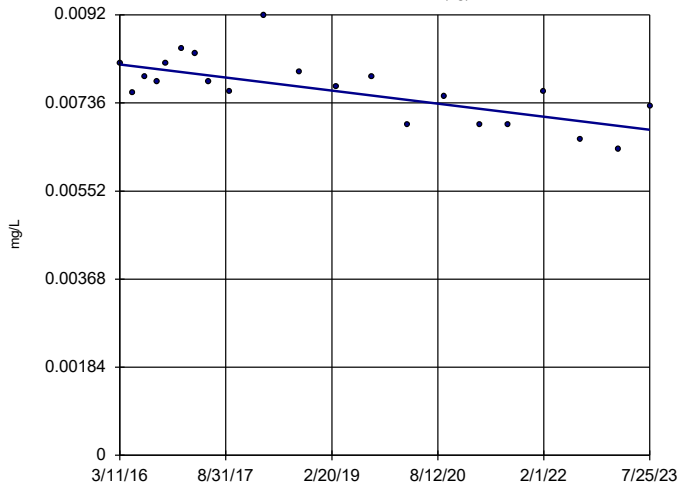


n = 21
 Slope = -0.00225
 units per year.
 Mann-Kendall
 statistic = -116
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-43R (bg)

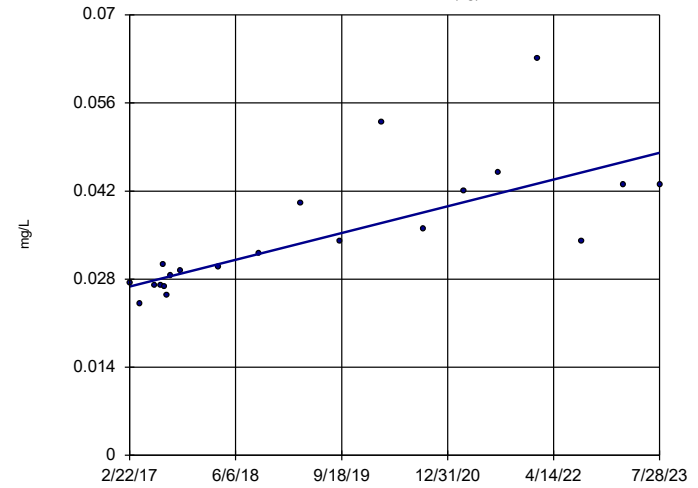


n = 21
 Slope = -0.0001841 units per year.
 Mann-Kendall statistic = -104
 critical = -87
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-4RZ (bg)

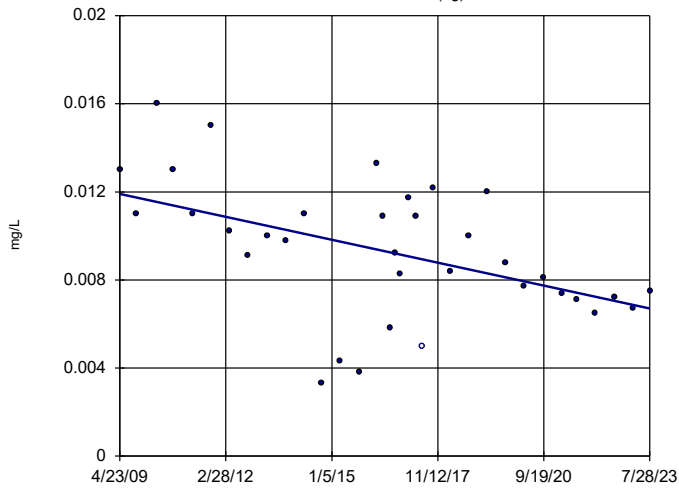


n = 21
 Slope = 0.003308 units per year.
 Mann-Kendall statistic = 143
 critical = 87
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

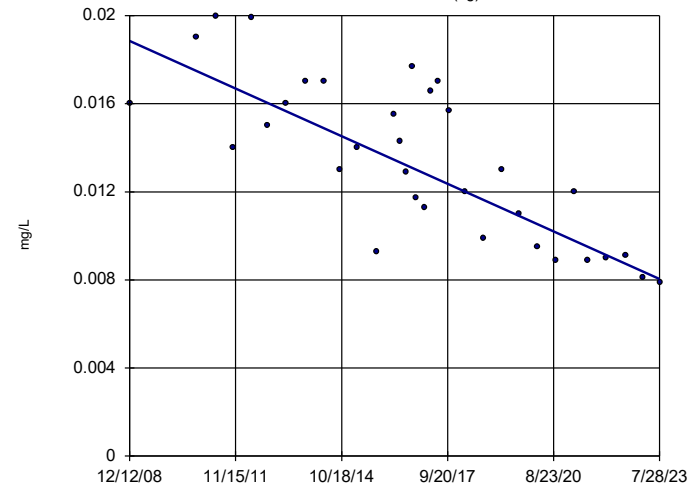


n = 35
 Slope = -0.0003645 units per year.
 Mann-Kendall statistic = -227
 critical = -184
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

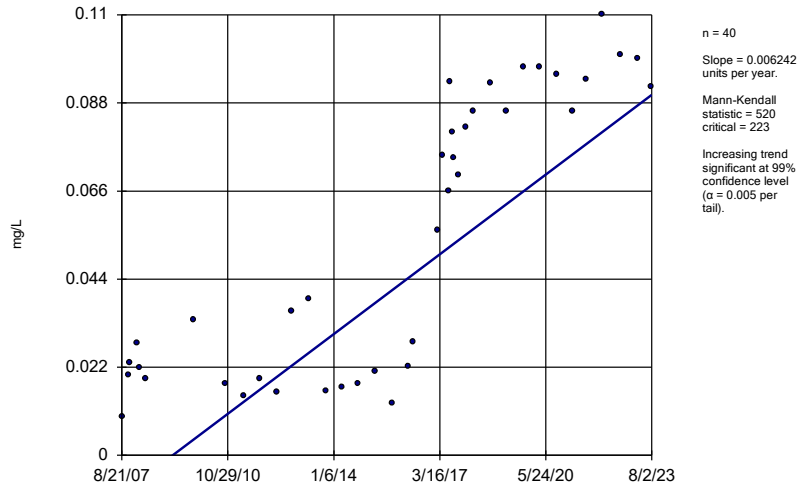


n = 33
 Slope = -0.0007381 units per year.
 Mann-Kendall statistic = -316
 critical = -167
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

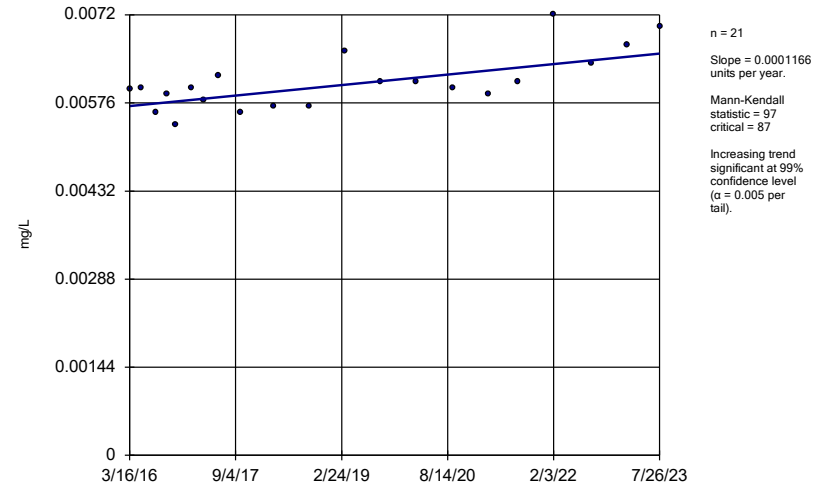
GWC-13RZ



Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

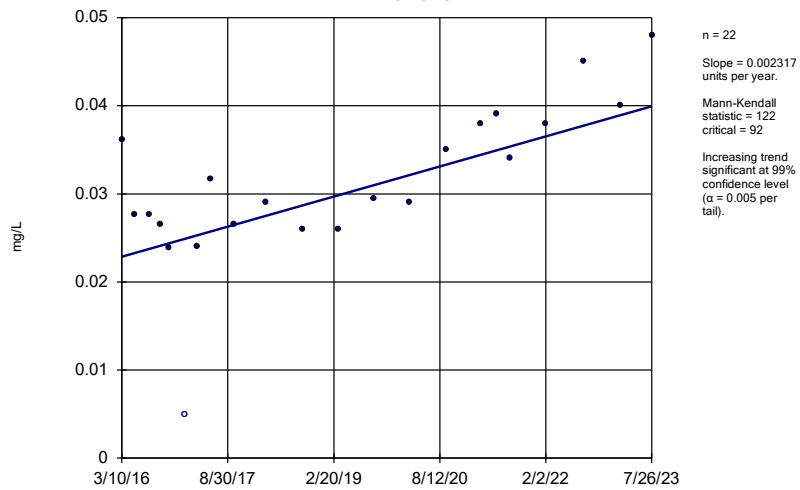
GWC-45



Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

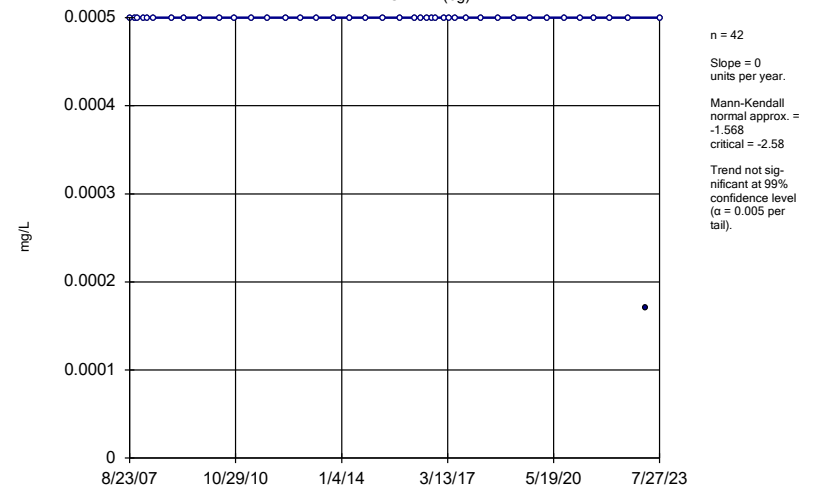
GWC-48



Constituent: Barium Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

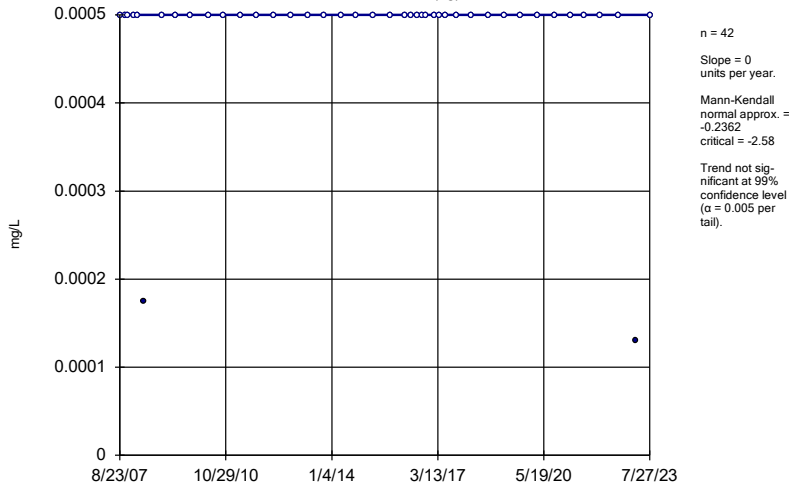
GWA-1 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

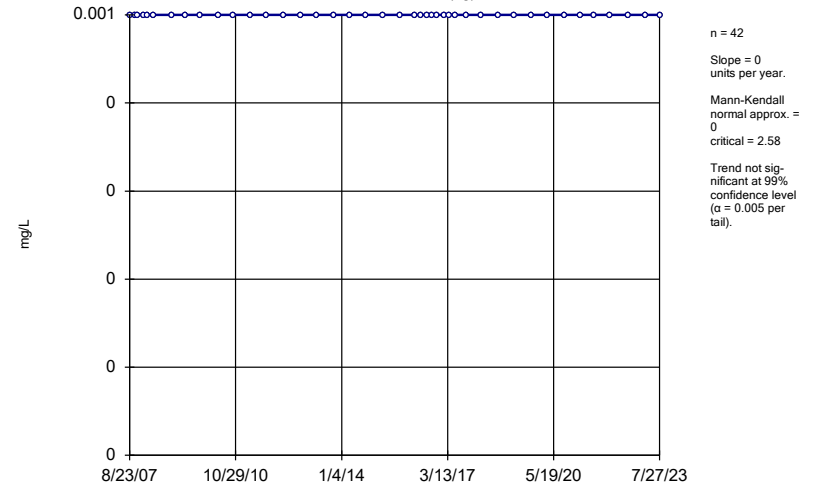
GWA-2 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

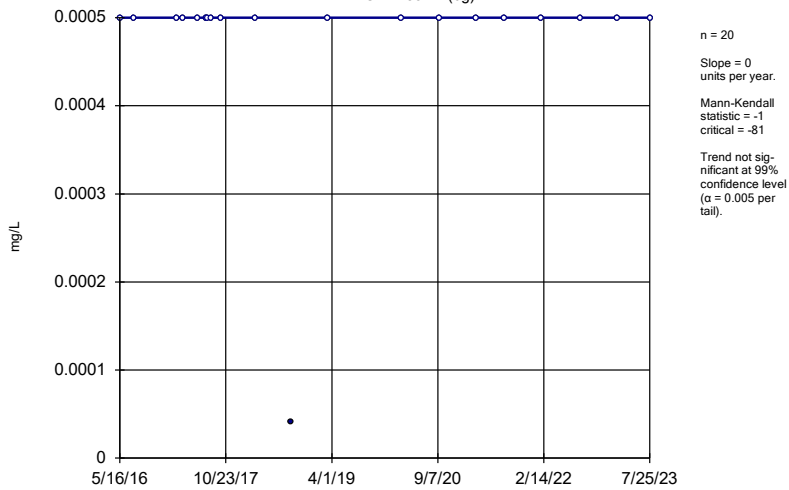
GWA-2R (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

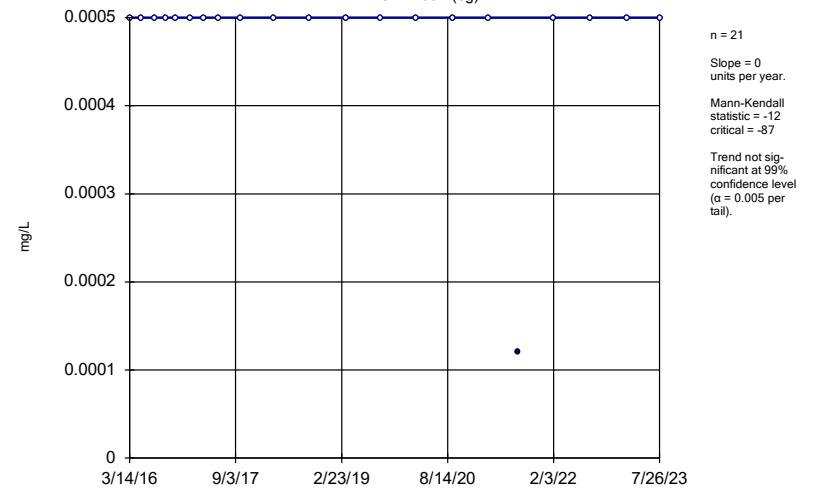
GWA-39RZ (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

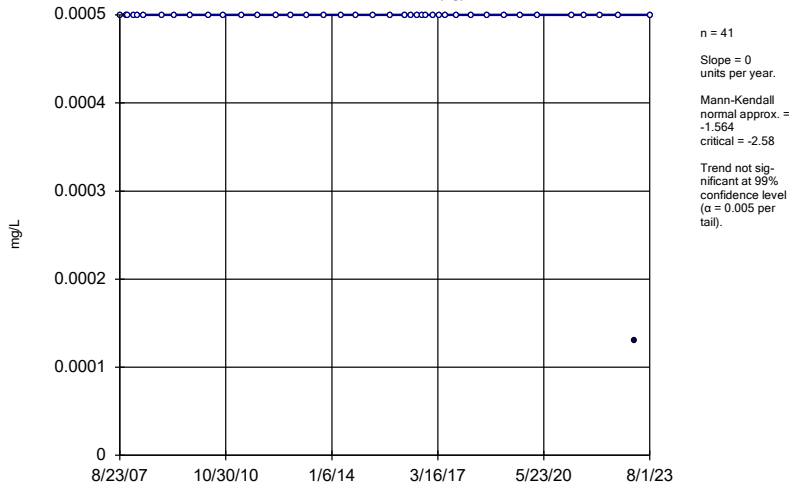
GWA-39Z (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

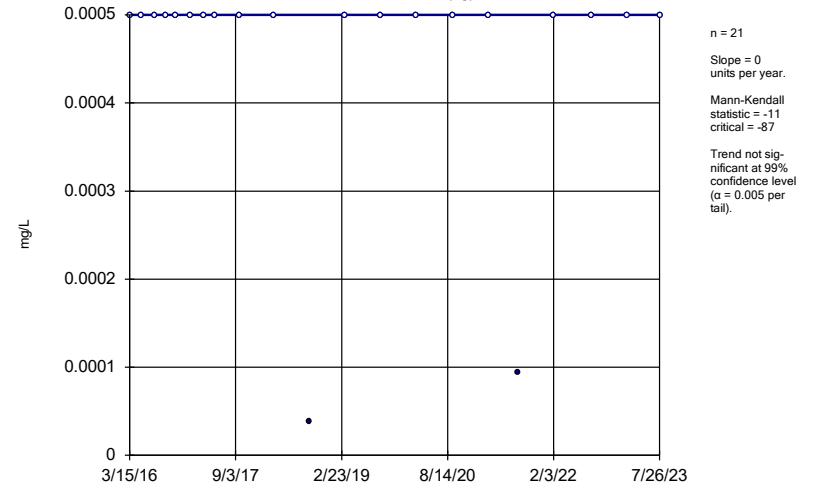
GWA-3A (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

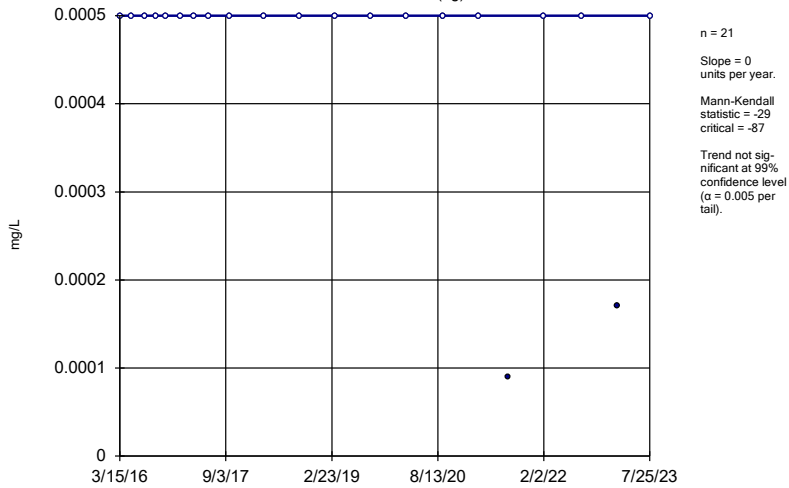
GWA-40 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

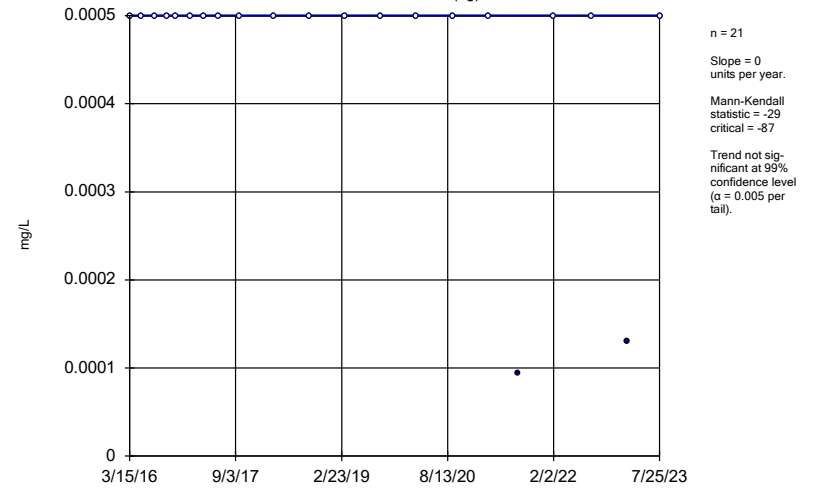
GWA-41 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

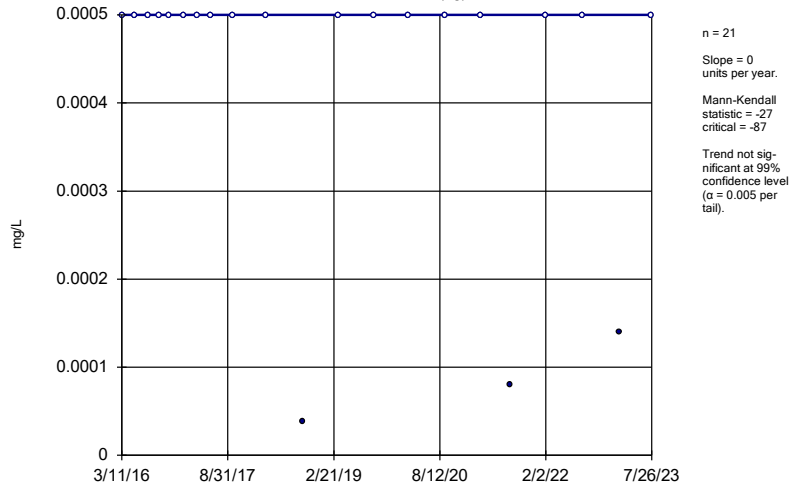
GWA-41R (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

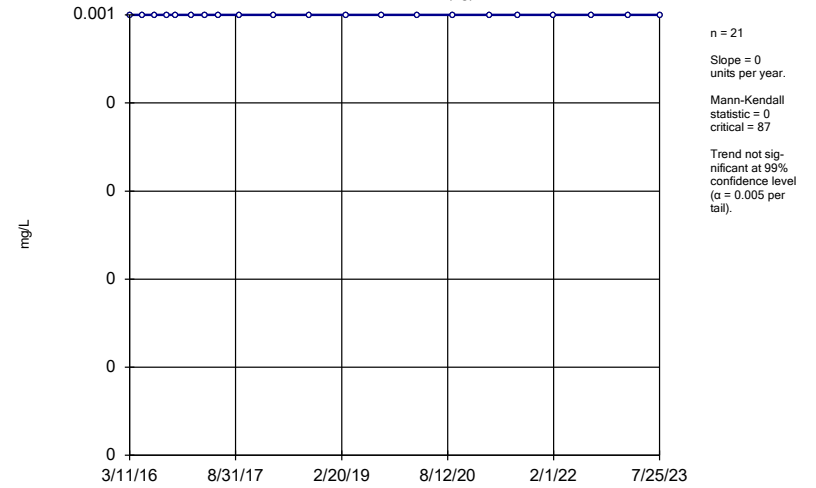
GWA-42 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

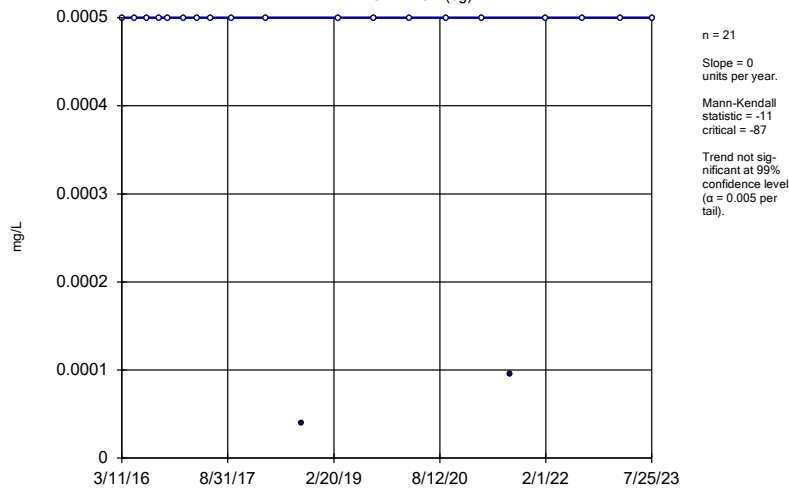
GWA-43 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

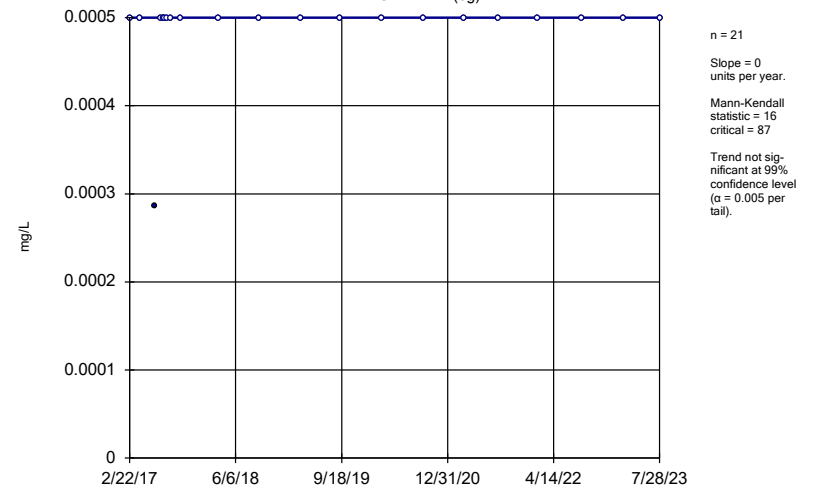
GWA-43R (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

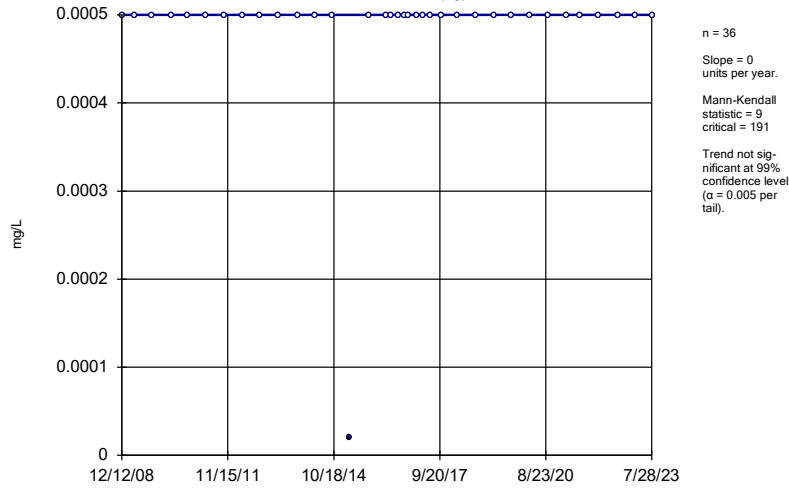
GWA-4RZ (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

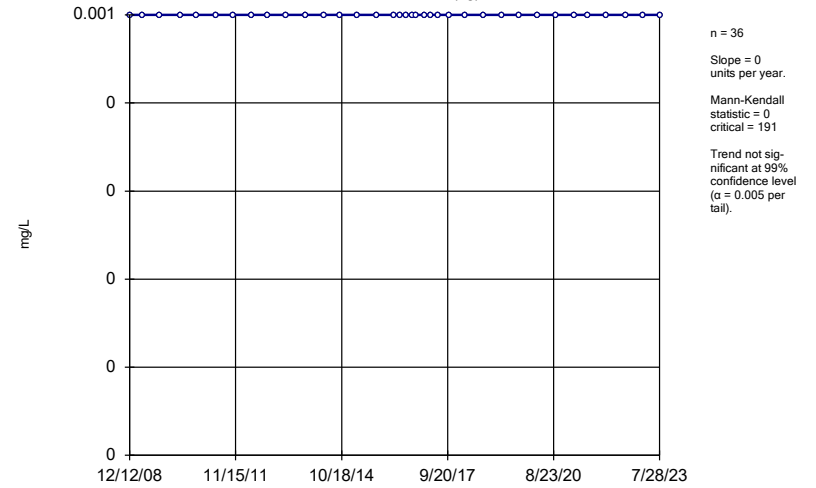
GWA-50 (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

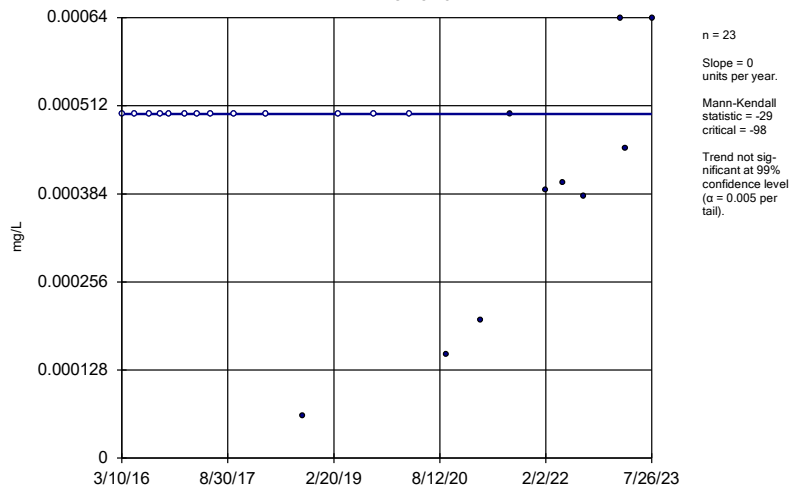
GWA-50R (bg)



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

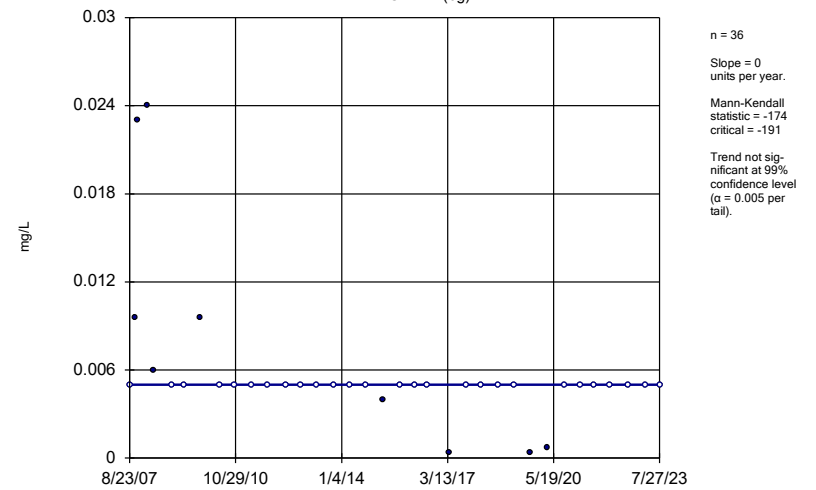
GWC-48



Constituent: Mercury Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

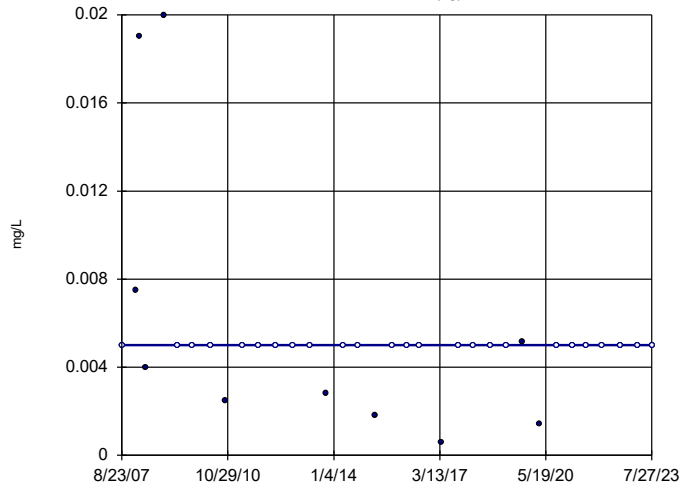
GWA-1 (bg)



Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

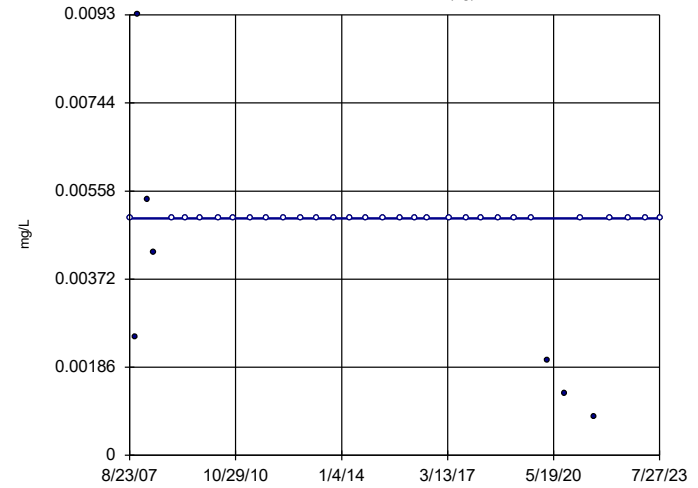


n = 35
Slope = 0
units per year.
Mann-Kendall
statistic = -45
critical = -184
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

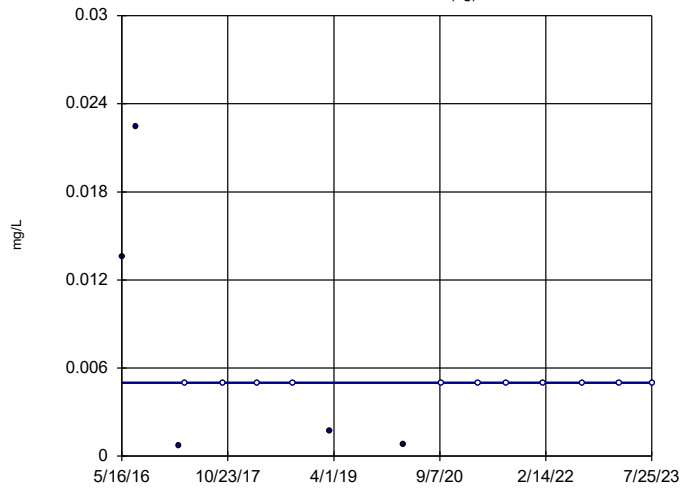


n = 36
Slope = 0
units per year.
Mann-Kendall
statistic = -74
critical = -191
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

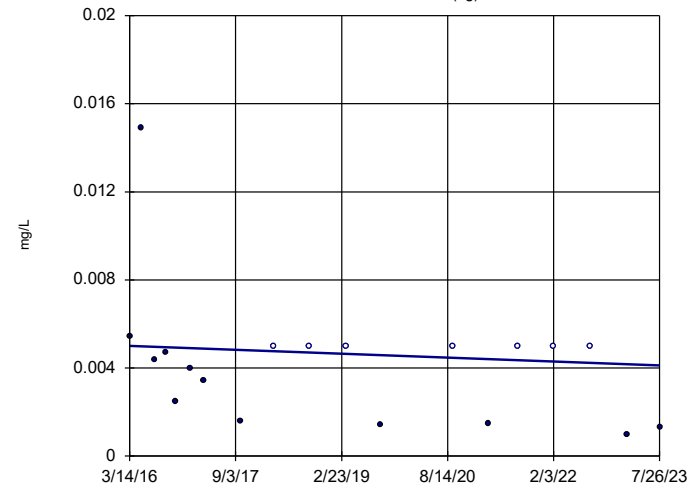


n = 16
Slope = 0
units per year.
Mann-Kendall
statistic = -9
critical = -58
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

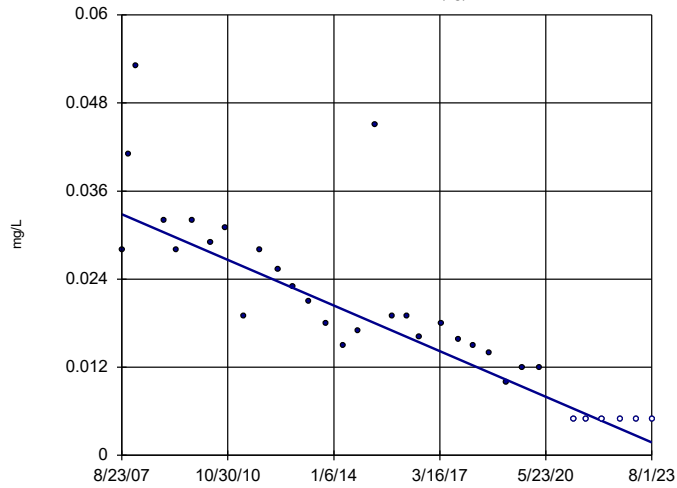


n = 19
Slope = -0.0001207
units per year.
Mann-Kendall
statistic = -40
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-3A (bg)

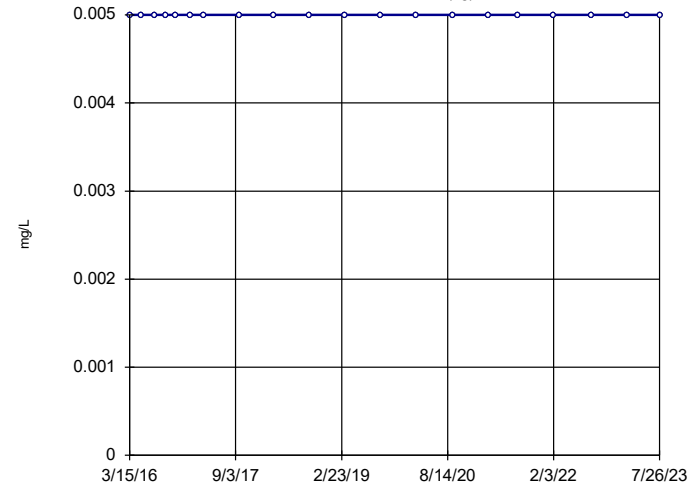


n = 33
Slope = -0.001948
units per year.
Mann-Kendall
statistic = -415
critical = -167
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-40 (bg)

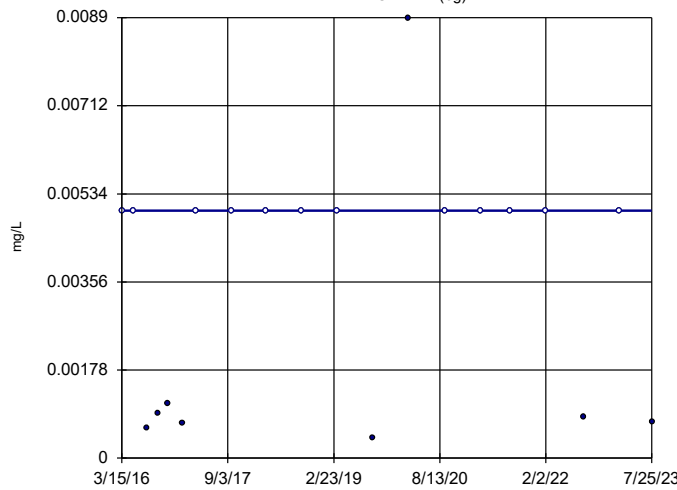


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41 (bg)

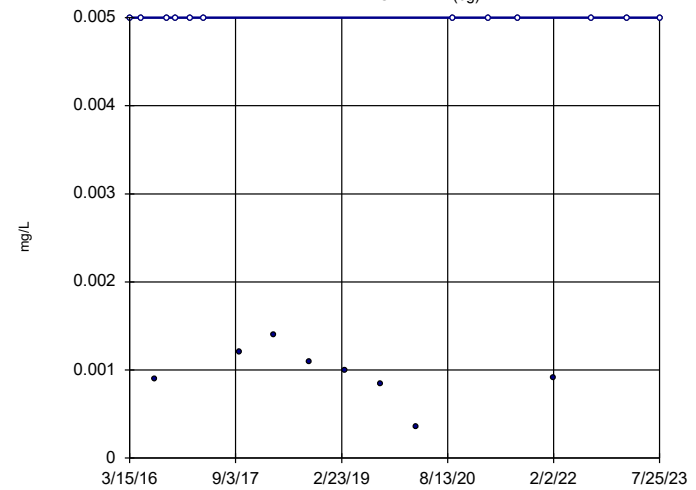


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = 12
critical = 81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-41R (bg)

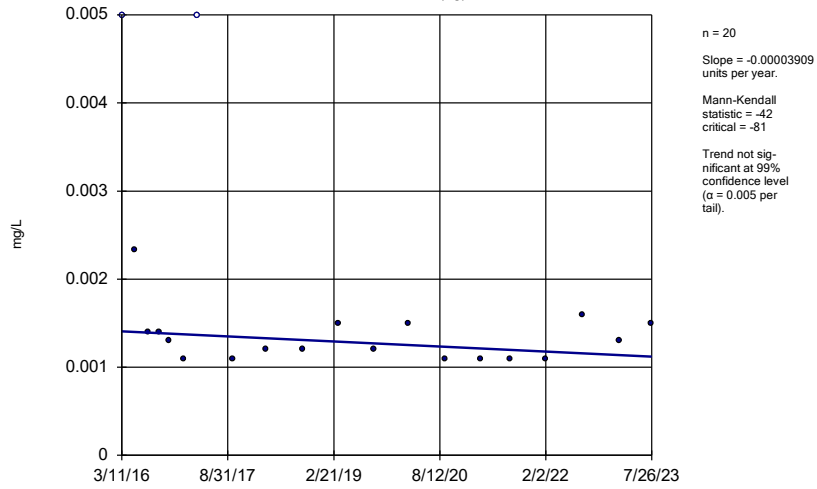


n = 20
Slope = 0
units per year.
Mann-Kendall
statistic = -10
critical = -81
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

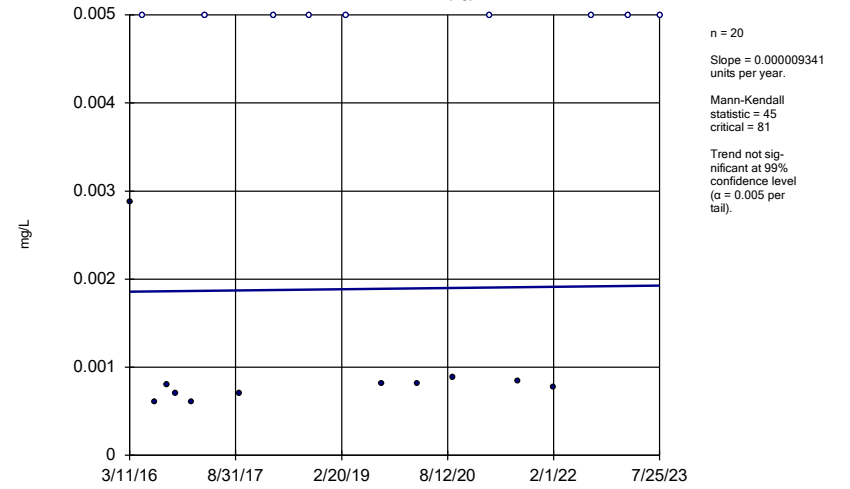
GWA-42 (bg)



Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

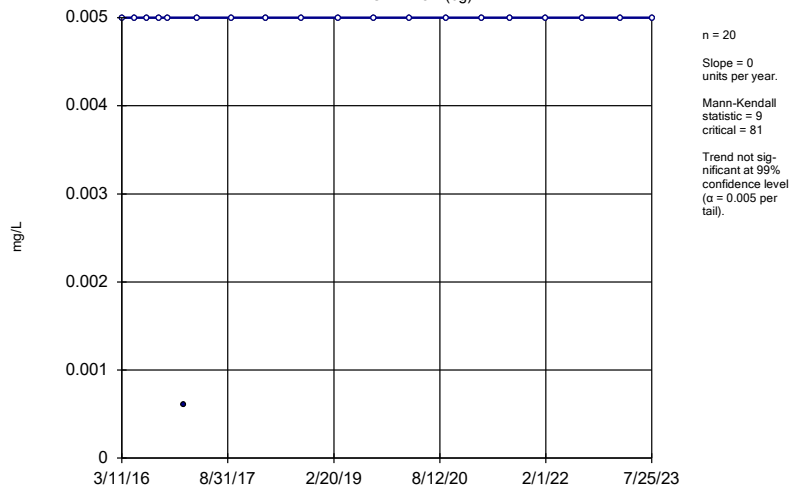
GWA-43 (bg)



Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

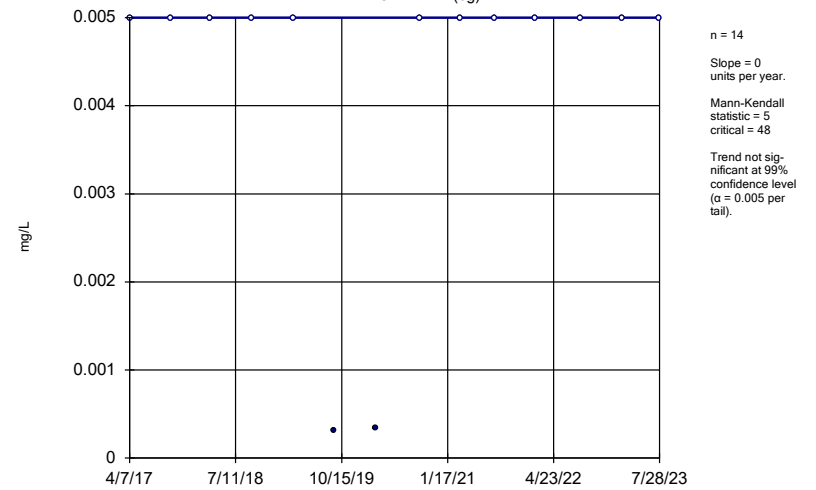
GWA-43R (bg)



Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

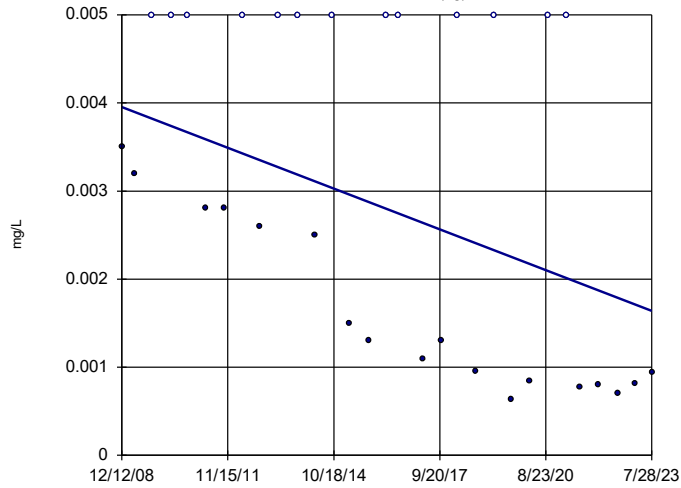
GWA-4RZ (bg)



Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50 (bg)

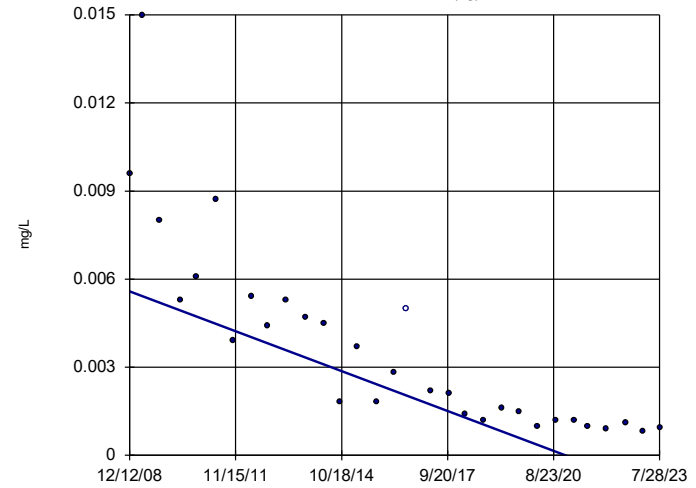


n = 31
Slope = -0.0001584
units per year.
Mann-Kendall
statistic = -175
critical = -152
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-50R (bg)

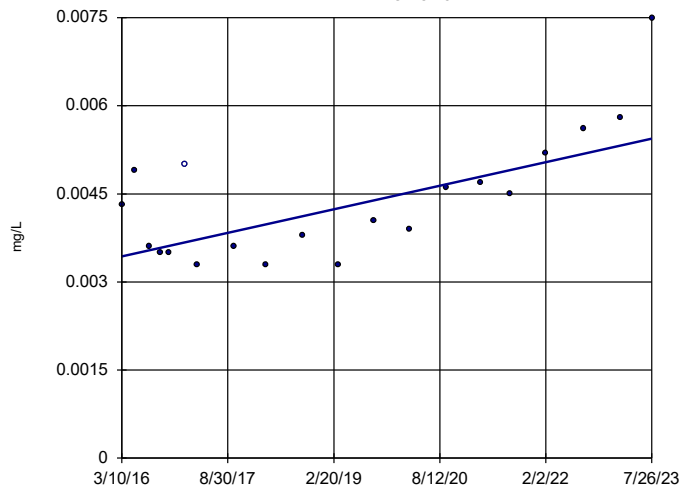


n = 31
Slope = -0.0004635
units per year.
Mann-Kendall
statistic = -380
critical = -152
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-48



n = 20
Slope = 0.0002718
units per year.
Mann-Kendall
statistic = 85
critical = 81
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Nickel Analysis Run 9/11/2023 11:56 AM View: Appendix I Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE H.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-3A	19.4	n/a	8/1/2023	22.6	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	7/25/2023	34.2	Yes	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWA-1	0.04	n/a	7/27/2023	0.015J	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2	0.04	n/a	7/27/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-2R	0.04	n/a	7/27/2023	0.015J	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-39RZ	0.04	n/a	7/25/2023	0.04ND	No	17	n/a	n/a	23.53	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-39Z	0.04	n/a	7/26/2023	0.012J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-3A	0.04	n/a	8/1/2023	0.04ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-40	0.04	n/a	7/26/2023	0.0091J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41	0.04	n/a	7/25/2023	0.012J	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-41R	0.04	n/a	7/25/2023	0.011J	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Boron, total (mg/L)	GWA-42	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43	0.04	n/a	7/25/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-43R	0.04212	n/a	7/25/2023	0.012J	No	17	0.02003	0.008233	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-4RZ	0.03839	n/a	7/28/2023	0.04ND	No	17	-4.603	0.5005	5.882	None	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWA-50	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWA-50R	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-10R	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-11R	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-12	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	100	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-13	0.03966	n/a	8/1/2023	0.012J	No	17	0.01835	0.00794	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-13RZ	0.02265	n/a	8/2/2023	0.012J	No	17	0.01298	0.003603	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-14Z	0.04	n/a	8/1/2023	0.04ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15R	0.04	n/a	8/2/2023	0.04ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-15Z	0.04	n/a	8/1/2023	0.04ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-44	0.03258	n/a	7/26/2023	0.04ND	No	17	-4.509	0.4043	41.18	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Boron, total (mg/L)	GWC-45	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-45R	0.04	n/a	7/26/2023	0.0088J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-46R	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47	0.04	n/a	7/27/2023	0.012J	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-47R	0.04	n/a	7/27/2023	0.019J	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-48	0.04	n/a	7/26/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49R	0.04	n/a	7/27/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-49Z	0.04	n/a	7/27/2023	0.04ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-6RZ	0.04	n/a	7/28/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-7Z	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8RR	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	88.24	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-8Z	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	94.12	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.04	n/a	7/31/2023	0.04ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Calcium, total (mg/L)	GWA-1	36.35	n/a	7/27/2023	29.1	No	17	30.64	2.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2	82.96	n/a	7/27/2023	23.3	No	17	26.51	21.04	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-2R	61.92	n/a	7/27/2023	28	No	17	26.68	13.13	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39RZ	39.13	n/a	7/25/2023	35.7	No	17	34952	9306	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-39Z	34.91	n/a	7/26/2023	12.5	No	18	12.62	8.42	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-3A	19.4	n/a	8/1/2023	22.6	Yes	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWA-40	31.1	n/a	7/26/2023	18	No	17	21.34	3.637	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41	42.06	n/a	7/25/2023	10.8	No	17	18.81	8.667	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-41R	48.24	n/a	7/25/2023	36.7	No	17	33.1	5.641	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-42	38.83	n/a	7/26/2023	35.7	No	17	31.39	2.773	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43	19.26	n/a	7/25/2023	2.2	No	17	6.843	4.628	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-43R	33.92	n/a	7/25/2023	34.2	Yes	18	28.96	1.875	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-4RZ	59.92	n/a	7/28/2023	43	No	17	49.56	3.858	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWA-50	4.551	n/a	7/28/2023	1.3	No	17	1.458	0.2518	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWA-50R	13.06	n/a	7/28/2023	0.6J	No	17	4.392	3.23	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10	50.26	n/a	7/31/2023	33.7	No	17	29.44	7.761	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-10R	48.89	n/a	7/31/2023	42.5	No	17	40.76	3.028	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11	30.52	n/a	8/1/2023	23.1	No	17	16.75	5.131	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-11R	38.59	n/a	8/1/2023	30	No	17	26.59	4.472	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-12	9.546	n/a	8/1/2023	7.8	No	17	8.05	0.5575	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13	75.84	n/a	8/1/2023	33.5	No	17	45.15	11.44	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-13RZ	59.04	n/a	8/2/2023	40.6	No	17	1947	573.4	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-14Z	43.05	n/a	8/1/2023	12.5	No	17	20.97	8.227	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15R	45.82	n/a	8/2/2023	34.6	No	16	35.98	3.621	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-15Z	30.37	n/a	8/1/2023	24.5	No	17	13334	5471	0	None	x^3	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-44	21.15	n/a	7/26/2023	3.6	No	17	7.058	5.251	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45	1.009	n/a	7/26/2023	0.97J	No	17	0.8318	0.06622	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-45R	47.07	n/a	7/26/2023	45.7	No	17	35.37	4.358	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-46R	55.43	n/a	7/26/2023	37.7	No	17	44.66	4.014	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47	30.37	n/a	7/27/2023	17.3	No	17	23.26	2.649	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-47R	38.9	n/a	7/27/2023	27.9	No	17	30.52	3.123	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-48	11.53	n/a	7/26/2023	3.8	No	17	1.798	0.5951	5.882	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49R	31.57	n/a	7/27/2023	21.8	No	17	25.36	2.314	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-49Z	2.525	n/a	7/27/2023	0.61J	No	15	1.138	0.4971	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-5	12.1	n/a	7/28/2023	1.9	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	16.64	n/a	7/31/2023	14.6	No	16	14	0.9716	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-6RZ	15.25	n/a	7/28/2023	7.1	No	16	10.86	1.616	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-7Z	28.3	n/a	7/31/2023	23.6	No	17	23.72	1.707	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8RR	25.36	n/a	7/31/2023	23	No	17	22.19	1.179	0	None	No	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-8Z	27.37	n/a	7/31/2023	20.8	No	16	412.2	123.9	0	None	x^2	0.0002894	Param Intra 1 of 2
Calcium, total (mg/L)	GWC-9	41.78	n/a	7/31/2023	11.6	No	17	2.708	1.4	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-1	0.1269	n/a	7/27/2023	0.054J	No	17	0.05491	0.02684	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-2	0.17	n/a	7/27/2023	0.057J	No	16	n/a	n/a	56.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-2R	0.1	n/a	7/27/2023	0.062J	No	17	n/a	n/a	47.06	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWA-39RZ	0.2585	n/a	7/25/2023	0.1ND	No	17	0.2579	0.09337	29.41	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-39Z	0.1189	n/a	7/26/2023	0.055J	No	17	0.05128	0.0252	41.18	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-3A	0.1	n/a	8/1/2023	0.1ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-40	0.11	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41	0.1	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-41R	0.12	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-42	0.1	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43	0.1	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-43R	0.1	n/a	7/25/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-4RZ	0.3209	n/a	7/28/2023	0.077J	No	17	0.1707	0.05596	5.882	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWA-50	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWA-50R	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10	0.1	n/a	7/31/2023	0.07J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-10R	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11	0.1	n/a	8/1/2023	0.05J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-11R	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-12	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13	0.24	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-13RZ	0.2957	n/a	8/2/2023	0.14	No	17	0.144	0.05653	11.76	None	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-14Z	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	58.82	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15R	0.1	n/a	8/2/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-15Z	0.1	n/a	8/1/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-44	0.1998	n/a	7/26/2023	0.1ND	No	18	0.0679	0.04985	27.78	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Fluoride, total (mg/L)	GWC-45	0.1	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-45R	0.14	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

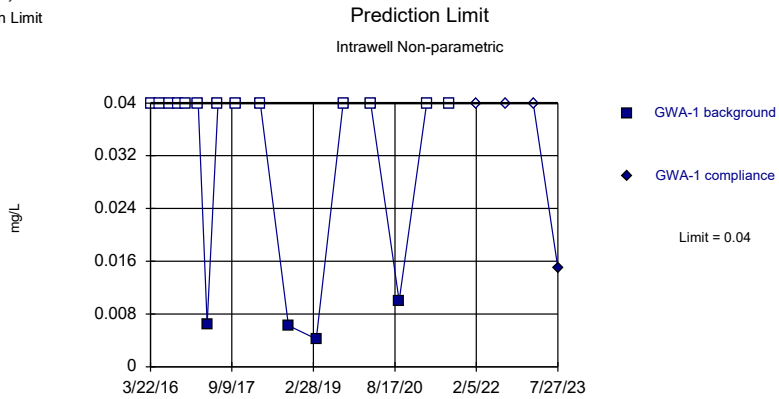
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-46R	0.1	n/a	7/26/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-47	0.13	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Fluoride, total (mg/L)	GWC-47R	0.13	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-48	0.1	n/a	7/26/2023	0.068J	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49R	0.1	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-49Z	0.1	n/a	7/27/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-5	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	76.47	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-6RZ	0.1	n/a	7/28/2023	0.1ND	No	17	n/a	n/a	70.59	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-7Z	0.22	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	64.71	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8RR	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-8Z	0.1	n/a	7/31/2023	0.056J	No	17	n/a	n/a	52.94	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Fluoride, total (mg/L)	GWC-9	0.1	n/a	7/31/2023	0.1ND	No	17	n/a	n/a	82.35	n/a	n/a	0.005914	NP Intra (NDs) 1 of 2
Sulfate, total (mg/L)	GWA-1	2.711	n/a	7/27/2023	1.4	No	17	1.552	0.4319	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2	179.3	n/a	7/27/2023	44	No	17	54.87	46.38	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-2R	34.3	n/a	7/27/2023	17.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-39RZ	29.35	n/a	7/25/2023	4.9	No	17	10.86	6.891	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-39Z	9.901	n/a	7/26/2023	1.5	No	17	3.753	2.291	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-3A	5.4	n/a	8/1/2023	3	No	16	n/a	n/a	12.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWA-40	7.784	n/a	7/26/2023	1.4	No	18	0.4574	0.6025	5.556	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41	19.9	n/a	7/25/2023	1.1	No	17	0.9897	0.7457	0	None	ln(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-41R	13.45	n/a	7/25/2023	3	No	17	5.663	2.903	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-42	2.63	n/a	7/26/2023	1.1	No	17	1.587	0.3887	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43	1.928	n/a	7/25/2023	1ND	No	17	0.7687	0.432	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-43R	10.68	n/a	7/25/2023	2.6	No	17	5.664	1.871	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-4RZ	28.58	n/a	7/28/2023	19.6	No	18	21.14	2.813	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50	1.031	n/a	7/28/2023	0.53J	No	17	0.6803	0.1308	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWA-50R	1.69	n/a	7/28/2023	0.71J	No	17	0.9694	0.2687	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10	2.213	n/a	7/31/2023	1.6	No	17	1.356	0.3195	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-10R	2.272	n/a	7/31/2023	1.3	No	17	1.406	0.3226	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11	3.941	n/a	8/1/2023	2.1	No	17	2.457	0.553	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-11R	4.739	n/a	8/1/2023	1.9	No	17	2.51	0.8307	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-12	1	n/a	8/1/2023	1ND	No	17	n/a	n/a	41.18	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-13	196.5	n/a	8/1/2023	28.8	No	17	69.62	47.29	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-13RZ	107.1	n/a	8/2/2023	55.5	No	17	56.66	18.8	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-14Z	11.83	n/a	8/1/2023	6.6	No	16	4.35	2.75	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15R	13.96	n/a	8/2/2023	4.7	No	17	9.185	1.78	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-15Z	15.09	n/a	8/1/2023	0.73J	No	17	1.728	0.8034	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-44	62.46	n/a	7/26/2023	8.1	No	17	21.93	15.1	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45	1.552	n/a	7/26/2023	0.74J	No	17	0.8033	0.2791	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-45R	5.471	n/a	7/26/2023	3.5	No	17	1.754	0.2182	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-46R	9.434	n/a	7/26/2023	4	No	17	6.619	1.049	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47	5.577	n/a	7/27/2023	5	No	17	4.314	0.471	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-47R	15.96	n/a	7/27/2023	10.9	No	17	9.402	2.446	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-48	20.2	n/a	7/26/2023	5.3	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate, total (mg/L)	GWC-49R	6.244	n/a	7/27/2023	2.3	No	18	1.819	0.2569	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-49Z	3.084	n/a	7/27/2023	0.97J	No	14	1.807	0.4463	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-5	2.174	n/a	7/28/2023	1.4	No	17	1.416	0.2824	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6	3.803	n/a	7/31/2023	1.7	No	17	2.289	0.564	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-6RZ	3.425	n/a	7/28/2023	1.7	No	17	1.962	0.5452	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-7Z	2.37	n/a	7/31/2023	1.1	No	17	0.9735	0.5205	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8RR	2.1	n/a	7/31/2023	0.86J	No	17	1.018	0.4031	5.882	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-8Z	4.465	n/a	7/31/2023	0.81J	No	17	1.967	0.931	0	None	No	0.0002894	Param Intra 1 of 2
Sulfate, total (mg/L)	GWC-9	4.753	n/a	7/31/2023	4.1	No	17	2.308	0.9112	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-1	190.4	n/a	7/27/2023	167	No	17	153.2	13.85	0	None	No	0.0002894	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:02 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/l)	GWA-2	398.6	n/a	7/27/2023	177	No	17	138.3	97.02	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-2R	237.6	n/a	7/27/2023	155	No	17	120.5	43.64	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39RZ	258.4	n/a	7/25/2023	158	No	17	165.8	34.53	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-39Z	169.9	n/a	7/26/2023	57	No	16	69.56	36.89	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-3A	121	n/a	8/1/2023	113	No	16	3.37	0.5244	31.25	Kaplan-Meier	ln(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-40	169.9	n/a	7/26/2023	70	No	17	103.5	24.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41	203.5	n/a	7/25/2023	43	No	17	85.94	43.82	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-41R	269.7	n/a	7/25/2023	162	No	17	159.5	41.05	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-42	186.7	n/a	7/26/2023	134	No	17	134.1	19.58	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43	91.52	n/a	7/25/2023	25ND	No	17	36.44	20.53	17.65	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-43R	191.5	n/a	7/25/2023	167	No	17	139.8	19.27	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-4RZ	425.2	n/a	7/28/2023	243	No	17	15.84	1.782	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50	46.57	n/a	7/28/2023	25ND	No	17	21.74	9.254	29.41	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWA-50R	96.25	n/a	7/28/2023	25ND	No	17	33.65	23.33	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10	208.4	n/a	7/31/2023	143	No	17	125.3	30.95	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-10R	244.5	n/a	7/31/2023	144	No	17	147	36.34	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11	151.3	n/a	8/1/2023	121	No	17	91.59	22.25	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-11R	176.7	n/a	8/1/2023	151	No	17	130.5	17.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-12	104	n/a	8/1/2023	63	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13	419.1	n/a	8/1/2023	197	No	17	214.5	76.23	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-13RZ	363	n/a	8/2/2023	282	No	17	66958	24165	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-14Z	286.7	n/a	8/1/2023	83	No	17	10.28	2.48	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15R	238.8	n/a	8/2/2023	136	No	17	167.6	26.5	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-15Z	223.8	n/a	8/1/2023	114	No	17	117.9	39.46	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-44	201.1	n/a	7/26/2023	32	No	18	6.914	2.746	16.67	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45	52.55	n/a	7/26/2023	25ND	No	17	4.146	1.156	41.18	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-45R	251.4	n/a	7/26/2023	186	No	17	165.1	32.17	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-46R	298.8	n/a	7/26/2023	206	No	17	233.9	24.2	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47	176.7	n/a	7/27/2023	105	No	17	125.5	19.06	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-47R	200.3	n/a	7/27/2023	154	No	17	21576	6910	0	None	x^2	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-48	98.66	n/a	7/26/2023	33	No	17	5.376	1.698	23.53	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49R	191	n/a	7/27/2023	117	No	17	124.8	24.67	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-49Z	64.75	n/a	7/27/2023	25ND	No	17	31.83	12.27	23.53	Kaplan-Meier	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-5	123.8	n/a	7/28/2023	25ND	No	17	5.754	2.001	17.65	Kaplan-Meier	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6	164.9	n/a	7/31/2023	77	No	17	8.794	1.509	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-6RZ	164.6	n/a	7/28/2023	46	No	17	69.88	35.29	5.882	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-7Z	172	n/a	7/31/2023	113	No	17	121	19	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8RR	133.8	n/a	7/31/2023	96	No	17	107.8	9.712	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-8Z	186	n/a	7/31/2023	97	No	17	111.5	27.74	0	None	No	0.0002894	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/l)	GWC-9	175.8	n/a	7/31/2023	62	No	17	57.85	43.95	5.882	None	No	0.0002894	Param Intra 1 of 2

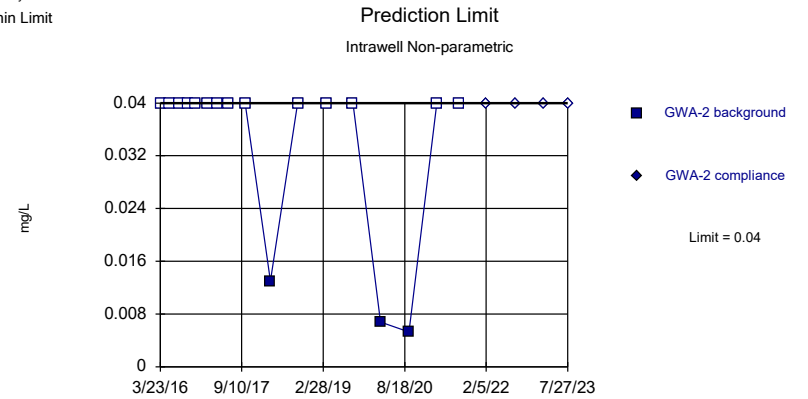
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

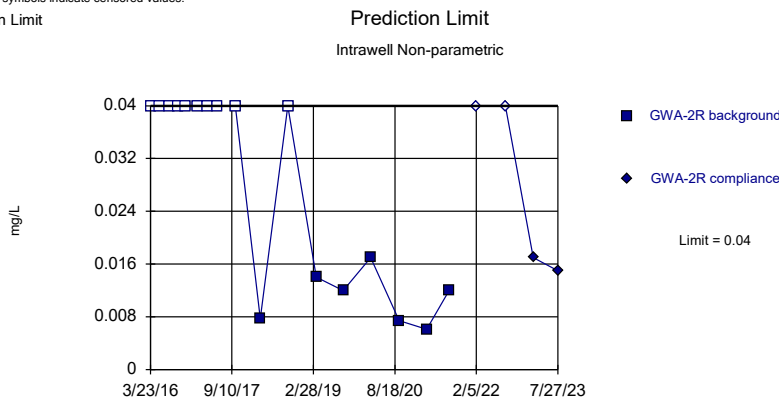
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

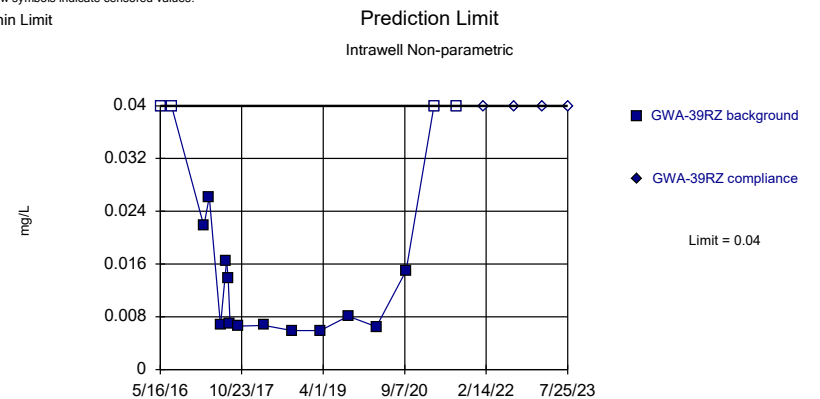
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

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Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

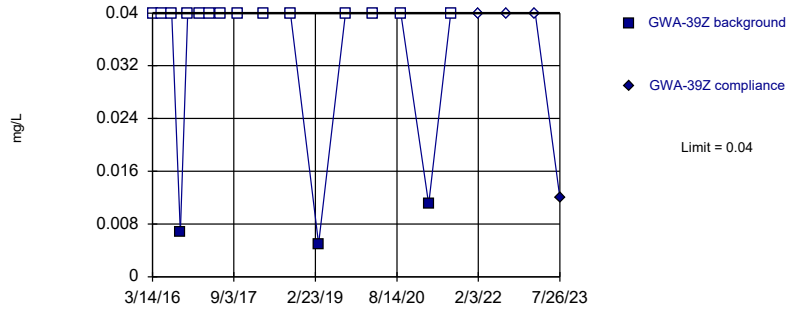


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 23.53% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:52 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

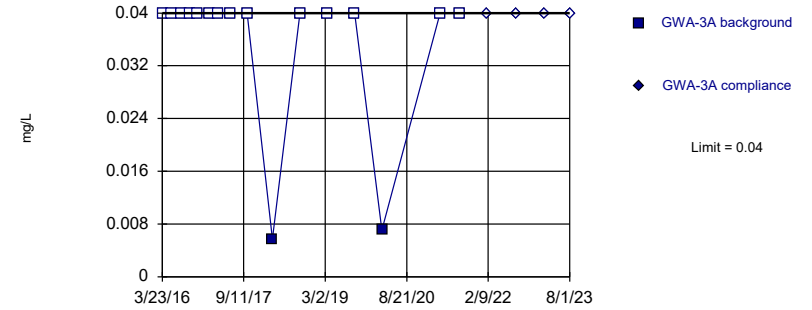


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:52 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

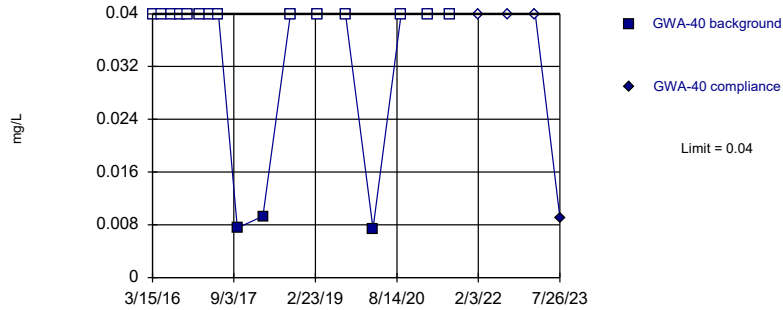


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:52 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

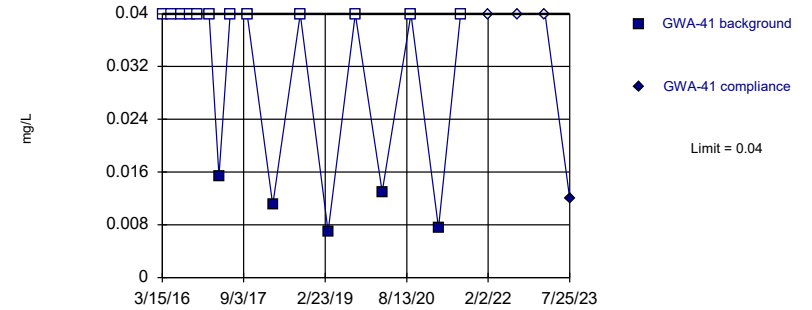


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:52 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

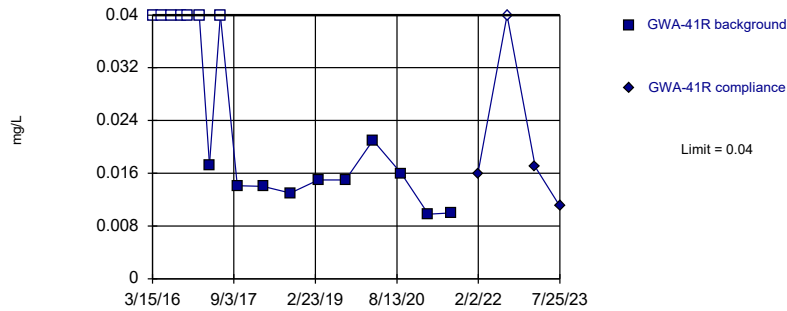


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:52 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

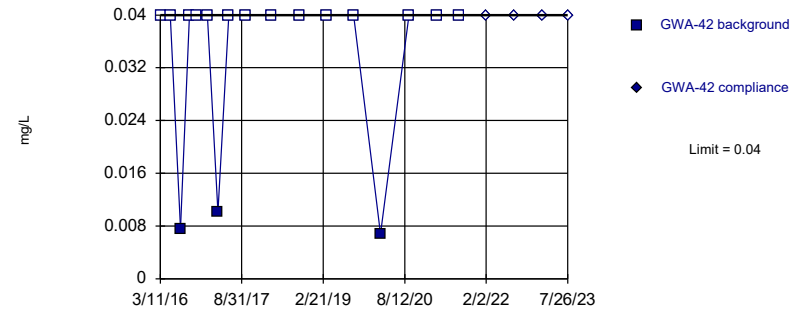


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

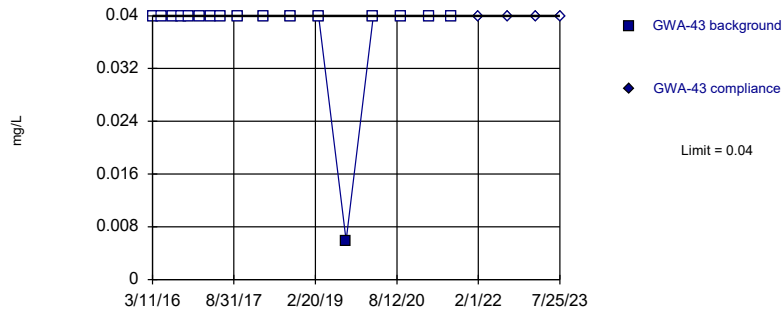


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

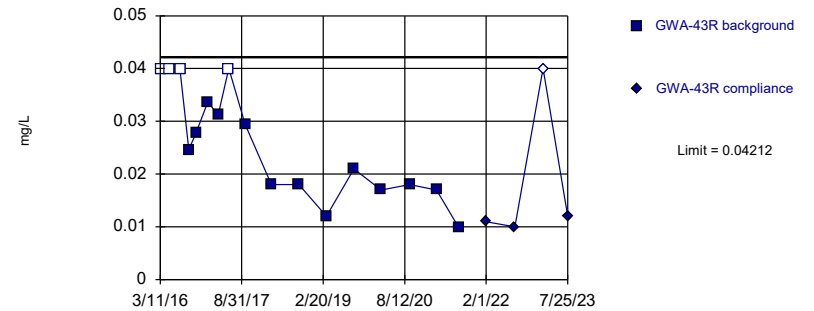


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

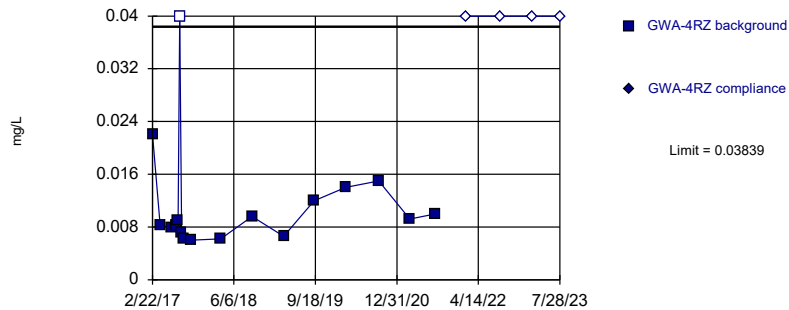


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.02003, Std. Dev.=0.008233, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9058, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

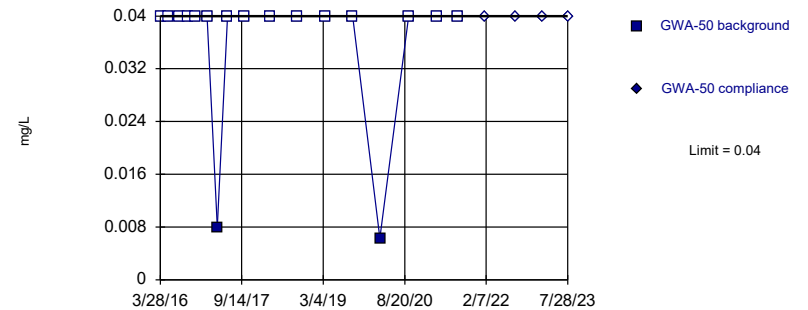


Background Data Summary (based on natural log transformation): Mean=-4.603, Std. Dev.=0.5005, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.855, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

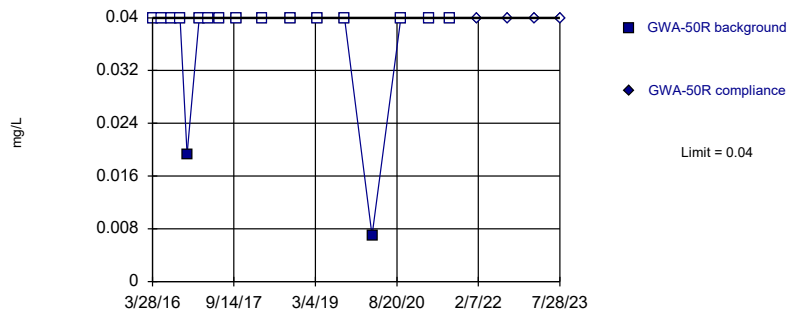


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

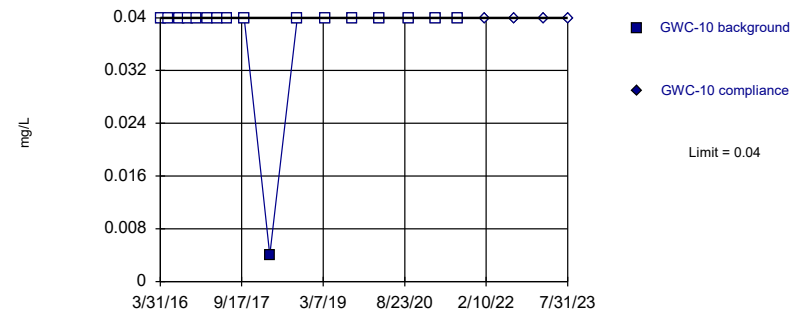


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

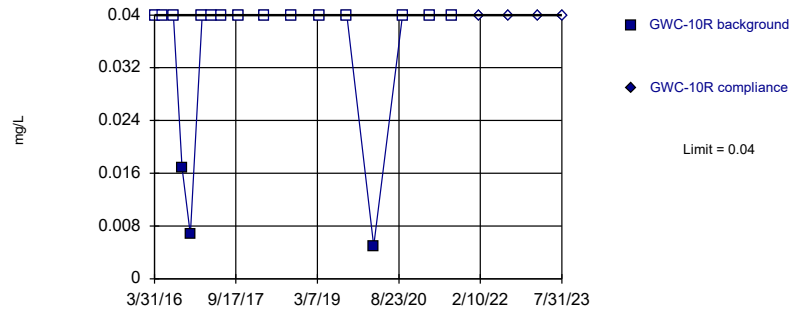


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

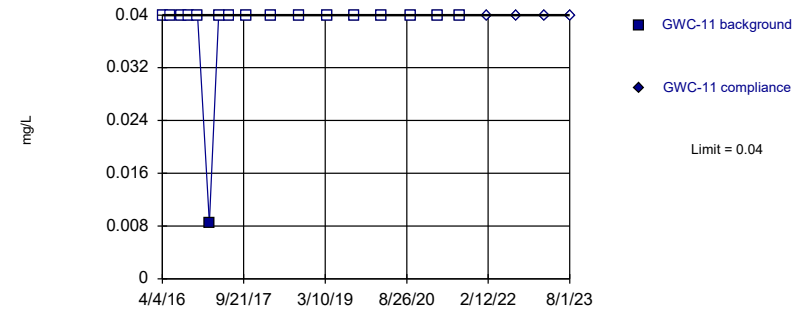


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

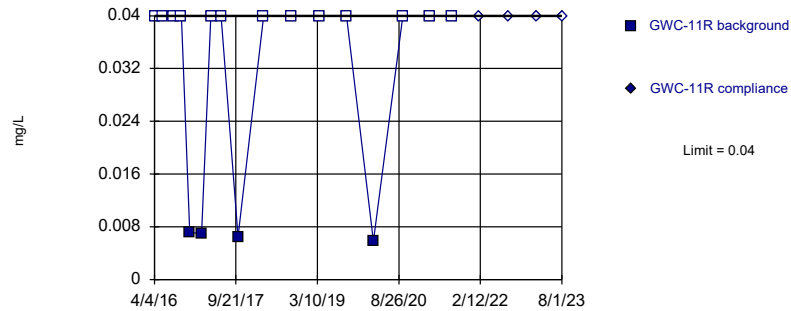


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

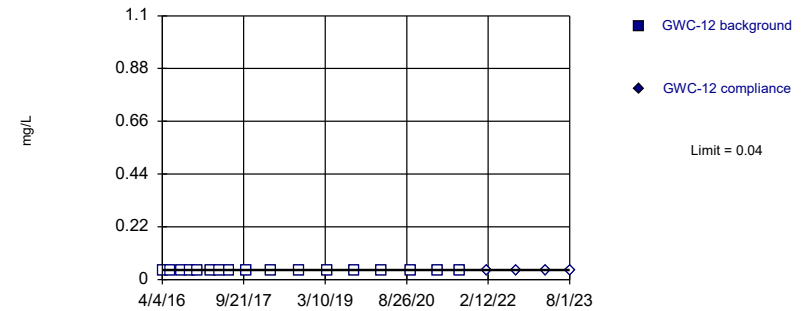


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

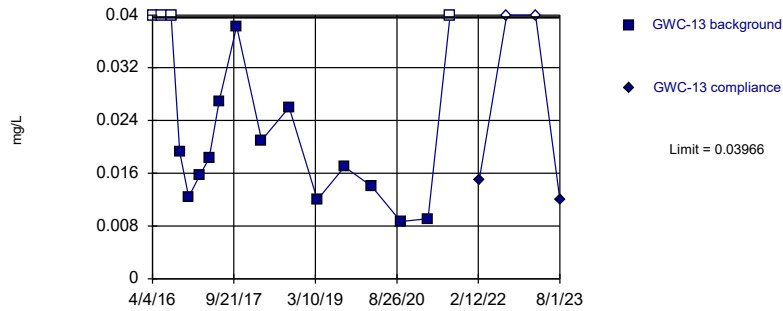


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 17) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

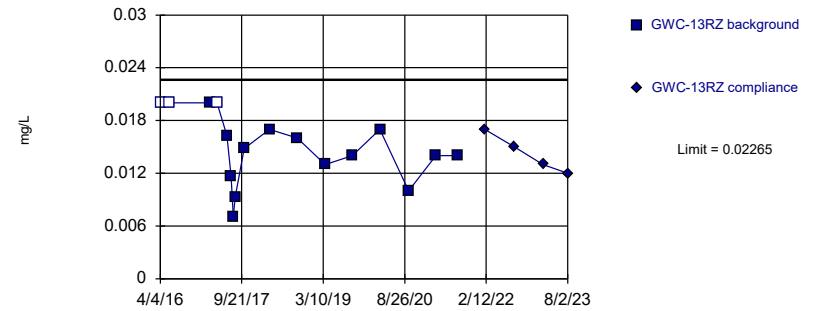


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01835, Std. Dev.=0.00794, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8577, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

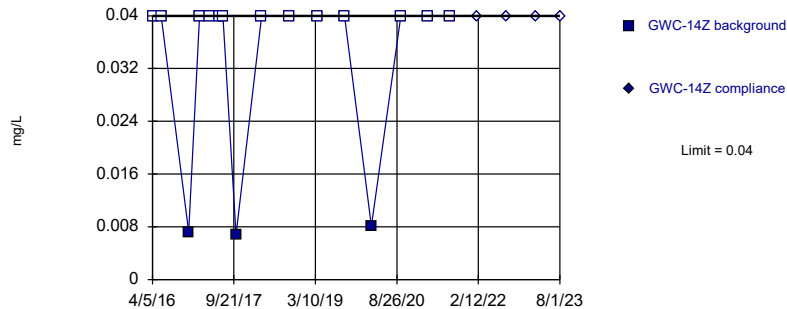


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01298, Std. Dev.=0.003603, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

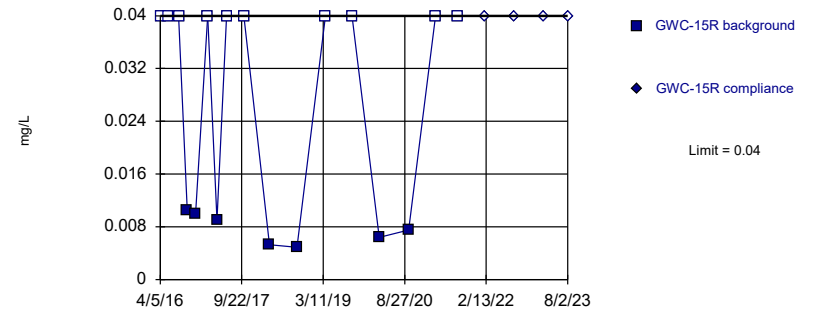


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

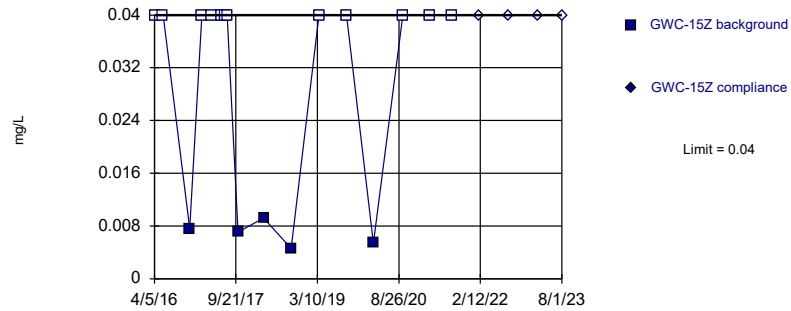


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

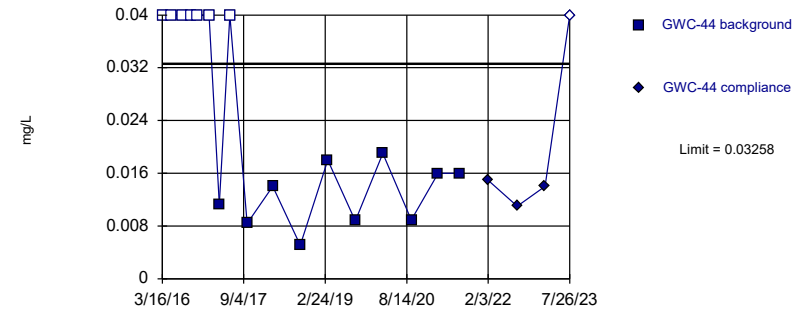


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

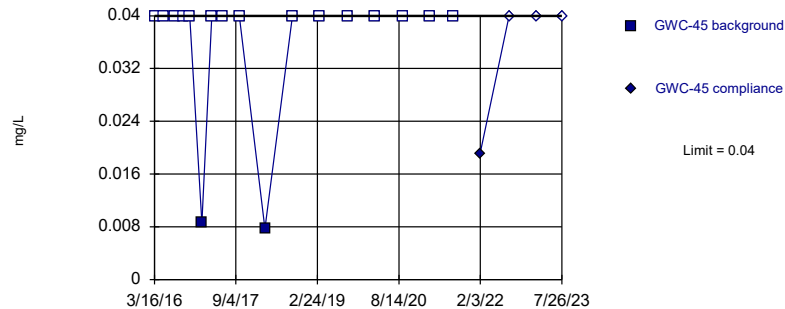


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-4.509, Std. Dev.=0.4043, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8592, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

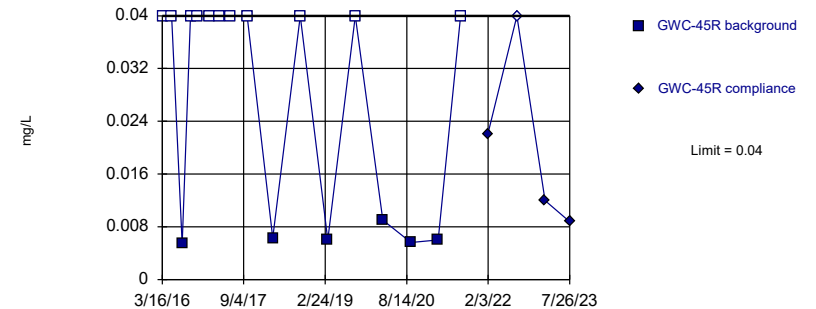


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

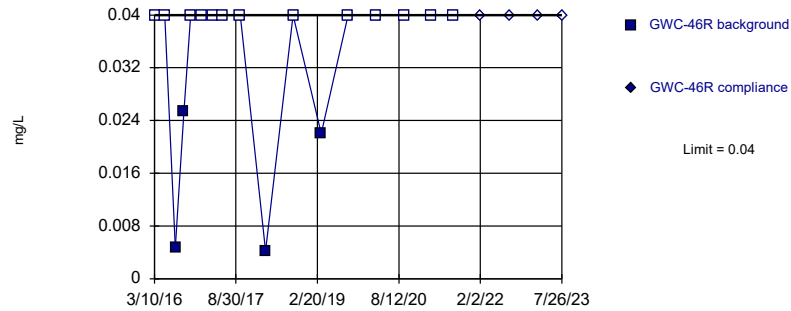


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

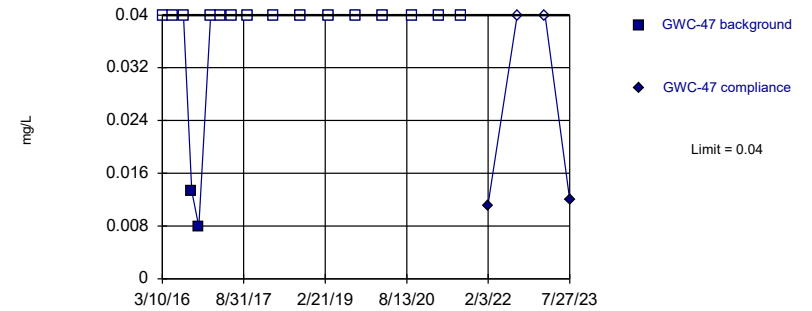


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

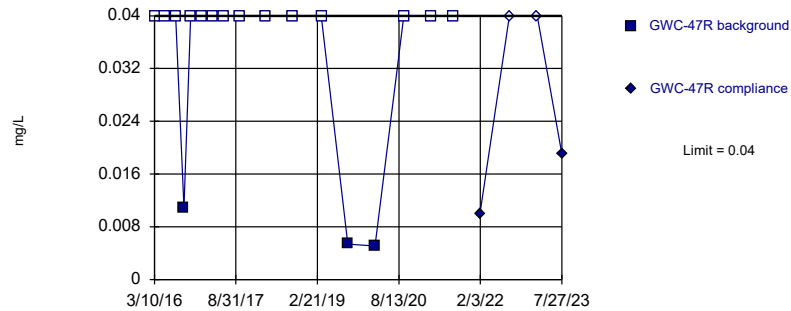


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

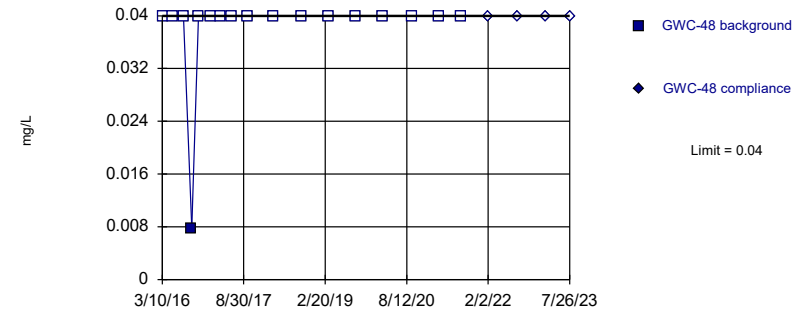


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

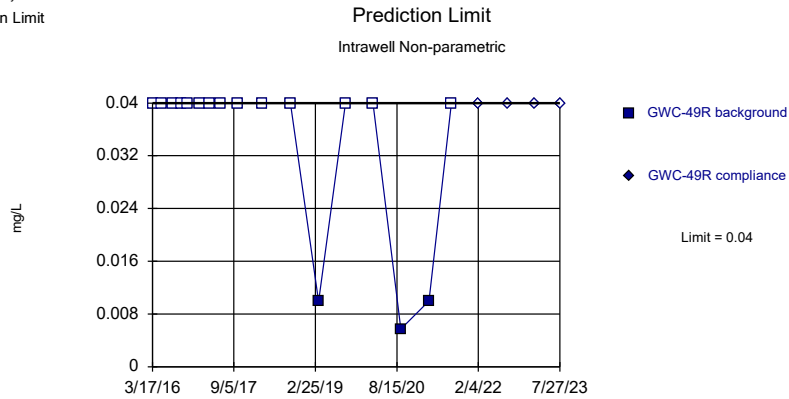
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

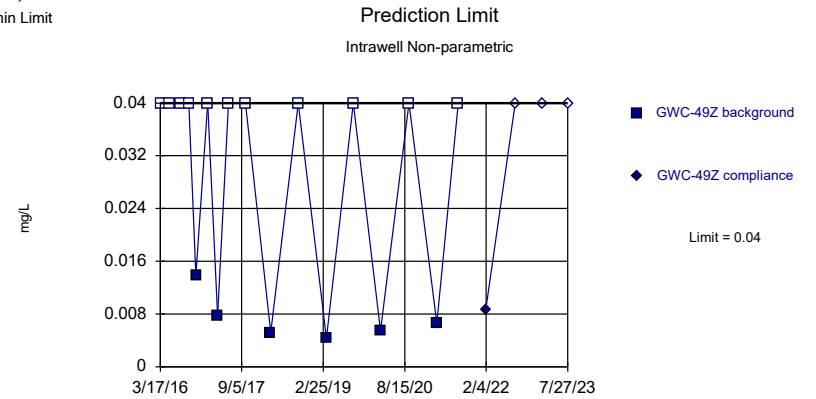
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

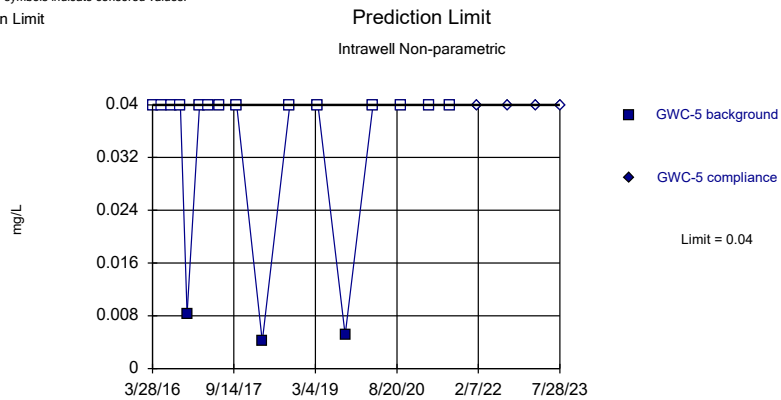
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

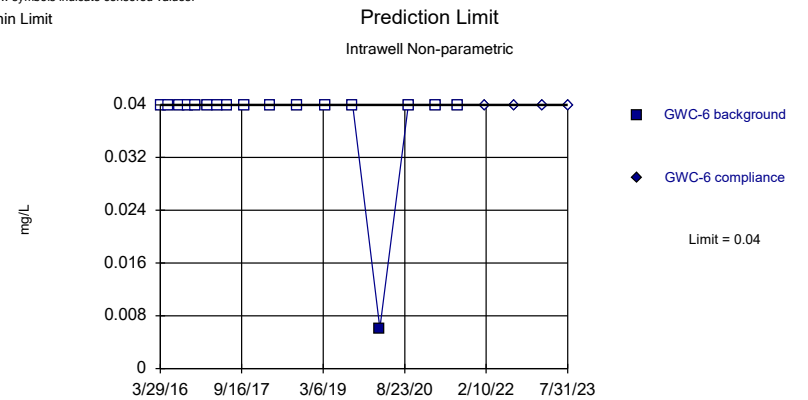
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

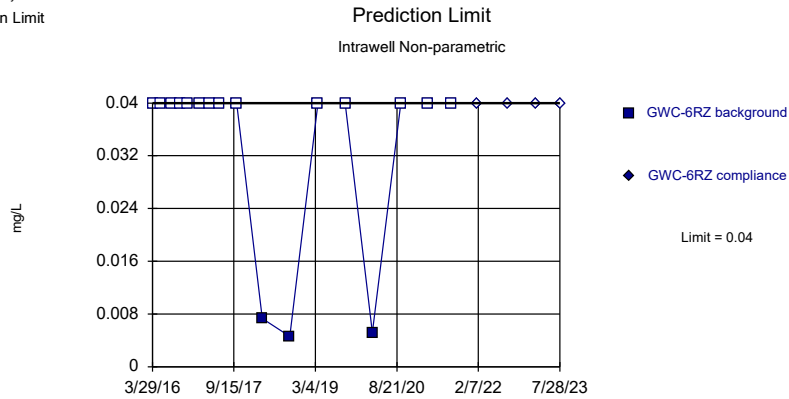
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

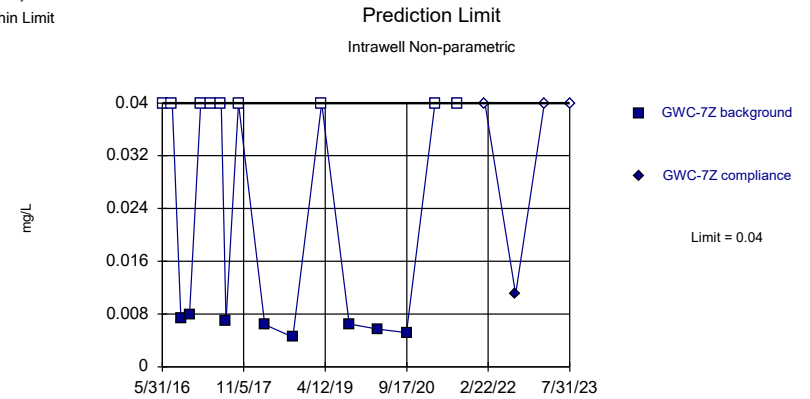
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

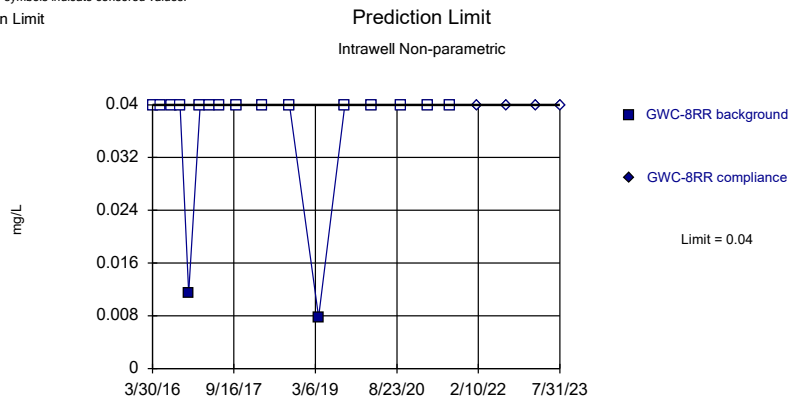
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

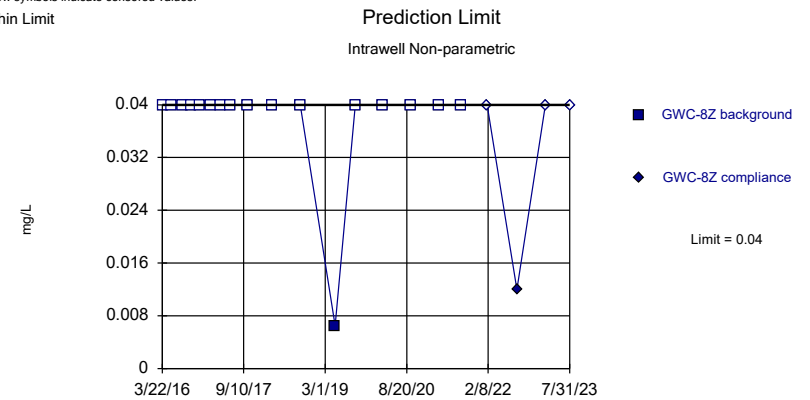
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 88.24% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

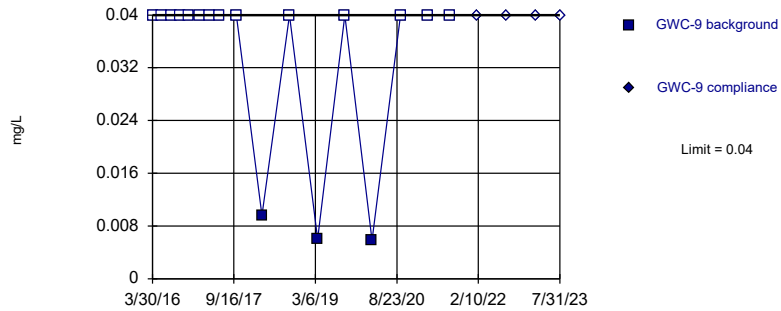


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 94.12% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

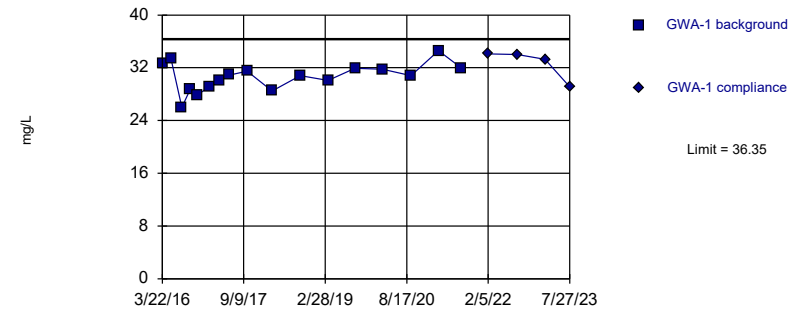


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Boron, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

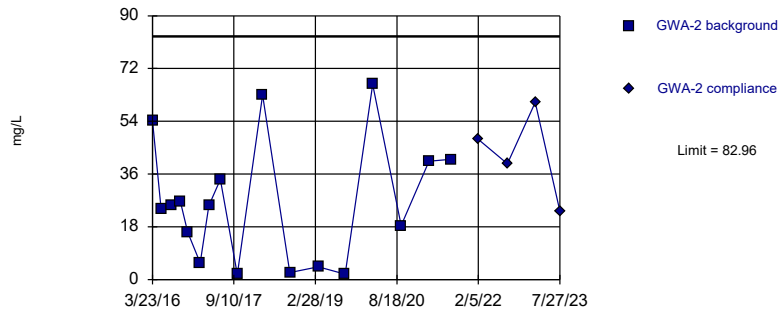


Background Data Summary: Mean=30.64, Std. Dev.=2.13, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9879, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

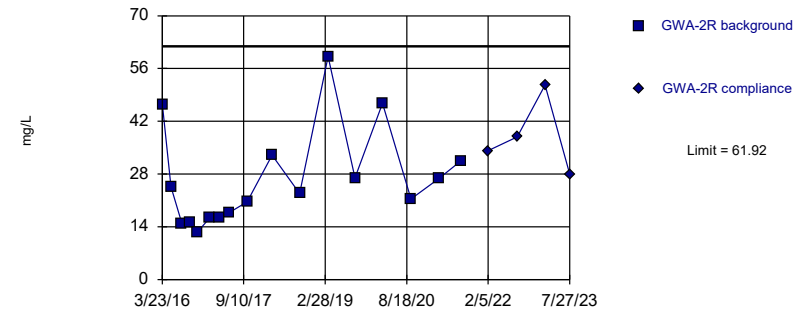


Background Data Summary: Mean=26.51, Std. Dev.=21.04, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9185, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

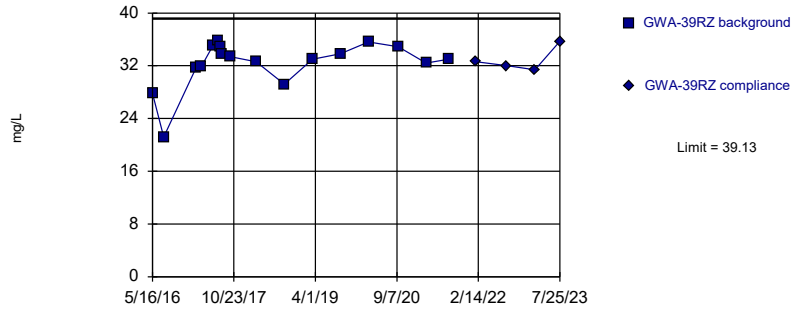
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=26.68, Std. Dev.=13.13, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.86, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

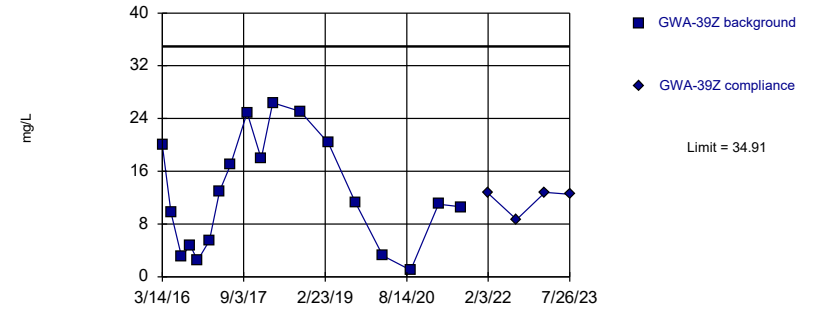
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=34952, Std. Dev.=9306, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8852, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

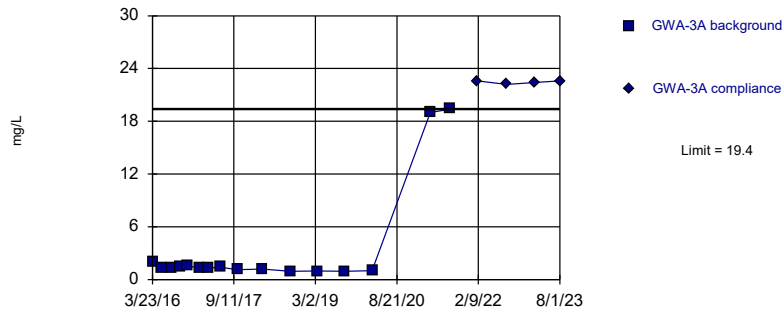
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=12.62, Std. Dev.=8.42, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

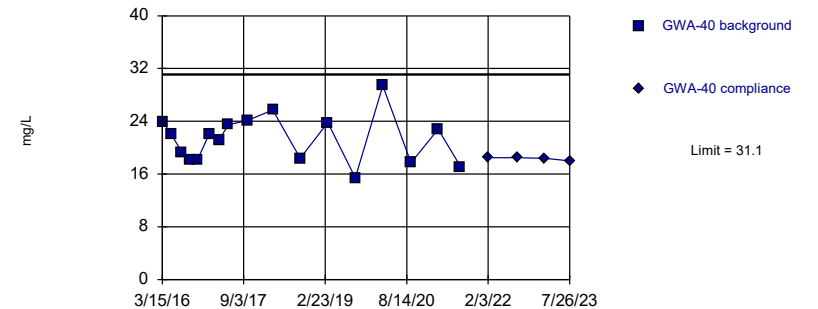
Exceeds Limit Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit
Intrawell Parametric

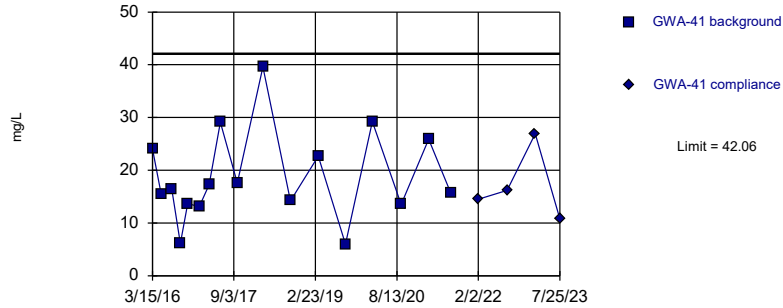


Background Data Summary: Mean=21.34, Std. Dev.=3.637, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9605, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

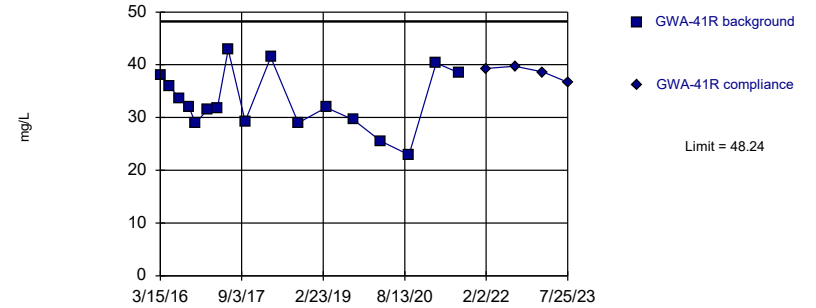


Background Data Summary: Mean=18.81, Std. Dev.=8.667, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.934, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

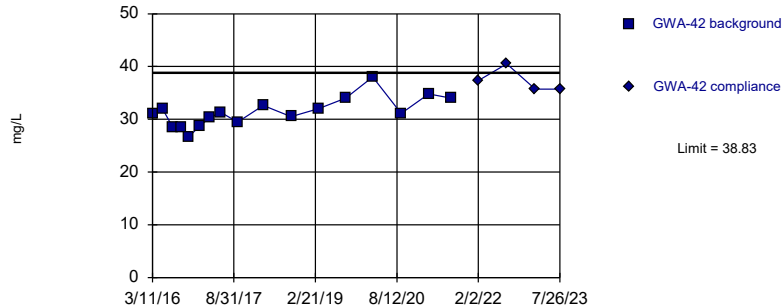


Background Data Summary: Mean=33.1, Std. Dev.=5.641, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9609, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

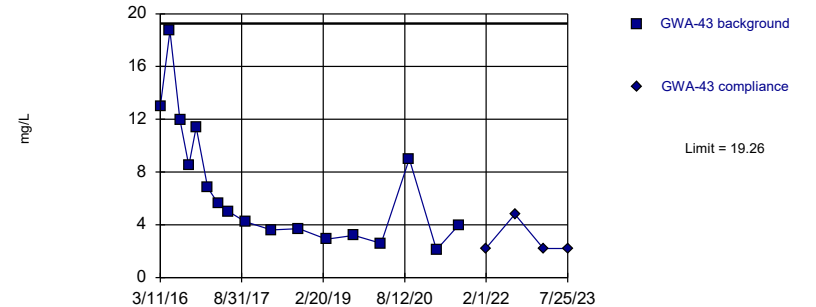


Background Data Summary: Mean=31.39, Std. Dev.=2.773, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9691, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

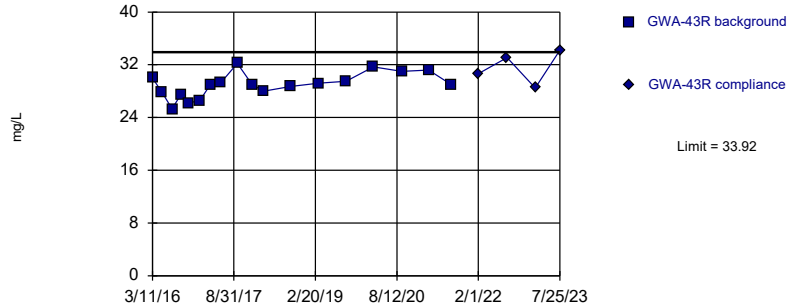


Background Data Summary: Mean=6.843, Std. Dev.=4.628, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8631, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limit

Prediction Limit
Intrawell Parametric

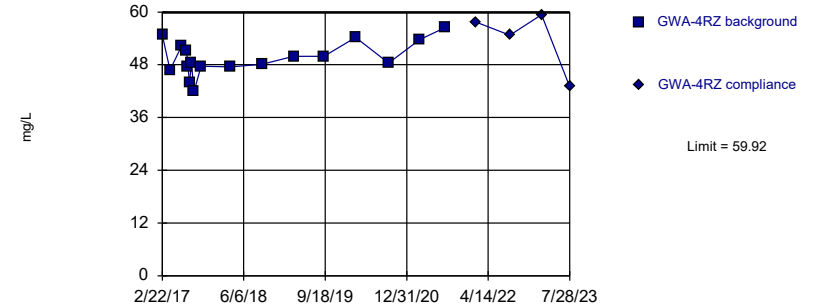


Background Data Summary: Mean=28.96, Std. Dev.=1.875, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9746, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

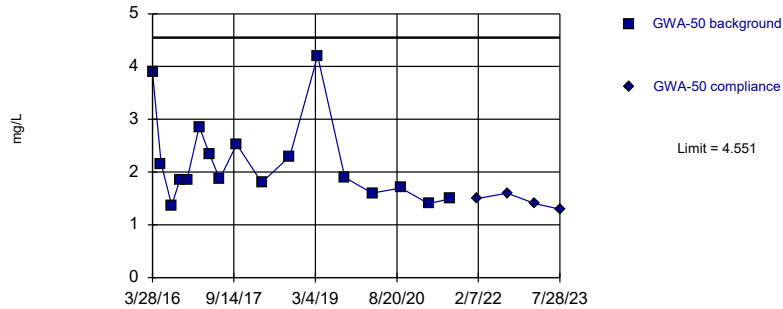


Background Data Summary: Mean=49.56, Std. Dev.=3.858, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9676, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

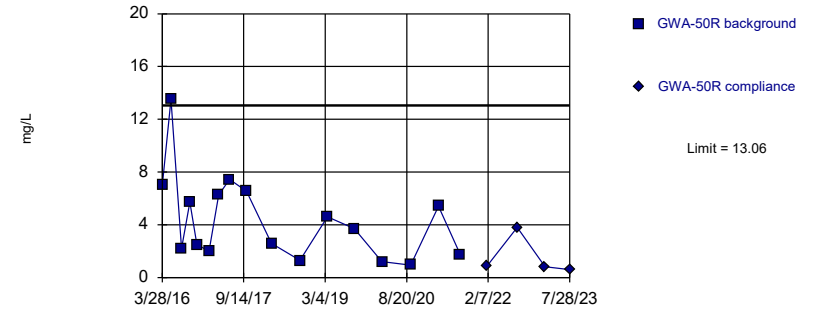


Background Data Summary (based on square root transformation): Mean=1.458, Std. Dev.=0.2518, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8714, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

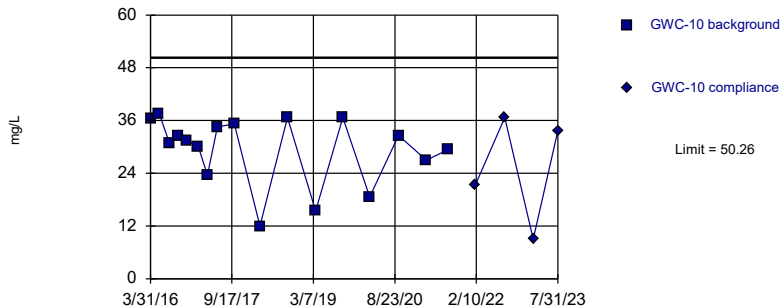


Background Data Summary: Mean=4.392, Std. Dev.=3.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8664, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

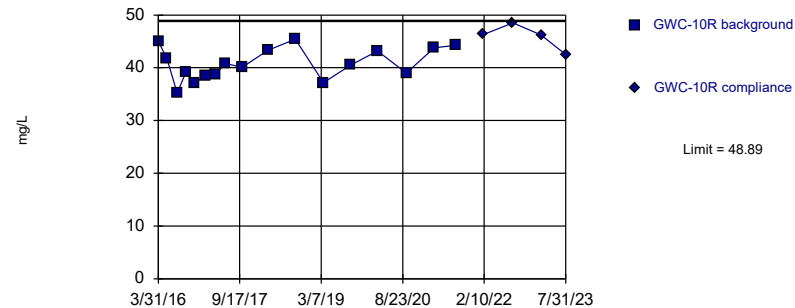


Background Data Summary: Mean=29.44, Std. Dev.=7.761, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8667, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

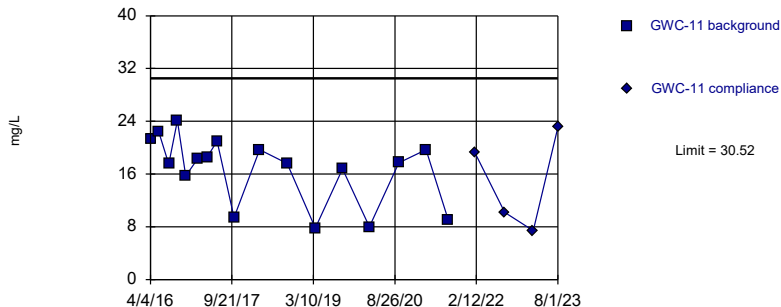


Background Data Summary: Mean=40.76, Std. Dev.=3.028, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9606, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

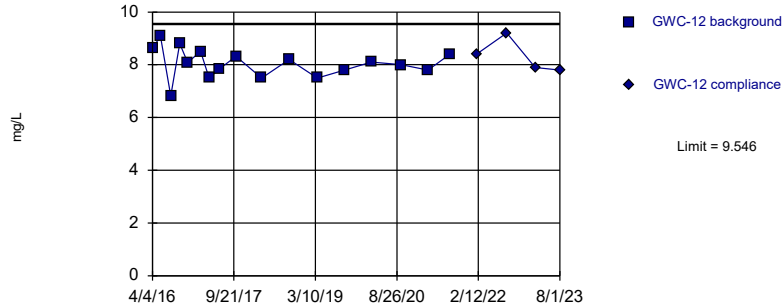
Within Limit

Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

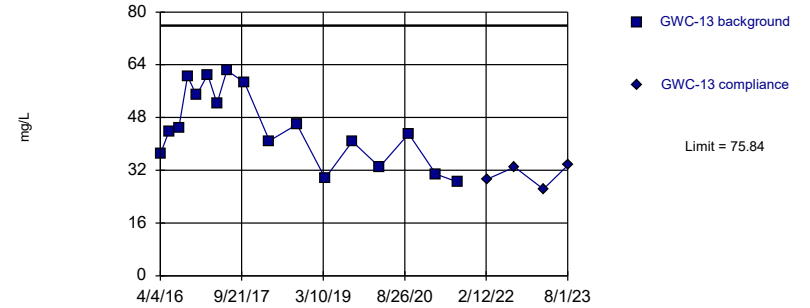


Background Data Summary: Mean=8.05, Std. Dev.=0.5575, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

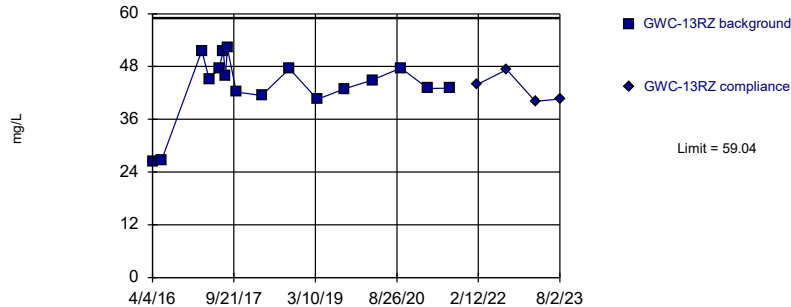


Background Data Summary: Mean=45.15, Std. Dev.=11.44, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9329, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

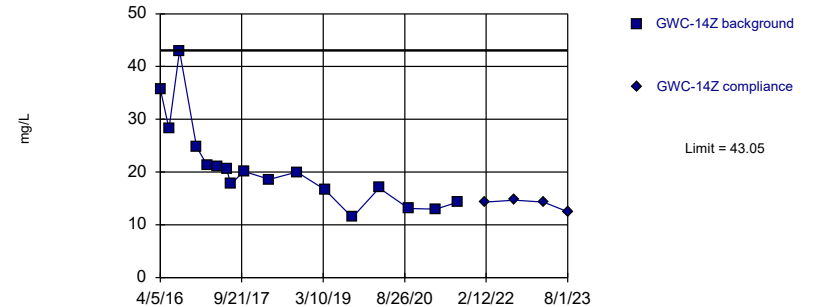


Background Data Summary (based on square transformation): Mean=1947, Std. Dev.=573.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8872, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

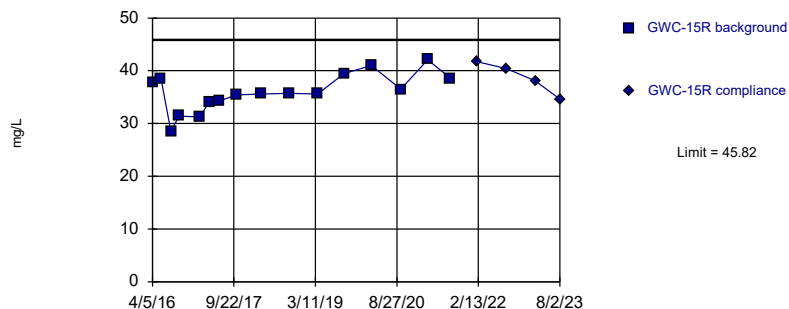


Background Data Summary: Mean=20.97, Std. Dev.=8.227, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8565, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

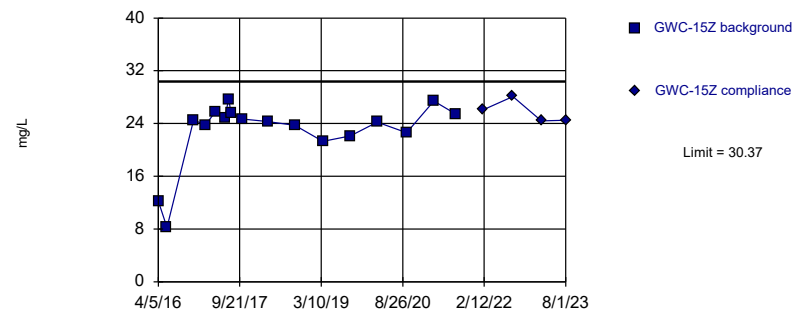


Background Data Summary: Mean=35.98, Std. Dev.=3.621, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9765, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

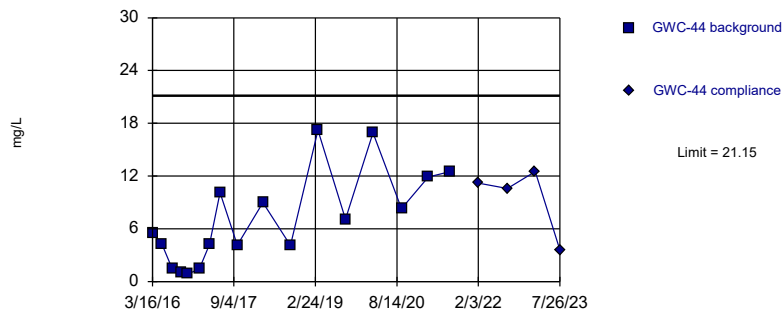


Background Data Summary (based on cube transformation): Mean=13334, Std. Dev.=5471, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8822, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:53 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

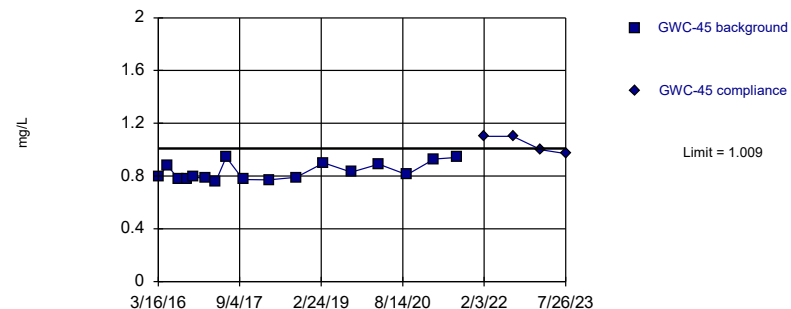


Background Data Summary: Mean=7.058, Std. Dev.=5.251, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.912, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

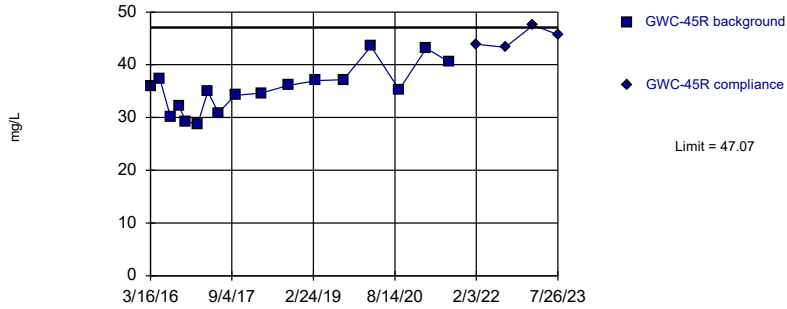
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.8318, Std. Dev.=0.06622, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8519, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

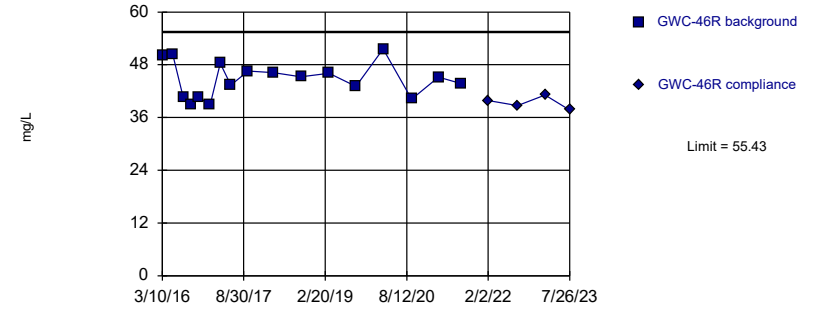
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=35.37, Std. Dev.=4.358, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9519, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

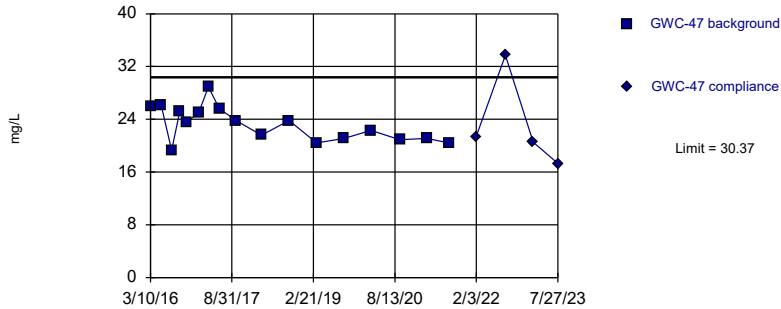
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=44.66, Std. Dev.=4.014, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9542, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

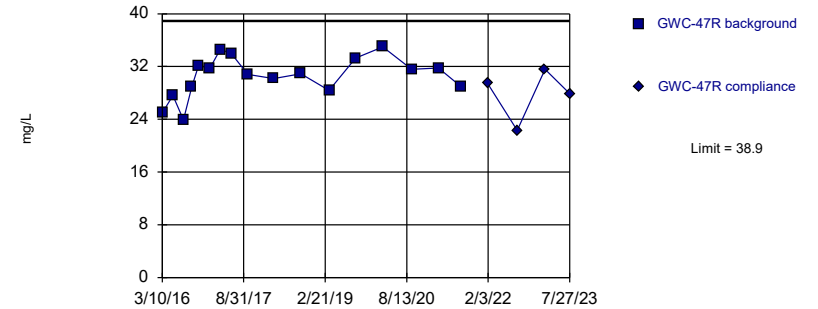
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=23.26, Std. Dev.=2.649, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9486, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit
Intrawell Parametric

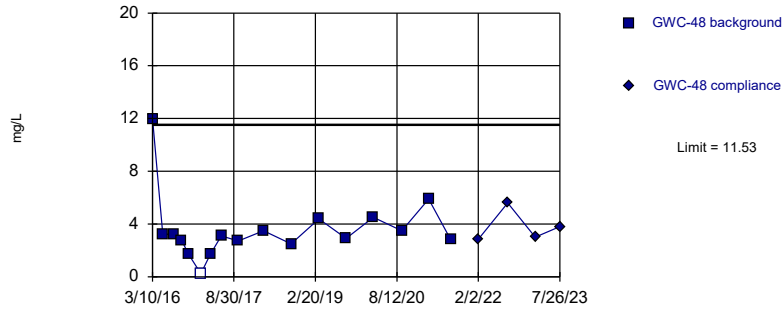


Background Data Summary: Mean=30.52, Std. Dev.=3.123, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9535, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

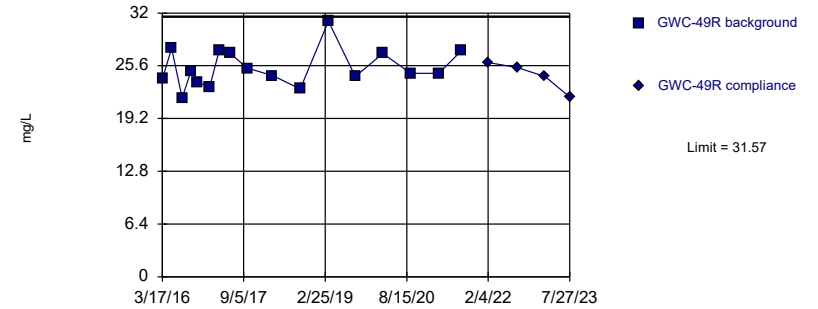


Background Data Summary (based on square root transformation): Mean=1.798, Std. Dev.=0.5951, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8711, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

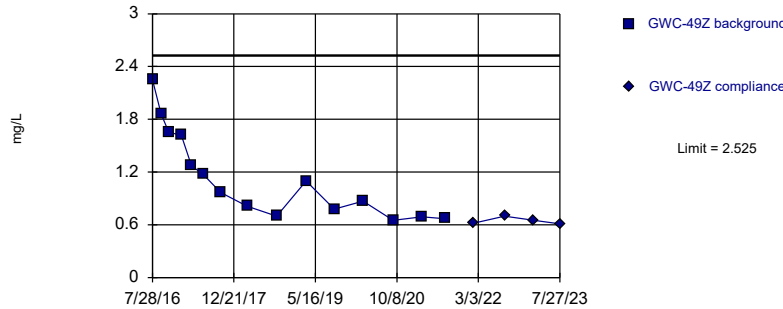


Background Data Summary: Mean=25.36, Std. Dev.=2.314, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9407, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

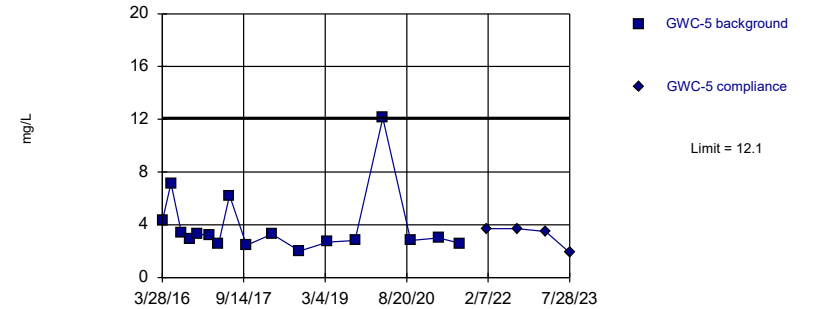


Background Data Summary: Mean=1.138, Std. Dev.=0.4971, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.835. Kappa = 2.79 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

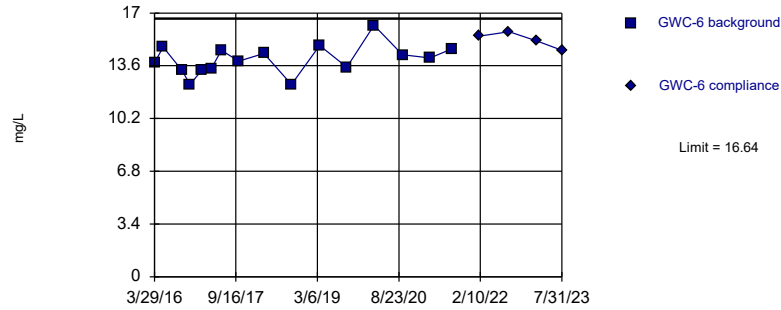


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

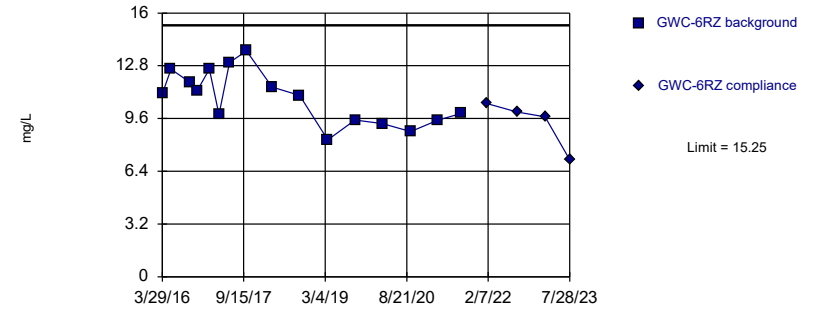


Background Data Summary: Mean=14, Std. Dev.=0.9716, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9621, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

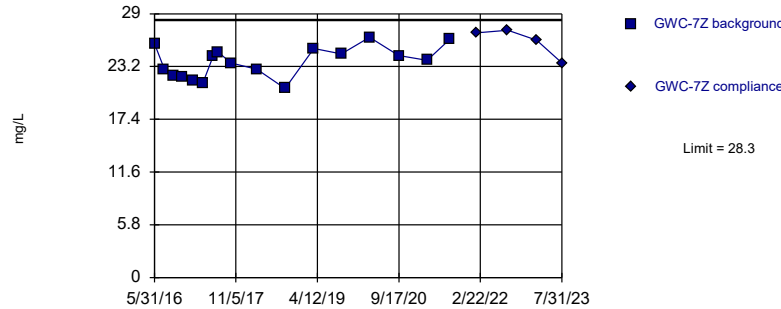


Background Data Summary: Mean=10.86, Std. Dev.=1.616, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9596, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

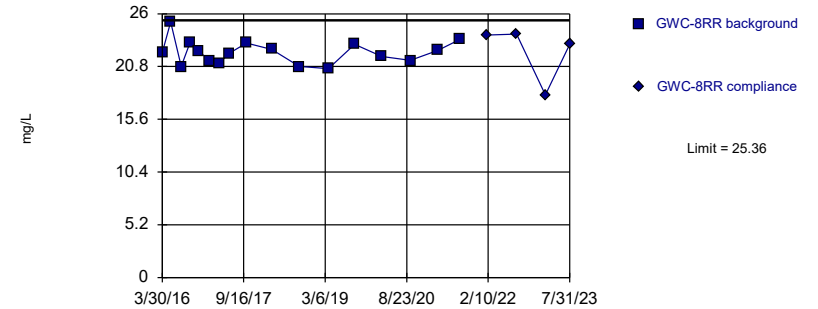


Background Data Summary: Mean=23.72, Std. Dev.=1.707, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

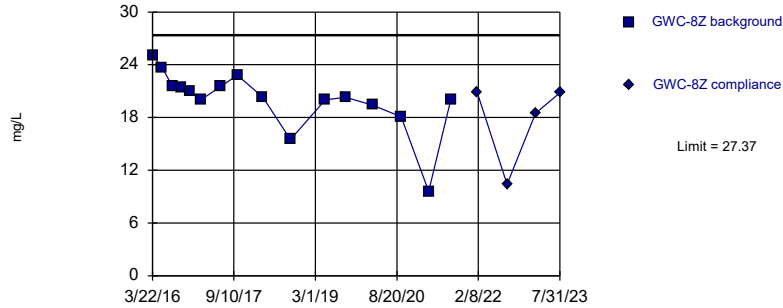


Background Data Summary: Mean=22.19, Std. Dev.=1.179, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9384, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

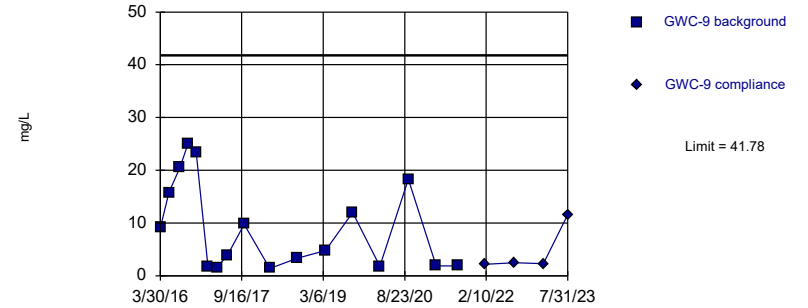


Background Data Summary (based on square transformation): Mean=412.2, Std. Dev.=123.9, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

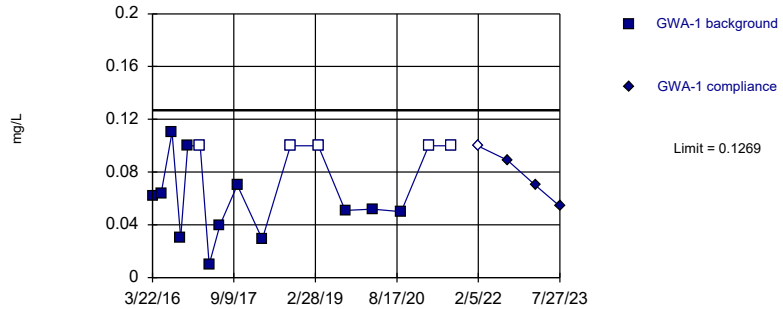


Background Data Summary (based on square root transformation): Mean=2.708, Std. Dev.=1.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8699, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Calcium, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

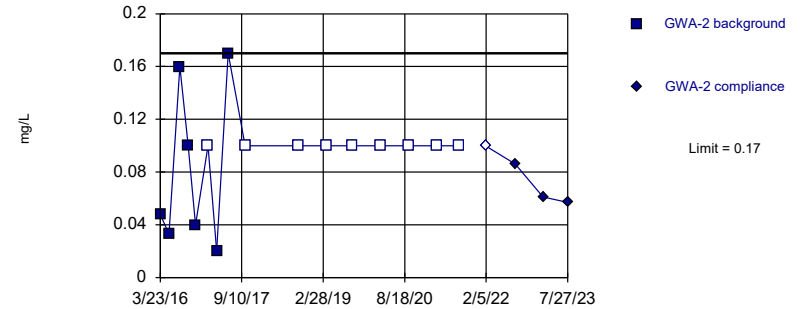


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.05491, Std. Dev.=0.02684, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

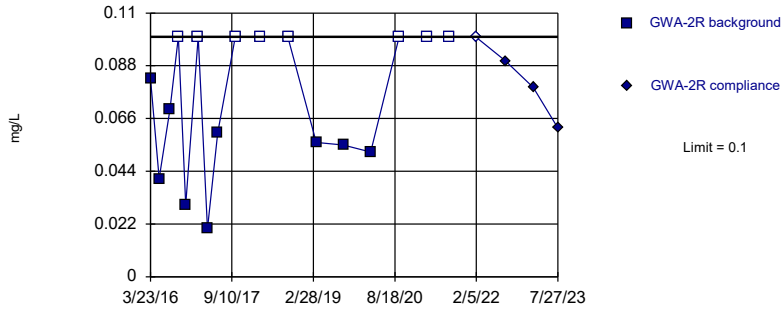


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

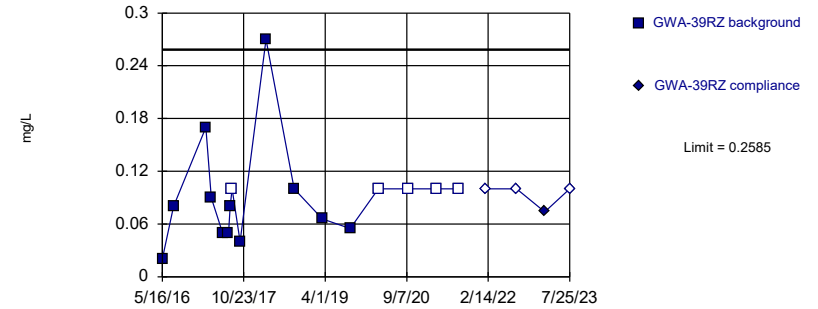


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 47.06% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

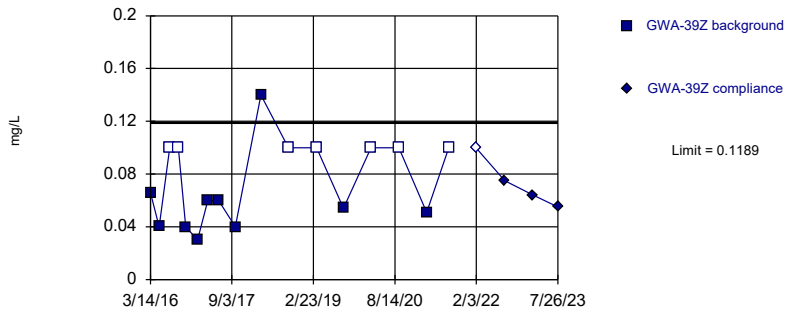


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.2579, Std. Dev.=0.09337, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

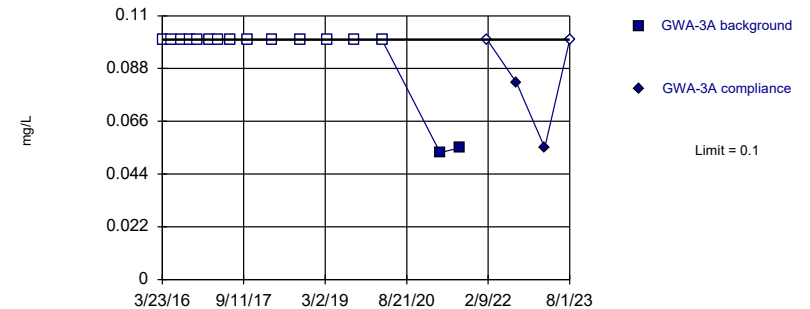


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.05128, Std. Dev.=0.0252, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8838, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

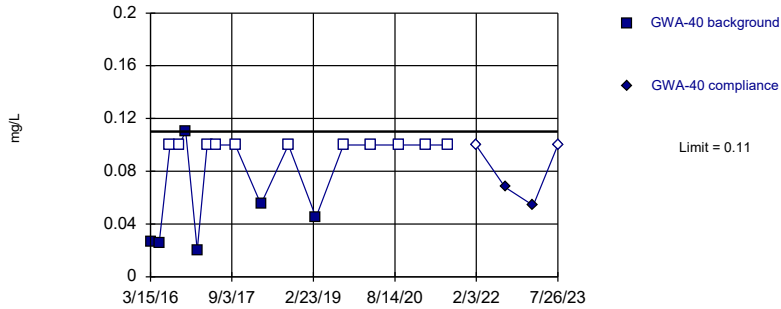


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

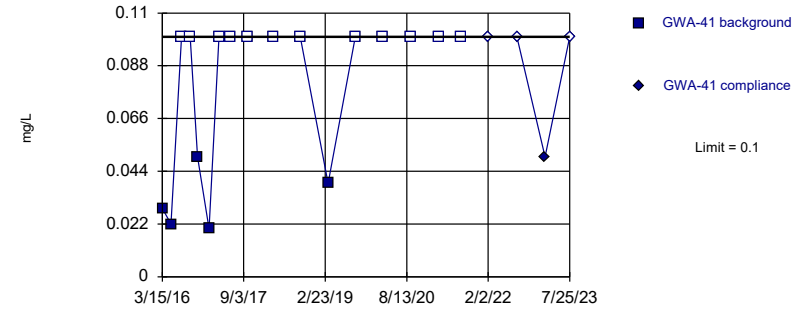


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

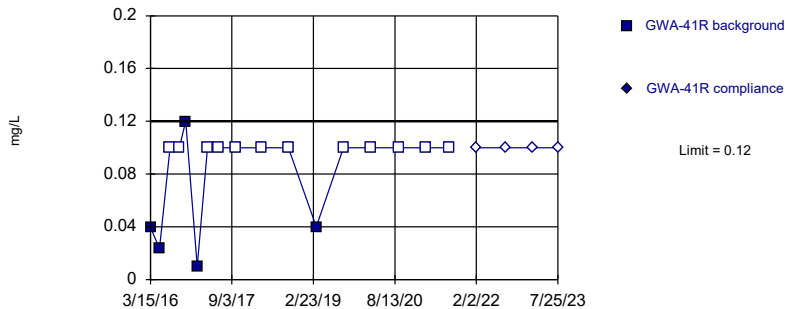


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

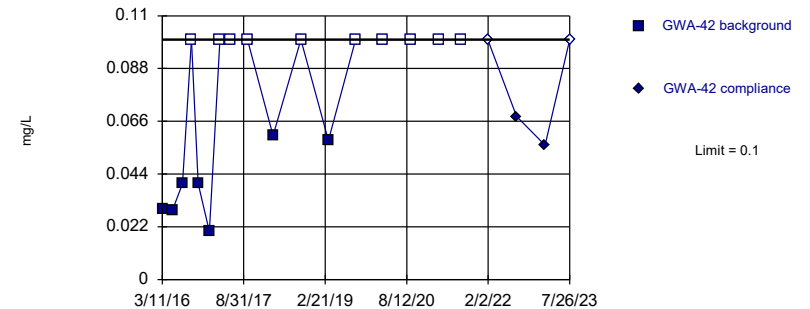


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric



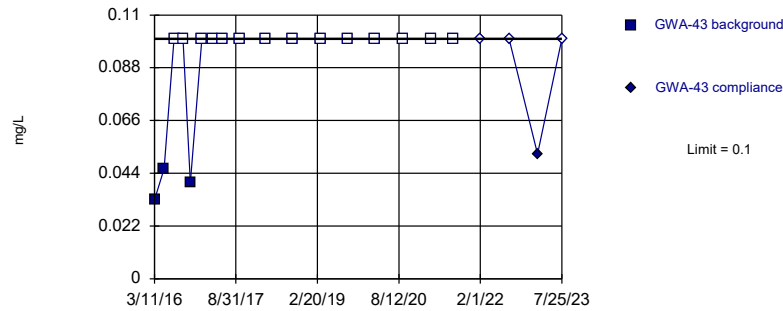
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



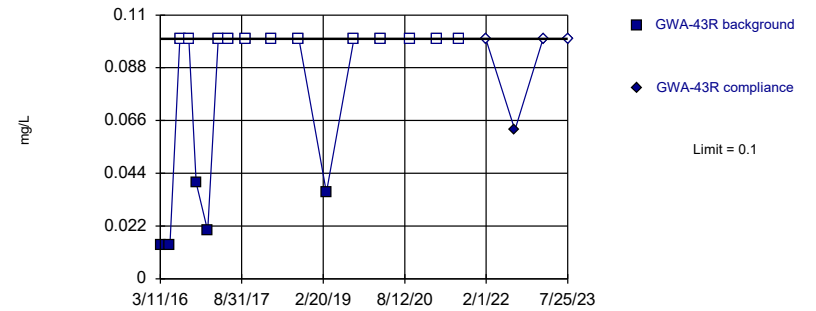
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual $\alpha = 0.01179$. Individual comparison $\alpha = 0.005914$ (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



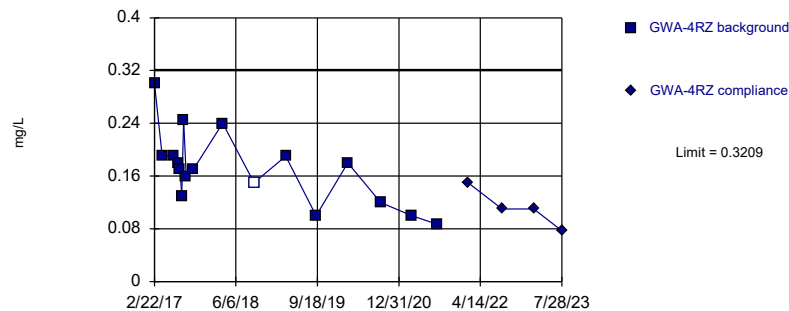
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual $\alpha = 0.01179$. Individual comparison $\alpha = 0.005914$ (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric



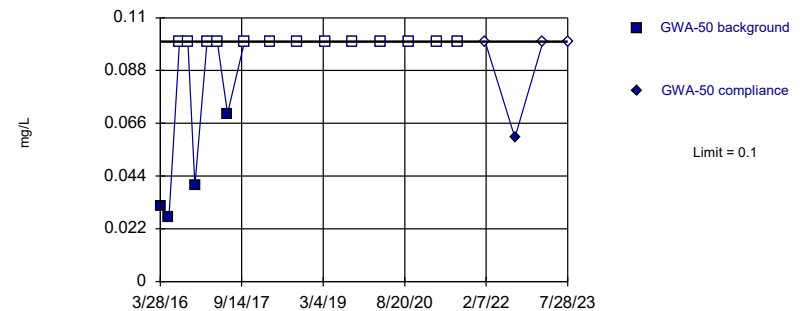
Background Data Summary: Mean=0.1707, Std. Dev.=0.05596, n=17, 5.882% NDs. Normality test: Shapiro Wilk @ $\alpha = 0.01$, calculated = 0.9497, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event $\alpha = 0.05132$). Report $\alpha = 0.0002894$.

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



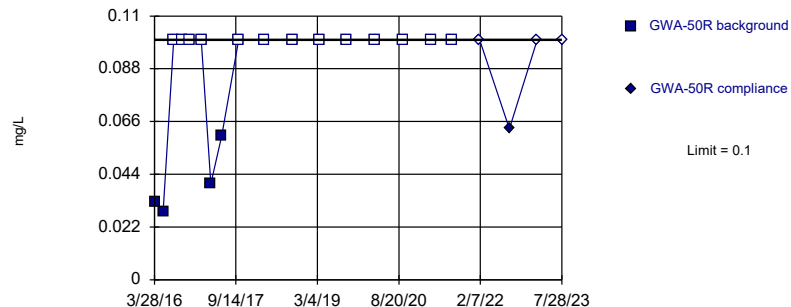
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual $\alpha = 0.01179$. Individual comparison $\alpha = 0.005914$ (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



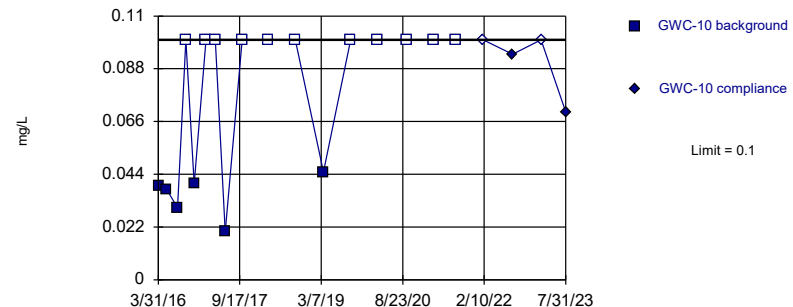
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



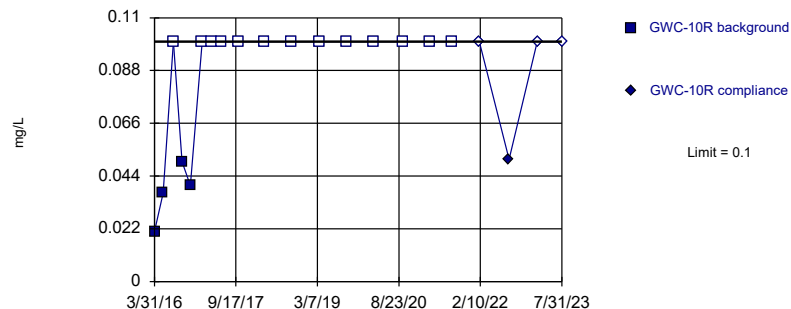
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric



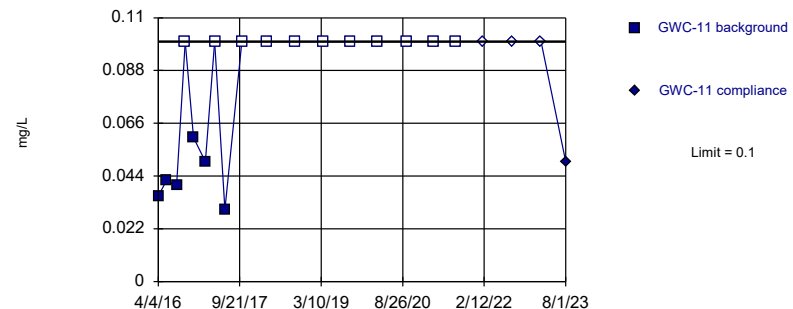
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sanitas™ v.9.6.37 Groundwater Stats Consulting, UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Non-parametric

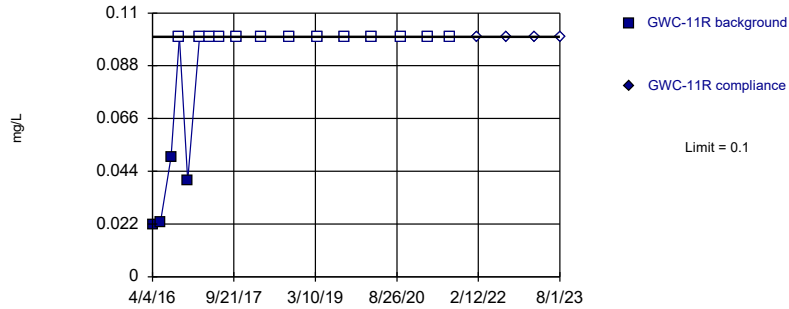


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

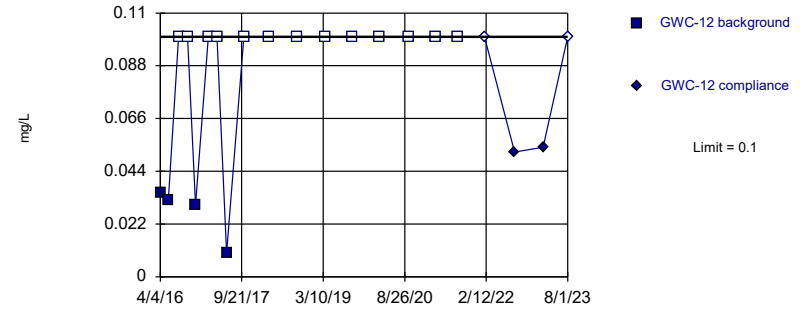


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

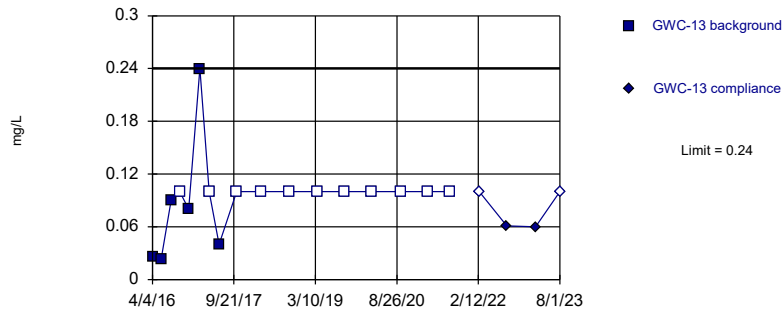


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

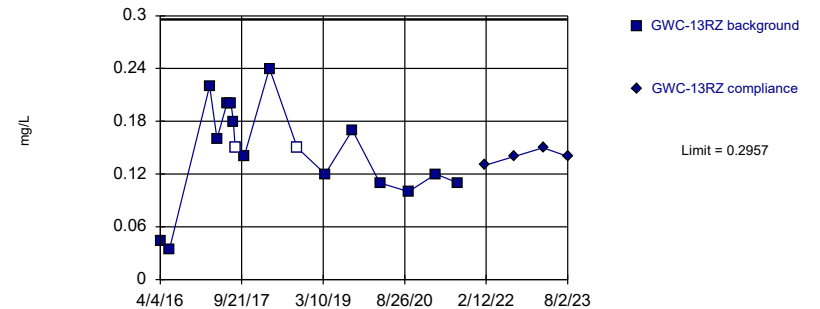


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

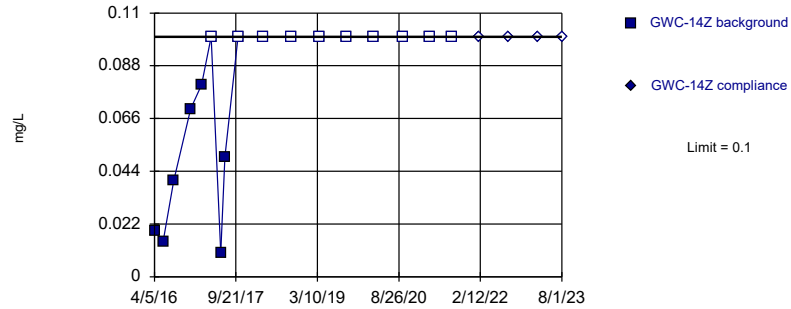


Background Data Summary: Mean=0.144, Std. Dev.=0.05653, n=17, 11.76% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.971, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

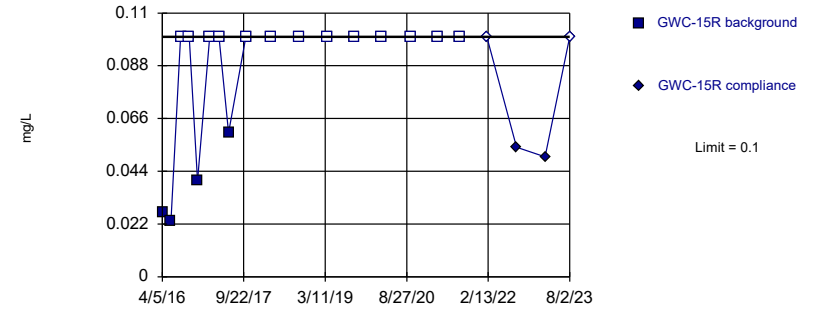


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 58.82% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

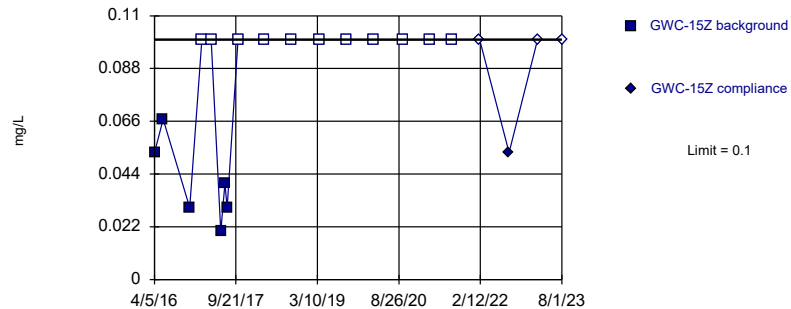


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

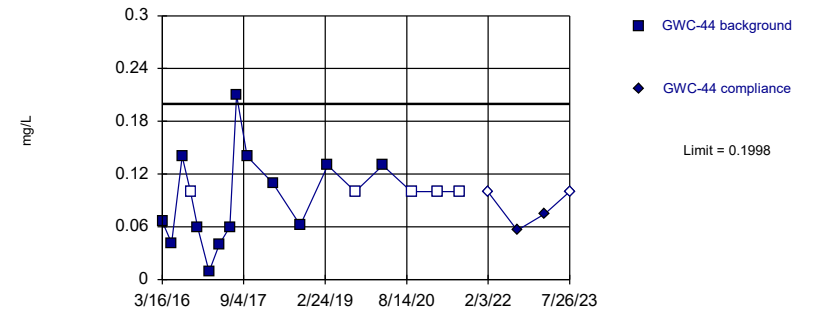


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

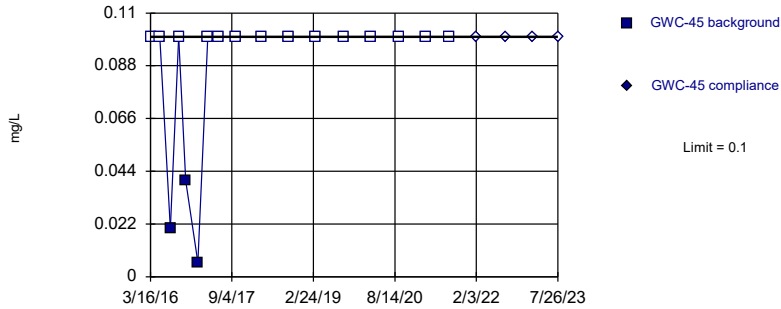


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0679, Std. Dev.=0.04985, n=18, 27.78% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9543, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

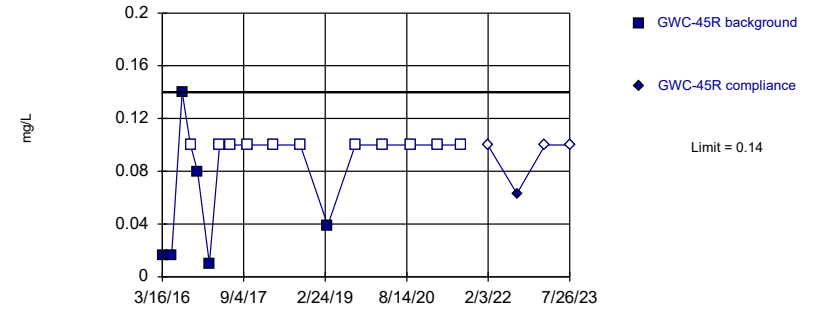


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

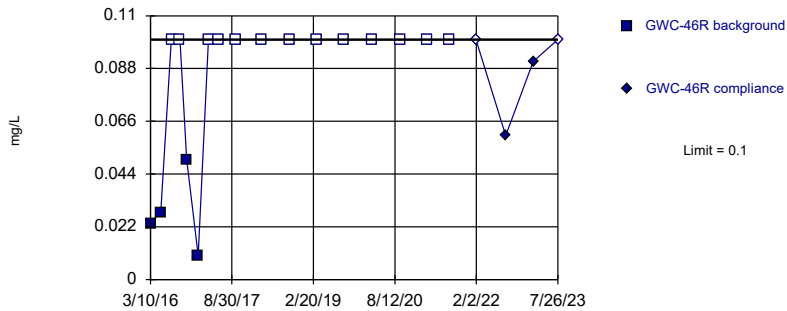


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

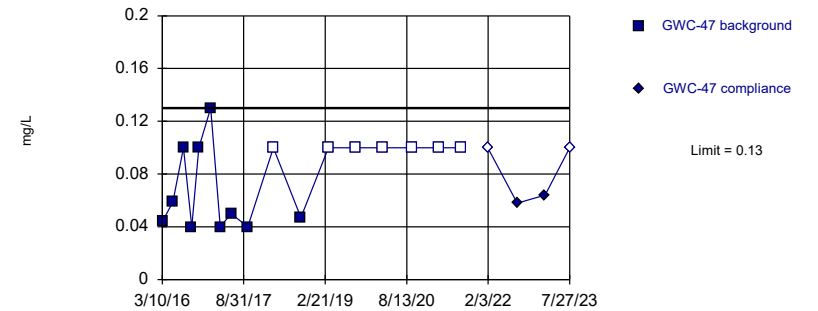


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Non-parametric

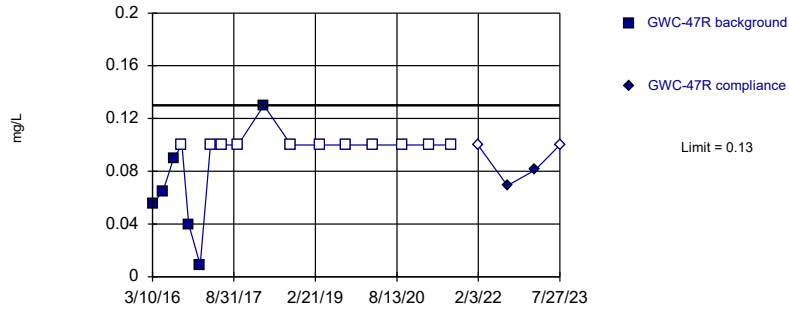


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

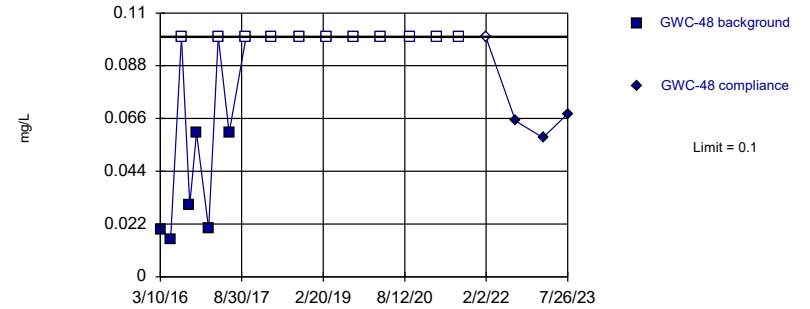


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

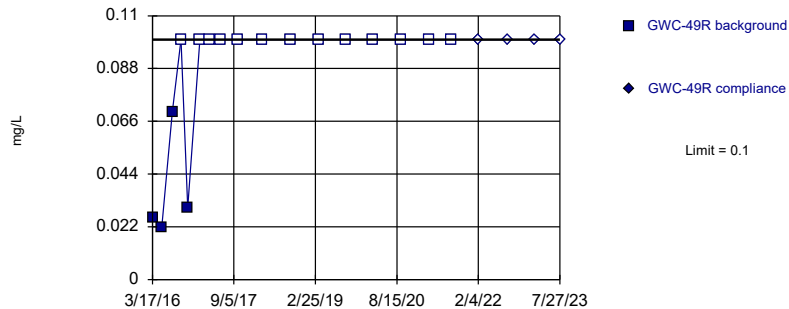


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

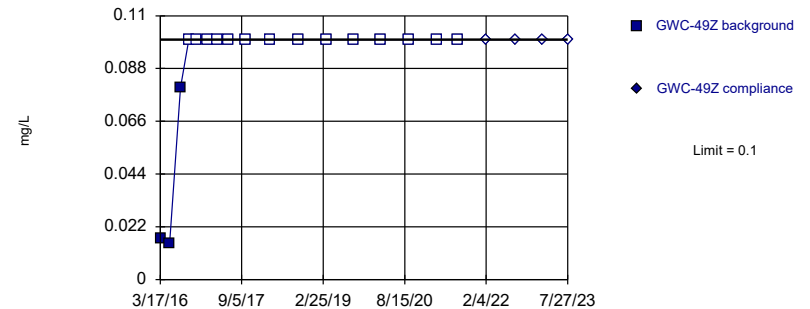


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

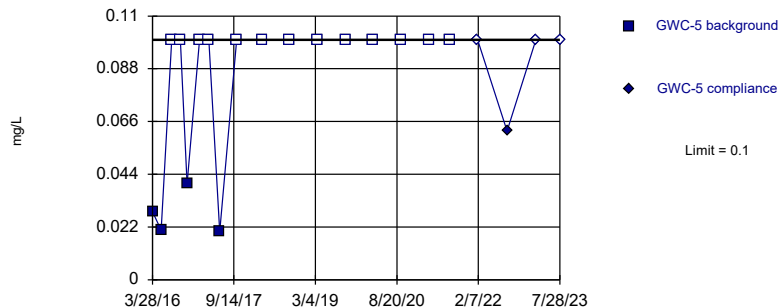


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

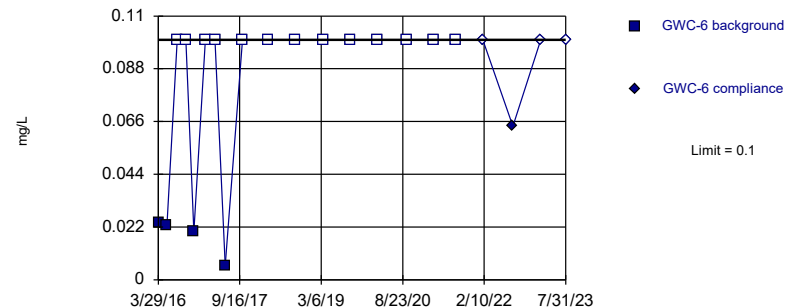


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

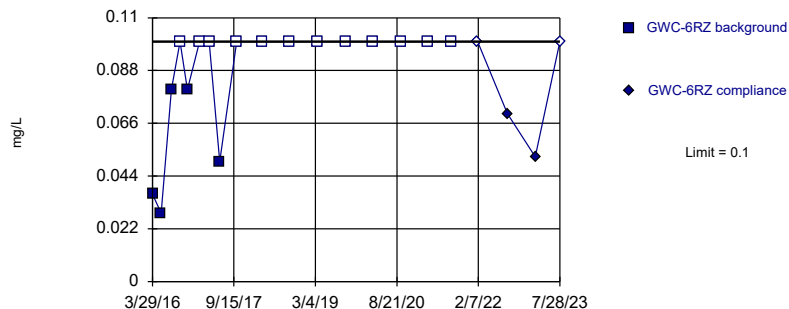


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 76.47% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

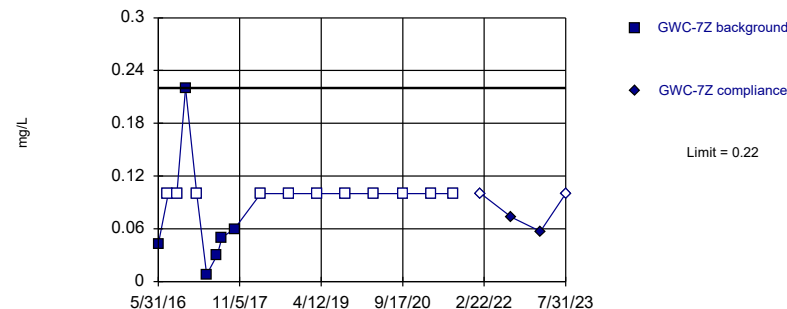


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 70.59% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

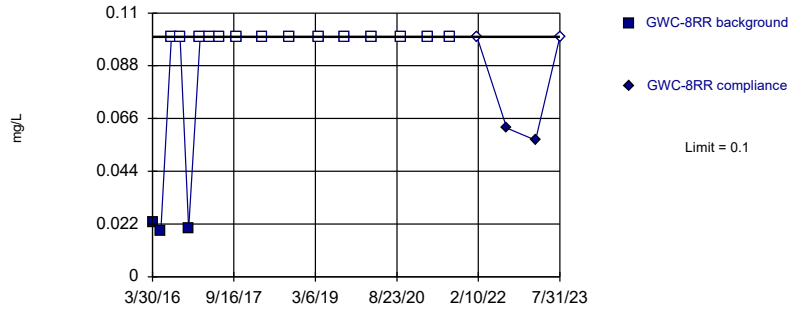


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 64.71% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

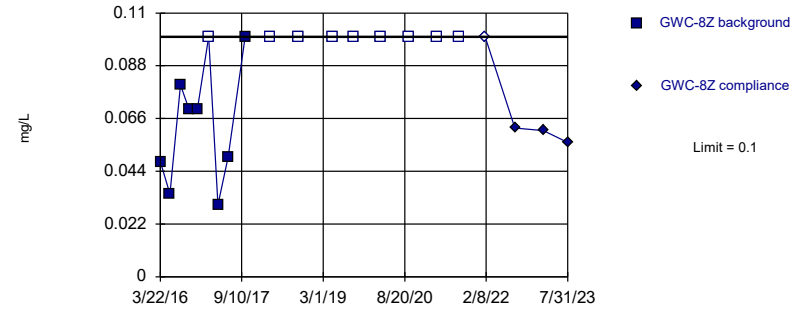


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

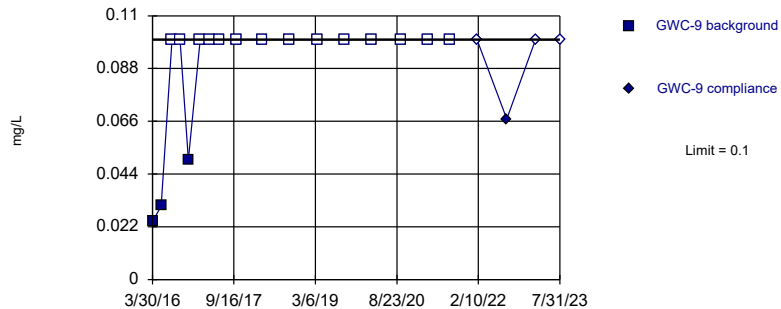


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 52.94% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

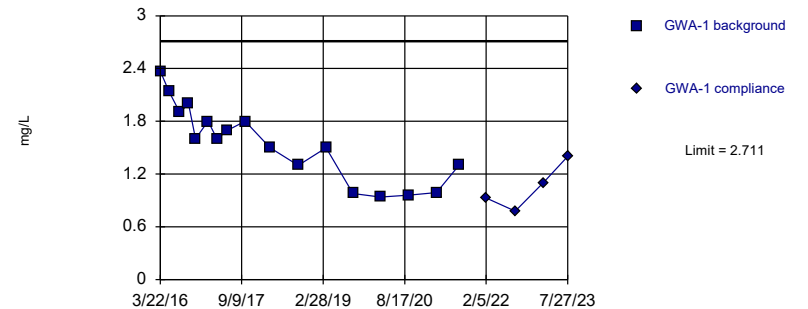


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 17 background values. 82.35% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Fluoride, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

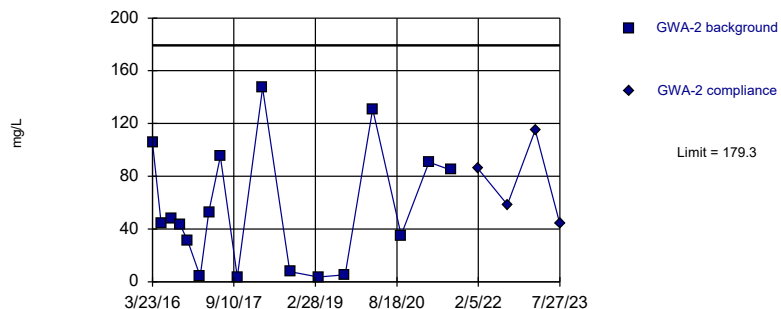


Background Data Summary: Mean=1.552, Std. Dev.=0.4319, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9521, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:54 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

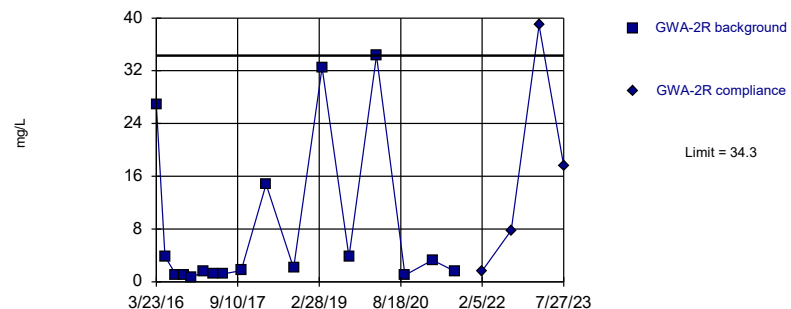


Background Data Summary: Mean=54.87, Std. Dev.=46.38, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9066, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

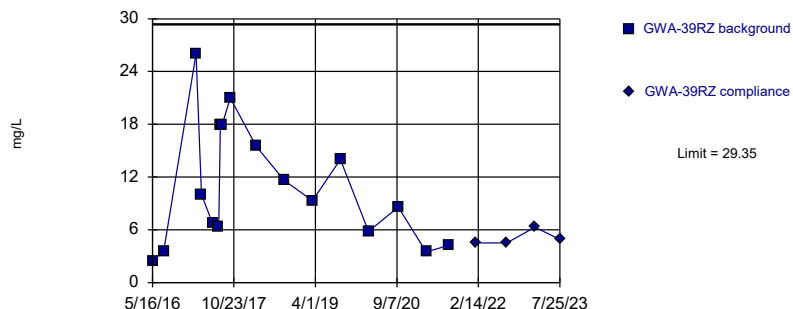


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

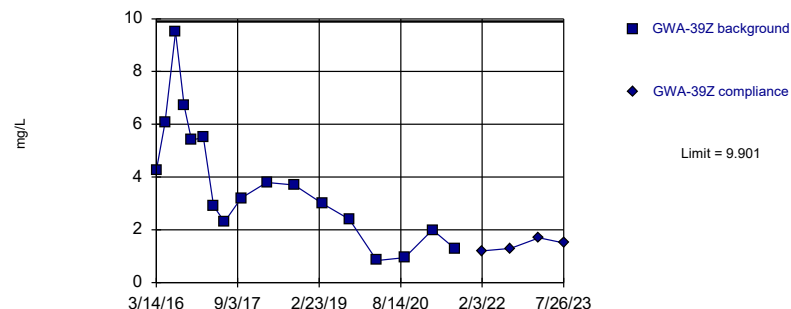


Background Data Summary: Mean=10.86, Std. Dev.=6.891, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9298, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

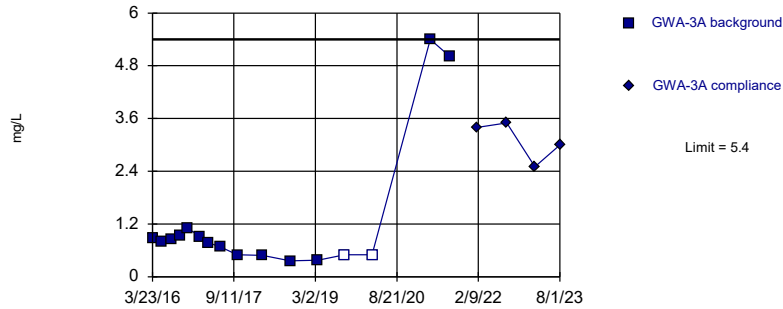


Background Data Summary: Mean=3.753, Std. Dev.=2.291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

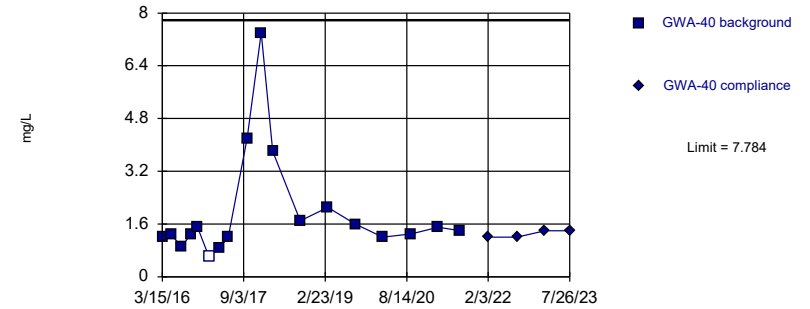


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 12.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

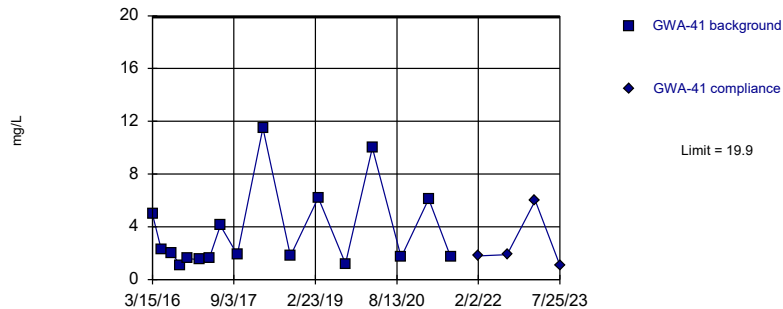


Background Data Summary (based on natural log transformation): Mean=0.4574, Std. Dev.=0.6025, n=18, 5.556% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8812, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

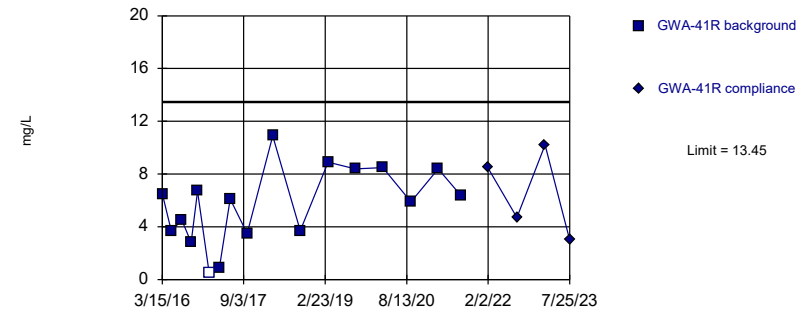


Background Data Summary (based on natural log transformation): Mean=0.9897, Std. Dev.=0.7457, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8696, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric



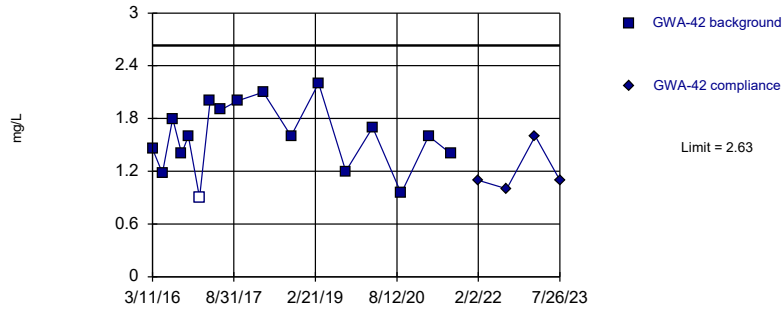
Background Data Summary: Mean=5.663, Std. Dev.=2.903, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9662, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



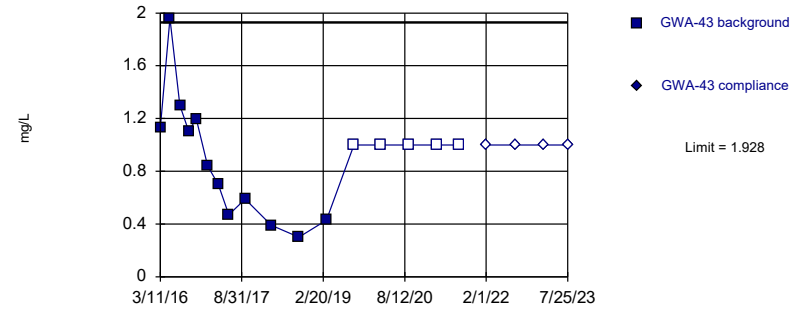
Background Data Summary: Mean=1.587, Std. Dev.=0.3887, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



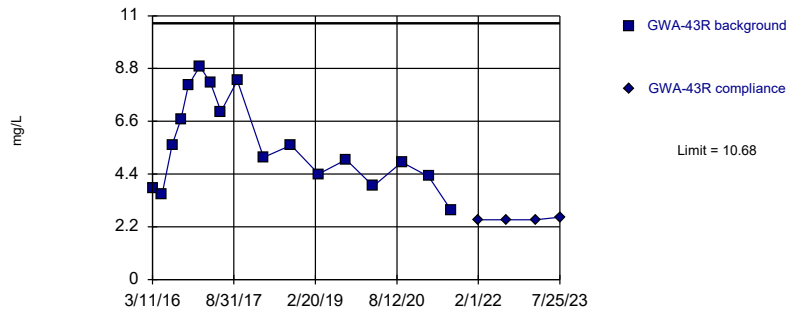
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.7687, Std. Dev.=0.432, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



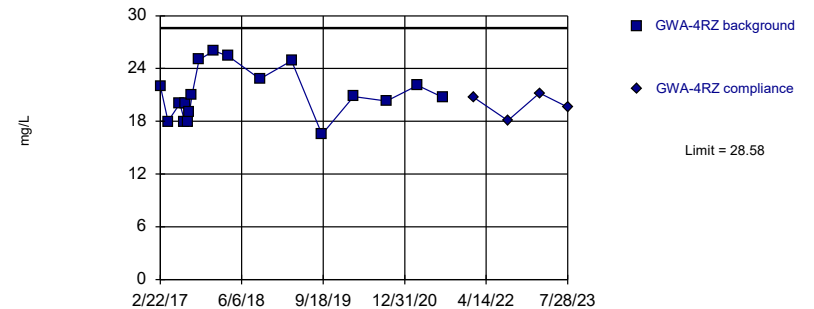
Background Data Summary: Mean=5.664, Std. Dev.=1.871, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9299, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric

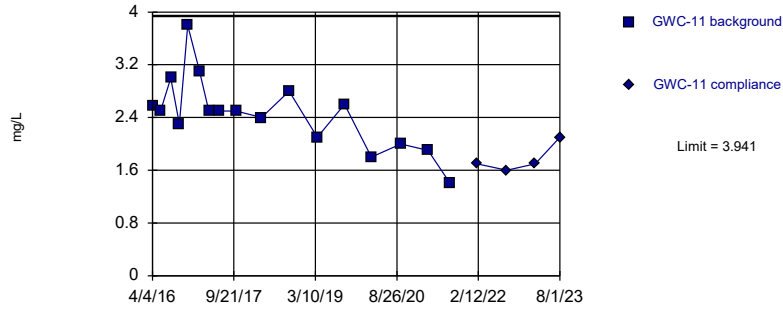


Background Data Summary: Mean=21.14, Std. Dev.=2.813, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

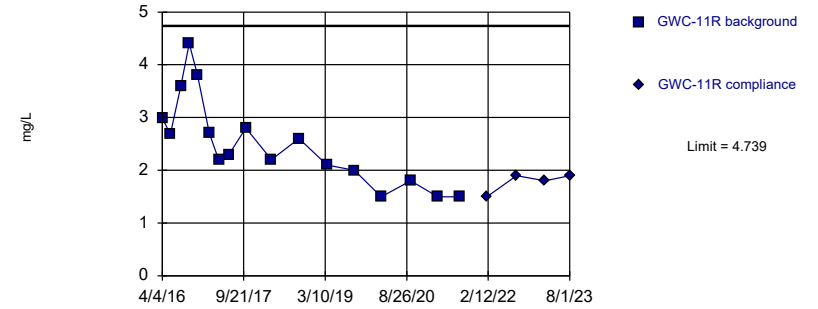


Background Data Summary: Mean=2.457, Std. Dev.=0.553, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

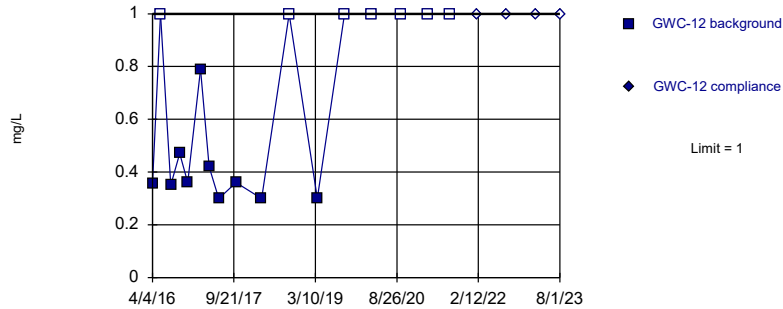


Background Data Summary: Mean=2.51, Std. Dev.=0.8307, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9281, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

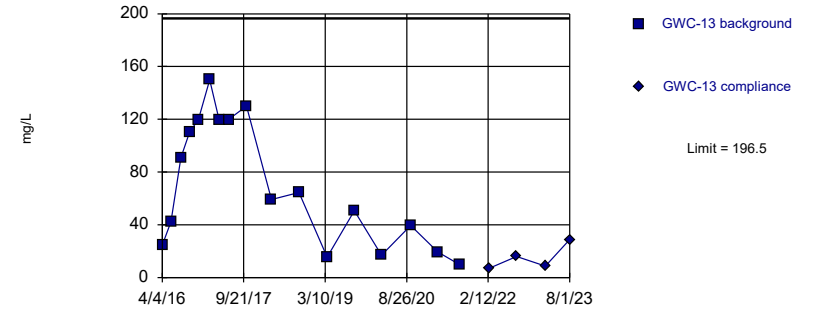


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. 41.18% NDs. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

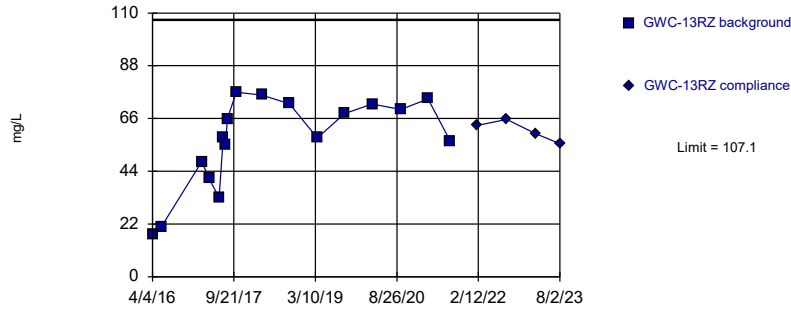


Background Data Summary: Mean=69.62, Std. Dev.=47.29, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

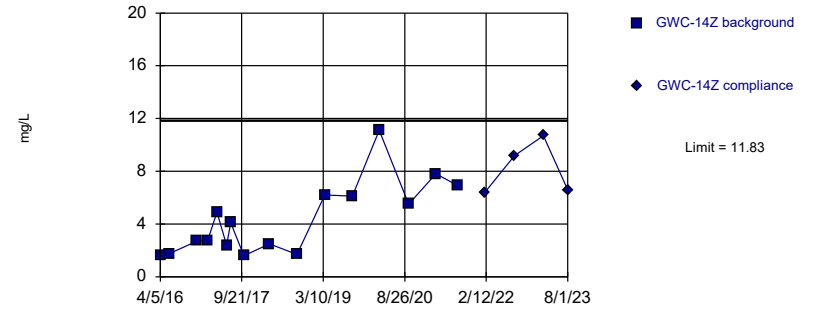


Background Data Summary: Mean=56.66, Std. Dev.=18.8, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8818, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

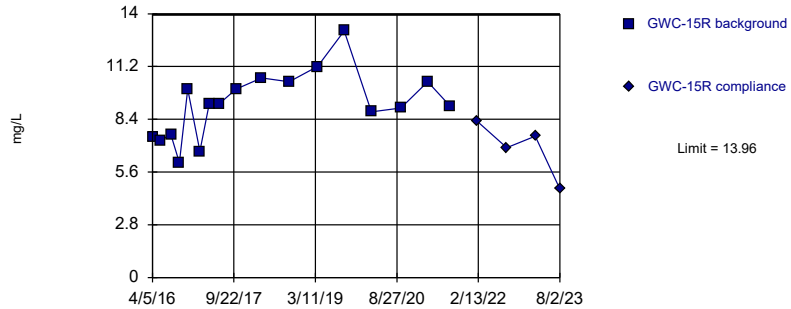


Background Data Summary: Mean=4.35, Std. Dev.=2.75, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8806, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

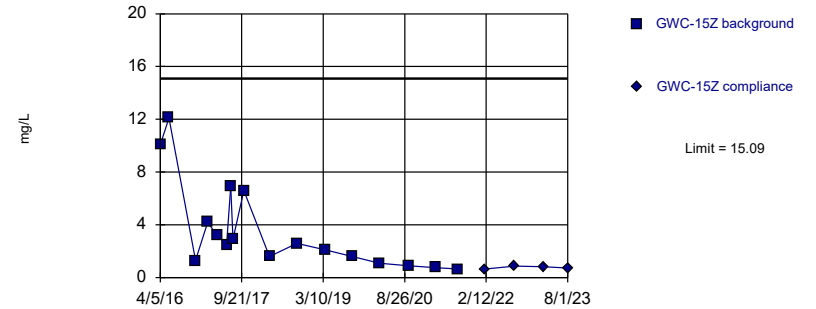


Background Data Summary: Mean=9.185, Std. Dev.=1.78, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9709, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

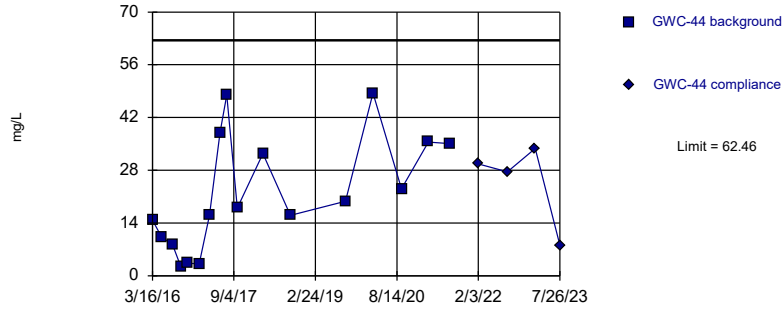


Background Data Summary (based on square root transformation): Mean=1.728, Std. Dev.=0.8034, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8978, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

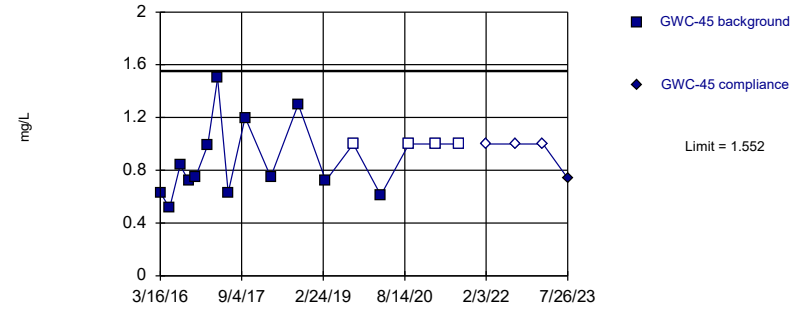


Background Data Summary: Mean=21.93, Std. Dev.=15.1, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

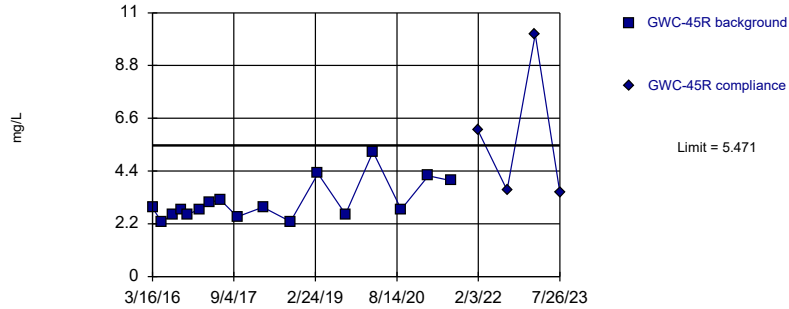


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.8033, Std. Dev.=0.2791, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

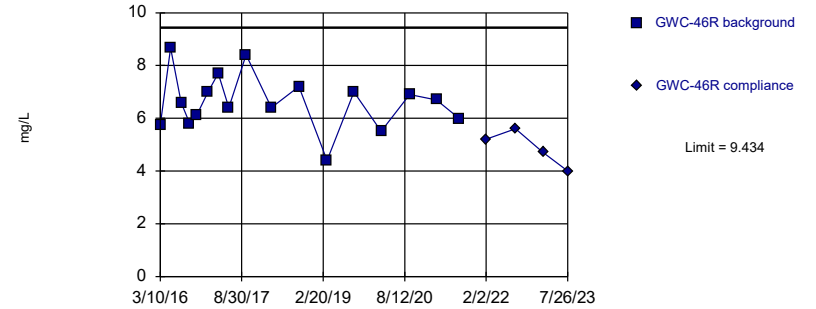


Background Data Summary (based on square root transformation): Mean=1.754, Std. Dev.=0.2182, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8594, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

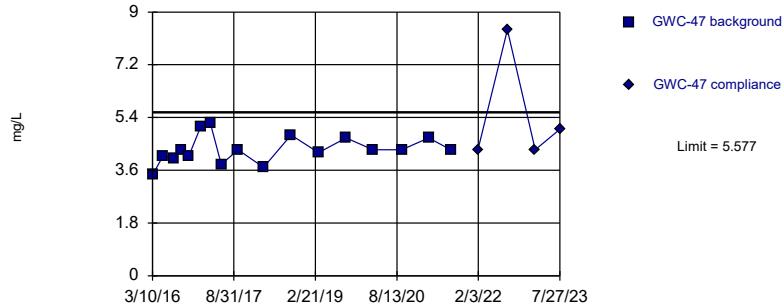


Background Data Summary: Mean=6.619, Std. Dev.=1.049, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9747, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

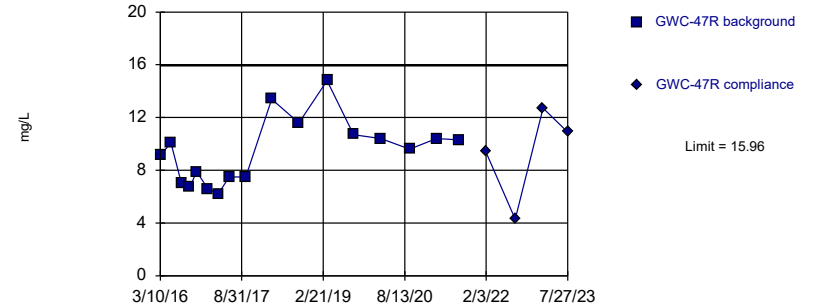


Background Data Summary: Mean=4.314, Std. Dev.=0.471, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9619, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

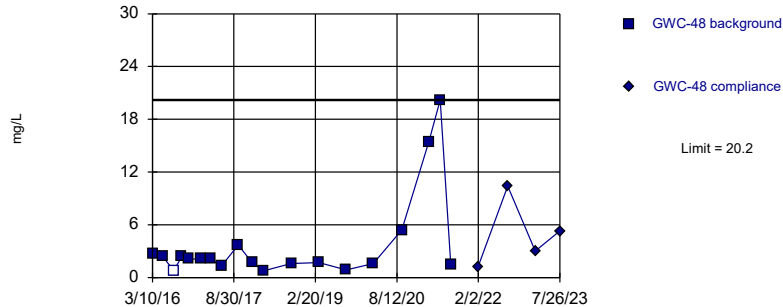


Background Data Summary: Mean=9.402, Std. Dev.=2.446, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9333, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Non-parametric

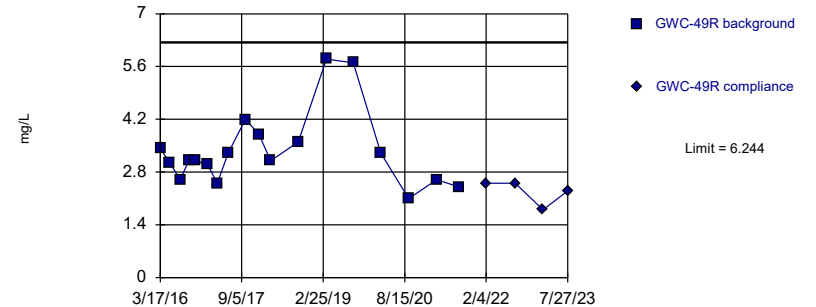


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 19 background values. 5.263% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

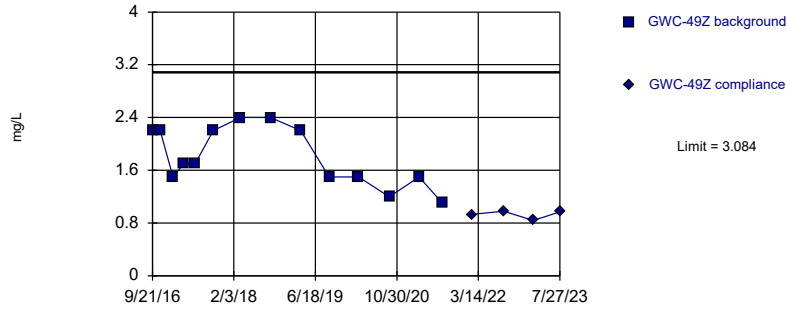
Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.819, Std. Dev.=0.2569, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

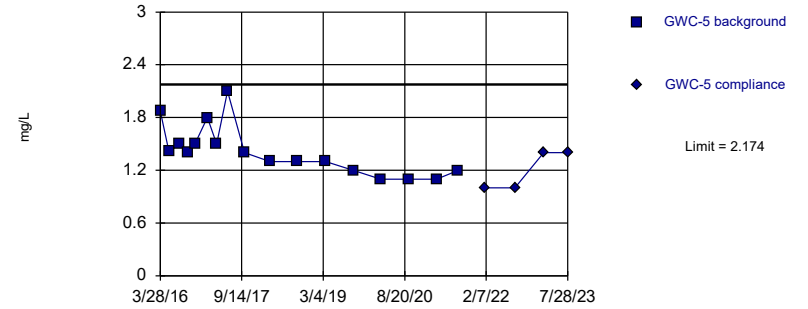
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.807, Std. Dev.=0.4463, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.825. Kappa = 2.86 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

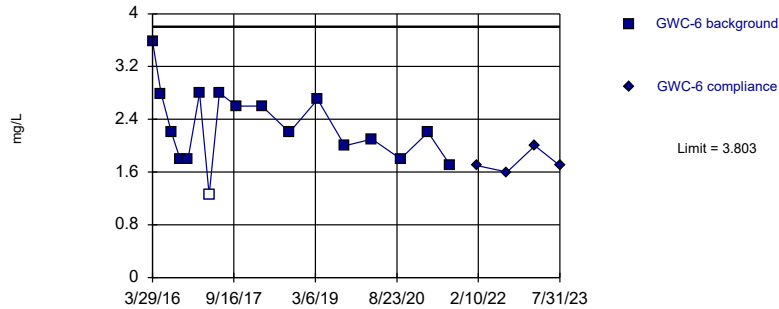
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.416, Std. Dev.=0.2824, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8898, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

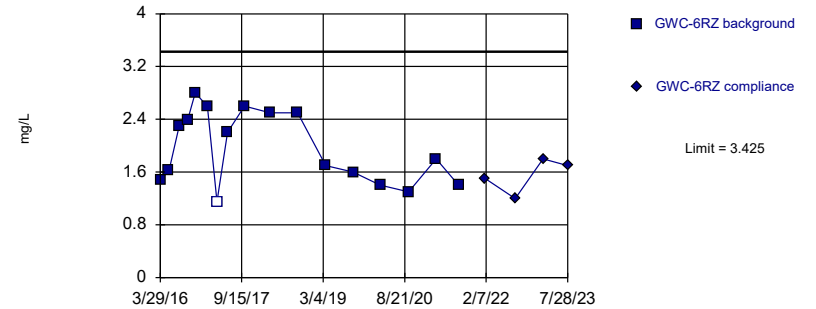
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.289, Std. Dev.=0.564, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit
Intrawell Parametric



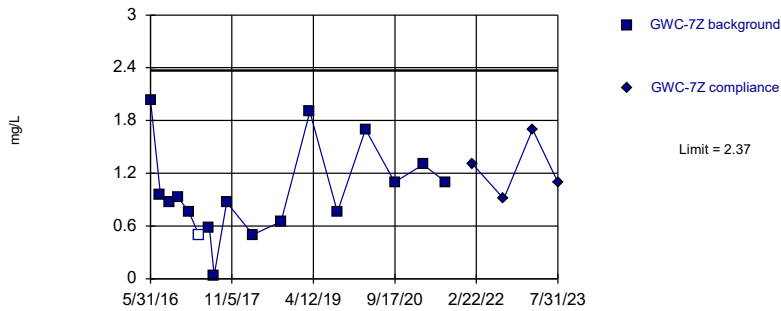
Background Data Summary: Mean=1.962, Std. Dev.=0.5452, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



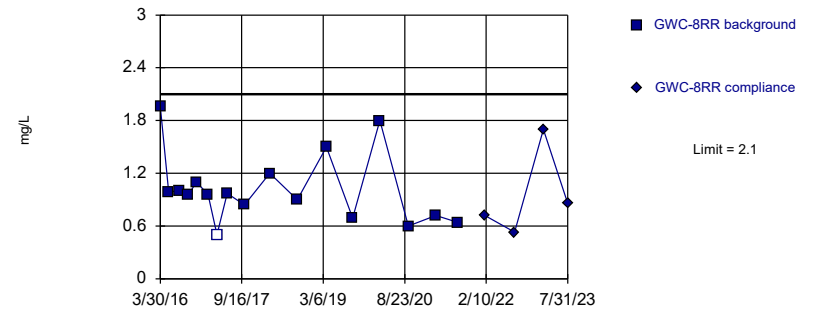
Background Data Summary: Mean=0.9735, Std. Dev.=0.5205, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9392, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



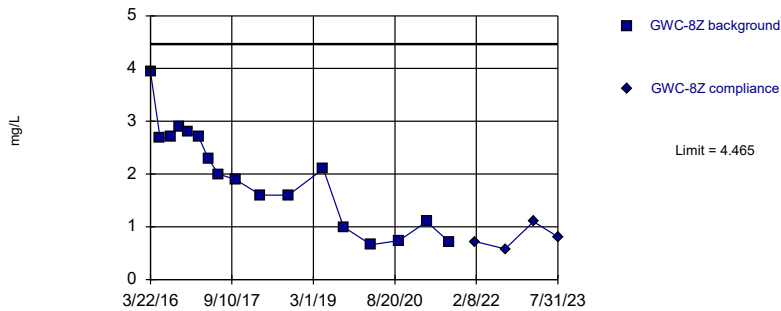
Background Data Summary: Mean=1.018, Std. Dev.=0.4031, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8863, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



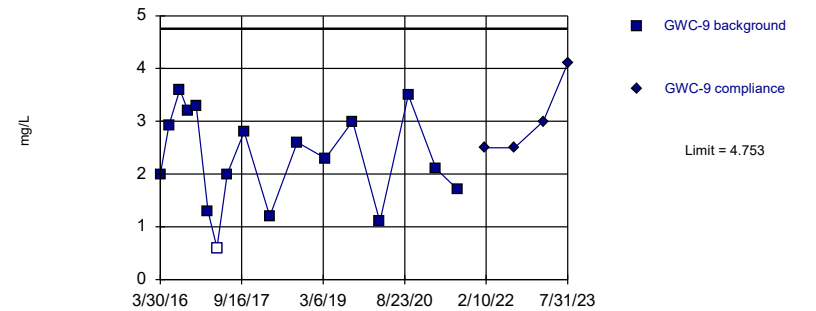
Background Data Summary: Mean=1.967, Std. Dev.=0.931, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9459, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

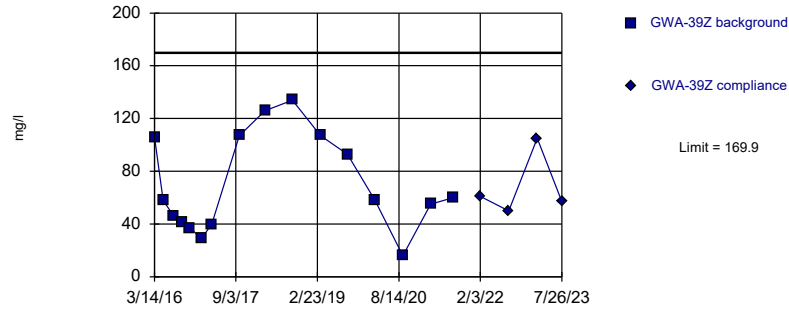
Intrawell Parametric



Background Data Summary: Mean=2.308, Std. Dev.=0.9112, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9562, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Sulfate, total Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

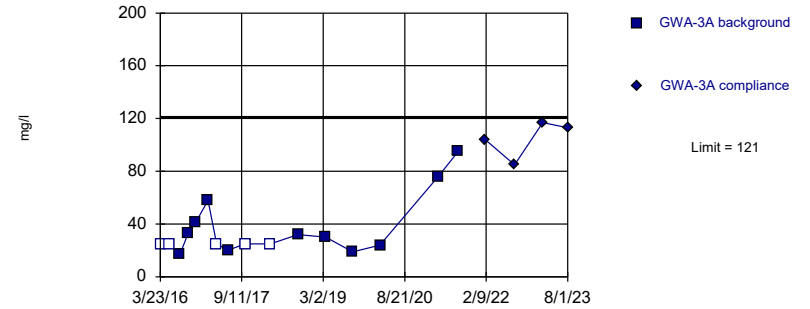
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=69.56, Std. Dev.=36.89, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

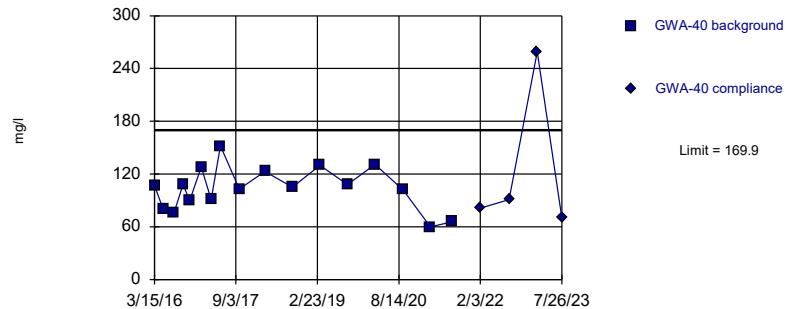
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=3.37, Std. Dev.=0.5244, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8686, critical = 0.844. Kappa = 2.72 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

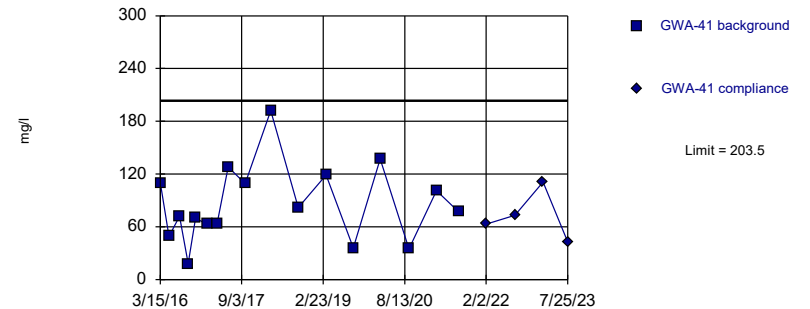
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=103.5, Std. Dev.=24.74, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9752, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit Prediction Limit
Intrawell Parametric

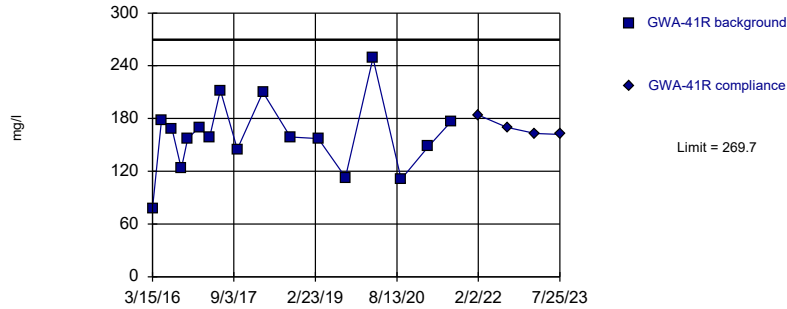


Background Data Summary: Mean=85.94, Std. Dev.=43.82, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

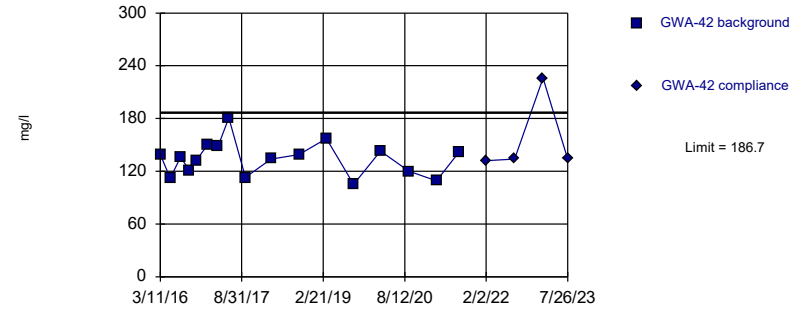


Background Data Summary: Mean=159.5, Std. Dev.=41.05, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9688, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

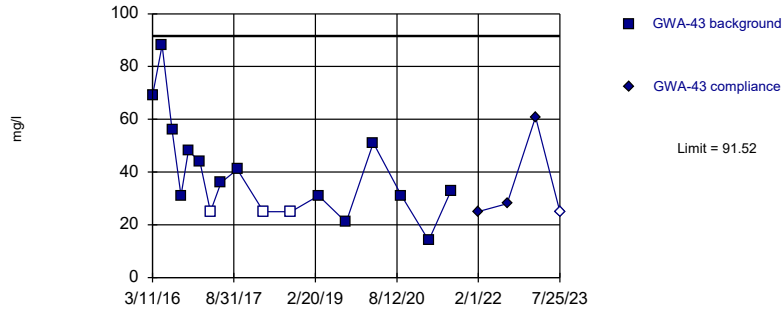


Background Data Summary: Mean=134.1, Std. Dev.=19.58, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

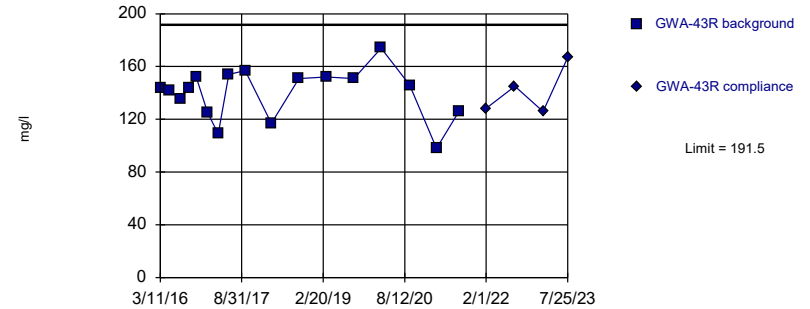


Background Data Summary (after Kaplan-Meier Adjustment): Mean=36.44, Std. Dev.=20.53, n=17, 17.65% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.907, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric



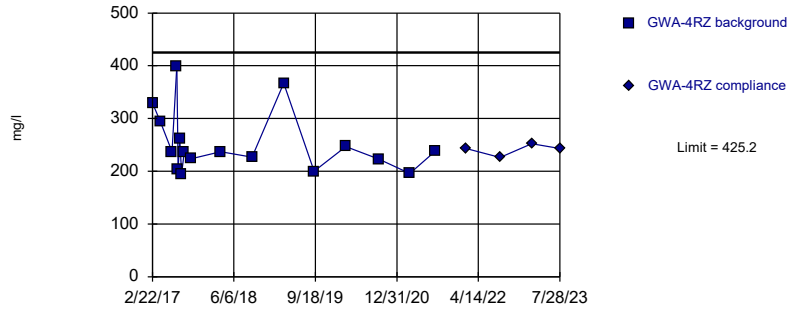
Background Data Summary: Mean=139.8, Std. Dev.=19.27, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9389, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



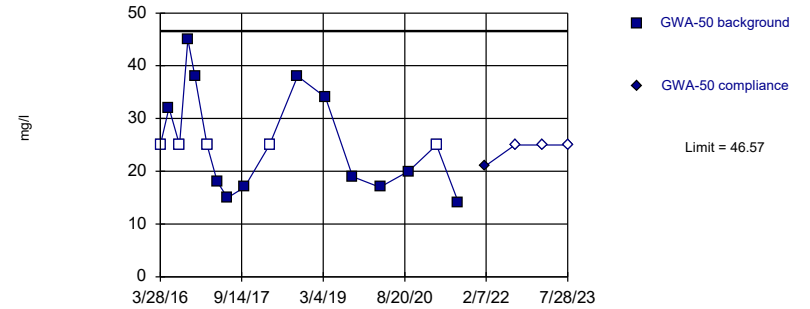
Background Data Summary (based on square root transformation): Mean=15.84, Std. Dev.=1.782, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8534, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=21.74, Std. Dev.=9.254, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

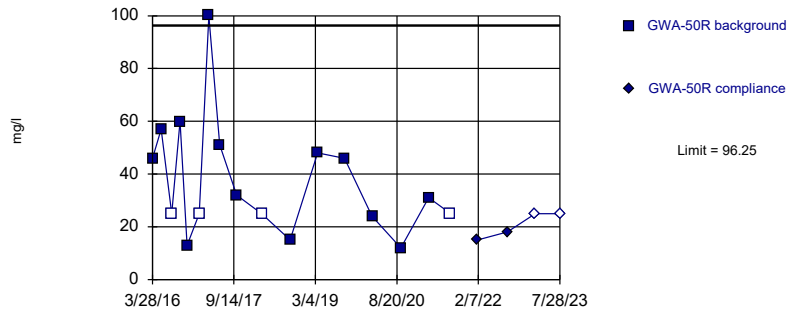
Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



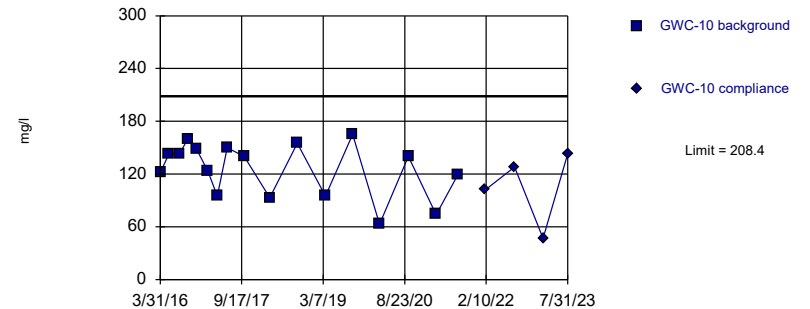
Background Data Summary (after Kaplan-Meier Adjustment): Mean=33.65, Std. Dev.=23.33, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8704, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

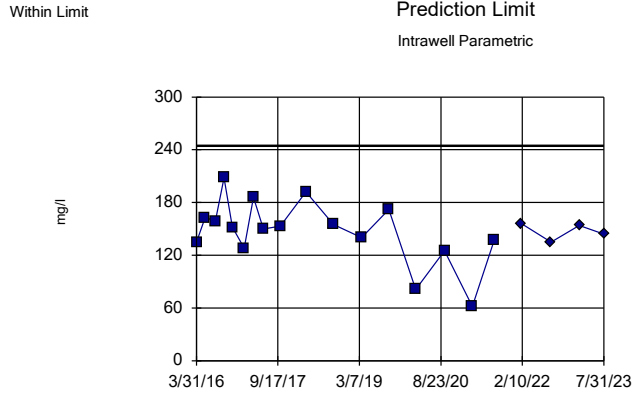
Prediction Limit

Intrawell Parametric



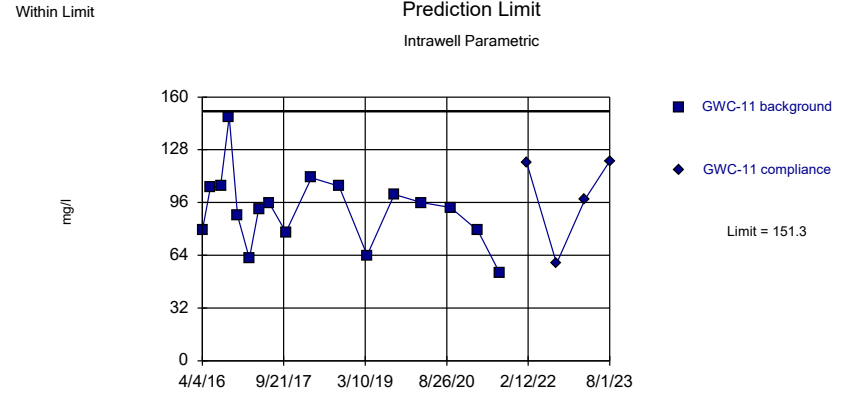
Background Data Summary: Mean=125.3, Std. Dev.=30.95, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10



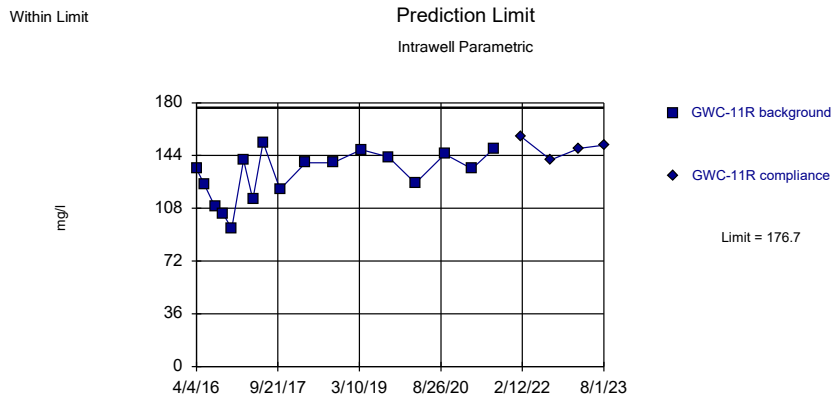
Background Data Summary: Mean=147, Std. Dev.=36.34, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9397, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10



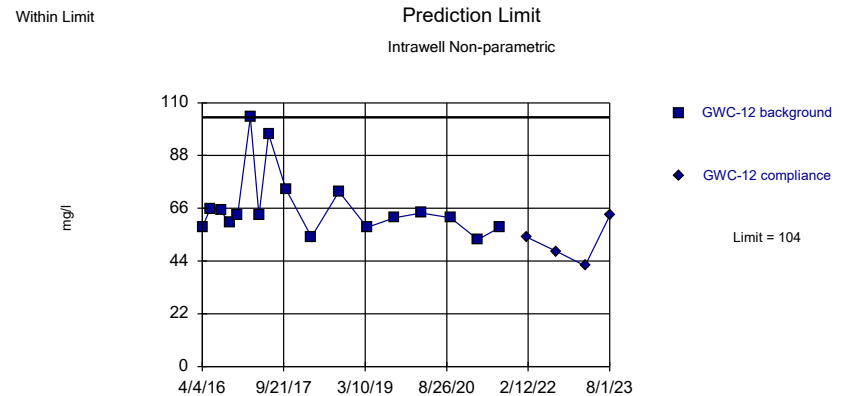
Background Data Summary: Mean=91.59, Std. Dev.=22.25, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9463, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10



Background Data Summary: Mean=130.5, Std. Dev.=17.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

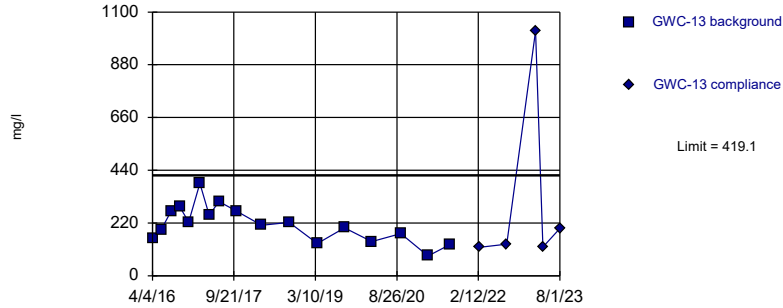


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

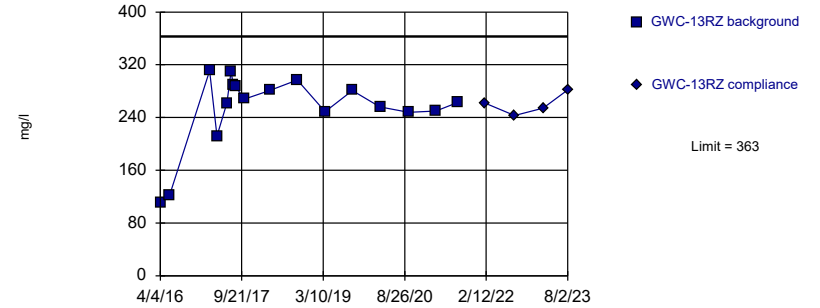


Background Data Summary: Mean=214.5, Std. Dev.=76.23, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.982, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:55 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

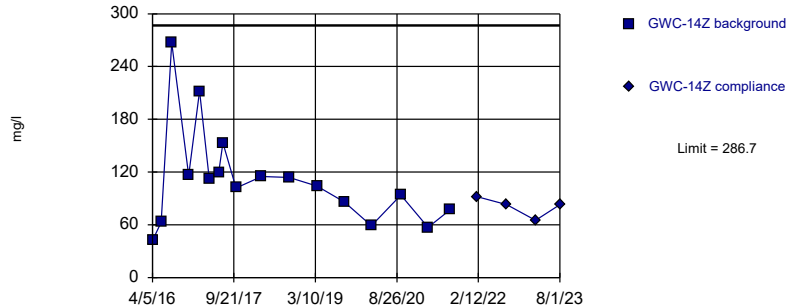


Background Data Summary (based on square transformation): Mean=66958, Std. Dev.=24165, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8702, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

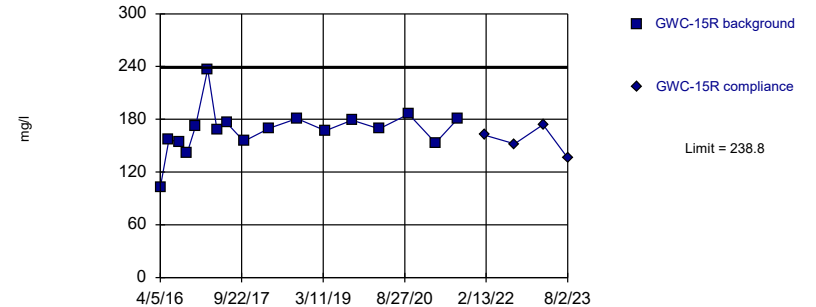


Background Data Summary (based on square root transformation): Mean=10.28, Std. Dev.=2.48, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9249, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

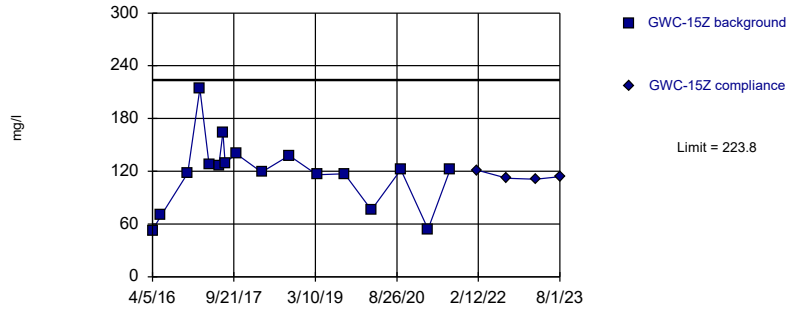


Background Data Summary: Mean=167.6, Std. Dev.=26.5, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8835, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

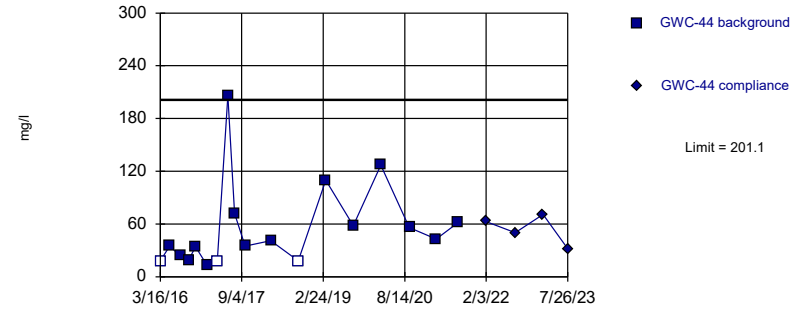


Background Data Summary: Mean=117.9, Std. Dev.=39.46, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9017, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

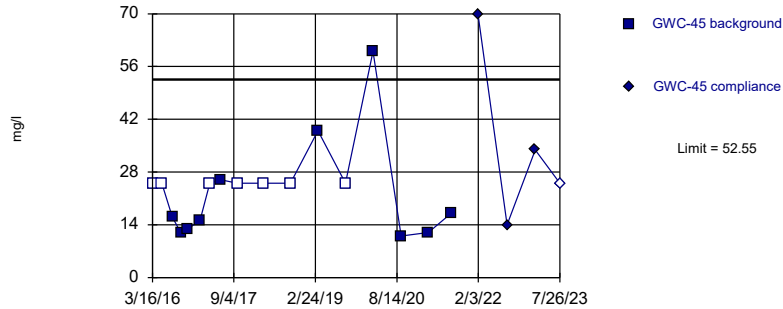


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=6.914, Std. Dev.=2.746, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8868, critical = 0.858. Kappa = 2.647 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

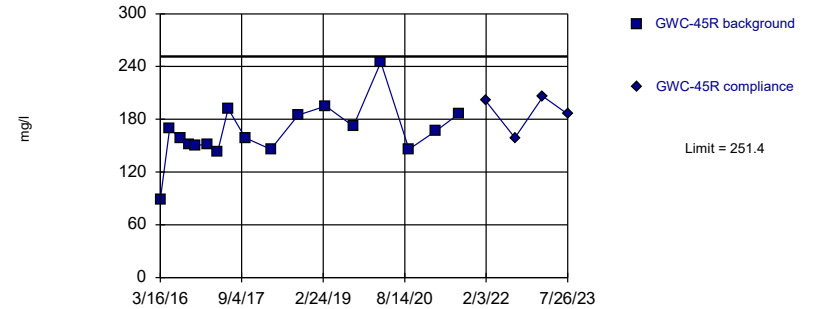


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=4.146, Std. Dev.=1.156, n=17, 41.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8554, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
Intrawell Parametric

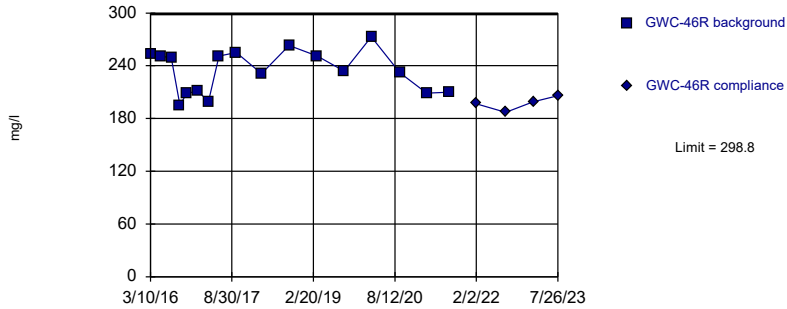


Background Data Summary: Mean=165.1, Std. Dev.=32.17, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9172, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

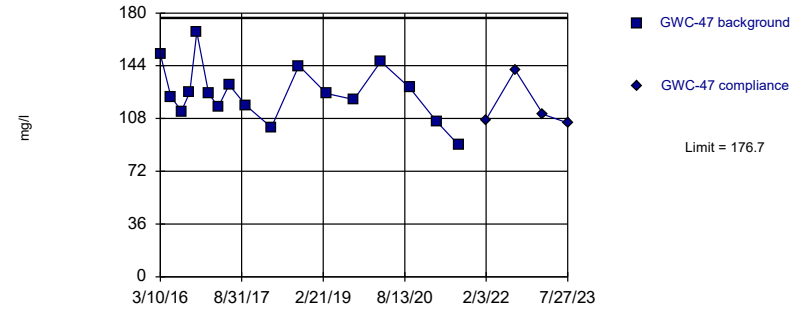


Background Data Summary: Mean=233.9, Std. Dev.=24.2, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9206, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric

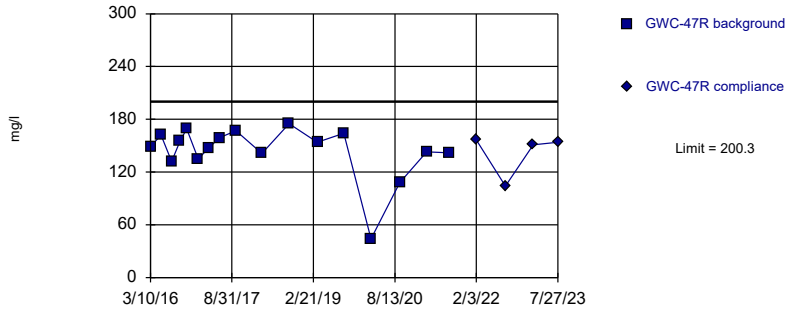


Background Data Summary: Mean=125.5, Std. Dev.=19.06, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit Intrawell Parametric



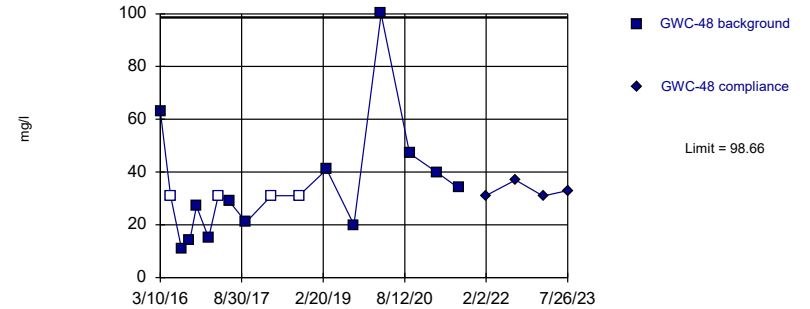
Background Data Summary (based on square transformation): Mean=21576, Std. Dev.=6910, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8875, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric



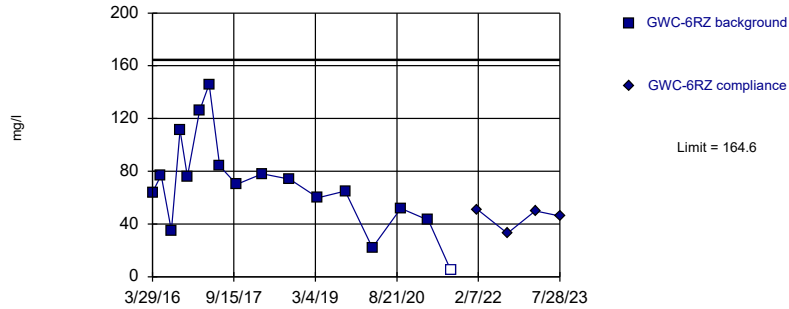
Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.376, Std. Dev.=1.698, n=17, 23.53% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9163, critical = 0.851. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

Constituent: Total Dissolved Solids [TDS] Analysis Run 9/14/2023 1:56 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit

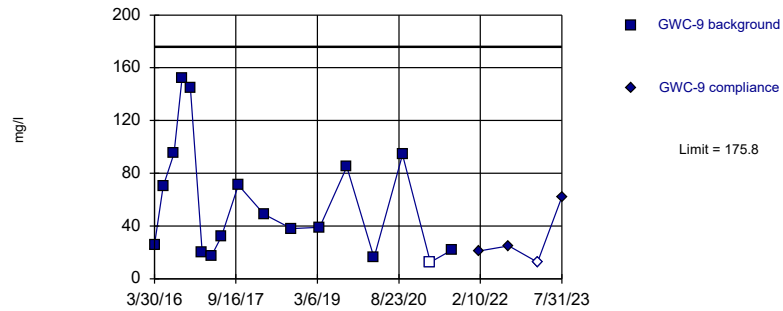
Intrawell Parametric



Within Limit

Prediction Limit

Intrawell Parametric



Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	<0.04	
5/19/2016	<0.04	
7/29/2016	<0.04	
9/23/2016	<0.04	
11/9/2016	<0.04	
1/30/2017	<0.04	
3/30/2017	0.0065 (J)	
6/9/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/17/2018	0.00625 (JD)	
3/20/2019	0.0042 (J)	
9/12/2019	<0.04	
3/11/2020	<0.04	
9/15/2020	0.01 (J)	
3/16/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04
7/27/2023		0.015 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	<0.04	
5/20/2016	<0.04	
7/29/2016	<0.04	
9/23/2016	<0.04	
11/9/2016	<0.04	
1/31/2017	<0.04	
3/30/2017	<0.04	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/19/2018	0.013 (J)	
9/14/2018	<0.04	
3/20/2019	<0.04	
9/12/2019	<0.04 (D)	
3/11/2020	0.0068 (J)	
9/15/2020	0.0053 (J)	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04
7/27/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	<0.04	
5/19/2016	<0.04	
7/29/2016	<0.04	
9/22/2016	<0.04	
11/10/2016	<0.04	
1/31/2017	<0.04	
4/3/2017	<0.04	
6/9/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	0.0077 (J)	
9/14/2018	<0.04	
3/19/2019	0.014 (J)	
9/13/2019	0.012 (J)	
3/11/2020	0.017 (J)	
9/15/2020	0.0074 (J)	
3/16/2021	0.0061 (J)	
8/9/2021	0.012 (J)	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		0.017 (J)
7/27/2023		0.015 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	<0.04 (D)	
7/27/2016	<0.04 (*)	
2/21/2017	0.0218 (JD)	
3/27/2017	0.0262 (JD)	
6/8/2017	0.0067 (JD)	
7/17/2017	0.0165 (JD)	
7/27/2017	0.0138 (JD)	
8/9/2017	0.0069 (JD)	
9/29/2017	0.0066 (JD)	
3/16/2018	0.0067 (J)	
9/14/2018	0.0059 (J)	
3/14/2019	0.0059 (X)	
9/10/2019	0.0081 (X)	
3/9/2020	0.0065 (J)	
9/16/2020	0.015 (J)	
3/16/2021	<0.04	
8/6/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/14/2023		<0.04
7/25/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	<0.04	
5/11/2016	<0.04	
7/19/2016	<0.04 (*)	
9/15/2016	0.0067 (J)	
11/2/2016	<0.04	
1/18/2017	<0.04	
3/28/2017	<0.04	
6/7/2017	<0.04 (*)	
9/26/2017	<0.04	
3/14/2018	<0.04	
9/12/2018	<0.04	
3/15/2019	0.005 (X)	
9/9/2019	<0.04	
3/9/2020	<0.04	
9/10/2020	<0.04	
3/12/2021	0.011 (J)	
8/4/2021	<0.04	
1/31/2022		<0.04
8/10/2022		<0.04
2/13/2023		<0.04
7/26/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<0.04	
5/23/2016	<0.04	
7/29/2016	<0.04	
9/22/2016	<0.04	
11/10/2016	<0.04	
1/31/2017	<0.04	
3/30/2017	<0.04	
6/12/2017	<0.04	
10/4/2017	<0.04	
3/19/2018	0.0057 (J)	
9/17/2018	<0.04	
3/20/2019	<0.04	
9/13/2019	<0.04	
3/11/2020	0.0071 (J)	
3/29/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/17/2023		<0.04
8/1/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	<0.04	
5/11/2016	<0.04	
7/21/2016	<0.04	
9/15/2016	<0.04	
11/3/2016	<0.04 (*)	
1/17/2017	<0.04	
3/24/2017	<0.04	
5/24/2017	<0.04	
9/26/2017	0.0075 (J)	
3/14/2018	0.0093 (J)	
9/12/2018	<0.04	
3/13/2019	<0.04	
9/9/2019	<0.04	
3/9/2020	0.0074 (J)	
9/11/2020	<0.04	
3/10/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/12/2022		<0.04
2/13/2023		<0.04
7/26/2023		0.0091 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	<0.04	
5/12/2016	<0.04	
7/20/2016	<0.04	
9/15/2016	<0.04	
11/3/2016	<0.04	
1/18/2017	<0.04	
3/24/2017	0.0154 (J)	
6/6/2017	<0.04	
9/25/2017	<0.04	
3/14/2018	0.011 (J)	
9/12/2018	<0.04	
3/14/2019	0.007 (X)	
9/10/2019	<0.04	
3/6/2020	0.013 (J)	
9/10/2020	<0.04	
3/11/2021	0.0075 (J)	
8/4/2021	<0.04	
1/31/2022		<0.04
8/11/2022		<0.04
2/13/2023		<0.04
7/25/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	<0.04	
5/13/2016	<0.04	
7/21/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/3/2016	<0.04	
1/17/2017	<0.04	
3/27/2017	0.0173 (J)	
6/6/2017	<0.04 (*)	
9/25/2017	0.0141 (J)	
3/14/2018	0.014 (J)	
9/12/2018	0.013 (J)	
3/14/2019	0.015 (X)	
9/10/2019	0.015 (X)	
3/9/2020	0.021 (J)	
9/10/2020	0.016 (J)	
3/10/2021	0.0098 (J)	
8/4/2021	0.01 (J)	
1/31/2022		0.016 (J)
8/11/2022		<0.04
2/13/2023		0.017 (J)
7/25/2023		0.011 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	<0.04	
5/16/2016	<0.04	
7/22/2016	0.0076 (J)	
9/19/2016	<0.04	
11/3/2016	<0.04	
1/17/2017	<0.04	
3/27/2017	0.0101 (J)	
6/7/2017	<0.04 (*)	
9/26/2017	<0.04	
3/14/2018	<0.04	
9/14/2018	<0.04	
3/14/2019	<0.04	
9/10/2019	<0.04	
3/6/2020	0.0068 (J)	
9/10/2020	<0.04	
3/11/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/10/2022		<0.04
2/13/2023		<0.04
7/26/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	<0.04	
5/13/2016	<0.04	
7/19/2016	<0.04 (*)	
9/16/2016	<0.04	
11/2/2016	<0.04	
1/18/2017	<0.04	
3/28/2017	<0.04	
6/6/2017	<0.04 (*)	
9/22/2017	<0.04	
3/14/2018	<0.04	
9/12/2018	<0.04	
3/13/2019	<0.04	
9/11/2019	0.0059 (X)	
3/9/2020	<0.04	
9/11/2020	<0.04	
3/11/2021	<0.04	
8/6/2021	<0.04	
1/31/2022		<0.04
8/11/2022		<0.04
2/14/2023		<0.04
7/25/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	<0.04	
5/13/2016	<0.04	
7/19/2016	<0.04 (*)	
9/16/2016	0.0246 (J)	
11/2/2016	0.0279 (J)	
1/18/2017	0.0336 (J)	
3/28/2017	0.0313 (J)	
6/6/2017	<0.04 (*)	
9/22/2017	0.0294 (J)	
3/15/2018	0.018 (J)	
9/12/2018	0.018 (J)	
3/13/2019	0.012 (X)	
9/11/2019	0.021 (X)	
3/9/2020	0.017 (J)	
9/14/2020	0.018 (J)	
3/11/2021	0.017 (J)	
8/5/2021	0.0098 (J)	
1/31/2022		0.011 (J)
8/10/2022		0.01 (J)
2/13/2023		<0.04
7/25/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.022 (JD)	
4/7/2017	0.0082 (JD)	
6/14/2017	0.008 (JD)	
7/12/2017	0.0082 (JD)	
7/20/2017	0.0091 (JD)	
7/28/2017	<0.04 (D)	
8/9/2017	0.0071 (JD)	
8/24/2017	0.0062 (JD)	
10/3/2017	0.006 (JD)	
3/21/2018	0.0062 (J)	
9/18/2018	0.0096 (J)	
3/21/2019	0.0066 (JD)	
9/12/2019	0.012 (JD)	
3/12/2020	0.014 (J)	
9/17/2020	0.015 (J)	
3/16/2021	0.0092 (J)	
8/10/2021	0.01 (J)	
2/3/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04
7/28/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	<0.04	
5/23/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/10/2016	<0.04	
1/30/2017	<0.04	
4/7/2017	0.008 (J)	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/17/2018	<0.04	
3/19/2019	<0.04	
9/13/2019	<0.04	
3/11/2020	0.0063 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/1/2022		<0.04
8/16/2022		<0.04
2/16/2023		<0.04
7/28/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	<0.04	
5/25/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/11/2016	0.0193 (J)	
1/30/2017	<0.04	
4/3/2017	<0.04	
6/12/2017	<0.04	
10/2/2017	<0.04	
3/16/2018	<0.04	
9/18/2018	<0.04	
3/19/2019	<0.04	
9/12/2019	<0.04	
3/11/2020	0.007 (J)	
9/15/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/16/2023		<0.04
7/28/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	<0.04	
5/26/2016	<0.04	
8/5/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	<0.04	
2/7/2017	<0.04	
4/10/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/20/2018	0.004 (J)	
9/18/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	<0.04	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/4/2022		<0.04
8/17/2022		<0.04
2/20/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	<0.04	
5/26/2016	<0.04	
8/3/2016	<0.04	
9/28/2016	0.0169 (J)	
11/22/2016	0.0067 (J)	
2/7/2017	<0.04	
4/10/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	0.005 (J)	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	<0.04	
5/26/2016	<0.04	
8/3/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	<0.04	
2/8/2017	0.0085 (J)	
4/10/2017	<0.04	
6/15/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	<0.04	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04
8/1/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	<0.04	
5/26/2016	<0.04	
8/4/2016	<0.04	
9/28/2016	<0.04	
11/22/2016	0.0072 (J)	
2/8/2017	0.0069 (J)	
4/10/2017	<0.04	
6/15/2017	<0.04	
10/4/2017	0.0065 (J)	
3/22/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04	
3/12/2020	0.0058 (J)	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/20/2023		<0.04
8/1/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	<0.04	
5/27/2016	<0.04	
8/3/2016	<0.04	
9/30/2016	<0.04	
11/22/2016	<0.04	
2/13/2017	<0.04	
4/11/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/22/2018	<0.04	
9/18/2018	<0.04	
3/23/2019	<0.04	
9/17/2019	<0.04 (D)	
3/12/2020	<0.04	
9/21/2020	<0.04	
3/19/2021	<0.04	
8/11/2021	<0.04	
2/2/2022		<0.04
8/18/2022		<0.04
2/21/2023		<0.04
8/1/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	<0.04	
5/31/2016	<0.04	
8/4/2016	<0.04	
9/29/2016	0.0192 (J)	
11/28/2016	0.0124 (J)	
2/9/2017	0.0157 (J)	
4/12/2017	0.0183 (J)	
6/16/2017	0.0269 (J)	
10/9/2017	0.0383 (J)	
3/21/2018	0.021 (J)	
9/19/2018	0.026 (J)	
3/23/2019	0.012 (J)	
9/18/2019	0.017 (J)	
3/13/2020	0.014 (J)	
9/22/2020	0.0087 (J)	
3/18/2021	0.0091 (J)	
8/11/2021	<0.04	
2/17/2022		0.015 (J)
8/18/2022		<0.04
2/22/2023		<0.04
8/1/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	<0.04	
6/1/2016	<0.04	
2/22/2017	0.02 (J)	
4/11/2017	<0.04	
6/16/2017	0.0163 (J)	
7/12/2017	0.0117 (J)	
7/28/2017	0.0071 (J)	
8/10/2017	0.0093 (J)	
10/6/2017	0.0148 (J)	
3/23/2018	0.017 (J)	
9/20/2018	0.016 (J)	
3/22/2019	0.013 (J)	
9/18/2019	0.014 (X)	
3/17/2020	0.017 (J)	
9/22/2020	0.01 (J)	
3/19/2021	0.014 (J)	
8/12/2021	0.014 (J)	
2/4/2022		0.017 (J)
8/19/2022		0.015 (J)
2/22/2023		0.013 (J)
8/2/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	<0.04	
6/1/2016	<0.04	
8/9/2016	0.0996 (O)	
11/28/2016	0.0072 (J)	
2/9/2017	<0.04	
4/11/2017	<0.04	
6/14/2017	<0.04	
7/12/2017	<0.04	
10/5/2017	0.0068 (J)	
3/22/2018	<0.04	
9/19/2018	<0.04	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0081 (J)	
9/21/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/18/2022		<0.04
2/22/2023		<0.04
8/1/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	<0.04	
5/31/2016	<0.04	
8/4/2016	<0.04	
9/29/2016	0.0106 (J)	
11/23/2016	0.0099 (J)	
2/10/2017	<0.04	
4/12/2017	0.009 (J)	
6/15/2017	<0.04	
10/6/2017	<0.04	
3/23/2018	0.0053 (J)	
9/19/2018	0.0049 (J)	
3/25/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0064 (J)	
9/21/2020	0.0075 (J)	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/4/2022		<0.04
8/19/2022		<0.04
2/22/2023		<0.04
8/2/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	<0.04	
5/31/2016	<0.04	
11/23/2016	0.0076 (J)	
2/10/2017	<0.04	
4/11/2017	<0.04	
6/15/2017	<0.04	
7/12/2017	<0.04	
7/26/2017	<0.04	
10/6/2017	0.0071 (J)	
3/23/2018	0.0092 (J)	
9/19/2018	0.0046 (J)	
3/22/2019	<0.04	
9/17/2019	<0.04	
3/13/2020	0.0054 (J)	
9/21/2020	<0.04	
3/18/2021	<0.04	
8/11/2021	<0.04	
2/7/2022		<0.04
8/19/2022		<0.04
2/22/2023		<0.04
8/1/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<0.04	
5/16/2016	<0.04	
7/25/2016	<0.04	
9/19/2016	<0.04	
11/3/2016	<0.04	
1/19/2017	<0.04	
3/28/2017	0.0113 (J)	
6/5/2017	<0.04 (*)	
9/26/2017	0.0084 (J)	
3/15/2018	0.014 (J)	
9/12/2018	0.0051 (J)	
3/14/2019	0.018 (X)	
9/11/2019	0.0088 (X)	
3/10/2020	0.019 (J)	
9/15/2020	0.0089 (J)	
3/11/2021	0.016 (J)	
8/4/2021	0.016 (J)	
1/31/2022		0.015 (J)
8/15/2022		0.011 (J)
2/14/2023		0.014 (J)
7/26/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.04	
5/16/2016	<0.04 (D)	
7/25/2016	<0.04 (D)	
9/19/2016	<0.04 (D)	
11/4/2016	<0.04 (D)	
1/23/2017	0.0086 (JD)	
3/29/2017	<0.04 (D)	
6/7/2017	<0.04 (*)	
9/27/2017	<0.04	
3/15/2018	0.0077 (J)	
9/13/2018	<0.04	
3/14/2019	<0.04 (D)	
9/11/2019	<0.04 (D)	
3/10/2020	<0.04	
9/11/2020	<0.04	
3/11/2021	<0.04	
8/6/2021	<0.04	
2/1/2022		0.019 (J)
8/12/2022		<0.04
2/14/2023		<0.04
7/26/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	<0.04	
5/16/2016	<0.04 (D)	
7/25/2016	0.0054 (JD)	
9/19/2016	<0.04 (D)	
11/3/2016	<0.04 (D)	
1/20/2017	<0.04 (D)	
3/29/2017	<0.04 (D)	
6/7/2017	<0.04 (*)	
9/27/2017	<0.04	
3/15/2018	0.0063 (J)	
9/13/2018	<0.04	
3/14/2019	0.006 (JXD)	
9/11/2019	<0.04 (D)	
3/10/2020	0.009 (J)	
9/11/2020	0.0056 (J)	
3/11/2021	0.006 (J)	
8/6/2021	<0.04	
2/1/2022		0.022 (J)
8/12/2022		<0.04
2/14/2023		0.012 (J)
7/26/2023		0.0088 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	<0.04	
5/17/2016	<0.04	
7/26/2016	0.0047 (J)	
9/20/2016	0.0254 (J)	
11/4/2016	<0.04	
1/20/2017	<0.04	
3/28/2017	<0.04	
6/7/2017	<0.04 (*)	
9/29/2017	<0.04	
3/15/2018	0.0042 (J)	
9/13/2018	<0.04	
3/18/2019	0.022 (X)	
9/11/2019	<0.04	
3/10/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
1/31/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04
7/26/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04 (*)	
9/20/2016	0.0133 (J)	
11/7/2016	0.0079 (J)	
1/23/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/27/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/15/2019	<0.04	
9/12/2019	<0.04	
3/9/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
2/1/2022		0.011 (J)
8/15/2022		<0.04
2/14/2023		<0.04
7/27/2023		0.012 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04	
9/20/2016	0.0109 (J)	
11/4/2016	<0.04	
1/20/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/27/2017	<0.04	
3/16/2018	<0.04	
9/13/2018	<0.04	
3/19/2019	<0.04	
9/11/2019	0.0054 (X)	
3/9/2020	0.0051 (J)	
9/15/2020	<0.04	
3/11/2021	<0.04	
8/5/2021	<0.04	
2/1/2022		0.01 (J)
8/15/2022		<0.04
2/14/2023		<0.04
7/27/2023		0.019 (J)

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	<0.04	
5/17/2016	<0.04	
7/27/2016	<0.04 (*)	
9/20/2016	0.0078 (J)	
11/4/2016	<0.04	
1/23/2017	<0.04	
3/28/2017	<0.04	
6/8/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/15/2019	<0.04	
9/11/2019	<0.04	
3/9/2020	<0.04	
9/14/2020	<0.04	
3/11/2021	<0.04	
8/4/2021	<0.04	
1/31/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04
7/26/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	<0.04	
5/18/2016	<0.04	
7/27/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/4/2016	<0.04	
1/24/2017	<0.04	
3/29/2017	<0.04	
6/8/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	<0.04	
9/13/2018	<0.04	
3/18/2019	0.0099 (X)	
9/11/2019	<0.04	
3/11/2020	<0.04	
9/11/2020	0.0057 (J)	
3/15/2021	0.01 (J)	
8/11/2021	<0.04	
2/1/2022		<0.04
8/15/2022		<0.04
2/14/2023		<0.04
7/27/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	<0.04	
5/18/2016	<0.04	
7/28/2016	<0.04 (*)	
9/21/2016	<0.04 (*)	
11/7/2016	0.0138 (J)	
1/24/2017	<0.04	
3/30/2017	0.0077 (J)	
6/9/2017	<0.04	
9/29/2017	<0.04	
3/15/2018	0.0052 (J)	
9/14/2018	<0.04	
3/19/2019	0.0043 (X)	
9/11/2019	<0.04	
3/9/2020	0.0055 (J)	
9/14/2020	<0.04	
3/15/2021	0.0066 (J)	
8/5/2021	<0.04	
2/1/2022		0.0087 (J)
8/15/2022		<0.04
2/14/2023		<0.04
7/27/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	<0.04	
5/25/2016	<0.04	
8/1/2016	<0.04	
9/27/2016	<0.04	
11/11/2016	0.0083 (J)	
1/31/2017	<0.04	
4/3/2017	<0.04	
6/12/2017	<0.04	
10/3/2017	<0.04	
3/19/2018	0.0041 (J)	
9/17/2018	<0.04	
3/20/2019	<0.04	
9/16/2019	0.0051 (J)	
3/16/2020	<0.04	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/9/2021	<0.04	
2/2/2022		<0.04
8/16/2022		<0.04
2/20/2023		<0.04
7/28/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	<0.04	
5/24/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/18/2016	<0.04	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/19/2018	<0.04	
9/17/2018	<0.04	
3/21/2019	<0.04	
9/16/2019	<0.04	
3/12/2020	0.0061 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	<0.04	
5/24/2016	<0.04	
8/1/2016	<0.04	
9/26/2016	<0.04	
11/14/2016	<0.04	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	0.0073 (J)	
9/17/2018	0.0046 (J)	
3/21/2019	<0.04	
9/16/2019	<0.04	
3/12/2020	0.0052 (J)	
9/16/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/17/2023		<0.04
7/28/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	<0.04	
8/2/2016	<0.04	
9/27/2016	0.0073 (J)	
11/21/2016	0.008 (J)	
2/1/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
7/14/2017	0.007 (J)	
10/3/2017	<0.04	
3/20/2018	0.0064 (J)	
9/18/2018	0.0045 (J)	
3/21/2019	<0.04	
9/13/2019	0.0065 (J)	
3/12/2020	0.0057 (J)	
9/16/2020	0.0052 (J)	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		0.011 (J)
2/20/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	<0.04	
5/24/2016	<0.04	
8/2/2016	<0.04	
9/27/2016	<0.04	
11/22/2016	0.0115 (J)	
2/6/2017	<0.04	
4/6/2017	<0.04	
6/14/2017	<0.04	
10/4/2017	<0.04	
3/21/2018	<0.04	
9/18/2018	<0.04	
3/27/2019	0.0078 (J)	
9/16/2019	<0.04 (D)	
3/12/2020	<0.04	
9/17/2020	<0.04	
3/17/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/21/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	<0.04	
5/25/2016	<0.04	
8/2/2016	<0.04	
9/26/2016	<0.04	
11/21/2016	<0.04	
2/3/2017	<0.04	
4/7/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	<0.04	
9/18/2018	<0.04	
5/6/2019	0.0065 (J)	
9/16/2019	<0.04	
3/16/2020	<0.04	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		0.012 (J)
2/20/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	<0.04	
5/26/2016	<0.04	
8/5/2016	<0.04	
9/28/2016	<0.04	
11/21/2016	<0.04	
2/6/2017	<0.04	
4/6/2017	<0.04	
6/13/2017	<0.04	
10/3/2017	<0.04	
3/20/2018	0.0096 (J)	
9/18/2018	<0.04 (D)	
3/21/2019	0.006 (J)	
9/16/2019	<0.04	
3/12/2020	0.0058 (J)	
9/17/2020	<0.04	
3/18/2021	<0.04	
8/10/2021	<0.04	
2/2/2022		<0.04
8/17/2022		<0.04
2/21/2023		<0.04
7/31/2023		<0.04

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	32.6	
5/19/2016	33.4	
7/29/2016	26	
9/23/2016	28.8	
11/9/2016	27.9	
1/30/2017	29.2	
3/30/2017	30	
6/9/2017	30.9	
10/2/2017	31.5	
3/16/2018	28.5	
9/17/2018	30.8	
3/20/2019	30.1	
9/12/2019	31.9	
3/11/2020	31.8	
9/15/2020	30.8	
3/16/2021	34.6	
8/9/2021	32	
2/1/2022		34.1
8/16/2022		34
2/16/2023		33.3
7/27/2023		29.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	54.1	
5/20/2016	23.9	
7/29/2016	25.3	
9/23/2016	26.6	
11/9/2016	16.1	
1/31/2017	5.68	
3/30/2017	25.2	
6/12/2017	34.2	
10/2/2017	1.69	
3/19/2018	63	
9/14/2018	2.4	
3/20/2019	4.3	
9/12/2019	1.8	
3/11/2020	66.6	
9/15/2020	18.4	
3/17/2021	40.4	
8/9/2021	41	
2/1/2022		48
8/16/2022		39.5
2/16/2023		60.5
7/27/2023		23.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	46.5	
5/19/2016	24.6	
7/29/2016	14.9	
9/22/2016	15	
11/10/2016	12.6	
1/31/2017	16.5	
4/3/2017	16.6	
6/9/2017	17.8	
10/2/2017	20.6	
3/16/2018	33	
9/14/2018	22.8 (J)	
3/19/2019	59.2	
9/13/2019	27	
3/11/2020	46.8	
9/15/2020	21.4	
3/16/2021	26.7	
8/9/2021	31.5	
2/1/2022		34.1
8/16/2022		37.9
2/16/2023		51.6
7/27/2023		28

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	27.8 (D)	
7/27/2016	21.2 (D)	
2/21/2017	31.7 (D)	
3/27/2017	31.9 (D)	
6/8/2017	35 (D)	
7/17/2017	35.9 (D)	
7/27/2017	34.9 (D)	
8/9/2017	33.7 (D)	
9/29/2017	33.4 (D)	
3/16/2018	32.6	
9/14/2018	29.2	
3/14/2019	33	
9/10/2019	33.8	
3/9/2020	35.6	
9/16/2020	34.9	
3/16/2021	32.4	
8/6/2021	33	
2/2/2022		32.6
8/16/2022		32
2/14/2023		31.4
7/25/2023		35.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	20	
5/11/2016	9.76	
7/19/2016	3.04	
9/15/2016	4.78	
11/2/2016	2.46	
1/18/2017	5.46	
3/28/2017	13	
6/7/2017	17	
9/26/2017	24.9	
12/28/2017	17.9 (Y)	
3/14/2018	26.4	
9/12/2018	25.1	
3/15/2019	20.3 (X)	
9/9/2019	11.3	
3/9/2020	3.2	
9/10/2020	1	
3/12/2021	11	
8/4/2021	10.6	
1/31/2022		12.7
8/10/2022		8.7
2/13/2023		12.8
7/26/2023		12.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	2.05	
5/23/2016	1.29	
7/29/2016	1.29	
9/22/2016	1.51	
11/10/2016	1.54	
1/31/2017	1.34	
3/30/2017	1.31	
6/12/2017	1.4	
10/4/2017	1.13	
3/19/2018	1.2	
9/17/2018	0.95	
3/20/2019	0.96	
9/13/2019	0.94	
3/11/2020	1	
3/29/2021	19	
8/9/2021	19.4	
2/2/2022		22.6
8/16/2022		22.2
2/17/2023		22.4
8/1/2023		22.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	24	
5/11/2016	22.1	
7/21/2016	19.3	
9/15/2016	18.2	
11/3/2016	18.2	
1/17/2017	22	
3/24/2017	21.1	
5/24/2017	23.5	
9/26/2017	24.1	
3/14/2018	25.7	
9/12/2018	18.4 (J)	
3/13/2019	23.8 (X)	
9/9/2019	15.4	
3/9/2020	29.4	
9/11/2020	17.7	
3/10/2021	22.8	
8/4/2021	17.1	
1/31/2022		18.5
8/12/2022		18.5
2/13/2023		18.4
7/26/2023		18

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	24	
5/12/2016	15.5	
7/20/2016	16.5	
9/15/2016	6.1	
11/3/2016	13.7	
1/18/2017	13.1	
3/24/2017	17.3	
6/6/2017	29.1	
9/25/2017	17.6	
3/14/2018	39.6	
9/12/2018	14.2 (J)	
3/14/2019	22.7 (X)	
9/10/2019	6	
3/6/2020	29.2	
9/10/2020	13.5	
3/11/2021	25.9	
8/4/2021	15.7	
1/31/2022		14.5
8/11/2022		16.2
2/13/2023		26.9
7/25/2023		10.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	38	
5/13/2016	36	
7/21/2016	33.5	
9/21/2016	31.9	
11/3/2016	28.9	
1/17/2017	31.4	
3/27/2017	31.7	
6/6/2017	42.9	
9/25/2017	29.3	
3/14/2018	41.4	
9/12/2018	29	
3/14/2019	31.9	
9/10/2019	29.6	
3/9/2020	25.5	
9/10/2020	22.9	
3/10/2021	40.3	
8/4/2021	38.5	
1/31/2022		39.3
8/11/2022		39.7
2/13/2023		38.6
7/25/2023		36.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	31	
5/16/2016	32	
7/22/2016	28.5	
9/19/2016	28.6	
11/3/2016	26.6	
1/17/2017	28.7	
3/27/2017	30.4	
6/7/2017	31.3	
9/26/2017	29.5	
3/14/2018	32.6	
9/14/2018	30.5	
3/14/2019	32	
9/10/2019	34	
3/6/2020	38	
9/10/2020	31.1	
3/11/2021	34.8	
8/4/2021	34	
1/31/2022		37.3
8/10/2022		40.5
2/13/2023		35.7
7/26/2023		35.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	13	
5/13/2016	18.7	
7/19/2016	12	
9/16/2016	8.48	
11/2/2016	11.4	
1/18/2017	6.81	
3/28/2017	5.61	
6/6/2017	4.99	
9/22/2017	4.24	
3/14/2018	3.6	
9/12/2018	3.7	
3/13/2019	2.9	
9/11/2019	3.2	
3/9/2020	2.6	
9/11/2020	9	
3/11/2021	2.1	
8/6/2021	4	
1/31/2022		2.2
8/11/2022		4.8
2/14/2023		2.2
7/25/2023		2.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	30	
5/13/2016	27.8	
7/19/2016	25.3	
9/16/2016	27.5	
11/2/2016	26.2	
1/18/2017	26.6	
3/28/2017	29	
6/6/2017	29.3	
9/22/2017	32.2	
12/28/2017	29 (Y)	
3/15/2018	28	
9/12/2018	28.7	
3/13/2019	29.2	
9/11/2019	29.5	
3/9/2020	31.7	
9/14/2020	31	
3/11/2021	31.2	
8/5/2021	29	
1/31/2022		30.6
8/10/2022		33.1
2/13/2023		28.5
7/25/2023		34.2

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	54.7 (D)	
4/7/2017	46.8 (D)	
6/14/2017	52.4 (D)	
7/12/2017	51.1 (D)	
7/20/2017	47.5 (D)	
7/28/2017	44 (D)	
8/9/2017	48.3 (D)	
8/24/2017	41.9 (D)	
10/3/2017	47.7 (D)	
3/21/2018	47.5	
9/18/2018	48.1	
3/21/2019	49.9 (D)	
9/12/2019	49.9 (D)	
3/12/2020	54.2	
9/17/2020	48.4	
3/16/2021	53.7	
8/10/2021	56.5	
2/3/2022		57.7
8/17/2022		54.7
2/17/2023		59.4
7/28/2023		43

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	3.89	
5/23/2016	2.16	
8/1/2016	1.37	
9/26/2016	1.86	
11/10/2016	1.86	
1/30/2017	2.86	
4/7/2017	2.34	
6/12/2017	1.87	
10/2/2017	2.53	
3/16/2018	1.8	
9/17/2018	2.3	
3/19/2019	4.2	
9/13/2019	1.9	
3/11/2020	1.6	
9/16/2020	1.7	
3/17/2021	1.4	
8/9/2021	1.5	
2/1/2022		1.5
8/16/2022		1.6
2/16/2023		1.4
7/28/2023		1.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	7.04	
5/25/2016	13.5	
8/1/2016	2.2	
9/26/2016	5.72	
11/11/2016	2.5	
1/30/2017	2.01	
4/3/2017	6.26	
6/12/2017	7.44	
10/2/2017	6.55	
3/16/2018	2.6	
9/18/2018	1.3	
3/19/2019	4.6	
9/12/2019	3.7	
3/11/2020	1.2	
9/15/2020	0.94 (J)	
3/17/2021	5.4	
8/9/2021	1.7	
2/2/2022		0.93 (J)
8/17/2022		3.8
2/16/2023		0.81 (J)
7/28/2023		0.6 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	36.4	
5/26/2016	37.6	
8/5/2016	30.7	
9/28/2016	32.4	
11/22/2016	31.4	
2/7/2017	30.1	
4/10/2017	23.6	
6/14/2017	34.6	
10/4/2017	35.2	
3/20/2018	12 (J)	
9/18/2018	36.7	
3/22/2019	15.4 (J)	
9/17/2019	36.7	
3/12/2020	18.6	
9/17/2020	32.6	
3/18/2021	27	
8/10/2021	29.4	
2/4/2022		21.3
8/17/2022		36.7
2/20/2023		9
7/31/2023		33.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	45	
5/26/2016	41.7	
8/3/2016	35.2	
9/28/2016	39.2	
11/22/2016	37.2	
2/7/2017	38.4	
4/10/2017	38.7	
6/14/2017	40.8	
10/4/2017	40.1	
3/21/2018	43.3	
9/18/2018	45.4	
3/22/2019	37.2	
9/17/2019	40.5	
3/12/2020	43.2	
9/17/2020	39	
3/18/2021	43.8	
8/11/2021	44.3	
2/4/2022		46.3
8/18/2022		48.5
2/20/2023		46.2
7/31/2023		42.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	21.3	
5/26/2016	22.5	
8/3/2016	17.5	
9/28/2016	24.1	
11/22/2016	15.7	
2/8/2017	18.3	
4/10/2017	18.5	
6/15/2017	21	
10/4/2017	9.4	
3/21/2018	19.7 (J)	
9/18/2018	17.6 (J)	
3/23/2019	7.8	
9/17/2019	16.8	
3/12/2020	8	
9/21/2020	17.7	
3/19/2021	19.7	
8/11/2021	9.1	
2/4/2022		19.2
8/18/2022		10.2
2/20/2023		7.4
8/1/2023		23.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	27.9	
5/26/2016	28.7	
8/4/2016	18.6	
9/28/2016	17.7	
11/22/2016	20.2	
2/8/2017	24.3	
4/10/2017	29	
6/15/2017	29	
10/4/2017	23.9	
3/22/2018	27.5	
9/18/2018	26.3	
3/23/2019	28.3	
9/17/2019	27.6	
3/12/2020	32.5	
9/21/2020	26	
3/19/2021	31.3	
8/11/2021	33.2	
2/4/2022		34.8
8/18/2022		36.9
2/20/2023		32.5
8/1/2023		30

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	8.63	
5/27/2016	9.07	
8/3/2016	6.82	
9/30/2016	8.8	
11/22/2016	8.08	
2/13/2017	8.51	
4/11/2017	7.5	
6/14/2017	7.82	
10/4/2017	8.32	
3/22/2018	7.5	
9/18/2018	8.2	
3/23/2019	7.5	
9/17/2019	7.8	
3/12/2020	8.1	
9/21/2020	8	
3/19/2021	7.8	
8/11/2021	8.4	
2/2/2022		8.4
8/18/2022		9.2
2/21/2023		7.9
8/1/2023		7.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	36.9	
5/31/2016	43.9	
8/4/2016	45	
9/29/2016	60.5	
11/28/2016	54.7	
2/9/2017	61	
4/12/2017	52.3	
6/16/2017	62.3	
10/9/2017	58.6	
3/21/2018	40.9	
9/19/2018	45.9	
3/23/2019	29.6	
9/18/2019	40.7	
3/13/2020	33	
9/22/2020	43.1	
3/18/2021	30.8	
8/11/2021	28.4	
2/17/2022		29.3
8/18/2022		33
2/22/2023		26.3
8/1/2023		33.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	26.5	
6/1/2016	26.6	
2/22/2017	51.6	
4/11/2017	45.2	
6/16/2017	47.5	
7/12/2017	51.6	
7/28/2017	46	
8/10/2017	52.2	
10/6/2017	42.2	
3/23/2018	41.4	
9/20/2018	47.5	
3/22/2019	40.5	
9/18/2019	42.9	
3/17/2020	44.9	
9/22/2020	47.7	
3/19/2021	43	
8/12/2021	43.1	
2/4/2022		43.9
8/19/2022		47.3
2/22/2023		40.1
8/2/2023		40.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	35.7	
6/1/2016	28.2	
8/9/2016	43	
11/28/2016	24.8	
2/9/2017	21.2	
4/11/2017	21.1	
6/14/2017	20.6	
7/12/2017	17.7	
10/5/2017	20.1	
3/22/2018	18.6 (J)	
9/19/2018	20 (J)	
3/22/2019	16.7 (J)	
9/17/2019	11.4	
3/13/2020	17	
9/21/2020	13.1	
3/18/2021	13	
8/11/2021	14.3	
2/4/2022		14.3
8/18/2022		14.7
2/22/2023		14.3
8/1/2023		12.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	37.7	
5/31/2016	38.4	
8/4/2016	28.6	
9/29/2016	31.4	
11/23/2016	62.5 (o)	
2/10/2017	31.2	
4/12/2017	34.1	
6/15/2017	34.2	
10/6/2017	35.4	
3/23/2018	35.6	
9/19/2018	35.7	
3/25/2019	35.6	
9/17/2019	39.5	
3/13/2020	41	
9/21/2020	36.5	
3/18/2021	42.1	
8/11/2021	38.6	
2/4/2022		41.7
8/19/2022		40.4
2/22/2023		38.1
8/2/2023		34.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	12.2	
5/31/2016	8.24	
11/23/2016	24.5	
2/10/2017	23.8	
4/11/2017	25.7	
6/15/2017	24.8	
7/12/2017	27.7	
7/26/2017	25.6	
10/6/2017	24.7	
3/23/2018	24.3 (J)	
9/19/2018	23.7 (J)	
3/22/2019	21.3 (J)	
9/17/2019	22.1	
3/13/2020	24.2	
9/21/2020	22.6	
3/18/2021	27.4	
8/11/2021	25.4	
2/7/2022		26.1
8/19/2022		28.1
2/22/2023		24.4
8/1/2023		24.5

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	5.5	
5/16/2016	4.3	
7/25/2016	1.41	
9/19/2016	1.01	
11/3/2016	0.884	
1/19/2017	1.41	
3/28/2017	4.23	
6/5/2017	10.1	
9/26/2017	4.14	
3/15/2018	9	
9/12/2018	4.1	
3/14/2019	17.2 (X)	
9/11/2019	7.1	
3/10/2020	16.9	
9/15/2020	8.3	
3/11/2021	11.9	
8/4/2021	12.5	
1/31/2022		11.2
8/15/2022		10.6
2/14/2023		12.5
7/26/2023		3.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.8	
5/16/2016	0.877 (D)	
7/25/2016	0.781 (D)	
9/19/2016	0.775 (D)	
11/4/2016	0.792 (D)	
1/23/2017	0.782 (D)	
3/29/2017	0.756 (D)	
6/7/2017	0.944	
9/27/2017	0.773	
3/15/2018	0.77	
9/13/2018	0.79	
3/14/2019	0.9 (D)	
9/11/2019	0.83 (D)	
3/10/2020	0.89 (J)	
9/11/2020	0.81 (J)	
3/11/2021	0.93 (J)	
8/6/2021	0.94 (J)	
2/1/2022		1.1
8/12/2022		1.1
2/14/2023		1
7/26/2023		0.97 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	36	
5/16/2016	37.4 (D)	
7/25/2016	30.2 (D)	
9/19/2016	32.3 (D)	
11/3/2016	29.3 (D)	
1/20/2017	28.7 (D)	
3/29/2017	34.9 (D)	
6/7/2017	30.9	
9/27/2017	34.2	
3/15/2018	34.6	
9/13/2018	36.1	
3/14/2019	37 (D)	
9/11/2019	37.2 (D)	
3/10/2020	43.5	
9/11/2020	35.3	
3/11/2021	43.1	
8/6/2021	40.6	
2/1/2022		43.9
8/12/2022		43.3
2/14/2023		47.5
7/26/2023		45.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	50	
5/17/2016	50.5	
7/26/2016	40.7	
9/20/2016	38.8	
11/4/2016	40.7	
1/20/2017	38.8	
3/28/2017	48.3	
6/7/2017	43.4	
9/29/2017	46.6	
3/15/2018	46.2	
9/13/2018	45.3	
3/18/2019	46.1	
9/11/2019	43.1	
3/10/2020	51.6	
9/14/2020	40.2	
3/11/2021	45.2	
8/5/2021	43.7	
1/31/2022		39.9
8/15/2022		38.7
2/14/2023		41.1
7/26/2023		37.7

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	26	
5/18/2016	26.2	
7/27/2016	19.3	
9/20/2016	25.3	
11/7/2016	23.6	
1/23/2017	25.1	
3/29/2017	28.9	
6/8/2017	25.6	
9/27/2017	23.8	
3/15/2018	21.6 (J)	
9/13/2018	23.8 (J)	
3/15/2019	20.4 (X)	
9/12/2019	21.1	
3/9/2020	22.3	
9/14/2020	20.9	
3/11/2021	21.1	
8/5/2021	20.4	
2/1/2022		21.3
8/15/2022		33.7 (J)
2/14/2023		20.5
7/27/2023		17.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	25	
5/18/2016	27.6	
7/27/2016	23.9	
9/20/2016	28.9	
11/4/2016	32.1	
1/20/2017	31.8	
3/29/2017	34.6	
6/8/2017	34	
9/27/2017	30.8	
3/16/2018	30.2	
9/13/2018	30.9	
3/19/2019	28.4	
9/11/2019	33.3	
3/9/2020	35	
9/15/2020	31.6	
3/11/2021	31.8	
8/5/2021	29	
2/1/2022		29.4
8/15/2022		22.3
2/14/2023		31.6
7/27/2023		27.9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	12	
5/17/2016	3.25	
7/27/2016	3.2	
9/20/2016	2.72	
11/4/2016	1.69	
1/23/2017	<0.5	
3/28/2017	1.72	
6/8/2017	3.11	
9/29/2017	2.71	
3/15/2018	3.5	
9/13/2018	2.5	
3/15/2019	4.4	
9/11/2019	2.9	
3/9/2020	4.5	
9/14/2020	3.5	
3/11/2021	5.9	
8/4/2021	2.8	
1/31/2022		2.8
8/15/2022		5.6
2/14/2023		3
7/26/2023		3.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	24	
5/18/2016	27.7	
7/27/2016	21.7	
9/21/2016	24.9	
11/4/2016	23.6	
1/24/2017	23	
3/29/2017	27.5	
6/8/2017	27.1	
9/29/2017	25.3	
3/15/2018	24.4 (J)	
9/13/2018	22.8 (J)	
3/18/2019	31	
9/11/2019	24.3	
3/11/2020	27.1	
9/11/2020	24.7	
3/15/2021	24.7	
8/11/2021	27.4	
2/1/2022		26
8/15/2022		25.4
2/14/2023		24.3
7/27/2023		21.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	6.4	
5/18/2016	4.63	
7/28/2016	2.25	
9/21/2016	1.86	
11/7/2016	1.65	
1/24/2017	1.62	
3/30/2017	1.27	
6/9/2017	1.18	
9/29/2017	0.967	
3/15/2018	0.81	
9/14/2018	0.7	
3/19/2019	1.1	
9/11/2019	0.78	
3/9/2020	0.87 (J)	
9/14/2020	0.65 (J)	
3/15/2021	0.69 (J)	
8/5/2021	0.67 (J)	
2/1/2022		0.62 (J)
8/15/2022		0.7 (J)
2/14/2023		0.65 (J)
7/27/2023		0.61 (J)

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	4.29	
5/25/2016	7.15	
8/1/2016	3.35	
9/27/2016	2.89	
11/11/2016	3.33	
1/31/2017	3.21	
4/3/2017	2.57	
6/12/2017	6.22	
10/3/2017	2.45	
3/19/2018	3.3	
9/17/2018	2	
3/20/2019	2.7	
9/16/2019	2.8	
3/16/2020	12.1	
9/16/2020	2.8	
3/17/2021	3	
8/9/2021	2.6	
2/2/2022		3.7
8/16/2022		3.7
2/20/2023		3.5
7/28/2023		1.9

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	13.8	
5/24/2016	14.8	
9/26/2016	13.3	
11/18/2016	12.4	
2/1/2017	13.3	
4/6/2017	13.4	
6/13/2017	14.6	
10/3/2017	13.9	
3/19/2018	14.4 (J)	
9/17/2018	12.4 (J)	
3/21/2019	14.9 (J)	
9/16/2019	13.5	
3/12/2020	16.2	
9/16/2020	14.3	
3/17/2021	14.1	
8/10/2021	14.7	
2/2/2022		15.5
8/17/2022		15.8
2/17/2023		15.2
7/31/2023		14.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	11.1	
5/24/2016	12.6	
9/26/2016	11.8	
11/14/2016	11.3	
2/1/2017	12.6	
4/6/2017	9.84	
6/13/2017	13	
10/3/2017	13.7	
3/20/2018	11.5 (J)	
9/17/2018	11 (J)	
3/21/2019	8.3	
9/16/2019	9.5	
3/12/2020	9.3	
9/16/2020	8.8	
3/17/2021	9.5	
8/10/2021	9.9	
2/2/2022		10.5
8/17/2022		10
2/17/2023		9.7
7/28/2023		7.1

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	25.7	
8/2/2016	22.9	
9/27/2016	22.2	
11/21/2016	22.1	
2/1/2017	21.7	
4/6/2017	21.4	
6/13/2017	24.4	
7/14/2017	24.8	
10/3/2017	23.6	
3/20/2018	22.9 (J)	
9/18/2018	20.8 (J)	
3/21/2019	25.2	
9/13/2019	24.6	
3/12/2020	26.4	
9/16/2020	24.4	
3/17/2021	23.9	
8/10/2021	26.2	
2/2/2022		26.9
8/17/2022		27.2
2/20/2023		26.1
7/31/2023		23.6

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	22.2	
5/24/2016	25.2	
8/2/2016	20.8	
9/27/2016	23.1	
11/22/2016	22.3	
2/6/2017	21.4	
4/6/2017	21.1	
6/14/2017	22.1	
10/4/2017	23.1	
3/21/2018	22.5 (J)	
9/18/2018	20.8 (J)	
3/27/2019	20.6 (J)	
9/16/2019	23	
3/12/2020	21.8	
9/17/2020	21.4	
3/17/2021	22.4	
8/10/2021	23.5	
2/2/2022		23.9
8/17/2022		24
2/21/2023		18
7/31/2023		23

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	25.1	
5/25/2016	23.7	
8/2/2016	21.5	
9/26/2016	21.4	
11/21/2016	21	
2/3/2017	20	
6/13/2017	21.5	
10/3/2017	22.8	
3/20/2018	20.3 (J)	
9/18/2018	15.5 (J)	
5/6/2019	20 (J)	
9/16/2019	20.3	
3/16/2020	19.4	
9/17/2020	18.1	
3/18/2021	9.6	
8/10/2021	20	
2/2/2022		20.8
8/17/2022		10.4
2/20/2023		18.5
7/31/2023		20.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	9.07	
5/26/2016	15.8	
8/5/2016	20.5	
9/28/2016	24.9	
11/21/2016	23.4	
2/6/2017	1.7	
4/6/2017	1.6	
6/13/2017	3.82	
10/3/2017	9.77	
3/20/2018	1.4	
9/18/2018	3.35 (D)	
3/21/2019	4.8	
9/16/2019	12	
3/12/2020	1.8	
9/17/2020	18.3	
3/18/2021	1.9	
8/10/2021	1.9	
2/2/2022		2.2
8/17/2022		2.5
2/21/2023		2.3
7/31/2023		11.6

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	0.0614 (J)	
5/19/2016	0.064 (J)	
7/29/2016	0.11 (J)	
9/23/2016	0.03 (J)	
11/9/2016	0.1 (J)	
1/30/2017	<0.1	
3/30/2017	0.01 (J)	
6/9/2017	0.04 (J)	
10/2/2017	0.07 (J)	
3/16/2018	0.029 (J)	
9/17/2018	<0.1 (D)	
3/20/2019	<0.1	
9/12/2019	0.051 (J)	
3/11/2020	0.052 (J)	
9/15/2020	0.05 (J)	
3/16/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.089 (J)
2/16/2023		0.07 (J)
7/27/2023		0.054 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	0.0477 (J)	
5/20/2016	0.033 (J)	
7/29/2016	0.16 (J)	
9/23/2016	0.1 (J)	
11/9/2016	0.04 (J)	
1/31/2017	<0.1	
3/30/2017	0.02 (J)	
6/12/2017	0.17 (J)	
10/2/2017	<0.1	
3/19/2018	1.1 (O)	
9/14/2018	<0.1	
3/20/2019	<0.1	
9/12/2019	<0.1 (D)	
3/11/2020	<0.1	
9/15/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.086 (J)
2/16/2023		0.061 (J)
7/27/2023		0.057 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	0.0826 (J)	
5/19/2016	0.0409 (J)	
7/29/2016	0.07 (J)	
9/22/2016	<0.1	
11/10/2016	0.03 (J)	
1/31/2017	<0.1	
4/3/2017	0.02 (J)	
6/9/2017	0.06 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/14/2018	<0.1	
3/19/2019	0.056 (J)	
9/13/2019	0.055 (J)	
3/11/2020	0.052 (J)	
9/15/2020	<0.1	
3/16/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.09 (J)
2/16/2023		0.079 (J)
7/27/2023		0.062 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	0.0202 (JD)	
7/27/2016	0.08 (JD)	
2/21/2017	0.17 (JD)	
3/27/2017	0.09 (JD)	
6/8/2017	0.05 (JD)	
7/17/2017	0.05 (JD)	
7/27/2017	0.08 (JD)	
8/9/2017	<0.1 (*)	
9/29/2017	0.04 (JD)	
3/16/2018	0.27 (J)	
9/14/2018	0.1 (J)	
3/14/2019	0.066 (X)	
9/10/2019	0.055 (X)	
3/9/2020	<0.1	
9/16/2020	<0.1	
3/16/2021	<0.1	
8/6/2021	<0.1	
2/2/2022		<0.1
8/16/2022		<0.1
2/14/2023		0.074 (J)
7/25/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	0.0657 (J)	
5/11/2016	0.0401 (J)	
7/19/2016	<0.1	
9/15/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	0.03 (J)	
3/28/2017	0.06 (J)	
6/7/2017	0.06 (J)	
9/26/2017	0.04 (J)	
3/14/2018	0.14 (J)	
9/12/2018	<0.1	
3/15/2019	<0.1	
9/9/2019	0.054 (X)	
3/9/2020	<0.1	
9/10/2020	<0.1	
3/12/2021	0.051 (J)	
8/4/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.075 (J)
2/13/2023		0.064 (J)
7/26/2023		0.055 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<0.1	
5/23/2016	<0.1	
7/29/2016	<0.1	
9/22/2016	<0.1	
11/10/2016	<0.1	
1/31/2017	<0.1	
3/30/2017	<0.1	
6/12/2017	<0.1	
10/4/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/20/2019	<0.1	
9/13/2019	<0.1	
3/11/2020	<0.1	
3/29/2021	0.053 (J)	
8/9/2021	0.055 (J)	
2/2/2022		<0.1
8/16/2022		0.082 (J)
2/17/2023		0.055 (J)
8/1/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	0.0267 (J)	
5/11/2016	0.0255 (J)	
7/21/2016	<0.1	
9/19/2016	<0.1	
11/3/2016	0.11 (J)	
1/17/2017	0.02 (J)	
3/24/2017	<0.1	
5/24/2017	<0.1	
9/26/2017	<0.1	
3/14/2018	0.055 (J)	
9/12/2018	<0.1	
3/13/2019	0.045 (X)	
9/9/2019	<0.1	
3/9/2020	<0.1	
9/11/2020	<0.1	
3/10/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/12/2022		0.068 (J)
2/13/2023		0.054 (J)
7/26/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	0.0285 (J)	
5/12/2016	0.022 (J)	
7/20/2016	<0.1	
9/15/2016	<0.1	
11/3/2016	0.05 (J)	
1/18/2017	0.02 (J)	
3/24/2017	<0.1	
6/6/2017	<0.1	
9/25/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/14/2019	0.039 (X)	
9/10/2019	<0.1	
3/6/2020	<0.1	
9/10/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/13/2023		0.05 (J)
7/25/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	0.0394 (J)	
5/13/2016	0.0234 (J)	
7/21/2016	<0.1	
9/21/2016	<0.1	
11/3/2016	0.12 (J)	
1/17/2017	0.01 (J)	
3/27/2017	<0.1	
6/6/2017	<0.1	
9/25/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/14/2019	0.04 (X)	
9/10/2019	<0.1	
3/9/2020	<0.1	
9/10/2020	<0.1	
3/10/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/13/2023		<0.1
7/25/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	0.0296 (J)	
5/16/2016	0.0287 (J)	
7/22/2016	0.04 (J)	
9/19/2016	<0.1	
11/3/2016	0.04 (J)	
1/17/2017	0.02 (J)	
3/27/2017	<0.1	
6/7/2017	<0.1	
9/26/2017	<0.1	
3/14/2018	0.06 (J)	
9/14/2018	<0.1	
3/14/2019	0.058 (X)	
9/10/2019	<0.1	
3/6/2020	<0.1	
9/10/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.068 (J)
2/13/2023		0.056 (J)
7/26/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	0.0329 (J)	
5/13/2016	0.0459 (J)	
7/19/2016	<0.1	
9/16/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	<0.1	
3/28/2017	<0.1	
6/6/2017	<0.1	
9/22/2017	<0.1	
3/14/2018	<0.1	
9/12/2018	<0.1	
3/13/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
1/31/2022		<0.1
8/11/2022		<0.1
2/14/2023		0.052 (J)
7/25/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	0.0141 (J)	
5/13/2016	0.0141 (J)	
7/19/2016	<0.1	
9/16/2016	<0.1	
11/2/2016	0.04 (J)	
1/18/2017	0.02 (J)	
3/28/2017	<0.1	
6/6/2017	<0.1	
9/22/2017	<0.1	
3/15/2018	<0.1	
9/12/2018	<0.1	
3/13/2019	0.036 (X)	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
1/31/2022		<0.1
8/10/2022		0.062 (J)
2/13/2023		<0.1
7/25/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	0.3 (D)	
4/7/2017	0.19 (JD)	
6/14/2017	0.19 (JD)	
7/12/2017	0.18 (JD)	
7/20/2017	0.17 (JD)	
7/28/2017	0.13 (JD)	
8/9/2017	0.245 (JD)	
8/24/2017	0.16 (JD)	
10/3/2017	0.17 (JD)	
3/21/2018	0.24 (J)	
9/18/2018	<0.3	
3/21/2019	0.19 (JD)	
9/12/2019	0.1 (JD)	
3/12/2020	0.18 (J)	
9/17/2020	0.12 (J)	
3/16/2021	0.1	
8/10/2021	0.087 (J)	
2/3/2022		0.15
8/17/2022		0.11
2/17/2023		0.11
7/28/2023		0.077 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	0.0314 (J)	
5/23/2016	0.027 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/10/2016	0.04 (J)	
1/30/2017	<0.1	
4/7/2017	<0.1	
6/12/2017	0.07 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/17/2018	<0.1	
3/19/2019	<0.1	
9/13/2019	<0.1	
3/11/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/1/2022		<0.1
8/16/2022		0.06 (J)
2/16/2023		<0.1
7/28/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	0.0326 (J)	
5/25/2016	0.0285 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/11/2016	<0.1	
1/30/2017	<0.1	
4/3/2017	0.04 (J)	
6/12/2017	0.06 (J)	
10/2/2017	<0.1	
3/16/2018	<0.1	
9/18/2018	<0.1	
3/19/2019	<0.1	
9/12/2019	<0.1	
3/11/2020	<0.1	
9/15/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.063 (J)
2/16/2023		<0.1
7/28/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	0.0389 (J)	
5/26/2016	0.0375 (J)	
8/5/2016	0.03 (J)	
9/28/2016	<0.1	
11/22/2016	0.04 (J)	
2/7/2017	<0.1	
4/10/2017	<0.1	
6/14/2017	0.02 (J)	
10/4/2017	<0.1	
3/20/2018	<0.1	
9/18/2018	<0.1	
3/22/2019	0.045 (J)	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/4/2022		<0.1
8/17/2022		0.094 (J)
2/20/2023		<0.1
7/31/2023		0.07 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	0.0209 (J)	
5/26/2016	0.037 (J)	
8/3/2016	<0.1	
9/28/2016	0.05 (J)	
11/22/2016	0.04 (J)	
2/7/2017	<0.1	
4/10/2017	<0.1	
6/14/2017	<0.1	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		0.051 (J)
2/20/2023		<0.1
7/31/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	0.0357 (J)	
5/26/2016	0.042 (J)	
8/3/2016	0.04 (J)	
9/28/2016	<0.1	
11/22/2016	0.06 (J)	
2/8/2017	0.05 (J)	
4/10/2017	<0.1	
6/15/2017	0.03 (J)	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/20/2023		<0.1
8/1/2023		0.05 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	0.022 (J)	
5/26/2016	0.023 (J)	
8/4/2016	0.05 (J)	
9/28/2016	<0.1	
11/22/2016	0.04 (J)	
2/8/2017	<0.1	
4/10/2017	<0.1	
6/15/2017	<0.1	
10/4/2017	<0.1	
3/22/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/20/2023		<0.1
8/1/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	0.035 (J)	
5/27/2016	0.032 (J)	
8/3/2016	<0.1	
9/30/2016	<0.1	
11/22/2016	0.03 (J)	
2/13/2017	<0.1	
4/11/2017	<0.1	
6/14/2017	0.01 (J)	
10/4/2017	<0.1	
3/22/2018	<0.1	
9/18/2018	<0.1	
3/23/2019	<0.1	
9/17/2019	<0.1 (D)	
3/12/2020	<0.1	
9/21/2020	<0.1	
3/19/2021	<0.1	
8/11/2021	<0.1	
2/2/2022		<0.1
8/18/2022		0.052 (J)
2/21/2023		0.054 (J)
8/1/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	0.026 (J)	
5/31/2016	0.0234 (J)	
8/4/2016	0.09 (J)	
9/29/2016	<0.1	
11/28/2016	0.08 (J)	
2/9/2017	0.24 (J)	
4/12/2017	<0.1	
6/16/2017	0.04 (J)	
10/9/2017	<0.1	
3/21/2018	<0.1	
9/19/2018	<0.1	
3/23/2019	<0.1	
9/18/2019	<0.1	
3/13/2020	<0.1	
9/22/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/17/2022		<0.1
8/18/2022		0.061 (J)
2/22/2023		0.06 (J)
8/1/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	0.044 (J)	
6/1/2016	0.0338 (J)	
2/22/2017	0.22 (J)	
4/11/2017	0.16 (J)	
6/16/2017	0.2 (J)	
7/12/2017	0.2 (J)	
7/28/2017	0.18 (J)	
8/10/2017	<0.3	
10/6/2017	0.14 (J)	
3/23/2018	0.24 (J)	
9/20/2018	<0.3	
3/22/2019	0.12 (J)	
9/18/2019	0.17 (X)	
3/17/2020	0.11 (J)	
9/22/2020	0.1 (J)	
3/19/2021	0.12	
8/12/2021	0.11	
2/4/2022		0.13
8/19/2022		0.14
2/22/2023		0.15
8/2/2023		0.14

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	0.019 (J)	
6/1/2016	0.0148 (J)	
8/9/2016	0.04 (J)	
11/28/2016	0.07 (J)	
2/9/2017	0.08 (J)	
4/11/2017	<0.1	
6/14/2017	0.01 (J)	
7/12/2017	0.05 (J)	
10/5/2017	<0.1	
3/22/2018	<0.1	
9/19/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/18/2022		<0.1
2/22/2023		<0.1
8/1/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	0.027 (J)	
5/31/2016	0.0233 (J)	
8/4/2016	<0.1	
9/29/2016	<0.1	
11/23/2016	0.04 (J)	
2/10/2017	<0.1	
4/12/2017	<0.1	
6/15/2017	0.06 (J)	
10/6/2017	<0.1	
3/23/2018	<0.1	
9/19/2018	<0.1	
3/25/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/4/2022		<0.1
8/19/2022		0.054 (J)
2/22/2023		0.05 (J)
8/2/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	0.053 (J)	
5/31/2016	0.0669 (J)	
11/23/2016	0.03 (J)	
2/10/2017	<0.1	
4/11/2017	<0.1	
6/15/2017	0.02 (J)	
7/12/2017	0.04 (J)	
7/26/2017	0.03 (J)	
10/6/2017	<0.1	
3/23/2018	<0.1	
9/19/2018	<0.1	
3/22/2019	<0.1	
9/17/2019	<0.1	
3/13/2020	<0.1	
9/21/2020	<0.1	
3/18/2021	<0.1	
8/11/2021	<0.1	
2/7/2022		<0.1
8/19/2022		0.053 (J)
2/22/2023		<0.1
8/1/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	0.0657 (J)	
5/16/2016	0.0415 (J)	
7/25/2016	0.14 (J)	
9/19/2016	<0.1	
11/3/2016	0.06 (J)	
1/19/2017	0.009 (J)	
3/28/2017	0.04 (J)	
6/5/2017	0.06 (J)	
7/20/2017	0.21 (J)	
9/26/2017	0.14 (J)	
3/15/2018	0.11 (J)	
9/12/2018	0.062 (J)	
3/14/2019	0.13 (X)	
9/11/2019	<0.1	
3/10/2020	0.13 (J)	
9/15/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.056 (J)
2/14/2023		0.075 (J)
7/26/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<0.1	
5/16/2016	<0.1 (D)	
7/25/2016	0.02 (JD)	
9/19/2016	<0.1 (D)	
11/4/2016	0.04 (JD)	
1/23/2017	0.006 (JD)	
3/29/2017	<0.1 (D)	
6/7/2017	<0.1	
9/27/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/14/2019	<0.1 (D)	
9/11/2019	<0.1 (D)	
3/10/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
2/1/2022		<0.1
8/12/2022		<0.1
2/14/2023		<0.1
7/26/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	0.0167 (J)	
5/16/2016	0.0161 (JD)	
7/25/2016	0.14 (JD)	
9/19/2016	<0.1 (D)	
11/3/2016	0.08 (JD)	
1/20/2017	0.01 (JD)	
3/29/2017	<0.1 (D)	
6/7/2017	<0.1	
9/27/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/14/2019	0.039 (XJD)	
9/11/2019	<0.1 (D)	
3/10/2020	<0.1	
9/11/2020	<0.1	
3/11/2021	<0.1	
8/6/2021	<0.1	
2/1/2022		<0.1
8/12/2022		0.063 (J)
2/14/2023		<0.1
7/26/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	0.0235 (J)	
5/17/2016	0.0281 (J)	
7/26/2016	<0.1	
9/20/2016	<0.1	
11/4/2016	0.05 (J)	
1/20/2017	0.01 (J)	
3/28/2017	<0.1	
6/7/2017	<0.1	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/18/2019	<0.1	
9/11/2019	<0.1	
3/10/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.06 (J)
2/14/2023		0.091 (J)
7/26/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	0.0439 (J)	
5/18/2016	0.059 (J)	
7/27/2016	0.1 (J)	
9/20/2016	0.04 (J)	
11/7/2016	0.1 (J)	
1/23/2017	0.13 (J)	
3/29/2017	0.04 (J)	
6/8/2017	0.05 (J)	
9/27/2017	0.04 (J)	
3/15/2018	<0.1	
9/13/2018	0.047 (J)	
3/15/2019	<0.1	
9/12/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		0.058 (J)
2/14/2023		0.064 (J)
7/27/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	0.0551 (J)	
5/18/2016	0.065 (J)	
7/27/2016	0.09 (J)	
9/20/2016	<0.1	
11/4/2016	0.04 (J)	
1/20/2017	0.009 (J)	
3/29/2017	<0.1	
6/8/2017	<0.1 (*)	
9/27/2017	<0.1	
3/16/2018	0.13 (J)	
9/13/2018	<0.1	
3/19/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/15/2020	<0.1	
3/11/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		0.069 (J)
2/14/2023		0.081 (J)
7/27/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	0.0195 (J)	
5/17/2016	0.0156 (J)	
7/27/2016	<0.1	
9/20/2016	0.03 (J)	
11/4/2016	0.06 (J)	
1/23/2017	0.02 (J)	
3/28/2017	<0.1	
6/8/2017	0.06 (J)	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/15/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/11/2021	<0.1	
8/4/2021	<0.1	
1/31/2022		<0.1
8/15/2022		0.065 (J)
2/14/2023		0.058 (J)
7/26/2023		0.068 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	0.0257 (J)	
5/18/2016	0.022 (J)	
7/27/2016	0.07 (J)	
9/21/2016	<0.1	
11/4/2016	0.03 (J)	
1/24/2017	<0.1	
3/29/2017	<0.1	
6/8/2017	<0.1 (*)	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/13/2018	<0.1	
3/18/2019	<0.1	
9/11/2019	<0.1	
3/11/2020	<0.1	
9/11/2020	<0.1	
3/15/2021	<0.1	
8/11/2021	<0.1	
2/1/2022		<0.1
8/15/2022		<0.1
2/14/2023		<0.1
7/27/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	0.017 (J)	
5/18/2016	0.015 (J)	
7/28/2016	0.08 (J)	
9/21/2016	<0.1	
11/7/2016	<0.1	
1/24/2017	<0.1	
3/30/2017	<0.1	
6/9/2017	<0.1	
9/29/2017	<0.1	
3/15/2018	<0.1	
9/14/2018	<0.1	
3/19/2019	<0.1	
9/11/2019	<0.1	
3/9/2020	<0.1	
9/14/2020	<0.1	
3/15/2021	<0.1	
8/5/2021	<0.1	
2/1/2022		<0.1
8/15/2022		<0.1
2/14/2023		<0.1
7/27/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	0.0284 (J)	
5/25/2016	0.0207 (J)	
8/1/2016	<0.1	
9/27/2016	<0.1	
11/11/2016	0.04 (J)	
1/31/2017	<0.1	
4/3/2017	<0.1	
6/12/2017	0.02 (J)	
10/3/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/20/2019	<0.1	
9/16/2019	<0.1	
3/16/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/9/2021	<0.1	
2/2/2022		<0.1
8/16/2022		0.062 (J)
2/20/2023		<0.1
7/28/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	0.0239 (J)	
5/24/2016	0.023 (J)	
8/1/2016	<0.1	
9/26/2016	<0.1	
11/18/2016	0.02 (J)	
2/1/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	0.006 (J)	
10/3/2017	<0.1	
3/19/2018	<0.1	
9/17/2018	<0.1	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.064 (J)
2/17/2023		<0.1
7/31/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	0.0364 (J)	
5/24/2016	0.0286 (J)	
8/1/2016	0.08 (J)	
9/26/2016	<0.1	
11/14/2016	0.08 (J)	
2/1/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	0.05 (J)	
10/3/2017	<0.1	
3/20/2018	<0.1	
9/17/2018	<0.1	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.07 (J)
2/17/2023		0.052 (J)
7/28/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	0.043 (J)	
8/2/2016	<0.1	
9/27/2016	<0.1	
11/21/2016	0.22 (J)	
2/1/2017	<0.1	
4/6/2017	0.008 (J)	
6/13/2017	0.03 (J)	
7/14/2017	0.05 (J)	
10/3/2017	0.06 (J)	
3/20/2018	<0.1	
9/18/2018	<0.1	
3/21/2019	<0.1	
9/13/2019	<0.1	
3/12/2020	<0.1	
9/16/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.073 (J)
2/20/2023		0.057 (J)
7/31/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	0.0228 (J)	
5/24/2016	0.019 (J)	
8/2/2016	<0.1	
9/27/2016	<0.1	
11/22/2016	0.02 (J)	
2/6/2017	<0.1	
4/6/2017	<0.1	
6/14/2017	<0.1	
10/4/2017	<0.1	
3/21/2018	<0.1	
9/18/2018	<0.1	
3/27/2019	<0.1	
9/16/2019	<0.1 (D)	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/17/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.062 (J)
2/21/2023		0.057 (J)
7/31/2023		<0.1

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	0.048 (J)	
5/25/2016	0.0345 (J)	
8/2/2016	0.08 (J)	
9/26/2016	0.07 (J)	
11/21/2016	0.07 (J)	
2/3/2017	<0.1	
4/7/2017	0.03 (J)	
6/13/2017	0.05 (J)	
10/3/2017	0.1 (J)	
3/20/2018	<0.1	
9/18/2018	<0.1	
5/6/2019	<0.1	
9/16/2019	<0.1	
3/16/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.062 (J)
2/20/2023		0.061 (J)
7/31/2023		0.056 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	0.0241 (J)	
5/26/2016	0.0307 (J)	
8/5/2016	<0.1	
9/28/2016	<0.1	
11/21/2016	0.05 (J)	
2/6/2017	<0.1	
4/6/2017	<0.1	
6/13/2017	<0.1	
10/3/2017	<0.1	
3/20/2018	<0.1	
9/18/2018	<0.1 (D)	
3/21/2019	<0.1	
9/16/2019	<0.1	
3/12/2020	<0.1	
9/17/2020	<0.1	
3/18/2021	<0.1	
8/10/2021	<0.1	
2/2/2022		<0.1
8/17/2022		0.067 (J)
2/21/2023		<0.1
7/31/2023		<0.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	2.3685	
5/19/2016	2.14	
7/29/2016	1.9	
9/23/2016	2	
11/9/2016	1.6	
1/30/2017	1.8	
3/30/2017	1.6	
6/9/2017	1.7	
10/2/2017	1.8	
3/16/2018	1.5	
9/17/2018	1.3 (D)	
3/20/2019	1.5	
9/12/2019	0.98 (J)	
3/11/2020	0.94 (J)	
9/15/2020	0.96 (J)	
3/16/2021	0.99 (J)	
8/9/2021	1.3	
2/1/2022		0.93 (J)
8/16/2022		0.78 (J)
2/16/2023		1.1
7/27/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	105.552	
5/20/2016	44.3	
7/29/2016	48	
9/23/2016	43	
11/9/2016	31	
1/31/2017	4.2	
3/30/2017	53	
6/12/2017	95	
10/2/2017	3.5	
3/19/2018	147	
9/14/2018	7.7	
3/20/2019	3.6	
9/12/2019	5.2	
3/11/2020	131	
9/15/2020	35.3	
3/17/2021	90.7	
8/9/2021	84.7	
2/1/2022		86.1
8/16/2022		58.5
2/16/2023		115
7/27/2023		44

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	26.8249	
5/19/2016	3.81	
7/29/2016	1.1	
9/22/2016	0.96 (J)	
11/10/2016	0.72 (J)	
1/31/2017	1.5	
4/3/2017	1.3	
6/9/2017	1.2	
10/2/2017	1.7	
3/16/2018	14.8 (J)	
9/14/2018	2.1	
3/19/2019	32.5 (J)	
9/13/2019	3.8	
3/11/2020	34.3	
9/15/2020	1	
3/16/2021	3.3	
8/9/2021	1.6	
2/1/2022		1.5
8/16/2022		7.8
2/16/2023		38.9
7/27/2023		17.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	2.4 (D)	
7/27/2016	3.6 (D)	
2/21/2017	26 (D)	
3/27/2017	10 (D)	
6/8/2017	6.7 (D)	
7/17/2017	6.4 (D)	
7/27/2017	18 (D)	
8/9/2017	18 (D)	
9/29/2017	21 (D)	
3/16/2018	15.5	
9/14/2018	11.6	
3/14/2019	9.3	
9/10/2019	14	
3/9/2020	5.8	
9/16/2020	8.6	
3/16/2021	3.5	
8/6/2021	4.2	
2/2/2022		4.5
8/16/2022		4.5
2/14/2023		6.3
7/25/2023		4.9

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	4.2598	
5/11/2016	6.05	
7/19/2016	9.5	
9/15/2016	6.7	
11/2/2016	5.4	
1/18/2017	5.5	
3/28/2017	2.9	
6/7/2017	2.3	
9/26/2017	3.2	
3/14/2018	3.8	
9/12/2018	3.7	
3/15/2019	3	
9/9/2019	2.4	
3/9/2020	0.84 (J)	
9/10/2020	0.95 (J)	
3/12/2021	2	
8/4/2021	1.3	
1/31/2022		1.2
8/10/2022		1.3
2/13/2023		1.7
7/26/2023		1.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	0.8724 (J)	
5/23/2016	0.805 (J)	
7/29/2016	0.84 (J)	
9/22/2016	0.94 (J)	
11/10/2016	1.1	
1/31/2017	0.92 (J)	
3/30/2017	0.77 (J)	
6/12/2017	0.68 (J)	
10/4/2017	0.5 (J)	
3/19/2018	0.49 (J)	
9/17/2018	0.36 (J)	
3/20/2019	0.38 (J)	
9/13/2019	<1	
3/11/2020	<1	
3/29/2021	5.4	
8/9/2021	5	
2/2/2022		3.4
8/16/2022		3.5
2/17/2023		2.5
8/1/2023		3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	1.2104	
5/11/2016	1.28	
7/21/2016	0.91 (J)	
9/19/2016	1.3	
11/3/2016	1.5	
1/17/2017	<1.2 (*)	
3/24/2017	0.86 (J)	
5/24/2017	1.2	
9/26/2017	4.2	
12/28/2017	7.4 (Y)	
3/14/2018	3.8	
9/12/2018	1.7	
3/13/2019	2.1	
9/9/2019	1.6	
3/9/2020	1.2	
9/11/2020	1.3	
3/10/2021	1.5	
8/4/2021	1.4	
1/31/2022		1.2
8/12/2022		1.2
2/13/2023		1.4
7/26/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:02 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	4.9347	
5/12/2016	2.3	
7/20/2016	2	
9/15/2016	1.1	
11/3/2016	1.6	
1/18/2017	1.5	
3/24/2017	1.6	
6/6/2017	4.1	
9/25/2017	1.9	
3/14/2018	11.5	
9/12/2018	1.8	
3/14/2019	6.2	
9/10/2019	1.2	
3/6/2020	10	
9/10/2020	1.7	
3/11/2021	6.1	
8/4/2021	1.7	
1/31/2022		1.8
8/11/2022		1.9
2/13/2023		6
7/25/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	6.4987	
5/13/2016	3.68	
7/21/2016	4.5	
9/21/2016	2.8	
11/3/2016	6.7	
1/17/2017	<1.1 (*)	
3/27/2017	0.85 (J)	
6/6/2017	6.1	
9/25/2017	3.5	
3/14/2018	10.9 (J)	
9/12/2018	3.7	
3/14/2019	8.9	
9/10/2019	8.4	
3/9/2020	8.5	
9/10/2020	5.9	
3/10/2021	8.4	
8/4/2021	6.4	
1/31/2022		8.5
8/11/2022		4.7
2/13/2023		10.2
7/25/2023		3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	1.4538	
5/16/2016	1.18	
7/22/2016	1.8	
9/19/2016	1.4	
11/3/2016	1.6	
1/17/2017	<1.8 (*)	
3/27/2017	2	
6/7/2017	1.9	
9/26/2017	2	
3/14/2018	2.1	
9/14/2018	1.6	
3/14/2019	2.2	
9/10/2019	1.2	
3/6/2020	1.7	
9/10/2020	0.95 (J)	
3/11/2021	1.6	
8/4/2021	1.4	
1/31/2022		1.1
8/10/2022		1
2/13/2023		1.6
7/26/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	1.1313	
5/13/2016	1.96	
7/19/2016	1.3	
9/16/2016	1.1	
11/2/2016	1.2	
1/18/2017	0.84 (J)	
3/28/2017	0.7 (J)	
6/6/2017	0.47 (J)	
9/22/2017	0.59 (J)	
3/14/2018	0.39 (J)	
9/12/2018	0.3 (J)	
3/13/2019	0.43 (X)	
9/11/2019	<1	
3/9/2020	<1	
9/11/2020	<1	
3/11/2021	<1	
8/6/2021	<1	
1/31/2022		<1
8/11/2022		<1
2/14/2023		<1
7/25/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	3.8282	
5/13/2016	3.56	
7/19/2016	5.6	
9/16/2016	6.7	
11/2/2016	8.1	
1/18/2017	8.9	
3/28/2017	8.2	
6/6/2017	7	
9/22/2017	8.3	
3/15/2018	5.1	
9/12/2018	5.6	
3/13/2019	4.4	
9/11/2019	5	
3/9/2020	3.9	
9/14/2020	4.9	
3/11/2021	4.3	
8/5/2021	2.9	
1/31/2022		2.5
8/10/2022		2.5
2/13/2023		2.5
7/25/2023		2.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	22 (D)	
4/7/2017	18 (D)	
6/14/2017	20 (D)	
7/12/2017	18 (D)	
7/20/2017	20 (D)	
7/28/2017	18 (D)	
8/9/2017	19 (D)	
8/24/2017	21 (D)	
10/3/2017	25 (D)	
12/28/2017	26 (Y)	
3/21/2018	25.4	
9/18/2018	22.8	
3/21/2019	24.9 (D)	
9/12/2019	16.5 (D)	
3/12/2020	20.8	
9/17/2020	20.3	
3/16/2021	22.1	
8/10/2021	20.7	
2/3/2022		20.7
8/17/2022		18.1
2/17/2023		21.2
7/28/2023		19.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	0.7283 (J)	
5/23/2016	0.728 (J)	
8/1/2016	0.78 (J)	
9/26/2016	0.82 (J)	
11/10/2016	0.92 (J)	
1/30/2017	<1	
4/7/2017	0.82 (J)	
6/12/2017	0.78 (J)	
10/2/2017	0.71 (J)	
3/16/2018	0.67 (J)	
9/17/2018	0.47 (J)	
3/19/2019	0.52 (J)	
9/13/2019	0.55 (J)	
3/11/2020	<1	
9/16/2020	<1	
3/17/2021	<1	
8/9/2021	<1	
2/1/2022		<1
8/16/2022		<1
2/16/2023		<1
7/28/2023		0.53 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	0.9594 (J)	
5/25/2016	1.59	
8/1/2016	1	
9/26/2016	1.2	
11/11/2016	1.2	
1/30/2017	<1	
4/3/2017	1.3	
6/12/2017	1.1	
10/2/2017	1.1	
3/16/2018	0.87 (J)	
9/18/2018	0.87 (J)	
3/19/2019	0.97 (J)	
9/12/2019	0.8 (J)	
3/11/2020	0.85 (J)	
9/15/2020	0.54 (J)	
3/17/2021	0.86 (J)	
8/9/2021	0.77 (J)	
2/2/2022		0.53 (J)
8/17/2022		0.55 (J)
2/16/2023		0.58 (J)
7/28/2023		0.71 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	1.17	
5/26/2016	1.01	
8/5/2016	1.1	
9/28/2016	1	
11/22/2016	1.8	
2/7/2017	1.7	
4/10/2017	1.9	
6/14/2017	1.1	
10/4/2017	1.8	
3/20/2018	1.4	
9/18/2018	1.6	
3/22/2019	1.6	
9/17/2019	1.2	
3/12/2020	1.3	
9/17/2020	0.87 (J)	
3/18/2021	1.2	
8/10/2021	1.3	
2/4/2022		1.2
8/17/2022		1.1
2/20/2023		1.5
7/31/2023		1.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	1.5	
5/26/2016	1.51	
8/3/2016	1.4	
9/28/2016	1.6	
11/22/2016	1.6	
2/7/2017	2	
4/10/2017	1.7	
6/14/2017	1.4	
10/4/2017	1.4	
3/21/2018	1.1	
9/18/2018	1.9	
3/22/2019	1.3	
9/17/2019	1.6	
3/12/2020	0.99 (J)	
9/17/2020	0.95 (J)	
3/18/2021	0.96 (J)	
8/11/2021	1	
2/4/2022		1.1
8/18/2022		1.5 (J)
2/20/2023		1.5
7/31/2023		1.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	2.57	
5/26/2016	2.5	
8/3/2016	3	
9/28/2016	2.3	
11/22/2016	3.8	
2/8/2017	3.1	
4/10/2017	2.5	
6/15/2017	2.5	
10/4/2017	2.5	
3/21/2018	2.4	
9/18/2018	2.8	
3/23/2019	2.1	
9/17/2019	2.6	
3/12/2020	1.8	
9/21/2020	2	
3/19/2021	1.9	
8/11/2021	1.4	
2/4/2022		1.7
8/18/2022		1.6
2/20/2023		1.7
8/1/2023		2.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	2.99	
5/26/2016	2.68	
8/4/2016	3.6	
9/28/2016	4.4	
11/22/2016	3.8	
2/8/2017	2.7	
4/10/2017	2.2	
6/15/2017	2.3	
10/4/2017	2.8	
3/22/2018	2.2	
9/18/2018	2.6	
3/23/2019	2.1	
9/17/2019	2	
3/12/2020	1.5	
9/21/2020	1.8	
3/19/2021	1.5	
8/11/2021	1.5	
2/4/2022		1.5
8/18/2022		1.9
2/20/2023		1.8
8/1/2023		1.9

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	0.3574 (J)	
5/27/2016	<1	
8/3/2016	0.35 (J)	
9/30/2016	0.47 (J)	
11/22/2016	0.36 (J)	
2/13/2017	0.79 (J)	
4/11/2017	0.42 (J)	
6/14/2017	0.3 (J)	
10/4/2017	0.36 (J)	
3/22/2018	0.3 (J)	
9/18/2018	<1	
3/23/2019	0.3 (J)	
9/17/2019	<1 (D)	
3/12/2020	<1	
9/21/2020	<1	
3/19/2021	<1	
8/11/2021	<1	
2/2/2022		<1
8/18/2022		<1
2/21/2023		<1
8/1/2023		<1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	24.8	
5/31/2016	42.5	
8/4/2016	91	
9/29/2016	110	
11/28/2016	120	
2/9/2017	150	
4/12/2017	120	
6/16/2017	120	
10/9/2017	130	
3/21/2018	59.1	
9/19/2018	64.5	
3/23/2019	15.5 (J)	
9/18/2019	50.7	
3/13/2020	16.9	
9/22/2020	39.6	
3/18/2021	19.3	
8/11/2021	9.7	
2/17/2022		6.9
8/18/2022		16
2/22/2023		8.7
8/1/2023		28.8

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	17.5	
6/1/2016	20.9	
2/22/2017	48	
4/11/2017	41	
6/16/2017	33	
7/12/2017	58	
7/28/2017	55	
8/10/2017	66	
10/6/2017	77	
3/23/2018	75.8	
9/20/2018	72.2	
3/22/2019	57.9	
9/18/2019	68.1	
3/17/2020	72.1	
9/22/2020	69.8	
3/19/2021	74.2	
8/12/2021	56.7	
2/4/2022		63.1
8/19/2022		65.7
2/22/2023		59.7
8/2/2023		55.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	1.65	
6/1/2016	1.75	
11/28/2016	2.7	
2/9/2017	2.7	
4/11/2017	4.9	
6/14/2017	2.4	
7/12/2017	4.1	
10/5/2017	1.6	
3/22/2018	2.5	
9/19/2018	1.7	
3/22/2019	6.2	
9/17/2019	6.1	
3/13/2020	11.1	
9/21/2020	5.5	
3/18/2021	7.8	
8/11/2021	6.9	
2/4/2022		6.4
8/18/2022		9.2
2/22/2023		10.7
8/1/2023		6.6

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	7.45	
5/31/2016	7.29	
8/4/2016	7.6	
9/29/2016	6.1	
11/23/2016	10	
2/10/2017	6.7	
4/12/2017	9.2	
6/15/2017	9.2	
10/6/2017	10	
3/23/2018	10.6	
9/19/2018	10.4	
3/25/2019	11.2	
9/17/2019	13.1	
3/13/2020	8.8	
9/21/2020	9	
3/18/2021	10.4	
8/11/2021	9.1	
2/4/2022		8.3
8/19/2022		6.9
2/22/2023		7.5
8/2/2023		4.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	10.1	
5/31/2016	12.1	
11/23/2016	1.3	
2/10/2017	4.2	
4/11/2017	3.2	
6/15/2017	2.5	
7/12/2017	6.9	
7/26/2017	2.9	
10/6/2017	6.6	
3/23/2018	1.6	
9/19/2018	2.6	
3/22/2019	2.1	
9/17/2019	1.6	
3/13/2020	1.1	
9/21/2020	0.9 (J)	
3/18/2021	0.76 (J)	
8/11/2021	0.65 (J)	
2/7/2022		0.64 (J)
8/19/2022		0.87 (J)
2/22/2023		0.81 (J)
8/1/2023		0.73 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	14.7828	
5/16/2016	10.2	
7/25/2016	8.4	
9/19/2016	2.5	
11/3/2016	3.3	
1/19/2017	3.2	
3/28/2017	16 (J)	
6/5/2017	38	
7/20/2017	48	
9/26/2017	18	
3/15/2018	32.4	
9/12/2018	16	
3/14/2019	79.7 (O)	
9/11/2019	19.8	
3/10/2020	48.5	
9/15/2020	23.1	
3/11/2021	35.5	
8/4/2021	35.1	
1/31/2022		29.7
8/15/2022		27.6
2/14/2023		33.8
7/26/2023		8.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	0.6294 (J)	
5/16/2016	0.5151 (JD)	
7/25/2016	0.84 (J*D)	
9/19/2016	0.72 (JD)	
11/4/2016	0.75 (JD)	
1/23/2017	0.99 (JD)	
3/29/2017	1.5 (D)	
6/7/2017	0.63 (J)	
9/27/2017	1.2	
3/15/2018	0.75 (J)	
9/13/2018	1.3	
3/14/2019	0.72 (JXD)	
9/11/2019	<1 (D)	
3/10/2020	0.61 (J)	
9/11/2020	<1	
3/11/2021	<1	
8/6/2021	<1	
2/1/2022		<1
8/12/2022		<1
2/14/2023		<1
7/26/2023		0.74 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	2.8721	
5/16/2016	2.27 (D)	
7/25/2016	2.6 (D)	
9/19/2016	2.8 (D)	
11/3/2016	2.6 (D)	
1/20/2017	2.8 (D)	
3/29/2017	3.1 (D)	
6/7/2017	3.2	
9/27/2017	2.5	
3/15/2018	2.9	
9/13/2018	2.3	
3/14/2019	4.3 (D)	
9/11/2019	2.6 (D)	
3/10/2020	5.2	
9/11/2020	2.8	
3/11/2021	4.2	
8/6/2021	4	
2/1/2022		6.1
8/12/2022		3.6
2/14/2023		10.1
7/26/2023		3.5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	5.7554	
5/17/2016	8.67	
7/26/2016	6.6	
9/20/2016	5.8	
11/4/2016	6.1	
1/20/2017	7	
3/28/2017	7.7	
6/7/2017	6.4	
9/29/2017	8.4	
3/15/2018	6.4	
9/13/2018	7.2	
3/18/2019	4.4	
9/11/2019	7	
3/10/2020	5.5	
9/14/2020	6.9	
3/11/2021	6.7	
8/5/2021	6	
1/31/2022		5.2
8/15/2022		5.6
2/14/2023		4.7
7/26/2023		4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	3.4409	
5/18/2016	4.09	
7/27/2016	4	
9/20/2016	4.3	
11/7/2016	4.1	
1/23/2017	5.1	
3/29/2017	5.2	
6/8/2017	3.8	
9/27/2017	4.3	
3/15/2018	3.7	
9/13/2018	4.8	
3/15/2019	4.2	
9/12/2019	4.7	
3/9/2020	4.3	
9/14/2020	4.3	
3/11/2021	4.7	
8/5/2021	4.3	
2/1/2022		4.3
8/15/2022		8.4 (J)
2/14/2023		4.3
7/27/2023		5

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	9.1279	
5/18/2016	10.1	
7/27/2016	7	
9/20/2016	6.7	
11/4/2016	7.9	
1/20/2017	6.6	
3/29/2017	6.2	
6/8/2017	7.5	
9/27/2017	7.5	
3/16/2018	13.4	
9/13/2018	11.6	
3/19/2019	14.8	
9/11/2019	10.7	
3/9/2020	10.4	
9/15/2020	9.6	
3/11/2021	10.4	
8/5/2021	10.3	
2/1/2022		9.4
8/15/2022		4.3
2/14/2023		12.7
7/27/2023		10.9

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.6569	
5/17/2016	2.39	
7/27/2016	<1.6 (*)	
9/20/2016	2.4	
11/4/2016	2.1	
1/23/2017	2.1	
3/28/2017	2.1	
6/8/2017	1.3	
9/29/2017	3.7	
12/28/2017	1.7 (Y)	
3/15/2018	0.76 (J)	
9/13/2018	1.6	
3/15/2019	1.7	
9/11/2019	0.86 (X)	
3/9/2020	1.6	
9/14/2020	5.4	
3/11/2021	15.4	
5/26/2021	20.2	
8/4/2021	1.5	
1/31/2022		1.2
8/15/2022		10.4
2/14/2023		3
7/26/2023		5.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	3.4197	
5/18/2016	3.06	
7/27/2016	2.6	
9/21/2016	3.1	
11/4/2016	3.1	
1/24/2017	3	
3/29/2017	2.5	
6/8/2017	3.3	
9/29/2017	4.2	
12/28/2017	3.8 (Y)	
3/15/2018	3.1	
9/13/2018	3.6	
3/18/2019	5.8	
9/11/2019	5.7	
3/11/2020	3.3	
9/11/2020	2.1	
3/15/2021	2.6	
8/11/2021	2.4	
2/1/2022		2.5
8/15/2022		2.5
2/14/2023		1.8
7/27/2023		2.3

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	5.3658	
5/18/2016	4.44	
7/28/2016	9.9	
9/21/2016	2.2	
11/7/2016	2.2	
1/24/2017	1.5	
3/30/2017	1.7	
6/9/2017	1.7	
9/29/2017	2.2	
3/15/2018	2.4	
9/14/2018	2.4	
3/19/2019	2.2	
9/11/2019	1.5	
3/9/2020	1.5	
9/14/2020	1.2	
3/15/2021	1.5	
8/5/2021	1.1	
2/1/2022		0.93 (J)
8/15/2022		0.98 (J)
2/14/2023		0.84 (J)
7/27/2023		0.97 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	1.87	
5/25/2016	1.41	
8/1/2016	1.5	
9/27/2016	1.4	
11/11/2016	1.5	
1/31/2017	1.8	
4/3/2017	1.5	
6/12/2017	2.1	
10/3/2017	1.4	
3/19/2018	1.3	
9/17/2018	1.3	
3/20/2019	1.3	
9/16/2019	1.2	
3/16/2020	1.1	
9/16/2020	1.1	
3/17/2021	1.1	
8/9/2021	1.2	
2/2/2022		1
8/16/2022		1
2/20/2023		1.4
7/28/2023		1.4

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	3.5801	
5/24/2016	2.79	
8/1/2016	2.2	
9/26/2016	1.8	
11/18/2016	1.8	
2/1/2017	2.8	
4/6/2017	<2.5	
6/13/2017	2.8	
10/3/2017	2.6	
3/19/2018	2.6	
9/17/2018	2.2	
3/21/2019	2.7	
9/16/2019	2	
3/12/2020	2.1	
9/16/2020	1.8	
3/17/2021	2.2	
8/10/2021	1.7	
2/2/2022		1.7
8/17/2022		1.6
2/17/2023		2
7/31/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	1.4863	
5/24/2016	1.62	
8/1/2016	2.3	
9/26/2016	2.4	
11/14/2016	2.8	
2/1/2017	2.6	
4/6/2017	<2.3	
6/13/2017	2.2	
10/3/2017	2.6	
3/20/2018	2.5	
9/17/2018	2.5	
3/21/2019	1.7	
9/16/2019	1.6	
3/12/2020	1.4	
9/16/2020	1.3	
3/17/2021	1.8	
8/10/2021	1.4	
2/2/2022		1.5
8/17/2022		1.2
2/17/2023		1.8
7/28/2023		1.7

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	2.03	
8/2/2016	0.96 (J)	
9/27/2016	0.87 (J)	
11/21/2016	0.93 (J)	
2/1/2017	0.76 (J)	
4/6/2017	<1	
6/13/2017	0.58 (J)	
7/14/2017	0.04 (J)	
10/3/2017	0.87 (J)	
3/20/2018	0.5 (J)	
9/18/2018	0.65 (J)	
3/21/2019	1.9	
9/13/2019	0.76 (J)	
3/12/2020	1.7	
9/16/2020	1.1	
3/17/2021	1.3	
8/10/2021	1.1	
2/2/2022		1.3
8/17/2022		0.91 (J)
2/20/2023		1.7
7/31/2023		1.1

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	1.9542	
5/24/2016	0.989 (J)	
8/2/2016	1	
9/27/2016	0.95 (J)	
11/22/2016	1.1	
2/6/2017	0.96 (J)	
4/6/2017	<1	
6/14/2017	0.97 (J)	
10/4/2017	0.84 (J)	
3/21/2018	1.2	
9/18/2018	0.9 (J)	
3/27/2019	1.5	
9/16/2019	0.69 (JD)	
3/12/2020	1.8	
9/17/2020	0.6 (J)	
3/17/2021	0.72 (J)	
8/10/2021	0.64 (J)	
2/2/2022		0.72 (J)
8/17/2022		0.53 (J)
2/21/2023		1.7
7/31/2023		0.86 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	3.9321	
5/25/2016	2.68	
8/2/2016	2.7	
9/26/2016	2.9	
11/21/2016	2.8	
2/3/2017	2.7	
4/7/2017	2.3	
6/13/2017	2	
10/3/2017	1.9	
3/20/2018	1.6	
9/18/2018	1.6	
5/6/2019	2.1	
9/16/2019	1	
3/16/2020	0.66 (J)	
9/17/2020	0.74 (J)	
3/18/2021	1.1	
8/10/2021	0.72 (J)	
2/2/2022		0.72 (J)
8/17/2022		0.58 (J)
2/20/2023		1.1
7/31/2023		0.81 (J)

Prediction Limit

Constituent: Sulfate, total (mg/L) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	2	
5/26/2016	2.93	
8/5/2016	3.6	
9/28/2016	3.2	
11/21/2016	3.3	
2/6/2017	1.3	
4/6/2017	<1.2	
6/13/2017	2	
10/3/2017	2.8	
3/20/2018	1.2	
9/18/2018	2.6	
3/21/2019	2.3	
9/16/2019	3	
3/12/2020	1.1	
9/17/2020	3.5	
3/18/2021	2.1	
8/10/2021	1.7	
2/2/2022		2.5
8/17/2022		2.5
2/21/2023		3
7/31/2023		4.1

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1	GWA-1
3/22/2016	150	
5/19/2016	150	
7/29/2016	146	
9/23/2016	163	
11/9/2016	147	
1/30/2017	127	
3/30/2017	137	
6/9/2017	164	
10/2/2017	137	
3/16/2018	140	
9/17/2018	162	
3/20/2019	175	
9/12/2019	174	
3/11/2020	172	
9/15/2020	156	
3/16/2021	155	
8/9/2021	150	
2/1/2022		143
8/16/2022		159
2/16/2023		152 (J)
7/27/2023		167

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2	GWA-2
3/23/2016	259	
5/20/2016	122	
7/29/2016	156	
9/23/2016	150	
11/9/2016	87	
1/31/2017	63	
3/30/2017	112	
6/12/2017	216	
10/2/2017	<25	
3/19/2018	295	
9/14/2018	30	
3/20/2019	49	
9/12/2019	44	
3/11/2020	309	
9/15/2020	28	
3/17/2021	211	
8/9/2021	207	
2/1/2022		202
8/16/2022		182
2/16/2023		267 (J)
7/27/2023		177

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R	GWA-2R
3/23/2016	174	
5/19/2016	93	
7/29/2016	68	
9/22/2016	91	
11/10/2016	96	
1/31/2017	206	
4/3/2017	118	
6/9/2017	87	
10/2/2017	73	
3/16/2018	130	
9/14/2018	103	
3/19/2019	208	
9/13/2019	113	
3/11/2020	170	
9/15/2020	89	
3/16/2021	102	
8/9/2021	127	
2/1/2022		114
8/16/2022		123
2/16/2023		197 (J)
7/27/2023		155

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ	GWA-39RZ
5/16/2016	114 (D)	
7/27/2016	107 (D)	
2/21/2017	229 (D)	
3/27/2017	239 (D)	
6/8/2017	179 (D)	
7/17/2017	180 (D)	
7/27/2017	190 (D)	
8/9/2017	153 (D)	
9/29/2017	173 (D)	
3/16/2018	150	
9/14/2018	165	
3/14/2019	154	
9/10/2019	181	
3/9/2020	173	
9/16/2020	156	
3/16/2021	142	
8/6/2021	133	
2/2/2022		143
8/16/2022		125
2/14/2023		149 (J)
7/25/2023		158

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z	GWA-39Z
3/14/2016	106	
5/11/2016	58	
7/19/2016	46	
9/15/2016	41	
11/2/2016	37	
1/18/2017	29	
3/28/2017	40	
9/26/2017	107	
3/14/2018	126	
9/12/2018	134	
3/15/2019	107	
9/9/2019	93	
3/9/2020	58	
9/10/2020	16	
3/12/2021	55	
8/4/2021	60	
1/31/2022		61
8/10/2022		50
2/13/2023		105 (J)
7/26/2023		57

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A	GWA-3A
3/23/2016	<25	
5/23/2016	<25	
7/29/2016	17 (J)	
9/22/2016	33	
11/10/2016	41	
1/31/2017	58	
3/30/2017	<25	
6/12/2017	20 (J)	
10/4/2017	<25	
3/19/2018	<25	
9/17/2018	32	
3/20/2019	30	
9/13/2019	19	
3/11/2020	24	
3/29/2021	76	
8/9/2021	95	
2/2/2022		104
8/16/2022		85
2/17/2023		117 (J)
8/1/2023		113

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40	GWA-40
3/15/2016	107	
5/11/2016	80	
7/21/2016	76	
9/19/2016	108	
11/3/2016	90	
1/17/2017	128	
3/24/2017	91	
5/24/2017	152	
9/26/2017	103	
3/14/2018	123	
9/12/2018	105	
3/13/2019	130	
9/9/2019	108	
3/9/2020	131	
9/11/2020	102	
3/10/2021	60	
8/4/2021	66	
1/31/2022		81
8/12/2022		91
2/13/2023		259 (J)
7/26/2023		70

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41	GWA-41
3/15/2016	110	
5/12/2016	49	
7/20/2016	72	
9/15/2016	18 (J)	
11/3/2016	70	
1/18/2017	63	
3/24/2017	63	
6/6/2017	128	
9/25/2017	109	
3/14/2018	192	
9/12/2018	82	
3/14/2019	119	
9/10/2019	36	
3/6/2020	137	
9/10/2020	35	
3/11/2021	101	
8/4/2021	77	
1/31/2022		63
8/11/2022		73
2/13/2023		111 (J)
7/25/2023		43

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R	GWA-41R
3/15/2016	78	
5/13/2016	178	
7/21/2016	168	
9/21/2016	123	
11/3/2016	157	
1/17/2017	170	
3/27/2017	158	
6/6/2017	212	
9/25/2017	145	
3/14/2018	210	
9/12/2018	159	
3/14/2019	157	
9/10/2019	113	
3/9/2020	249	
9/10/2020	111	
3/10/2021	148	
8/4/2021	176	
1/31/2022		184
8/11/2022		170
2/13/2023		163 (J)
7/25/2023		162

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-42	GWA-42
3/11/2016	139	
5/16/2016	112	
7/22/2016	136	
9/19/2016	121	
11/3/2016	132	
1/17/2017	150	
3/27/2017	148	
6/7/2017	181	
9/26/2017	113	
3/14/2018	134	
9/14/2018	139	
3/14/2019	157	
9/10/2019	105	
3/6/2020	143	
9/10/2020	120	
3/11/2021	109	
8/4/2021	141	
1/31/2022		132
8/10/2022		134
2/13/2023		226
7/26/2023		134

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43	GWA-43
3/11/2016	69	
5/13/2016	88	
7/19/2016	56	
9/16/2016	31	
11/2/2016	48	
1/18/2017	44	
3/28/2017	<25	
6/6/2017	36	
9/22/2017	41	
3/14/2018	<25	
9/12/2018	<25	
3/13/2019	31	
9/11/2019	21	
3/9/2020	51	
9/11/2020	31	
3/11/2021	14	
8/6/2021	33	
1/31/2022		25
8/11/2022		28
2/14/2023		60.9
7/25/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R	GWA-43R
3/11/2016	144	
5/13/2016	142	
7/19/2016	135	
9/16/2016	144	
11/2/2016	152	
1/18/2017	125	
3/28/2017	109	
6/6/2017	154	
9/22/2017	157	
3/15/2018	117	
9/12/2018	151	
3/13/2019	152	
9/11/2019	151	
3/9/2020	174	
9/14/2020	146	
3/11/2021	98	
8/5/2021	126	
1/31/2022		128
8/10/2022		145
2/13/2023		126
7/25/2023		167

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-4RZ	GWA-4RZ
2/22/2017	329 (D)	
4/7/2017	295 (D)	
6/14/2017	237 (D)	
7/12/2017	400 (D)	
7/20/2017	203 (D)	
7/28/2017	262 (D)	
8/9/2017	195 (D)	
8/24/2017	236 (D)	
10/3/2017	224 (D)	
3/21/2018	237	
9/18/2018	227	
3/21/2019	367 (D)	
9/12/2019	200 (D)	
3/12/2020	247	
9/17/2020	223	
3/16/2021	196	
8/10/2021	238	
2/3/2022		243
8/17/2022		226
2/17/2023		252 (J)
7/28/2023		243

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50	GWA-50
3/28/2016	<25	
5/23/2016	32	
8/1/2016	<25	
9/26/2016	45	
11/10/2016	38	
1/30/2017	<25	
4/7/2017	18 (J)	
6/12/2017	15 (J)	
10/2/2017	17 (J)	
3/16/2018	<25	
9/17/2018	38	
3/19/2019	34	
9/13/2019	19	
3/11/2020	17	
9/16/2020	20	
3/17/2021	<25	
8/9/2021	14	
2/1/2022		21
8/16/2022		<25
2/16/2023		<25
7/28/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-50R	GWA-50R
3/28/2016	46	
5/25/2016	57	
8/1/2016	<25	
9/26/2016	60	
11/11/2016	13 (J)	
1/30/2017	<25	
4/3/2017	100	
6/12/2017	51	
10/2/2017	32	
3/16/2018	<25	
9/18/2018	15 (J)	
3/19/2019	48	
9/12/2019	46	
3/11/2020	24	
9/15/2020	12	
3/17/2021	31	
8/9/2021	<25	
2/2/2022		15
8/17/2022		18 (J)
2/16/2023		<25
7/28/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10	GWC-10
3/31/2016	122	
5/26/2016	143	
8/5/2016	143	
9/28/2016	160	
11/22/2016	149	
2/7/2017	123	
4/10/2017	95	
6/14/2017	150	
10/4/2017	140	
3/20/2018	93	
9/18/2018	155	
3/22/2019	95	
9/17/2019	165	
3/12/2020	63	
9/17/2020	140	
3/18/2021	74	
8/10/2021	120	
2/4/2022		102
8/17/2022		128
2/20/2023		47
7/31/2023		143

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10R
3/31/2016	135	
5/26/2016	163	
8/3/2016	159	
9/28/2016	208	
11/22/2016	152	
2/7/2017	128	
4/10/2017	186	
6/14/2017	150	
10/4/2017	153	
3/21/2018	192	
9/18/2018	155	
3/22/2019	140	
9/17/2019	172	
3/12/2020	81	
9/17/2020	125	
3/18/2021	62	
8/11/2021	138	
2/4/2022		156
8/18/2022		135
2/20/2023		154
7/31/2023		144

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11	GWC-11
4/4/2016	79	
5/26/2016	105	
8/3/2016	106	
9/28/2016	148	
11/22/2016	88	
2/8/2017	62	
4/10/2017	92	
6/15/2017	96	
10/4/2017	78	
3/21/2018	111	
9/18/2018	106	
3/23/2019	64	
9/17/2019	101	
3/12/2020	96	
9/21/2020	93	
3/19/2021	79	
8/11/2021	53	
2/4/2022		120
8/18/2022		59
2/20/2023		98
8/1/2023		121

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-11R	GWC-11R
4/4/2016	135	
5/26/2016	124	
8/4/2016	109	
9/28/2016	104	
11/22/2016	94	
2/8/2017	141 (J)	
4/10/2017	114	
6/15/2017	153	
10/4/2017	121	
3/22/2018	139	
9/18/2018	139	
3/23/2019	148	
9/17/2019	143	
3/12/2020	125	
9/21/2020	145	
3/19/2021	135	
8/11/2021	149	
2/4/2022		157
8/18/2022		141
2/20/2023		149
8/1/2023		151

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
4/4/2016	58	
5/27/2016	66	
8/3/2016	65	
9/30/2016	60	
11/22/2016	63	
2/13/2017	104 (J)	
4/11/2017	63	
6/14/2017	97	
10/4/2017	74	
3/22/2018	54	
9/18/2018	73	
3/23/2019	58	
9/17/2019	62	
3/12/2020	64	
9/21/2020	62	
3/19/2021	53	
8/11/2021	58	
2/2/2022		54
8/18/2022		48
2/21/2023		42
8/1/2023		63

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13	GWC-13
4/4/2016	156	
5/31/2016	192	
8/4/2016	269	
9/29/2016	288	
11/28/2016	224	
2/9/2017	386	
4/12/2017	254	
6/16/2017	309	
10/9/2017	269	
3/21/2018	211	
9/19/2018	222	
3/23/2019	135	
9/18/2019	200	
3/13/2020	143	
9/22/2020	176	
3/18/2021	82	
8/11/2021	131	
2/17/2022		119
8/18/2022		132
2/22/2023		1020
4/11/2023		120
8/1/2023		197

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-13RZ	GWC-13RZ
4/4/2016	110	
6/1/2016	121	
2/22/2017	311	
4/11/2017	212	
6/16/2017	262	
7/12/2017	310	
7/28/2017	289	
8/10/2017	288	
10/6/2017	268	
3/23/2018	281	
9/20/2018	297	
3/22/2019	249	
9/18/2019	281	
3/17/2020	256	
9/22/2020	248	
3/19/2021	250	
8/12/2021	263	
2/4/2022		262
8/19/2022		243
2/22/2023		254
8/2/2023		282

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-14Z	GWC-14Z
4/5/2016	42	
6/1/2016	63	
8/9/2016	267	
11/28/2016	116	
2/9/2017	212 (J)	
4/11/2017	113	
6/14/2017	120	
7/12/2017	153	
10/5/2017	102	
3/22/2018	115	
9/19/2018	114	
3/22/2019	104	
9/17/2019	86	
3/13/2020	59	
9/21/2020	94	
3/18/2021	57	
8/11/2021	77	
2/4/2022		92
8/18/2022		83
2/22/2023		65
8/1/2023		83

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWC-15R
4/5/2016	103	
5/31/2016	157	
8/4/2016	154	
9/29/2016	142	
11/23/2016	172	
2/10/2017	237	
4/12/2017	168	
6/15/2017	176	
10/6/2017	155	
3/23/2018	170	
9/19/2018	181	
3/25/2019	167	
9/17/2019	179	
3/13/2020	169	
9/21/2020	186	
3/18/2021	153	
8/11/2021	181	
2/4/2022		162
8/19/2022		152
2/22/2023		174
8/2/2023		136

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15Z
4/5/2016	53	
5/31/2016	70	
11/23/2016	118	
2/10/2017	214	
4/11/2017	127	
6/15/2017	126	
7/12/2017	164	
7/26/2017	129	
10/6/2017	140	
3/23/2018	119	
9/19/2018	138	
3/22/2019	116	
9/17/2019	117	
3/13/2020	76	
9/21/2020	122	
3/18/2021	54	
8/11/2021	122	
2/7/2022		121
8/19/2022		112
2/22/2023		111
8/1/2023		114

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-44	GWC-44
3/16/2016	<36	
5/16/2016	35	
7/25/2016	24 (J)	
9/19/2016	19 (J)	
11/3/2016	34	
1/19/2017	13 (J)	
3/28/2017	<36	
6/5/2017	206	
7/20/2017	72	
9/26/2017	35	
3/15/2018	41	
9/12/2018	<36	
3/14/2019	110	
9/11/2019	58	
3/10/2020	127	
9/15/2020	56	
3/11/2021	43	
8/4/2021	62	
1/31/2022		63
8/15/2022		50
2/14/2023		70.9
7/26/2023		32

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45	GWC-45
3/16/2016	<25	
5/16/2016	<25 (D)	
7/25/2016	16 (JD)	
9/19/2016	12 (JD)	
11/4/2016	13 (JD)	
1/23/2017	15 (JD)	
3/29/2017	<25 (D)	
6/7/2017	26	
9/27/2017	<25	
3/15/2018	<25	
9/13/2018	<25	
3/14/2019	39 (JXD)	
9/11/2019	<25 (D)	
3/10/2020	60	
9/11/2020	11	
3/11/2021	12	
8/6/2021	17	
2/1/2022		70
8/12/2022		14
2/14/2023		33.9
7/26/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-45R	GWC-45R
3/16/2016	89	
5/16/2016	169 (D)	
7/25/2016	159 (D)	
9/19/2016	152 (D)	
11/3/2016	150 (D)	
1/20/2017	152 (D)	
3/29/2017	143 (D)	
6/7/2017	192	
9/27/2017	159	
3/15/2018	146	
9/13/2018	185	
3/14/2019	195 (D)	
9/11/2019	172 (D)	
3/10/2020	245	
9/11/2020	146	
3/11/2021	167	
8/6/2021	186	
2/1/2022		201
8/12/2022		159
2/14/2023		206
7/26/2023		186

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-46R	GWC-46R
3/10/2016	253	
5/17/2016	251	
7/26/2016	249	
9/20/2016	195	
11/4/2016	209	
1/20/2017	211	
3/28/2017	199	
6/7/2017	251	
9/29/2017	255	
3/15/2018	231	
9/13/2018	263	
3/18/2019	251	
9/11/2019	234	
3/10/2020	273	
9/14/2020	232	
3/11/2021	209	
8/5/2021	210	
1/31/2022		197
8/15/2022		187
2/14/2023		199
7/26/2023		206

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47
3/10/2016	152	
5/18/2016	123	
7/27/2016	113	
9/20/2016	126	
11/7/2016	167	
1/23/2017	125	
3/29/2017	116	
6/8/2017	131	
9/27/2017	117	
3/15/2018	102	
9/13/2018	144	
3/15/2019	125	
9/12/2019	121	
3/9/2020	147	
9/14/2020	129	
3/11/2021	106	
8/5/2021	90	
2/1/2022		107
8/15/2022		141 (J)
2/14/2023		111 (J)
7/27/2023		105

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47R	GWC-47R
3/10/2016	149	
5/18/2016	162	
7/27/2016	132	
9/20/2016	155	
11/4/2016	169	
1/20/2017	135	
3/29/2017	147	
6/8/2017	159	
9/27/2017	167	
3/16/2018	141	
9/13/2018	175	
3/19/2019	154	
9/11/2019	164	
3/9/2020	44	
9/15/2020	108	
3/11/2021	143	
8/5/2021	142	
2/1/2022		157
8/15/2022		104
2/14/2023		151
7/27/2023		154

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	63	
5/17/2016	<31	
7/27/2016	11 (J)	
9/20/2016	14 (J)	
11/4/2016	27	
1/23/2017	15 (J)	
3/28/2017	<31	
6/8/2017	29	
9/29/2017	21 (J)	
3/15/2018	<31	
9/13/2018	<31	
3/15/2019	41	
9/11/2019	20	
3/9/2020	100	
9/14/2020	47	
3/11/2021	40	
8/4/2021	34	
1/31/2022		31
8/15/2022		37
2/14/2023		30.9
7/26/2023		33

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49R	GWC-49R
3/17/2016	103	
5/18/2016	129	
7/27/2016	108	
9/21/2016	102	
11/4/2016	130	
1/24/2017	152	
3/29/2017	95	
6/8/2017	176	
9/29/2017	118	
3/15/2018	88	
9/13/2018	137	
3/18/2019	170	
9/11/2019	138	
3/11/2020	125	
9/11/2020	127	
3/15/2021	107	
8/11/2021	116	
2/1/2022		125
8/15/2022		103
2/14/2023		114
7/27/2023		117

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-49Z	GWC-49Z
3/17/2016	31	
5/18/2016	43	
7/28/2016	43	
9/21/2016	<25	
11/7/2016	50	
1/24/2017	63	
3/30/2017	<25	
6/9/2017	20 (J)	
9/29/2017	22 (J)	
3/15/2018	<25	
9/14/2018	29	
3/19/2019	35	
9/11/2019	27	
3/9/2020	51	
9/14/2020	25	
3/15/2021	30	
8/5/2021	<25	
2/1/2022		27
8/15/2022		<25
2/14/2023		<25
7/27/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-5	GWC-5
3/28/2016	<25	
5/25/2016	34	
8/1/2016	25	
9/27/2016	20 (J)	
11/11/2016	41	
1/31/2017	127	
4/3/2017	69	
6/12/2017	46	
10/3/2017	34	
3/19/2018	<25	
9/17/2018	38	
3/20/2019	66	
9/16/2019	45	
3/16/2020	20	
9/16/2020	30	
3/17/2021	15	
8/9/2021	<25	
2/2/2022		32
8/16/2022		<25
2/20/2023		53
7/28/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6	GWC-6
3/29/2016	51	
5/24/2016	76	
8/1/2016	69	
9/26/2016	103	
11/18/2016	77	
2/1/2017	168	
4/6/2017	95	
6/13/2017	101	
10/3/2017	83	
3/19/2018	70	
9/17/2018	77	
3/21/2019	80	
9/16/2019	82	
3/12/2020	42	
9/16/2020	77	
3/17/2021	47	
8/10/2021	53	
2/2/2022		73
8/17/2022		53
2/17/2023		75 (J)
7/31/2023		77

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-6RZ	GWC-6RZ
3/29/2016	64	
5/24/2016	77	
8/1/2016	35	
9/26/2016	111	
11/14/2016	76	
2/1/2017	126	
4/6/2017	146	
6/13/2017	84	
10/3/2017	70	
3/20/2018	78	
9/17/2018	74	
3/21/2019	60	
9/16/2019	65	
3/12/2020	22	
9/16/2020	52	
3/17/2021	43	
8/10/2021	<10	
2/2/2022		51
8/17/2022		33
2/17/2023		50 (J)
7/28/2023		46

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-7Z
5/31/2016	120	
8/2/2016	100	
9/27/2016	121	
11/21/2016	164	
2/1/2017	144	
4/6/2017	125	
6/13/2017	148	
7/14/2017	121	
10/3/2017	117	
3/20/2018	136	
9/18/2018	116	
3/21/2019	107	
9/13/2019	115	
3/12/2020	86	
9/16/2020	124	
3/17/2021	112	
8/10/2021	101	
2/2/2022		115
8/17/2022		83
2/20/2023		122
7/31/2023		113

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III IntraWell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-8RR
3/30/2016	104	
5/24/2016	94	
8/2/2016	105	
9/27/2016	119	
11/22/2016	105	
2/6/2017	99	
4/6/2017	124	
6/14/2017	114	
10/4/2017	107	
3/21/2018	117	
9/18/2018	110	
3/27/2019	101	
9/16/2019	113	
3/12/2020	84	
9/17/2020	111	
3/17/2021	113	
8/10/2021	112	
2/2/2022		102
8/17/2022		89
2/21/2023		77
7/31/2023		96

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8Z	GWC-8Z
3/22/2016	111	
5/25/2016	95	
8/2/2016	124	
9/26/2016	140	
11/21/2016	154	
2/3/2017	113	
4/7/2017	147	
6/13/2017	117	
10/3/2017	150	
3/20/2018	121	
9/18/2018	93	
5/6/2019	118	
9/16/2019	99	
3/16/2020	76	
9/17/2020	98	
3/18/2021	48	
8/10/2021	92	
2/2/2022		85
8/17/2022		41
2/20/2023		86
7/31/2023		97

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/l) Analysis Run 9/14/2023 2:03 PM View: Appendix III Intrawell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-9
3/30/2016	26	
5/26/2016	70	
8/5/2016	95	
9/28/2016	152	
11/21/2016	145	
2/6/2017	20 (J)	
4/6/2017	17 (J)	
6/13/2017	32	
10/3/2017	71	
3/20/2018	49	
9/18/2018	38	
3/21/2019	39	
9/16/2019	85	
3/12/2020	16	
9/17/2020	94	
3/18/2021	<25	
8/10/2021	22	
2/2/2022		21
8/17/2022		25
2/21/2023		<25
7/31/2023		62

FIGURE I.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	6.3	n/a	7/26/2023	6.4	Yes	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.24	7/26/2023	4.08	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.24	7/26/2023	4.19	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

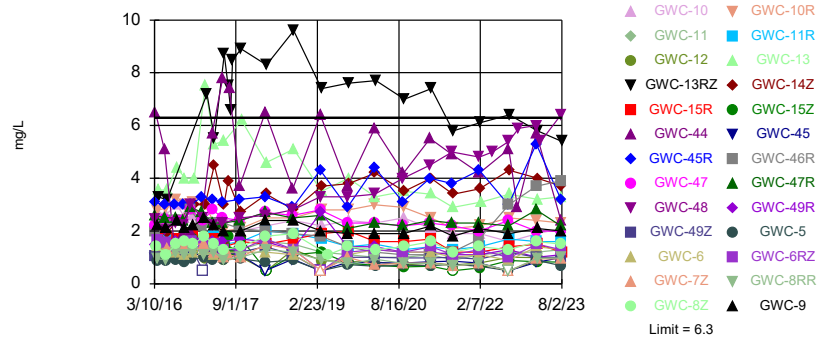
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:10 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	6.3	n/a	7/31/2023	2.1	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	6.3	n/a	7/31/2023	2.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	6.3	n/a	8/1/2023	1.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	6.3	n/a	8/1/2023	1.6	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	6.3	n/a	8/1/2023	0.96J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	6.3	n/a	8/1/2023	3.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	6.3	n/a	8/2/2023	5.4	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	6.3	n/a	8/1/2023	3.7	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	6.3	n/a	8/2/2023	1.2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	6.3	n/a	8/1/2023	0.82J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	6.3	n/a	7/26/2023	2.4	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	6.3	n/a	7/26/2023	0.99J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	6.3	n/a	7/26/2023	3.2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	6.3	n/a	7/26/2023	3.9	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	6.3	n/a	7/27/2023	2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	6.3	n/a	7/27/2023	2.2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	6.3	n/a	7/26/2023	6.4	Yes	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	6.3	n/a	7/27/2023	1.1	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	6.3	n/a	7/27/2023	1	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	6.3	n/a	7/28/2023	0.69J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	6.3	n/a	7/31/2023	1.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	6.3	n/a	7/28/2023	1.3	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	6.3	n/a	7/31/2023	0.94J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	6.3	n/a	7/31/2023	0.98J	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	6.3	n/a	7/31/2023	1.5	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	6.3	n/a	7/31/2023	2	No	315	n/a	n/a	2.54	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	4.24	7/31/2023	6.58	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	4.24	7/31/2023	7.16	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	4.24	8/1/2023	6.71	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	4.24	8/1/2023	7.3	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	4.24	8/1/2023	5.45	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	4.24	8/1/2023	6.77	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	4.24	8/2/2023	6.995	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	4.24	8/1/2023	5.57	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	4.24	8/2/2023	7.23	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	4.24	8/1/2023	7.41	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	4.24	7/26/2023	4.08	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	4.24	7/26/2023	4.19	Yes	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	4.24	7/26/2023	6.92	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	4.24	7/26/2023	7.18	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	4.24	7/27/2023	6.73	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	4.24	7/27/2023	7.03	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	4.24	7/26/2023	4.31	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	4.24	7/27/2023	7.45	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	4.24	7/27/2023	4.47	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	4.24	7/28/2023	5.06	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	4.24	7/31/2023	6.86	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	4.24	7/28/2023	6.22	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	4.24	7/31/2023	6.52	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	4.24	7/31/2023	7.47	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	4.24	7/31/2023	6.52	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	4.24	7/31/2023	5.38	No	325	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Exceeds Limit: GWC-48

Prediction Limit Interwell Non-parametric

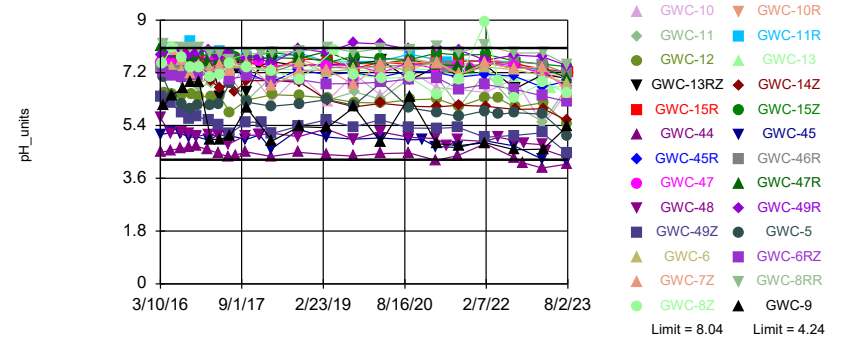


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 315 background values. 2.54% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Chloride, Total Analysis Run 9/14/2023 2:09 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-44, GWC-45

Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 325 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 26 points to limit.

Constituent: pH Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-47	GWC-47R	GWC-48	GWC-46R	GWA-43 (bg)	GWA-43R (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41 (bg)
3/27/2019									
5/6/2019									
9/9/2019								1.2	
9/10/2019							2		1.1
9/11/2019		2.1	3.3	1.4	1.3	3.1			
9/12/2019	2.3								
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020							2.7		1.3
3/9/2020	2.3	2.3	3.4		1.2	2.2		1.2	
3/10/2020				1.2					
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020							2	1.2	1.2
9/11/2020					1.3				
9/14/2020	2.2		4	1.1		3.3			
9/15/2020		2.2							
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
3/10/2021									
3/11/2021	2.3	2.4	4.5	1.1	1.3	2.7	2.5		1.5
3/12/2021								1.2	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
8/4/2021			5				2.3	1.1	1.2
8/5/2021	2.2	2.3		1.2		1.9			
8/6/2021					1.3				
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
1/31/2022			4.8	1.7	1.1	1.7	2	1	1
2/1/2022	2	2.3							
2/2/2022									
2/3/2022									
2/4/2022									
2/7/2022									
2/17/2022									
4/28/2022			5						
8/10/2022						1.7	1.8	0.93 (J)	
8/11/2022					1.4				1.3

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016	6.1465	1.1671							
3/16/2016			0.9445	3.0774	6.505				
3/17/2016						1.0624	1.4476		
3/22/2016								1.4231	1.5101
3/23/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016		0.8763							
5/12/2016									
5/13/2016	3.08								
5/16/2016			0.9104 (D)	3 (D)	5.08				
5/17/2016									
5/18/2016						1.41	1.43		
5/19/2016									1.5
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016								1.11	
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016	3.7	1.4							
7/22/2016									
7/25/2016			1.2 (D)	3 (D)	1.2				
7/26/2016									
7/27/2016							1.6		
7/28/2016						1.4			
7/29/2016									1.7
8/1/2016									
8/2/2016								1.5	
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016		1.1	1.1 (D)	3 (D)	1.9				
9/20/2016									
9/21/2016	2.4					1.2	1.6		
9/22/2016									
9/23/2016									1.8
9/26/2016							1.6		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	3.4	1.2		3 (D)	2				
11/4/2016			1 (D)				1.6		
11/7/2016						1.4			
11/9/2016									2
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016								1.5	
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	1.9	1							
1/18/2017									
1/19/2017					2.6				
1/20/2017				3.3 (D)					
1/23/2017			1.2 (D)						
1/24/2017						<1 (*)	1.7		
1/30/2017									1.5
1/31/2017									
2/1/2017									
2/3/2017								1.8	
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017		1.2							
3/27/2017	2.4								
3/28/2017					5.7				
3/29/2017			1.1 (D)	3.2 (D)			1.6		
3/30/2017						1.2			1.8
4/3/2017									
4/6/2017									
4/7/2017								1.5	
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017		1.5							
6/5/2017					7.8				
6/6/2017	4.5								
6/7/2017			1	3.1					
6/8/2017							1.6		
6/9/2017						1.1			1.6

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
6/12/2017									
6/13/2017								1.3	
6/14/2017									
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017					7.4				
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017	2.5								
9/26/2017		2.4			3.7				
9/27/2017			1.1	3.2					
9/29/2017						1.2	1.7		
10/2/2017									1.6
10/3/2017								1.4	
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017		3.9 (Y)							
3/14/2018	4 (J)	2.4							
3/15/2018			<1	3.3	6.5	1.4	1.6		
3/16/2018									1.7
3/19/2018									
3/20/2018								1.8	
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018	2.1	1			3.6				
9/13/2018			0.93	2.9			1.3		
9/14/2018						1.1			
9/17/2018									1.55 (D)
9/18/2018								1.9	
9/19/2018									
9/20/2018									
3/13/2019		2.2							
3/14/2019	2.9		<1 (D)	4.3 (D)	6.4				
3/15/2019									
3/18/2019							2.7		
3/19/2019						<1			
3/20/2019									<1
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
8/12/2022		<1	<1	3					
8/15/2022					5.1	1.2	1.3		
8/16/2022									0.99 (J)
8/17/2022								1.3	
8/18/2022									
8/19/2022									
10/11/2022					2.9				
10/21/2022									
2/13/2023	1.5	1.1							
2/14/2023			0.81 (J)	5.3	5.7	1	1		
2/16/2023									1.2
2/17/2023									
2/20/2023								1.6	
2/21/2023									
2/22/2023									
3/16/2023									
7/25/2023	1.3								
7/26/2023		0.92 (J)	0.99 (J)	3.2	2.4				
7/27/2023						1	1.1		1.2
7/28/2023									
7/31/2023								1.5	
8/1/2023									
8/2/2023									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6RZ	GWC-6	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	0.9079	1.6092	2.4904						
3/28/2016				0.9204	1.14	0.8659			
3/29/2016							1.6645	1.3977	
3/30/2016									0.9409
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016	0.9136								
5/20/2016			1.71						
5/23/2016		1.52			1.19				
5/24/2016							1.58	1.33	0.92
5/25/2016				1.04		0.8639			
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	1.1	1.5	2						
8/1/2016				0.85	1.2	0.93	1.4	1.2	
8/2/2016									1.2
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	1	1.4							
9/23/2016			1.8						
9/26/2016				0.87	1.1		1.4	1.1	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6RZ	GWC-6	GWC-8RR
6/12/2017		1.4	1.6	0.83	1.1	0.91			
6/13/2017							1.3	1.2	
6/14/2017									0.92
6/15/2017									
6/16/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/10/2017									
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017	1		0.94	0.94	1.2				
10/3/2017						0.95	1.3	1.2	
10/4/2017		1.5							1
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017									
3/14/2018									
3/15/2018									
3/16/2018	1.6			<1	1.4				
3/19/2018		1.5	1.9			0.82		1.2	
3/20/2018							1.7		
3/21/2018									1.3
3/22/2018									
3/23/2018									
9/12/2018									
9/13/2018									
9/14/2018	0.92		0.98						
9/17/2018		1.5			1.1	0.9	1.3	1.1	
9/18/2018				1					1.2
9/19/2018									
9/20/2018									
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019	2			<1	<1				
3/20/2019		<1	<1			<1			
3/21/2019							<1	<1	
3/22/2019									
3/23/2019									
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2R (bg)	GWA-3A (bg)	GWA-2 (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6RZ	GWC-6	GWC-8RR
8/12/2022									
8/15/2022									
8/16/2022	0.82 (J)	2.5	1.1		0.69 (J)	<1			
8/17/2022				<1			0.99 (J)	0.89 (J)	<1
8/18/2022									
8/19/2022									
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023	1.9		1.6	0.71 (J)	0.91 (J)				
2/17/2023		6.3					1.5	1.4	
2/20/2023						0.88 (J)			
2/21/2023									0.97 (J)
2/22/2023									
3/16/2023									
7/25/2023									
7/26/2023									
7/27/2023	0.92 (J)		1.3						
7/28/2023				0.72 (J)	0.95 (J)	0.69 (J)	1.3		
7/31/2023								1.3	0.98 (J)
8/1/2023		5.7							
8/2/2023									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10R	GWC-10	GWC-11R	GWC-11	GWC-13RZ	GWC-13	GWC-12	GWC-14Z
6/12/2017									
6/13/2017	2								
6/14/2017		2	1.9					0.89	3
6/15/2017				1.5	1.2				
6/16/2017						8.7	5.4		
7/12/2017						7.5			3.9
7/14/2017									
7/17/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017						6.6			
8/9/2017									
8/10/2017						8.5			
8/24/2017									
9/22/2017									
9/25/2017									
9/26/2017									
9/27/2017									
9/29/2017									
10/2/2017									
10/3/2017	2								
10/4/2017		2.1	2	1.6	1.3			1	
10/5/2017									2.7
10/6/2017						8.9			
10/9/2017							6.2		
12/28/2017									
3/14/2018									
3/15/2018									
3/16/2018									
3/19/2018									
3/20/2018	2.4		2.2						
3/21/2018		2.5			1.6		4.6		
3/22/2018				2				<1	3.4
3/23/2018						8.3			
9/12/2018									
9/13/2018									
9/14/2018									
9/17/2018									
9/18/2018	2.4 (D)	2.5	2.4	1.9	1.5			1.3	
9/19/2018							5.1		2.8
9/20/2018						9.6			
3/13/2019									
3/14/2019									
3/15/2019									
3/18/2019									
3/19/2019									
3/20/2019									
3/21/2019	2								
3/22/2019		2.8	2.2			7.4			3.7
3/23/2019				1.7	1.2		3.5	0.88	
3/25/2019									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-9	GWC-10R	GWC-10	GWC-11R	GWC-11	GWC-13RZ	GWC-13	GWC-12	GWC-14Z
8/12/2022									
8/15/2022									
8/16/2022									
8/17/2022	1.9		1.6						
8/18/2022		2.5 (J)		1.7	1.2		3.4	1	4.3
8/19/2022						6.4			
10/11/2022									
10/21/2022									
2/13/2023									
2/14/2023									
2/16/2023									
2/17/2023									
2/20/2023		2.4	1.9	1.6	1.2				
2/21/2023	2.1							0.99 (J)	
2/22/2023						5.8	3.2		4
3/16/2023									
7/25/2023									
7/26/2023									
7/27/2023									
7/28/2023									
7/31/2023	2	2.3	2.1						
8/1/2023				1.6	1.3		3.3	0.96 (J)	3.7
8/2/2023						5.4			

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016	0.9439	2.08			
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016			1.74 (D)		
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016	1	1.51		1.33	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016			2.1 (D)		
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016				1.5	
8/3/2016					
8/4/2016		1.7			
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/27/2016				1.4	
9/28/2016					
9/29/2016		1.5			
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				1.5	
11/22/2016					
11/23/2016	1.7	1.9			
11/28/2016					
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017				1.5	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017	1.6	1.5			
2/13/2017					
2/21/2017			4 (D)		
2/22/2017					3.7 (D)
3/24/2017					
3/27/2017			2.6 (D)		
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017				1.2	
4/7/2017					2.5 (D)
4/10/2017					
4/11/2017	1.5				
4/12/2017		1.7			
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017			2.1 (D)		
6/9/2017					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:10 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
6/12/2017					
6/13/2017				0.98	
6/14/2017					2.6 (D)
6/15/2017	1	1.4			
6/16/2017					
7/12/2017	1.8				2.8 (D)
7/14/2017				1.1	
7/17/2017			1.9 (D)		
7/20/2017					2.3 (D)
7/26/2017	1.2				
7/27/2017			3 (D)		
7/28/2017					2 (D)
8/9/2017			2.5 (D)		1.8 (D)
8/10/2017					
8/24/2017					2.9 (D)
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017			2.7 (D)		
10/2/2017					
10/3/2017				1	2.8 (D)
10/4/2017					
10/5/2017					
10/6/2017	1.7	1.6			
10/9/2017					
12/28/2017					
3/14/2018					
3/15/2018					
3/16/2018			2.6		
3/19/2018					
3/20/2018				1.5	
3/21/2018					2.9
3/22/2018					
3/23/2018	<1	1.5			
9/12/2018					
9/13/2018					
9/14/2018			1.9		
9/17/2018					
9/18/2018				1.3	3.1
9/19/2018	1.1	1.7			
9/20/2018					
3/13/2019					
3/14/2019			2.8		
3/15/2019					
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019				<1	3.6 (D)
3/22/2019	1.2				
3/23/2019					
3/25/2019		1.9			

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019			2.3		
9/11/2019					
9/12/2019					2.1 (D)
9/13/2019				1	
9/16/2019					
9/17/2019	0.78 (X)	2			
9/18/2019					
3/6/2020					
3/9/2020			1.5		
3/10/2020					
3/11/2020					
3/12/2020				0.72 (J)	2.3
3/13/2020	0.7 (J)	1.6			
3/16/2020					
3/17/2020					
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020			1.7	0.79 (J)	
9/17/2020					2.4
9/21/2020	0.64 (J)	1.6			
9/22/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021			1.3		2.7
3/17/2021				0.79 (J)	
3/18/2021	0.67 (J)	1.7			
3/19/2021					
3/29/2021					
8/4/2021					
8/5/2021					
8/6/2021			1.3		
8/9/2021					
8/10/2021				0.68 (J)	2.8
8/11/2021	<1	1.2			
8/12/2021					
1/31/2022					
2/1/2022					
2/2/2022			1.5	0.76 (J)	
2/3/2022					2.6
2/4/2022		1.2			
2/7/2022	0.6 (J)				
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15Z	GWC-15R	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
8/12/2022					
8/15/2022					
8/16/2022			1.6		
8/17/2022				<1	2.6
8/18/2022					
8/19/2022	0.88 (J)	1.4			
10/11/2022					
10/21/2022					
2/13/2023					
2/14/2023			1.6		
2/16/2023					
2/17/2023					3
2/20/2023				0.94 (J)	
2/21/2023					
2/22/2023	0.83 (J)	1.5			
3/16/2023					
7/25/2023			1.7		
7/26/2023					
7/27/2023					
7/28/2023					3
7/31/2023				0.94 (J)	
8/1/2023	0.82 (J)				
8/2/2023		1.2			

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-47	GWC-47R	GWC-46R	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-40 (bg)
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/11/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/19/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/8/2017									
8/9/2017									
8/10/2017									
8/23/2017									
8/24/2017									
9/22/2017					7.8		5.77		
9/25/2017									
9/26/2017						7.59		7.05	7.66
9/27/2017		7.55	7.62						
9/29/2017	5.06			7.42					
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	5.07 (Y)	7.59 (Y)			7.78 (Y)			6.79 (Y)	7.34 (Y)
12/29/2017									
1/9/2018									
1/10/2018									
3/14/2018						7.6	5.85	7.42	7.56
3/15/2018	5.14	7.42		7.22	7.66				
3/16/2018			7.72						
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018					7.75		5.65	6.86	7.12
9/13/2018	5.02	7.49	7.68	7.52					
9/14/2018						7.37			
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019					7.84		5.63		7.12
3/14/2019						7.57			
3/15/2019	5.28	7.45					6.78		

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-47	GWC-47R	GWC-46R	GWA-43R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-39Z (bg)	GWA-40 (bg)
3/18/2019				7.39					
3/19/2019			7.93						
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019								6.49	7.07
9/10/2019						7.53			
9/11/2019	4.93		7.55	7.36	7.75		5.53		
9/12/2019		7.48							
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020						7.42			
3/9/2020	5.18	7.19	7.51		7.73		5.5	5.9	7.5
3/10/2020				7.44					
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020						7.48		5.53	
9/11/2020							6.25		6.98
9/14/2020	5	7.54		7.43	7.76				
9/15/2020			7.64						
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
12/15/2020									
3/10/2021									7.3
3/11/2021	4.95	7.34	7.48	7.53	7.81	7.53	5.55		
3/12/2021								6.39	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
5/26/2021	4.72			7.39					
8/4/2021	4.91					7.35		6.21	6.79
8/5/2021		7.41	7.45	7.44	7.75				
8/6/2021							5.52		
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021		7.34	7.36						

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-41 (bg)	GWC-44	GWC-45	GWC-45R	GWC-49Z	GWC-49R	GWC-8Z	GWA-1 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	7.4	6.45	4.69		7.52				
11/4/2016				5.02			7.89		
11/7/2016						5.71			
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016								7.4	
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	7.06								
1/18/2017		6.34							
1/19/2017			4.58						
1/20/2017					7.3				
1/23/2017				4.9					
1/24/2017						5.58	7.97		
1/30/2017									7.64
1/31/2017									
2/1/2017									
2/3/2017								7.05	
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017		6.42							
3/27/2017	7.13								
3/28/2017			4.45						
3/29/2017				5.08	7.29		7.71		
3/30/2017						5.44			7.51
4/3/2017									
4/6/2017									
4/7/2017								7.14	
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017			4.33						
6/6/2017	7.18	6.82							
6/7/2017				5.06	7.43				
6/8/2017							7.86		
6/9/2017						5.11			7.6

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWC-5	GWA-50R (bg)	GWA-50 (bg)	GWC-6RZ	GWC-6	GWC-9
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	6.7	5.96	7.45						
3/28/2016				7.04	6.45	6.22			
3/29/2016							7.24	7.54	
3/30/2016									6.07
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			7.5						
5/20/2016	6.36								
5/23/2016		5.73				5.86			
5/24/2016							7.1	7.39	
5/25/2016				6.39	6.96				
5/26/2016									6.44
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	6.75	5.51	7.59						
8/1/2016				6.13	5.64	6.39	7.07	7.26	
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									6.67
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016		5.45	7.44						
9/23/2016	6.62								
9/26/2016					6.26	5.74	7.15	7.19	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWC-5	GWA-50R (bg)	GWA-50 (bg)	GWC-6RZ	GWC-6	GWC-9
9/27/2016				5.98					
9/28/2016									6.89
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	6.42								
11/10/2016		5.51	7.55			5.78			
11/11/2016				6.11	5.62				
11/14/2016							7.15		
11/18/2016								7.04	
11/21/2016									6.89
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017					5.49	5.88			
1/31/2017	5.66	5.42	7.56	6.08					
2/1/2017							7.09	7.34	
2/3/2017									
2/6/2017									4.93
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	6.33	5.43							
4/3/2017			7.46	6.13	6.32				
4/6/2017							7.23	7.49	4.92
4/7/2017						5.94			
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			7.24						

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016				8.56 (o)	
4/5/2016			10.61 (o)		
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016	7.61 (D)				
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016		7.98			
6/1/2016			10.32 (o)	9.83 (o)	
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016	7.51 (D)				
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016		7.64			
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016			8.23 (o)		
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
9/27/2016		7.18			
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016		7.49			
11/22/2016					
11/23/2016					
11/28/2016			7.29		
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017		7.2			
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017			6.91		
2/10/2017					
2/13/2017					
2/21/2017	7.76 (D)				
2/22/2017				7.45	7.38 (D)
3/24/2017					
3/27/2017	7.7 (D)				
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017		7.42			
4/7/2017					7.35 (D)
4/10/2017					
4/11/2017			6.68	6.37	
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017	7.69 (D)				
6/9/2017					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
6/12/2017					
6/13/2017		7.25			
6/14/2017			6.84		7.3 (D)
6/15/2017					
6/16/2017				7.33	
7/11/2017					7.39
7/12/2017			6.54	7.46	7.39 (D)
7/14/2017		7.5			
7/17/2017	7.57 (D)				
7/19/2017					7.44
7/20/2017					7.44 (D)
7/26/2017	7.63				
7/27/2017	7.63			7.37	7.5
7/28/2017				7.37	7.5
8/8/2017	7.73				7.52
8/9/2017	7.73			7.38	7.52
8/10/2017				7.38	
8/23/2017					7.5
8/24/2017					7.5
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017	7.7 (D)				
10/2/2017					
10/3/2017		7.5			7.51 (D)
10/4/2017					
10/5/2017			6.93		
10/6/2017				6.55	
10/9/2017					
12/28/2017				7.43 (Y)	7.32 (Y)
12/29/2017					
1/9/2018					
1/10/2018					
3/14/2018					
3/15/2018					
3/16/2018	7.49				
3/19/2018					
3/20/2018		6.76			
3/21/2018					7.3
3/22/2018			6.93		
3/23/2018				7.58	
9/12/2018					
9/13/2018					
9/14/2018	7.32				
9/17/2018					
9/18/2018		7.26			7.26
9/19/2018			6.88		
9/20/2018				7.43	
3/13/2019					
3/14/2019	7.46				
3/15/2019					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019		7.3			7.28 (D)
3/22/2019			6.27	7.49	
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019	7.48				
9/11/2019					
9/12/2019					7.2 (D)
9/13/2019		6.8			
9/16/2019					
9/17/2019			6.04		
9/18/2019				7.5	
3/6/2020					
3/9/2020	7.68				
3/10/2020					
3/11/2020					
3/12/2020		7.53			7.55
3/13/2020			6.16		
3/16/2020					
3/17/2020				7.62	
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020	7.68	7.56			
9/17/2020					7.42
9/21/2020			6.06		
9/22/2020				6.95	
12/15/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021	7.85				7.4
3/17/2021		7.52			
3/18/2021			6.04		
3/19/2021				7.42	
3/29/2021					
5/26/2021					
8/4/2021					
8/5/2021					
8/6/2021	7.09				
8/9/2021					
8/10/2021		7.13			7.2
8/11/2021			6.09		
8/12/2021				7.11	
10/28/2021					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 9/14/2023 2:11 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39RZ (bg)	GWC-7Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
1/31/2022					
2/1/2022					
2/2/2022	6.89	7.54			
2/3/2022					7.2
2/4/2022			6.06	7.46	
2/7/2022					
2/17/2022					
4/28/2022					
8/10/2022					
8/11/2022					
8/12/2022					
8/15/2022					
8/16/2022	7.45				
8/17/2022		7.34			6.49
8/18/2022			5.95		
8/19/2022				6.66	
10/11/2022					
10/21/2022					
2/13/2023					
2/14/2023	7.48				
2/16/2023					
2/17/2023					6.98
2/20/2023		7.4			
2/21/2023					
2/22/2023			5.97	7.15	
3/16/2023					
4/11/2023					
7/25/2023	7.19				
7/26/2023					
7/27/2023					
7/28/2023					6.815 (D)
7/31/2023		6.52			
8/1/2023			5.57		
8/2/2023				6.995 (D)	

FIGURE J.

Appendix III Trend Tests Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride, Total (mg/L)	GWA-1 (bg)	-0.07851	-119	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-39Z (bg)	-0.1193	-127	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41 (bg)	-0.1003	-94	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41R (bg)	-0.321	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50 (bg)	-0.04338	-105	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50R (bg)	-0.03971	-100	-87	Yes	21	14.29	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-48	0.5357	234	105	Yes	24	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.03516	-112	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08999	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.08482	-120	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.1067	-111	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1762	-152	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1159	-137	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.2012	-114	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05717	-125	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.06994	-151	-98	Yes	23	0	n/a	n/a	0.01	NP

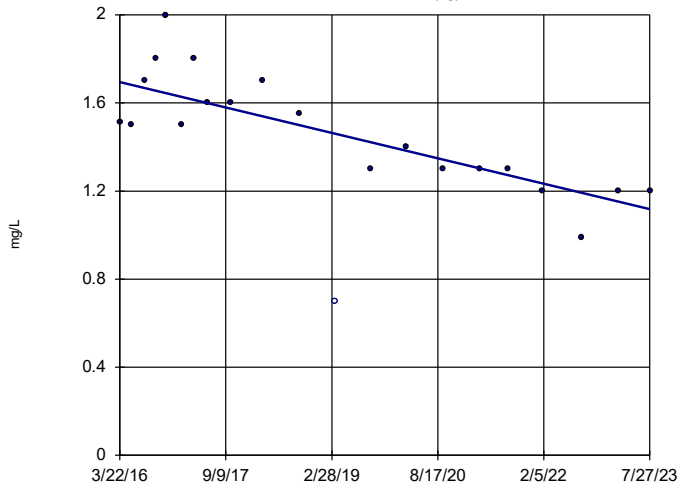
Appendix III Trend Tests Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:15 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Chloride, Total (mg/L)	GWA-1 (bg)	-0.07851	-119	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2 (bg)	-0.07383	-67	-87	No	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2R (bg)	-0.0203	-22	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-39RZ (bg)	-0.1495	-85	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-39Z (bg)	-0.1193	-127	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-3A (bg)	0.01107	26	81	No	20	5	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-40 (bg)	-0.06014	-64	-92	No	22	4.545	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41 (bg)	-0.1003	-94	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-41R (bg)	-0.321	-129	-87	Yes	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-42 (bg)	-0.08811	-56	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-43 (bg)	0	9	87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-43R (bg)	-0.2484	-86	-87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-4RZ (bg)	0.03234	25	87	No	21	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50 (bg)	-0.04338	-105	-87	Yes	21	4.762	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-50R (bg)	-0.03971	-100	-87	Yes	21	14.29	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-48	0.5357	234	105	Yes	24	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-1 (bg)	-0.03516	-112	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2 (bg)	-0.02005	-25	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-2R (bg)	-0.08999	-116	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39RZ (bg)	-0.04573	-86	-98	No	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-39Z (bg)	-0.05794	-47	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-3A (bg)	0.01388	2	81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-40 (bg)	-0.08482	-120	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41 (bg)	-0.06616	-66	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-41R (bg)	-0.1067	-111	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-42 (bg)	-0.04373	-86	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43 (bg)	-0.1762	-152	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-43R (bg)	-0.01123	-50	-92	No	22	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-4RZ (bg)	-0.05277	-106	-124	No	27	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50 (bg)	-0.1159	-137	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWA-50R (bg)	-0.2012	-114	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-44	-0.05717	-125	-98	Yes	23	0	n/a	n/a	0.01	NP
pH (pH_units)	GWC-45	-0.06994	-151	-98	Yes	23	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

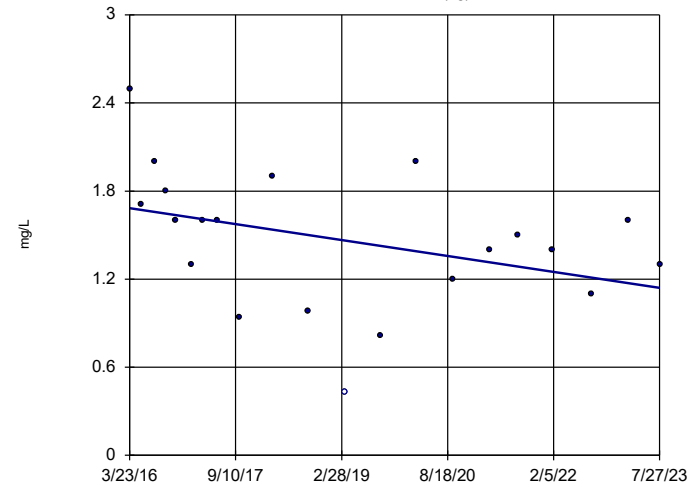
GWA-1 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

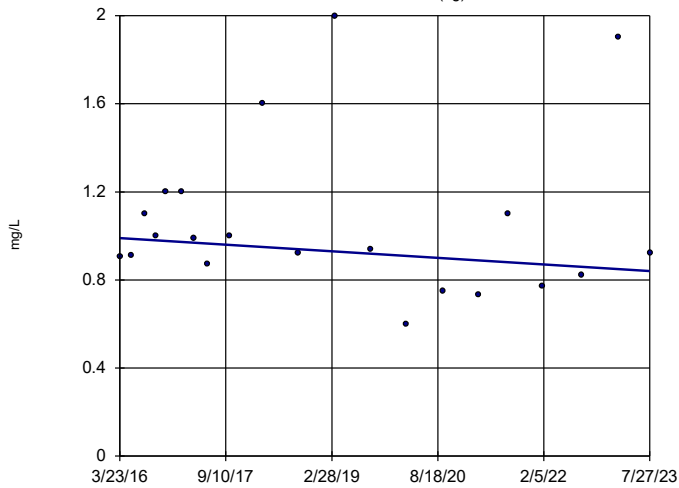
GWA-2 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

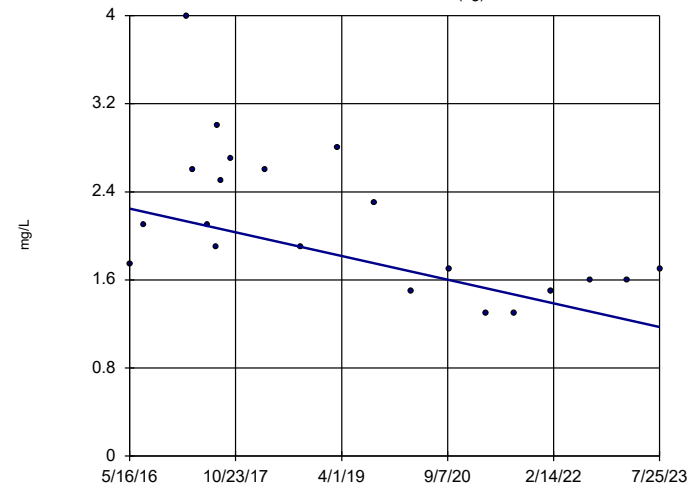
GWA-2R (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

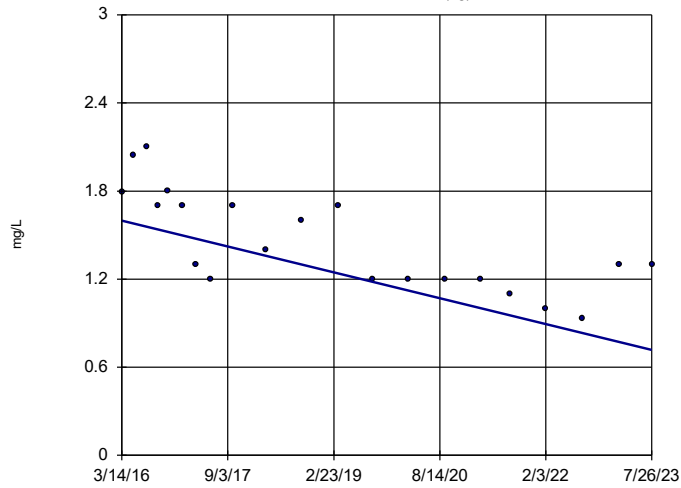
GWA-39RZ (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39Z (bg)

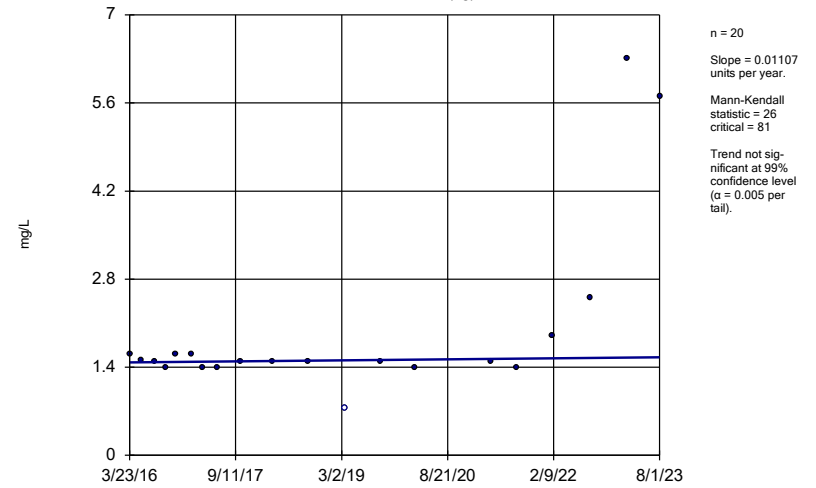


Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Hollow symbols indicate censored values.

Sen's Slope Estimator

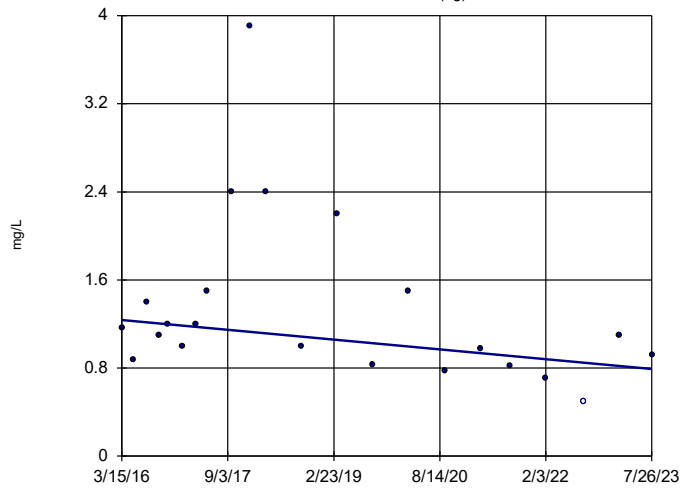
GWA-3A (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

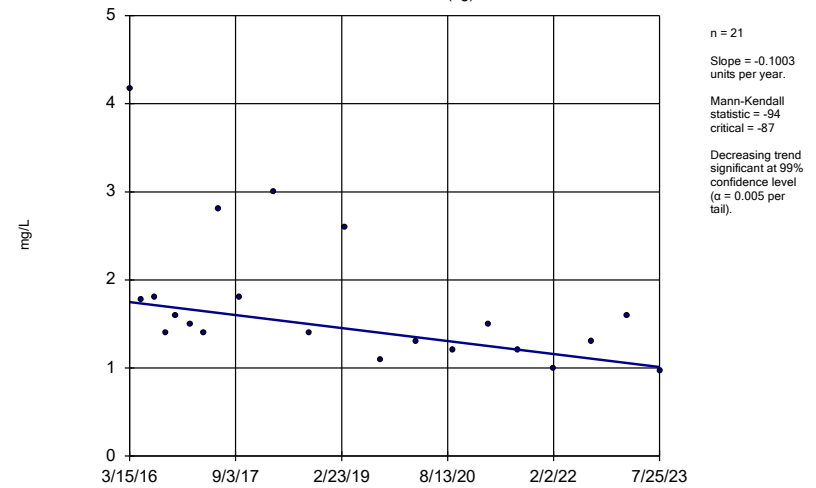
GWA-40 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

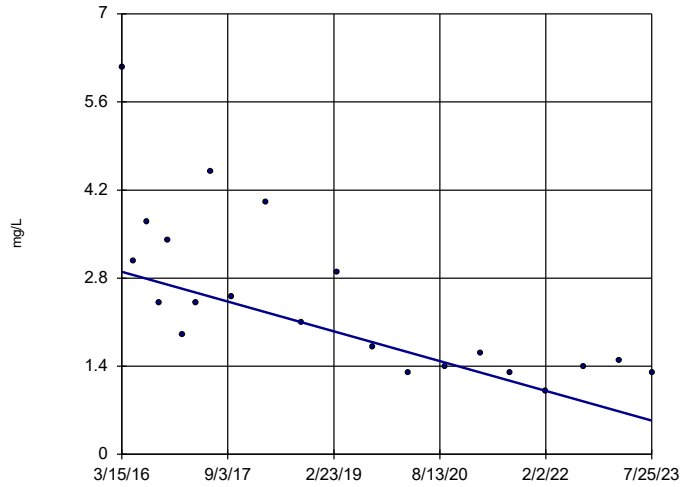
GWA-41 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

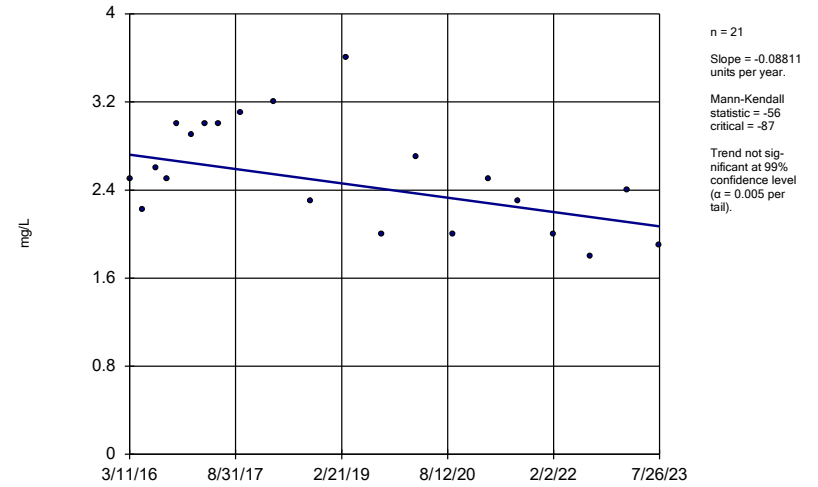
GWA-41R (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

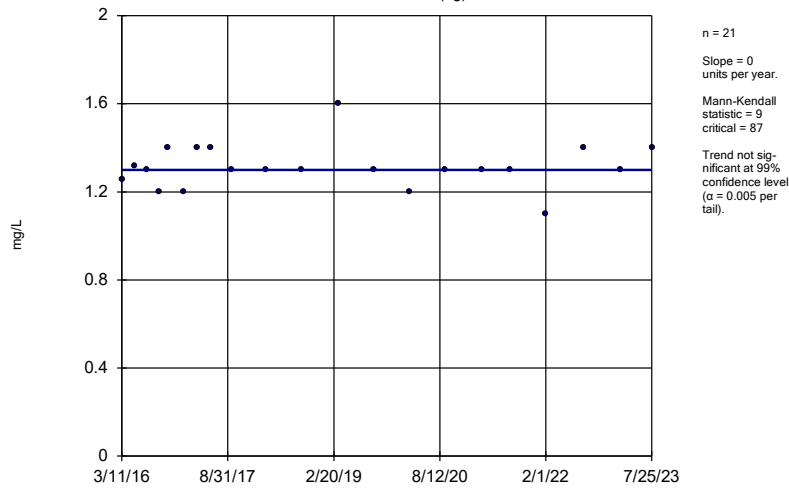
GWA-42 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

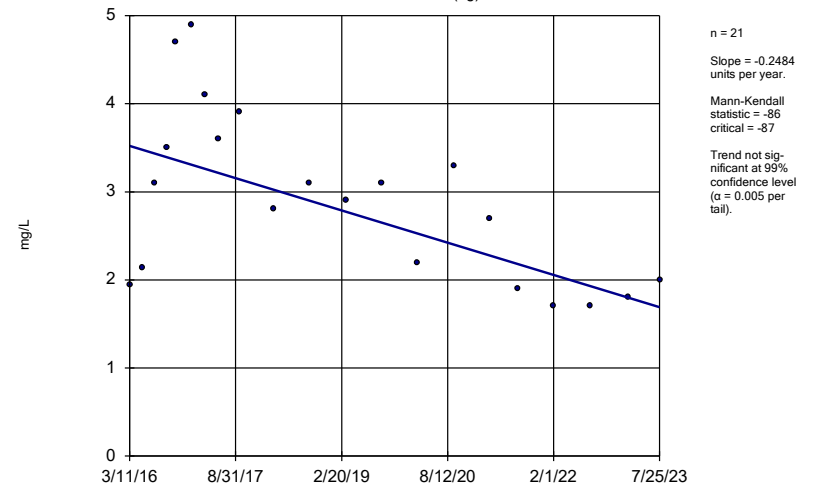
GWA-43 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

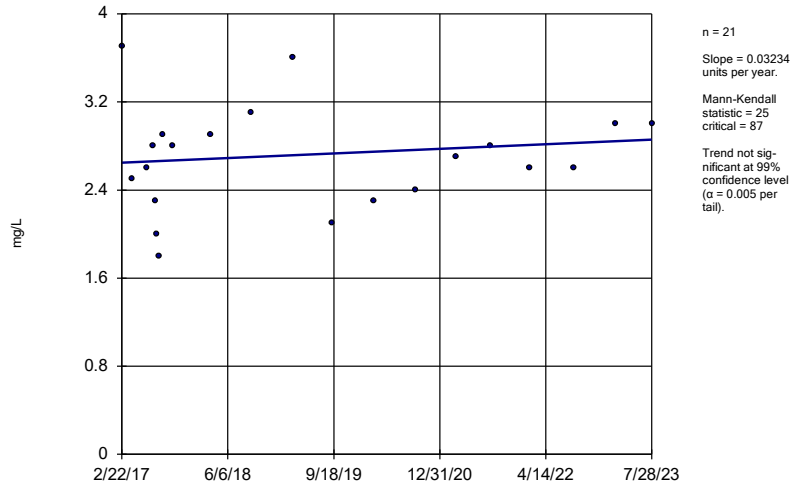
GWA-43R (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:14 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

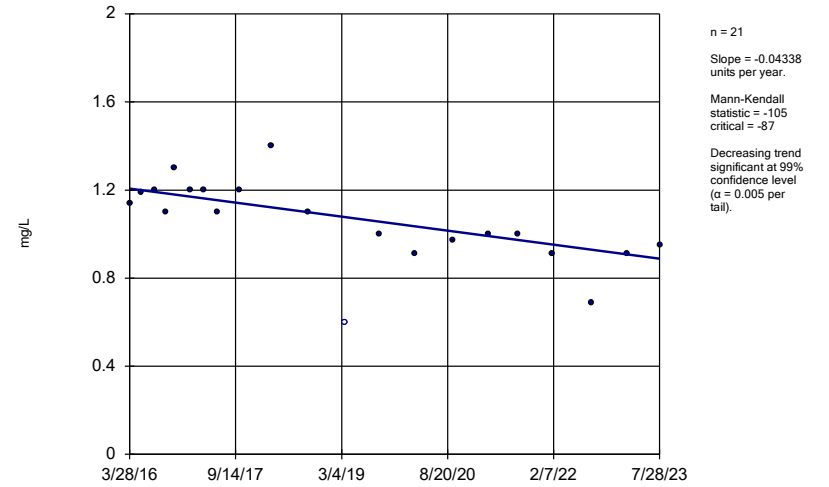
GWA-4RZ (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

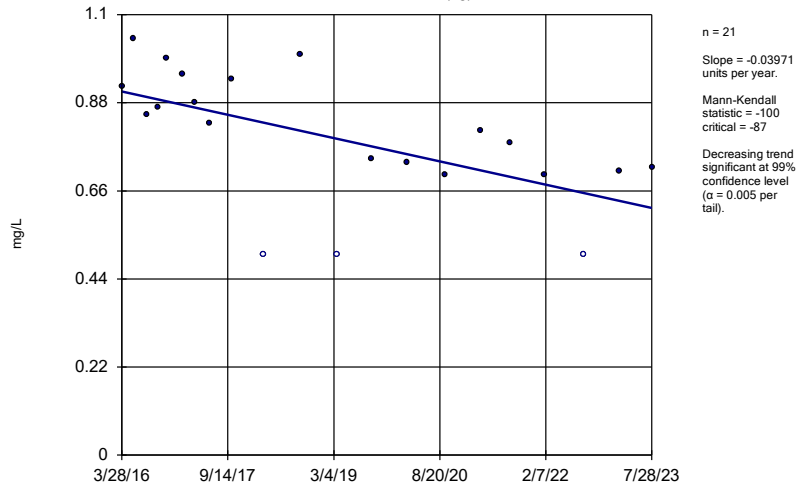
GWA-50 (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

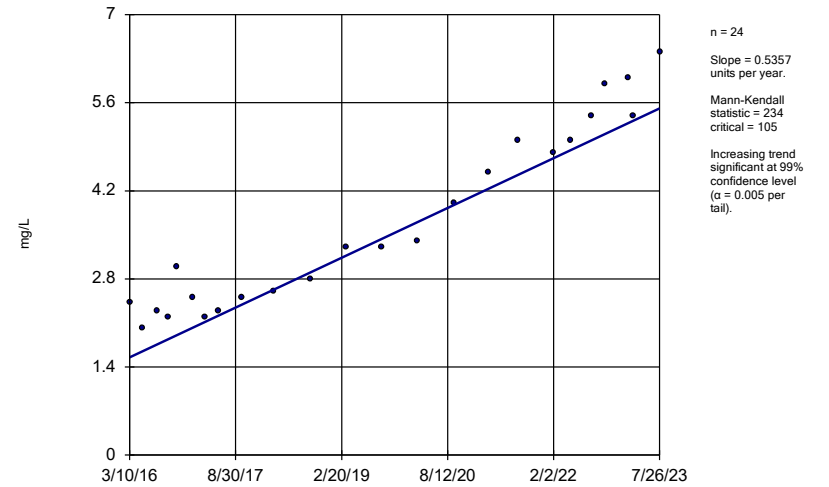
GWA-50R (bg)



Constituent: Chloride, Total Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

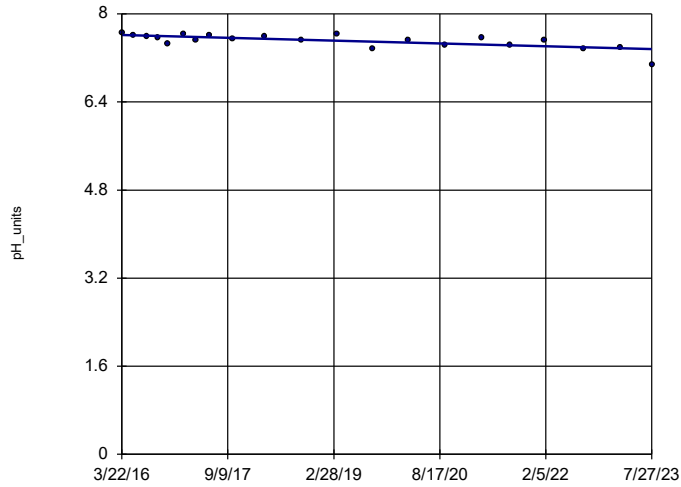
GWC-48



Constituent: Chloride, Total Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-1 (bg)

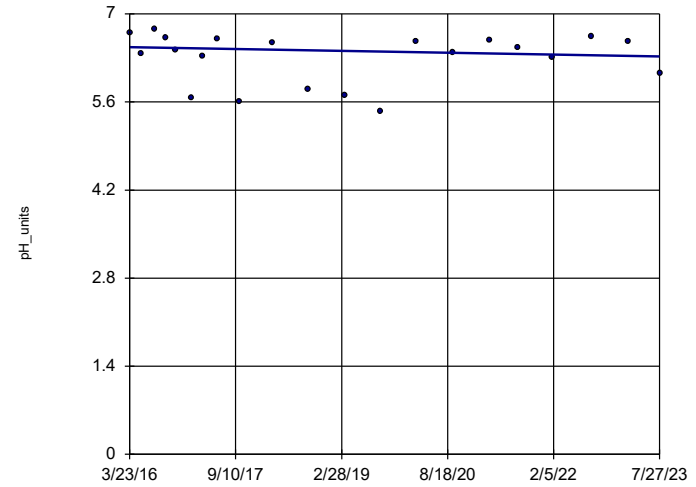


n = 21
 Slope = -0.03516 units per year.
 Mann-Kendall statistic = -112
 critical = -87
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2 (bg)

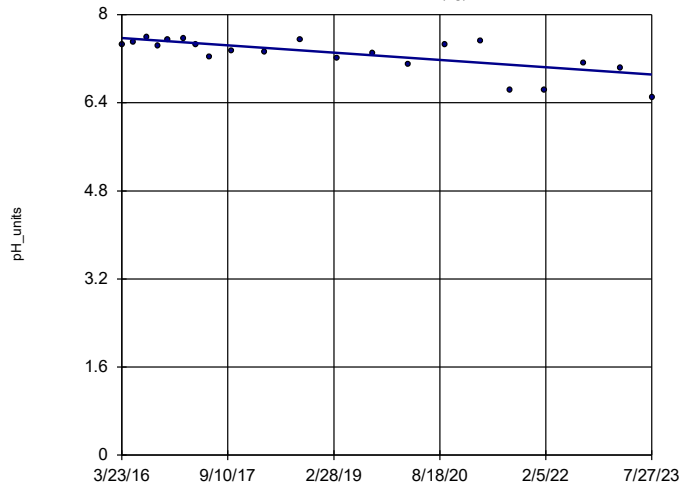


n = 21
 Slope = -0.02005 units per year.
 Mann-Kendall statistic = -25
 critical = -87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-2R (bg)

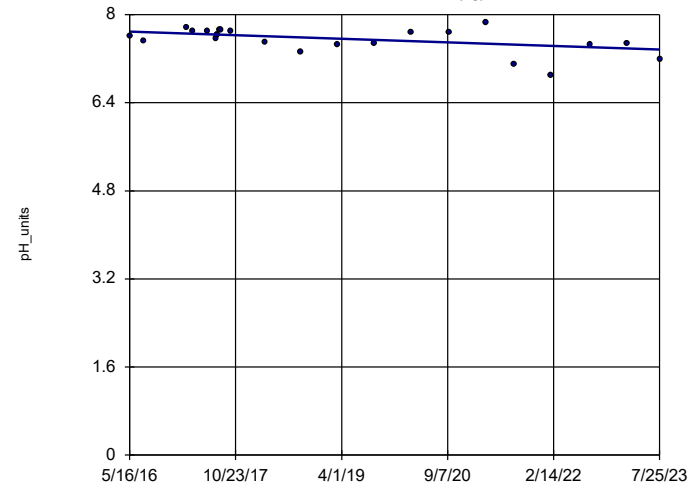


n = 21
 Slope = -0.08999 units per year.
 Mann-Kendall statistic = -116
 critical = -87
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWA-39RZ (bg)

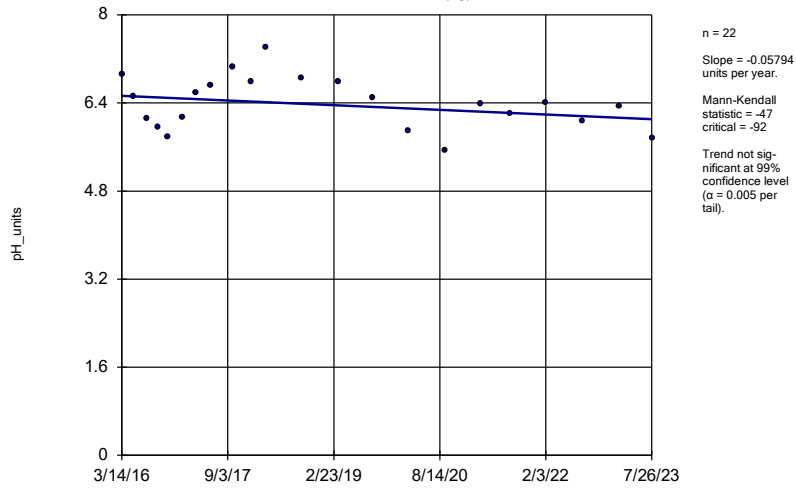


n = 23
 Slope = -0.04573 units per year.
 Mann-Kendall statistic = -86
 critical = -98
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

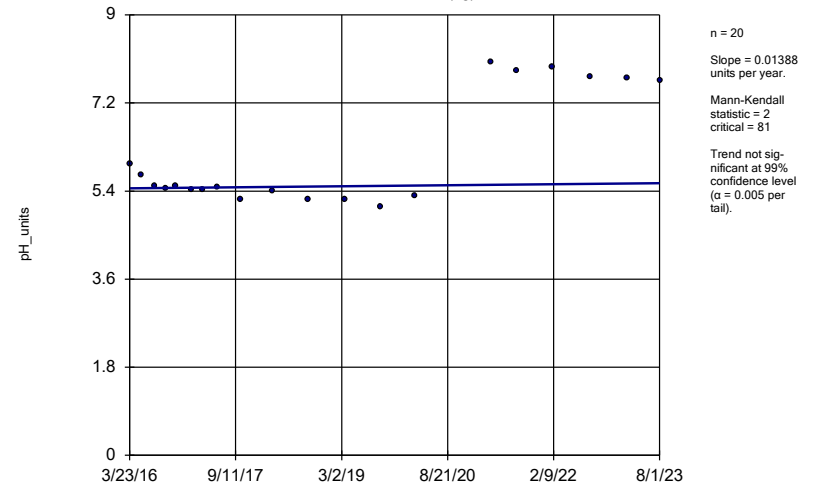
GWA-39Z (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

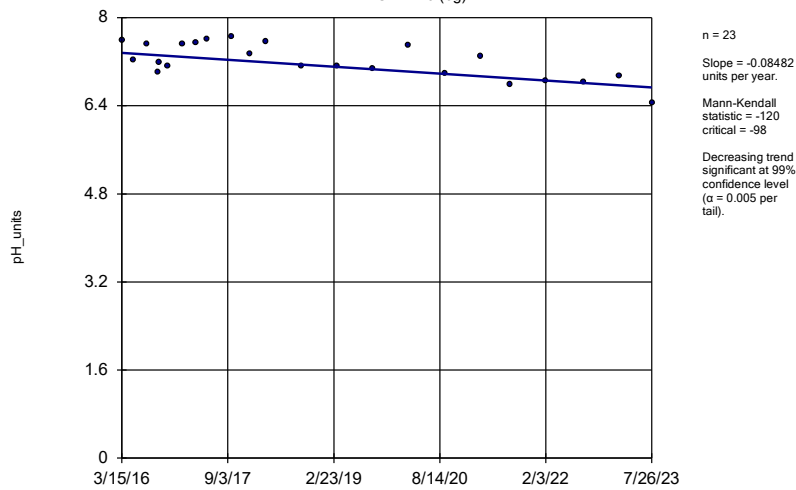
GWA-3A (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

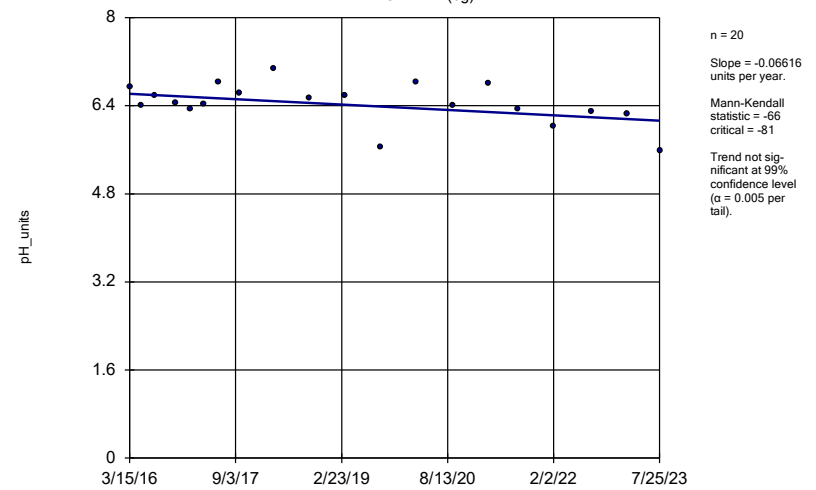
GWA-40 (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

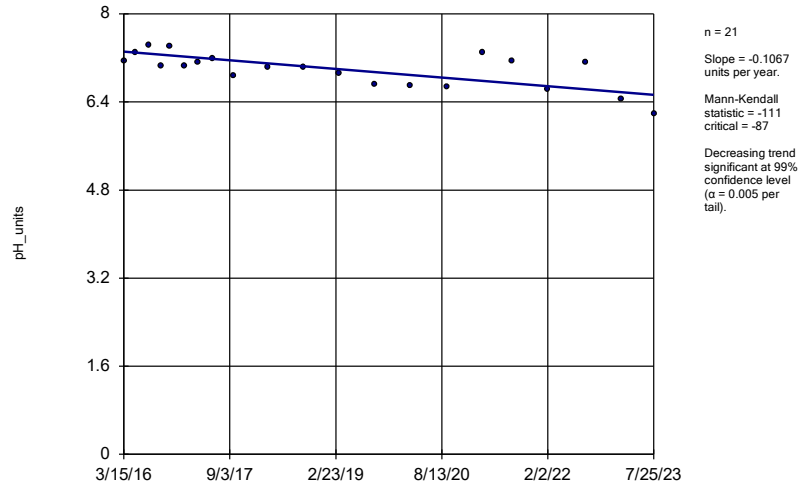
GWA-41 (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

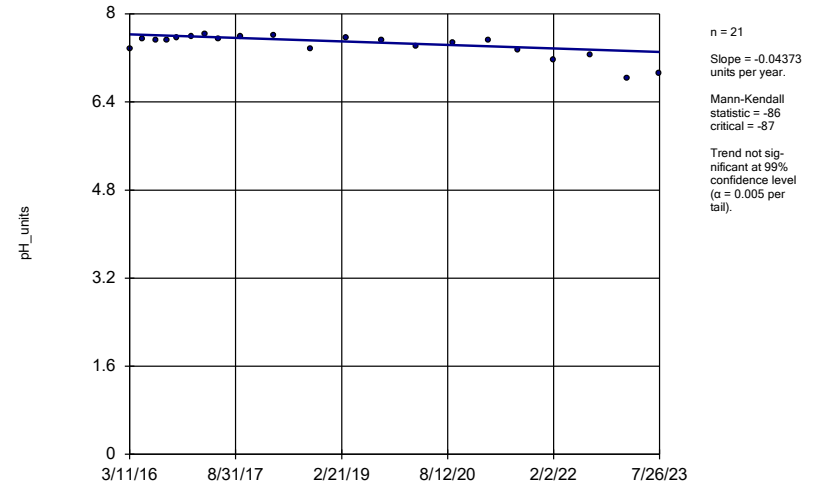
GWA-41R (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

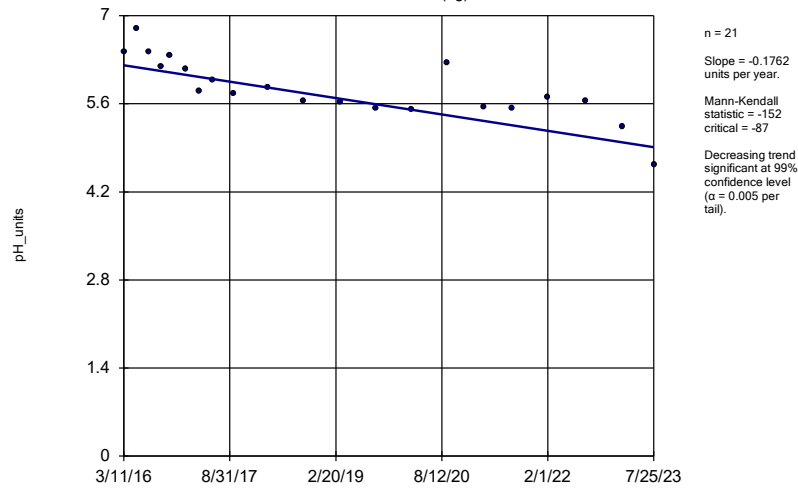
GWA-42 (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

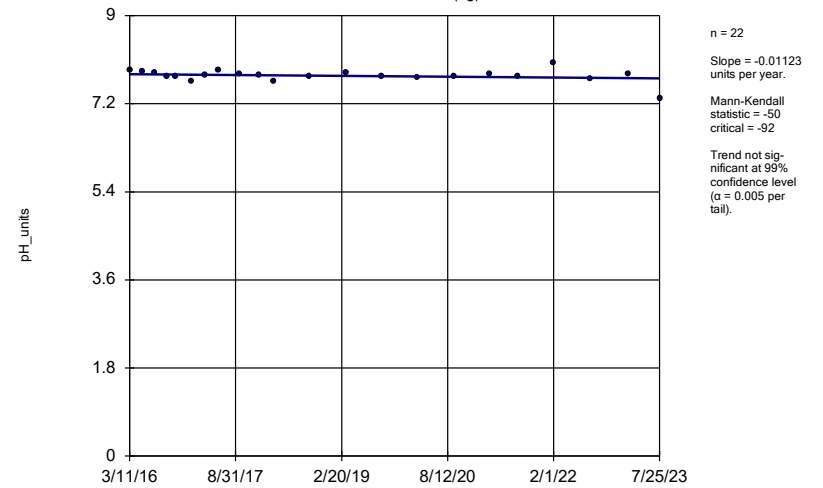
GWA-43 (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

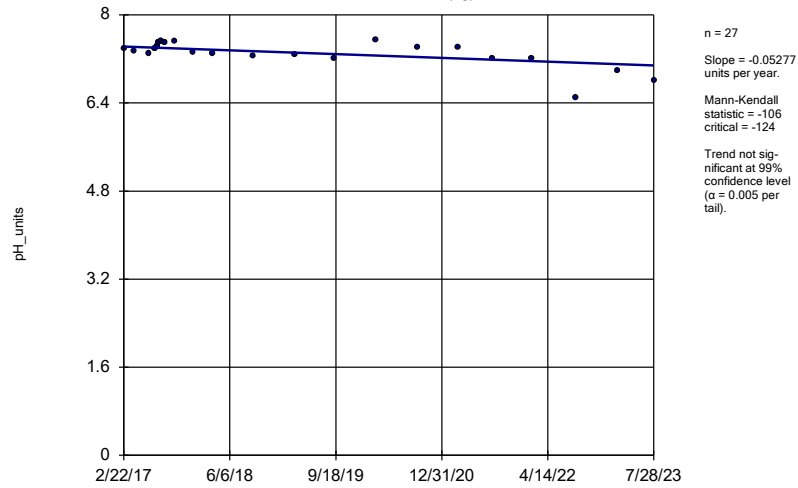
GWA-43R (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

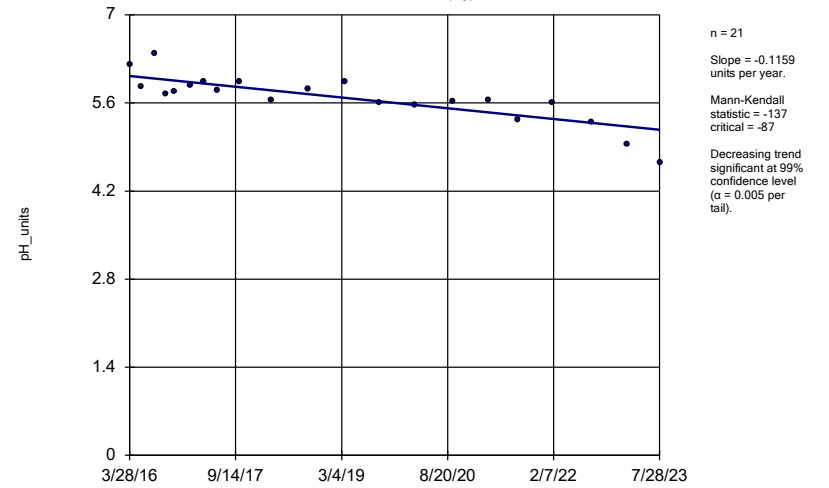
GWA-4RZ (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

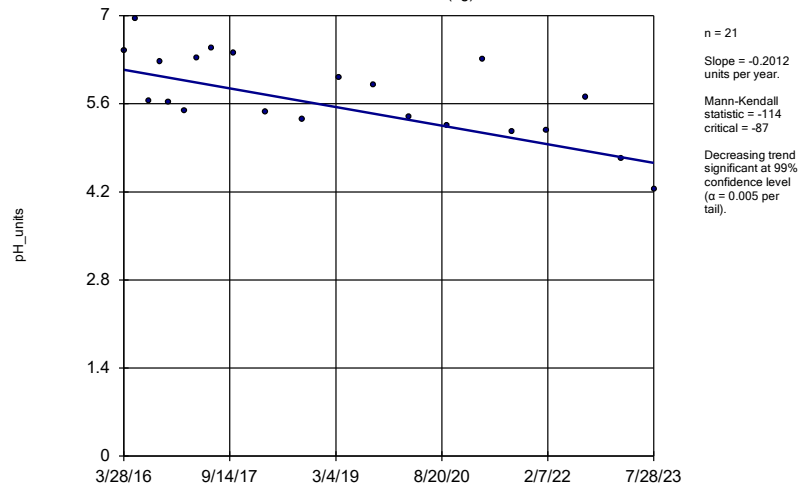
GWA-50 (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

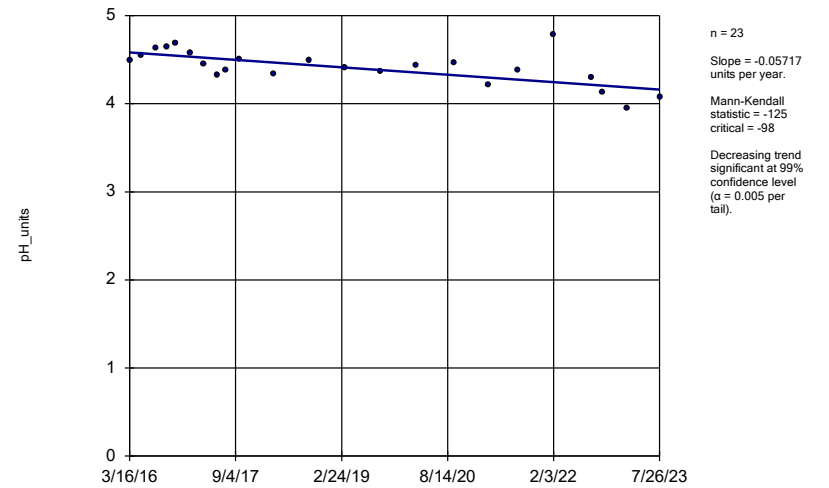
GWA-50R (bg)



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

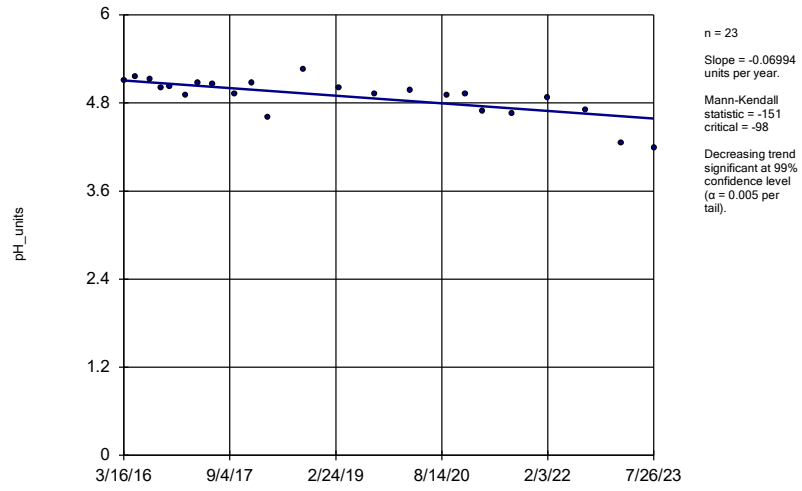
GWC-44



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Sen's Slope Estimator

GWC-45



Constituent: pH Analysis Run 9/14/2023 2:15 PM View: Appendix III Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE K.

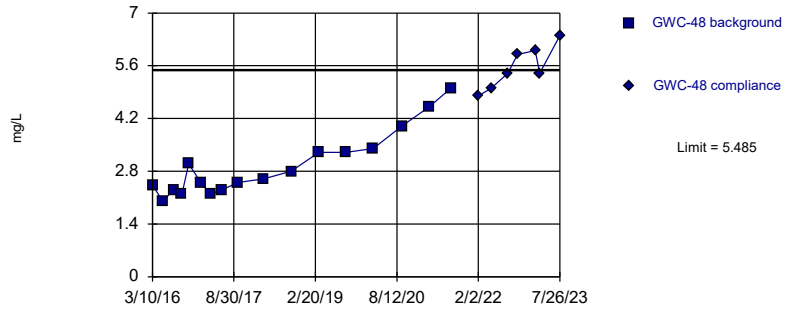
Intrawell Prediction Limits - Chloride GWC-48 - All/Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/14/2023, 2:43 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride, Total (mg/L)	GWC-48	5.485	n/a	7/26/2023	6.4	Yes	17	1.705	0.2373	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Exceeds Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.705, Std. Dev.=0.2373, n=17. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8997, critical = 0.892. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

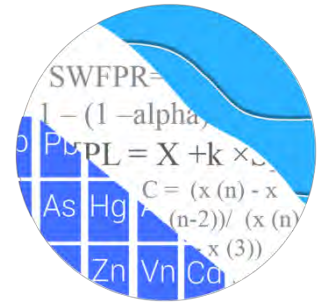
Constituent: Chloride, Total Analysis Run 9/14/2023 2:38 PM View: Appendix III Intrawell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/14/2023 2:43 PM View: Appendix III IntraWell - Chloride
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5
8/15/2022		5.4
10/21/2022		5.9
2/14/2023		6
3/16/2023		5.4
7/26/2023		6.4

GROUNDWATER STATS CONSULTING



January 31, 2024

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 3 & 4
August 2023 Statistical Analysis

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the statistical analysis of groundwater quality for the August 2023 sample event for Georgia Power Company's Plant Bowen Landfill Cells 3 & 4. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

The current monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-36A, GWA-36RA, GWA-37, GWA-38, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56
- **Downgradient:** GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, and GWC-25R

Note that upgradient well GWA-36RA was installed as a replacement well for upgradient well GWA-36R and was first sampled in July 2021. As requested, all historical data from well GWA-36R were combined with data from replacement well GWA-36RA.

Additionally, some previously reported measurements during the 2nd 2022 and 1st 2023 sample events with "J" flags were revised in the Sanitas database. While the "J" flag is typically used to represent estimated measurements detected between the Method Detection Limit and Practical Quantitation Limit for statistical purposes, the "J" flag during these events was also used to indicate data validation criteria (e.g., greater than a 20% relative percent difference (RPD) between the original and duplicate samples). Therefore, the "J" flags for those well/constituent pairs were removed. No significant changes in statistical limits resulted from these revised flags as the reported measurement remained the same.

Prior to the February 2023 sample event, the following upgradient wells were abandoned and are no longer sampled:

- GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56

Additionally, the well casing for upgradient well GWA-36 was reportedly damaged before the August 2022 sample event and the well has since been abandoned. The historical data from these abandoned upgradient wells still provide context for the groundwater quality upgradient of the facility and are, therefore, used in constructing statistical limits. Upgradient well GWA-36A was installed as a replacement for upgradient well GWA-36 and is plotted on time series and box plots. Well GWA-36A has sufficient samples (minimum of 2), and data from this well will be used along with neighboring upgradient well data to construct interwell prediction limits for Appendix III parameters. Intrawell prediction limits will be constructed for this well for Appendix III parameters when a minimum of 8 samples is available.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder of Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The constituents listed below are evaluated in this report. The terms "parameters" and "constituents" are interchangeable.

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia Appendix I EPD:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix I well/constituent pairs with 100% non-detects follows this letter.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is used for all non-detects. Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contains varying limits for a given parameter; therefore, the substitution may differ from well to well. This generally gives the most conservative limit in each case. A single reporting limit substitution is used across all wells in the time series plots for a given parameter since the wells are plotted as a group.

Reporting limit changes may occur depending on laboratory capabilities. In the case of beryllium, a change in laboratories resulted in a decrease in the reporting limit. The historic reporting limit of 0.003 mg/L was substituted in place of the most recent reporting limit of 0.0005 mg/L, as requested by Stantec, to be consistent with previous statistical limits.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided with the screening report and demonstrated that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid

Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 16
- # Downgradient wells: 11

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (chloride, pH, sulfate, and TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, fluoride)
- # Constituents: 7
- # Downgradient wells: 11

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel

to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to spatial variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of spatial variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of statistically significant increases (SSIs) that result from spatial variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of spatial variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of variation rather than a result of impact to groundwater quality downgradient of the facility.

Summary of Background Screening Georgia EPD Constituents – Conducted in August 2019

Outliers Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits. The results of Tukey's outlier test as well as a discussion of potential outliers and flagged values were included with the background screening report.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Testing

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the influence of the trend and reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits.

Several statistically significant decreasing trends were noted, but adjustments were required only for barium in well GWA-53, copper in well GWA-37, and nickel in well GWC-16R. The magnitudes of all other trends were low relative to the average concentrations at each respective well. However, the decreasing trend for zinc at GWC-16R may require adjustment in the future, if it persists, in order to obtain a more conservative prediction limit. Statistically significant increasing trends were also noted but adjustments to eliminate the trends were required only for barium and zinc in upgradient well GWA-36 because the magnitudes of trends identified for all other well/constituent pairs were low relative to the average concentrations. Truncation of earlier data is based on the assumption that the increasing trend is not the result of the facility. Further discussion of this assumption is included with the use of intrawell methods. A summary of the background date ranges used for well/constituent pairs follows this letter.

Summary of Background Update Georgia EPD Appendix I Constituents – April 2022

Outlier Analysis

Prior to updating background data, all Appendix I data were evaluated for the purpose of updating background data sets. Tukey's outlier test and visual screening were used to evaluate data for all wells and constituent through January 2022. All previously flagged outliers were confirmed and, although Tukey's test noted potential outliers in the newer set of measurements, only the highest concentrations of chromium and lead were flagged in upgradient well GWA-37 as all other measurements were similar to remaining concentrations within a given well.

Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. The Appendix I outliers are included in the outlier summary following this letter (Figure C).

Mann-Whitney

For all Appendix I constituents, the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2018 to the new compliance samples at each well through August 2021. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data. The following statistically significant results were identified:

Increasing

- Antimony: GWC-16R
- Barium: GWA-56 (upgradient)

Decreasing:

- Antimony: GWA-37 and GWA-53R (both upgradient), and GWC-18R
- Arsenic: GWC-16R and GWC-22R
- Barium: GWA-37 and GWA-55R (both upgradient), and GWC-18
- Beryllium: GWA-53 (upgradient)
- Cobalt: GWA-38 (upgradient) and GWC-22R
- Lead: GWA-53R (upgradient)
- Nickel: GWA-38 (upgradient) and GWC-16R

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data sets are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects an occurring shift unrelated to practices at the site. In the case of antimony at downgradient well GWC-16R and barium in upgradient well GWA-56, while the more recent medians were slightly higher than the background medians, recent concentrations were similar to those reported historically. Additionally, well GWA-56 reflects groundwater quality upgradient of the facility.

For the cases identified by the Mann-Whitney with statistically significant lower medians in more recent data compared to the historical medians, the more recent concentrations were also similar to those reported historically or resulted from more recent trace measurements compared to historical non-detect measurements.

Therefore, all records were updated through July/August 2021. Additionally, the previously truncated records, which continue to use the more recent portion of data, were updated with newer data through July/August 2021. The Mann-Whitney test results were included with the background update. All records for Appendix I constituents will be re-evaluated during the next background update.

Summary of Background Update CCR Appendix III Constituents – Conducted in April 2022

Outlier Analysis

Background data sets were last updated in March 2020 and a summary of the findings was submitted at that time. All Appendix III data were re-evaluated during the April 2022 analysis for the purpose of updating background data sets through August 2021.

Tukey's test and visual screening was used to screen data through August 2021 at all wells for chloride, pH, sulfate and TDS which are evaluated using intrawell prediction limits, and at pooled upgradient wells through January 2022 for boron, calcium, and fluoride which are evaluated using interwell prediction limits.

All previously identified outliers were confirmed and, although Tukey's test noted several new potential outliers, only the highest measurements for sulfate in downgradient wells GWC-17R and GWC-21R were flagged to construct statistical limits that are conservative (i.e., lower) from a regulatory perspective.

All remaining values identified by Tukey's test appeared to be representative of variation in groundwater quality. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. The Appendix III outliers are included in the outlier summary following this letter (Figure C).

Mann-Whitney

For Appendix III constituents requiring intrawell prediction limits (chloride, pH, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through September 2019 to the new compliance samples at each well through August 2021. When the medians of the two groups are not statistically significantly different at the 99% confidence level, background data sets are updated to include the newer compliance data.

The results of the Mann-Whitney test showed statistically significant differences for the following well/constituent pairs:

Increasing:

- None

Decreasing:

- Chloride: GWA-51RZ, GWA-53, GWA-53R (all upgradient), and GWC-16R, GWC-17R, GWC-22R, and GWC-25R
- pH: GWC-22R
- Sulfate: GWA-53, GWA-53R, GWA-54 (all upgradient), and GWC-18R, and GWC-22R
- TDS: GWC-17R

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects practices unrelated to the site. The cases identified with statistically significant Mann-Whitney results, however, were updated because while the newer data had lower medians, the reported concentrations were similar to those reported historically.

Therefore, all records for chloride, pH, sulfate, and TDS were updated through July/August 2021 for construction of intrawell prediction limits. Data sets will be re-evaluated during the next background update.

Trend Tests

For boron, calcium, and fluoride, which are evaluated using interwell prediction limits, the Sen's Slope/Mann-Kendall trend test was used to evaluate data in upgradient wells to determine whether concentrations are statistically significantly increasing, decreasing or stable over time. Statistically significant trends were noted in upgradient wells for the following:

Increasing

- Calcium: GWA-51RZ and GWA-55
- Fluoride: GWA-36RA and GWA-55

Decreasing

- Calcium: GWA-37

The increasing trends for fluoride in wells GWA-36RA and GWA-55 are an artifact of laboratory censoring at a higher level than detected values early in the record. For calcium at upgradient wells GWA-51RZ and GWA-55, the reported concentrations are similar to those in background and both wells exhibit similar patterns and concentrations which represents groundwater quality upgradient of the site. Therefore, no adjustments were required for these records.

The statistically significant decreasing trend noted for calcium in well GWA-37 was of short duration and relatively low in magnitude with concentrations similar to those in neighboring upgradient wells. Therefore, no adjustment was required for this record.

All well/constituent pairs were updated using all available data from upgradient wells through January 2022. Interwell prediction limits pool upgradient well data to establish background limits for boron, calcium, and fluoride and will be used to evaluate future semi-annual compliance samples at each downgradient well.

Evaluation of Georgia EPD Appendix I Constituents – August 2023

Intrawell limits constructed from screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of variation rather than impacts of the landfill.

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through July/August 2021, except for the cases mentioned above, within each well with detections (Figure D). As mentioned above, upgradient wells GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56 were abandoned and not sampled during this sample event.

As discussed earlier, the most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. Regarding beryllium, prediction limits were set at or near the reporting limit of 0.003 mg/L. No statistical exceedances resulted as compliance data were either reported trace values (i.e., estimated measurements less than the reporting limit) or non-detects.

For some well/constituent pairs containing <15% non-detects, such as zinc at upgradient well GWA-36RA parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

The August 2023 data from each well were compared to these intrawell background limits. No statistical analyses were included for well/constituent pairs with 100% non-detects and a list of these well/constituent pairs follows this report.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e., impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary of the Georgia EPD Appendix I prediction limits follows this report. Exceedances were identified for the following well/constituent pairs:

- Antimony: GWC-17R
- Barium: GWC-23R
- Chromium: GWC-21R

Two-Step Analysis

Following the two-step analysis as described above, interwell prediction limits were constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances among downgradient wells (Figure E). No exceedances were identified.

Trend Tests

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable at the 99% confidence level (Figure F). Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of variability in groundwater unrelated to practices at the site. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Barium: GWA-36RA and GWA-56 (both upgradient)

Decreasing

- Antimony: GWA-37 (upgradient)
- Barium: GWA-37, GWA-38, GWA-52, GWA-53, and GWA-55R (all upgradient)

Evaluation of Appendix III Parameters – August 2023

Intrawell Prediction Limits

For chloride, pH, sulfate, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through July/August 2021 (Figure G). The August 2023 sample from each well was compared to its respective background limit to determine whether exceedances over background are present. Apparent intrawell prediction limit exceedances were identified for the following well/constituent pairs:

- Chloride: GWA-38 (upgradient)
- pH (lower limit): GWA-36RA, GWA-37, and GWA-38 (all upgradient),
GWC-16R, GWC-17R, GWC-18R, GWC-19R, GWC-20R,
GWC-21R, GWC-22R, and GWC-23R
- Sulfate: GWC-25R
- TDS: GWC-23R

An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

Two-Step Analysis

Following the two-step analysis as described above, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances among downgradient wells (Figure H). An exceedance was noted for the following well/constituent pair:

- TDS: GWC-23R

Interwell Prediction Limits

For boron, calcium, and fluoride, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all pooled upgradient well data through February 2023 (Figure I). Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent. As mentioned above, abandoned wells GWA-36, GWA-51RZ, GWA-52, GWA-53, GWA-53R, GWA-54, GWA-55, GWA-55R, and GWA-56 were not sampled, but historic data were used to construct statistical limits.

Upgradient well data were reassessed for potential outliers during this analysis. When values in background are flagged as outliers, the measurements may be seen in a lighter font and as a disconnected symbol on the graphs. No additional values were flagged as outliers at any of the upgradient wells for Appendix III constituents.

The February 2023 sample from each downgradient well was compared to the background limits to determine whether exceedances over background are present. The following interwell prediction limits exceedances were noted:

- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R

Trend Tests

Data from downgradient well/constituent pairs found to exceed their respective prediction limit for both intrawell and interwell methods were further evaluated using the Sen's Slope/Mann Kendall trend test at the 99% confidence level along with upgradient wells for the same constituents (Figure J). Complete graphical results of the trend tests follow this letter. Statistically significant trends were identified for the following well/constituent pairs:

Increasing

- Calcium: GWA-51RZ, GWA-55, GWA-55R (all upgradient), GWC-16R and GWC-23R
- Sulfate: GWA-51RZ (upgradient), GWC-21R, and GWC-23R
- TDS: GWA-55, GWA-55R (both upgradient), and GWC-23R

Decreasing

- Calcium: GWA-37 (upgradient)
- pH: GWA-36, GWA-36RA, GWA-37, and GWA-54 (all upgradient)
- Sulfate: GWA-36, GWA-53, GWA-53R, and GWA-54 (all upgradient)

Summary

Based on the results of the Appendix I and III constituents evaluated using intrawell prediction limits, interwell prediction limits were constructed to further evaluate apparent intrawell exceedances according to the Two-Step Approach. The following interwell prediction limit exceedances were identified for the August 2023 samples:

Appendix I

- None

Appendix III

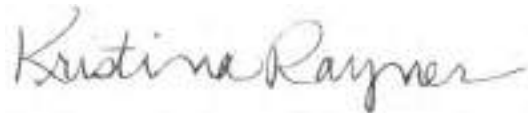
- Calcium: GWC-16R, GWC-17R, GWC-21R, and GWC-23R
- TDS: GWC-23R

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill at Cells 3 & 4. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

100% Non-Detects: Appendix I

Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Antimony (mg/L)

GWA-38, GWC-19R, GWC-22R

Beryllium (mg/L)

GWC-16R, GWC-17R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Cadmium (mg/L)

GWC-16R, GWC-17R, GWC-18R, GWC-19R, GWC-20R, GWC-23R, GWC-24R

Cobalt (mg/L)

GWC-17R, GWC-19R, GWC-20R, GWC-24R

Lead (mg/L)

GWC-20R

Nickel (mg/L)

GWC-17R, GWC-18R, GWC-20R

Selenium (mg/L)

GWA-36RA, GWA-37, GWA-38, GWC-16R, GWC-17R, GWC-18, GWC-18R, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-24R, GWC-25R

Silver (mg/L)

GWA-36RA, GWA-37, GWC-18, GWC-19R, GWC-20R, GWC-21R, GWC-22R, GWC-23R, GWC-24R, GWC-25R

Thallium (mg/L)

GWA-37, GWA-38, GWC-17R, GWC-18R, GWC-19R, GWC-24R, GWC-25R

Vanadium (mg/L)

GWC-25R

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-17R	0.003	n/a	8/3/2023	0.0033	Yes	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	8/3/2023	0.042	Yes	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	8/4/2023	0.0067	Yes	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36RA	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.004519	n/a	8/2/2023	0.0018J	No	26	0.00223	0.0009357	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-16R	0.02603	n/a	8/4/2023	0.012	No	26	0.07942	0.03348	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	8/3/2023	0.0033	Yes	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	8/4/2023	0.003ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.008799	n/a	8/4/2023	0.003	No	26	0.06001	0.01382	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.003ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	8/3/2023	0.003ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	25	n/a	n/a	56	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0053	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.0071	n/a	8/4/2023	0.005ND	No	25	n/a	n/a	52	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.006	n/a	8/3/2023	0.0049J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36RA	0.03814	n/a	8/3/2023	0.033	No	26	0.0232	0.00611	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.01361	n/a	8/2/2023	0.0038J	No	26	0.007654	0.002436	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.0171	n/a	8/2/2023	0.011	No	25	0.1121	0.007602	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.07407	n/a	8/4/2023	0.034	No	26	0.04775	0.01076	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02164	n/a	8/3/2023	0.019	No	25	0.01957	0.0008404	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04773	n/a	8/3/2023	0.012	No	25	0.02719	0.008349	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.01679	n/a	8/4/2023	0.013	No	23	4.1e-8	1.5e-8	4.348	None	x^4	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01836	n/a	8/4/2023	0.014	No	25	0.01594	0.0009874	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03538	n/a	8/3/2023	0.035	No	26	0.02974	0.002305	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.04026	n/a	8/4/2023	0.025	No	26	0.02498	0.006248	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-22R	0.06902	n/a	8/3/2023	0.033	No	26	0.03979	0.01195	3.846	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	8/3/2023	0.042	Yes	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03243	n/a	8/3/2023	0.017	No	25	0.02258	0.004006	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.018	n/a	8/3/2023	0.014	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36RA	0.0032	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	42.31	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	8/2/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	8/2/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	8/4/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	8/4/2023	0.003ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36RA	0.0006434	n/a	8/3/2023	0.0005ND	No	26	-8.6	0.5115	30.77	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-37	0.0005	n/a	8/2/2023	0.0005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0005	n/a	8/2/2023	0.0005ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	8/3/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0005	n/a	8/4/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0005	n/a	8/3/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0005	n/a	8/3/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.005	n/a	8/2/2023	0.005ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.005	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	19.23	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.00595	n/a	8/3/2023	0.0012J	No	24	0.002869	0.001242	12.5	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.008	n/a	8/4/2023	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2

Appendix I IntraWell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	8/4/2023	0.0067	Yes	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.003071	n/a	8/2/2023	0.001J	No	22	0.001593	0.0005858	0	None	No	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	23.08	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	8/3/2023	0.00047J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.00047J	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.0231	n/a	8/2/2023	0.014	No	16	0.01075	0.004559	6.25	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.005	n/a	8/2/2023	0.005ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.004119	n/a	8/4/2023	0.005ND	No	21	0.04187	0.008771	19.05	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWC-17R	0.0124	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.01	n/a	8/4/2023	0.0016J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36RA	0.001	n/a	8/3/2023	0.001ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.001	n/a	8/2/2023	0.001ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0047	n/a	8/2/2023	0.001ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.001	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.001	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.001	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.0016	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36RA	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0002	n/a	8/2/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0002	n/a	8/2/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36RA	0.01	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02736	n/a	8/2/2023	0.013	No	21	0.01298	0.005654	4.762	None	No	0.0002993	Param Intra 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-38	0.01241	n/a	8/2/2023	0.0009J	No	21	-6.322	0.7598	23.81	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-16R	0.02679	n/a	8/4/2023	0.0091	No	17	0.01134	0.005781	5.882	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	8/4/2023	0.00098J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.0011J	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.005	n/a	8/2/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36RA	0.001	n/a	8/3/2023	0.001ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.001104	n/a	8/4/2023	0.001ND	No	26	0.01531	0.007327	26.92	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	8/4/2023	0.00022J	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	8/3/2023	0.001ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36RA	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	8/2/2023	0.01ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	8/2/2023	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36RA	0.2188	n/a	8/3/2023	0.02ND	No	20	0.2304	0.09255	5	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01868	n/a	8/2/2023	0.02ND	No	21	0.08422	0.02062	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.02	n/a	8/2/2023	0.02ND	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.1436	n/a	8/4/2023	0.036	No	21	0.2147	0.06456	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	8/4/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	8/4/2023	0.02ND	No	21	n/a	n/a	42.86	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	8/3/2023	0.02ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.045	n/a	8/4/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-17R	0.0052	n/a	8/3/2023	0.0033	No	342	n/a	n/a	79.24	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWC-23R	0.071	n/a	8/3/2023	0.042	No	342	n/a	n/a	2.047	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Chromium (mg/L)	GWC-21R	0.02	n/a	8/4/2023	0.0067	No	339	n/a	n/a	66.37	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Appendix I Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/22/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-37 (bg)	-0.0001555	-186	-146	Yes	30	33.33	n/a	0.01	NP
Barium (mg/L)	GWA-36RA (bg)	0.001675	174	146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-37 (bg)	-0.0005378	-220	-146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-38 (bg)	-0.0002648	-140	-139	Yes	29	0	n/a	0.01	NP
Barium (mg/L)	GWA-52 (bg)	-0.002386	-193	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-53 (bg)	-0.001855	-249	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-55R (bg)	-0.004851	-221	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-56 (bg)	0.002669	238	131	Yes	28	3.571	n/a	0.01	NP

Appendix I Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/22/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-36RA (bg)	0	-43	-146	No	30	93.33	n/a	0.01	NP
Antimony (mg/L)	GWA-37 (bg)	-0.0001555	-186	-146	Yes	30	33.33	n/a	0.01	NP
Antimony (mg/L)	GWA-38 (bg)	0	0	146	No	30	100	n/a	0.01	NP
Antimony (mg/L)	GWA-51RZ (bg)	0	-78	-124	No	27	62.96	n/a	0.01	NP
Antimony (mg/L)	GWA-52 (bg)	0	-23	-131	No	28	96.43	n/a	0.01	NP
Antimony (mg/L)	GWA-53 (bg)	0	-60	-131	No	28	71.43	n/a	0.01	NP
Antimony (mg/L)	GWA-53R (bg)	0	-90	-131	No	28	50	n/a	0.01	NP
Antimony (mg/L)	GWA-54 (bg)	0	-52	-131	No	28	85.71	n/a	0.01	NP
Antimony (mg/L)	GWA-55 (bg)	0	-9	-131	No	28	92.86	n/a	0.01	NP
Antimony (mg/L)	GWA-55R (bg)	0	-6	-131	No	28	85.71	n/a	0.01	NP
Antimony (mg/L)	GWA-56 (bg)	0	-1	-131	No	28	96.43	n/a	0.01	NP
Antimony (mg/L)	GWC-17R	0	42	146	No	30	90	n/a	0.01	NP
Barium (mg/L)	GWA-36RA (bg)	0.001675	174	146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-37 (bg)	-0.0005378	-220	-146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-38 (bg)	-0.0002648	-140	-139	Yes	29	0	n/a	0.01	NP
Barium (mg/L)	GWA-51RZ (bg)	0.001487	92	131	No	28	0	n/a	0.01	NP
Barium (mg/L)	GWA-52 (bg)	-0.002386	-193	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-53 (bg)	-0.001855	-249	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-53R (bg)	0	51	131	No	28	0	n/a	0.01	NP
Barium (mg/L)	GWA-54 (bg)	-0.0004323	-42	-131	No	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-55 (bg)	-0.0002675	-33	-131	No	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-55R (bg)	-0.004851	-221	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-56 (bg)	0.002669	238	131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWC-23R	-0.0001476	-13	-146	No	30	0	n/a	0.01	NP
Chromium (mg/L)	GWA-36RA (bg)	0	33	146	No	30	66.67	n/a	0.01	NP
Chromium (mg/L)	GWA-37 (bg)	0	71	139	No	29	86.21	n/a	0.01	NP
Chromium (mg/L)	GWA-38 (bg)	-0.00004312	-53	-146	No	30	23.33	n/a	0.01	NP
Chromium (mg/L)	GWA-51RZ (bg)	0	-101	-111	No	25	72	n/a	0.01	NP
Chromium (mg/L)	GWA-52 (bg)	-0.00003216	-120	-131	No	28	50	n/a	0.01	NP
Chromium (mg/L)	GWA-53 (bg)	0	-59	-131	No	28	75	n/a	0.01	NP
Chromium (mg/L)	GWA-53R (bg)	0	-69	-131	No	28	78.57	n/a	0.01	NP
Chromium (mg/L)	GWA-54 (bg)	0	-3	-131	No	28	32.14	n/a	0.01	NP
Chromium (mg/L)	GWA-55 (bg)	0	-95	-131	No	28	67.86	n/a	0.01	NP
Chromium (mg/L)	GWA-55R (bg)	0	-9	-131	No	28	82.14	n/a	0.01	NP
Chromium (mg/L)	GWA-56 (bg)	0	-53	-131	No	28	82.14	n/a	0.01	NP
Chromium (mg/L)	GWC-21R	0	37	146	No	30	56.67	n/a	0.01	NP

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 8:49 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-38	3.398	n/a	8/2/2023	3.4	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	8/3/2023	6.835	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	8/2/2023	4.69	Yes	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	8/2/2023	4.41	Yes	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	8/4/2023	6.745	Yes	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	8/3/2023	6.97	Yes	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	8/4/2023	7.39	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	8/4/2023	7.2	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	8/3/2023	7.27	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	8/4/2023	6.73	Yes	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	8/3/2023	6.62	Yes	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	8/3/2023	6.74	Yes	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	8/3/2023	2.2	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	8/3/2023	536	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2

Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 8:49 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36RA	3.641	n/a	8/3/2023	2.5	No	17	2.93	0.2972	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.427	n/a	8/2/2023	1	No	17	0.977	0.1882	5.882	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.398	n/a	8/2/2023	3.4	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.97	n/a	8/4/2023	1.1	No	17	1.716	0.5242	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	8.196	n/a	8/3/2023	4.2	No	17	5.841	0.9845	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.662	n/a	8/3/2023	1.9	No	17	1.472	0.06659	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	8/4/2023	2.2	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	2.953	n/a	8/4/2023	2.3	No	17	2.441	0.214	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.542	n/a	8/3/2023	1.5	No	17	1.768	0.3233	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.542	n/a	8/4/2023	3.1	No	17	4.188	0.5658	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.295	n/a	8/3/2023	2.3	No	17	2.728	0.2371	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-23R	2.864	n/a	8/3/2023	1.8	No	17	1.939	0.3865	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.25	n/a	8/3/2023	2.1	No	17	5.819	1.983	5.882	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.132	n/a	8/3/2023	2.3	No	17	2.594	0.225	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	8/3/2023	6.835	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	8/2/2023	4.69	Yes	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	8/2/2023	4.41	Yes	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	8/4/2023	6.745	Yes	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	8/3/2023	6.97	Yes	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.389	5.993	8/3/2023	6.19	No	17	2135	353.4	0	None	x^4	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	8/4/2023	7.39	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	8/4/2023	7.2	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	8/3/2023	7.27	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	8/4/2023	6.73	Yes	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	8/3/2023	6.62	Yes	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	8/3/2023	6.74	Yes	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	7.983	6.832	8/3/2023	7.02	No	17	7.408	0.2406	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.983	7.191	8/3/2023	7.26	No	17	7.587	0.1654	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	8/3/2023	4.2	No	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.121	n/a	8/2/2023	0.57J	No	17	0.6744	0.1865	29.41	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.638	n/a	8/2/2023	0.67J	No	17	1.136	0.6276	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	14.24	n/a	8/4/2023	6.1	No	17	7.264	2.917	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	8.894	n/a	8/3/2023	7	No	16	6.593	0.9504	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.57	n/a	8/3/2023	1.5	No	17	1.96	0.2549	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.835	n/a	8/4/2023	2.2	No	16	2.259	0.2378	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	8/4/2023	3.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.892	n/a	8/3/2023	1.4	No	17	1.893	0.7053	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	8/4/2023	5.8	No	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.913	n/a	8/3/2023	1.7	No	16	1.998	0.3782	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	124	n/a	8/3/2023	69.2	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-24R	11.3	n/a	8/3/2023	3	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	8/3/2023	2.2	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	8/3/2023	188	No	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	34.34	n/a	8/2/2023	25ND	No	15	17.84	6.664	33.33	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	107.8	n/a	8/2/2023	32	No	17	5.762	1.933	29.41	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	8/4/2023	306	No	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	390.6	n/a	8/3/2023	316	No	17	318.3	30.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	8/3/2023	82	No	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	183.1	n/a	8/4/2023	148	No	17	140.2	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	216.8	n/a	8/4/2023	163	No	17	166.3	21.11	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.5	n/a	8/3/2023	193	No	17	191.6	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	383.4	n/a	8/4/2023	298	No	17	85308	25795	0	None	x^2	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	8/3/2023	153	No	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	8/3/2023	536	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	8/3/2023	146	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	196.3	n/a	8/3/2023	170	No	17	24995	5655	0	None	x^2	0.0006839	Param Intra 1 of 2

Appendix III Interwell Prediction Limits - Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:02 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	8/3/2023	536	Yes	231	n/a	n/a	5.195	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:02 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-16R	8.34	4.41	8/4/2023	6.745	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-17R	8.34	4.41	8/3/2023	6.97	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-18R	8.34	4.41	8/4/2023	7.39	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-19R	8.34	4.41	8/4/2023	7.2	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-20R	8.34	4.41	8/3/2023	7.27	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-21R	8.34	4.41	8/4/2023	6.73	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-22R	8.34	4.41	8/3/2023	6.62	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-23R	8.34	4.41	8/3/2023	6.74	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	132.5	n/a	8/3/2023	2.2	No	235	n/a	n/a	3.83	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	8/3/2023	536	Yes	231	n/a	n/a	5.195	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:07 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	54.8	n/a	8/4/2023	69.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	8/4/2023	68.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:07 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	8/3/2023	0.014J	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	54.8	n/a	8/4/2023	69.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	54.8	n/a	8/3/2023	16.5	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18R	54.8	n/a	8/4/2023	31.8	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19R	54.8	n/a	8/4/2023	31.1	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20R	54.8	n/a	8/3/2023	41.9	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	8/4/2023	68.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22R	54.8	n/a	8/3/2023	33.6	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24R	54.8	n/a	8/3/2023	31.7	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25R	54.8	n/a	8/3/2023	34.3	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	8/4/2023	0.079J	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	8/4/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	8/4/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	8/4/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Appendix III Trend Tests Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:12 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-37 (bg)	-0.03511	-176	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	2.861	136	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.46	99	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.574	112	87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.06406	-113	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1173	-139	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-22R	-0.1088	-163	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-23R	-0.05053	-108	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-25R	0.06653	105	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	30.08	157	98	Yes	23	0	n/a	n/a	0.01	NP

Appendix III Trend Tests Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:12 AM

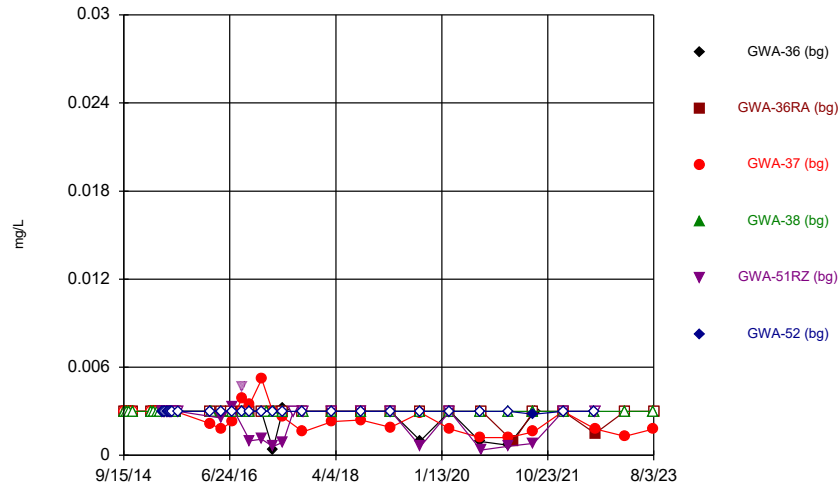
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.299	-55	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36RA (bg)	1.434	71	87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.03511	-176	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.01001	-4	-87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.3552	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	0.2237	38	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.4349	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2535	-50	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	0.6697	25	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	2.861	136	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-17R	0.4581	49	87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.46	99	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.574	112	87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.06406	-113	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1173	-139	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-38 (bg)	-0.08312	-86	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-51RZ (bg)	-0.01096	-9	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-52 (bg)	-0.02658	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53 (bg)	-0.02035	-69	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53R (bg)	-0.02694	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55 (bg)	-0.05556	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55R (bg)	-0.07241	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-56 (bg)	-0.03349	-38	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-16R	-0.0137	-38	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-17R	0	3	87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-18R	-0.02209	-78	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-19R	-0.006806	-38	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-20R	0.001747	4	92	No	22	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-21R	-0.02734	-58	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-22R	-0.1088	-163	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-23R	-0.05053	-108	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36RA (bg)	0.8772	78	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	0	15	87	No	21	33.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.1504	-80	-87	No	21	4.762	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	0.4686	24	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	2.654	49	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.646	62	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	-5.801	-45	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-25R	0.06653	105	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-5.809	-41	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36RA (bg)	6.929	70	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	1	74	No	19	36.84	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	-1.374	-69	-87	No	21	23.81	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	0.9489	9	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	1.996	24	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	3.456	36	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	0.8352	15	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	-1.665	-24	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	-2.005	-7	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	30.08	157	98	Yes	23	0	n/a	n/a	0.01	NP

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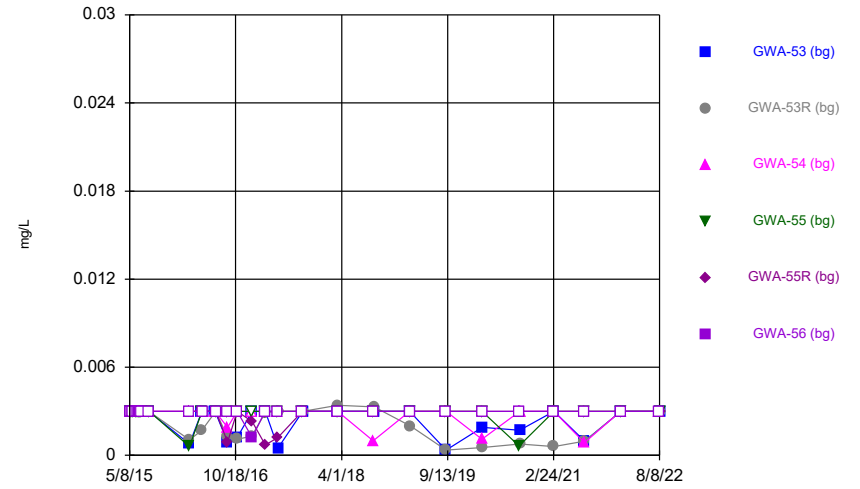
FIGURE A.

Time Series



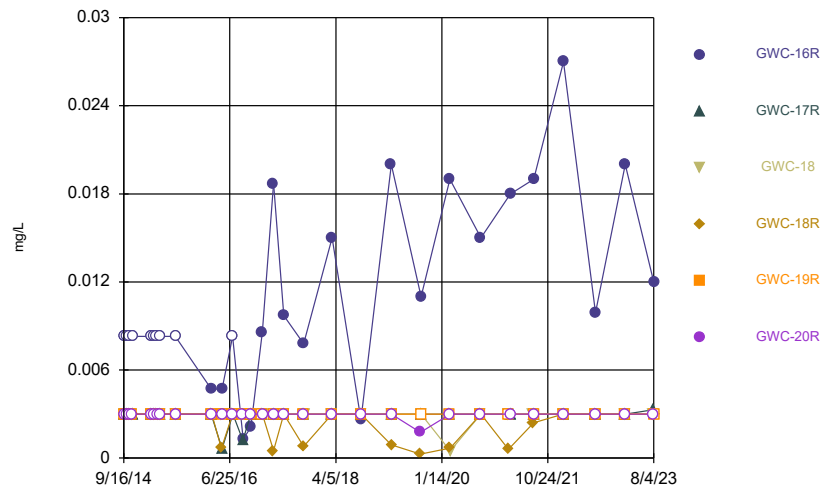
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



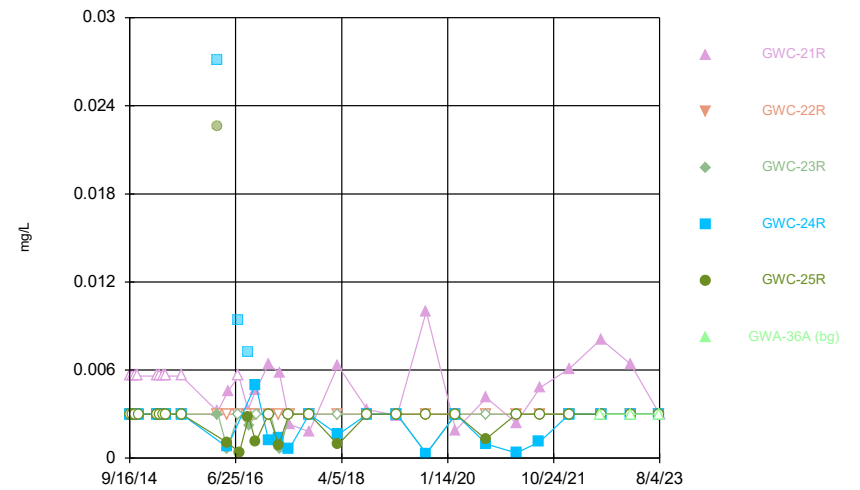
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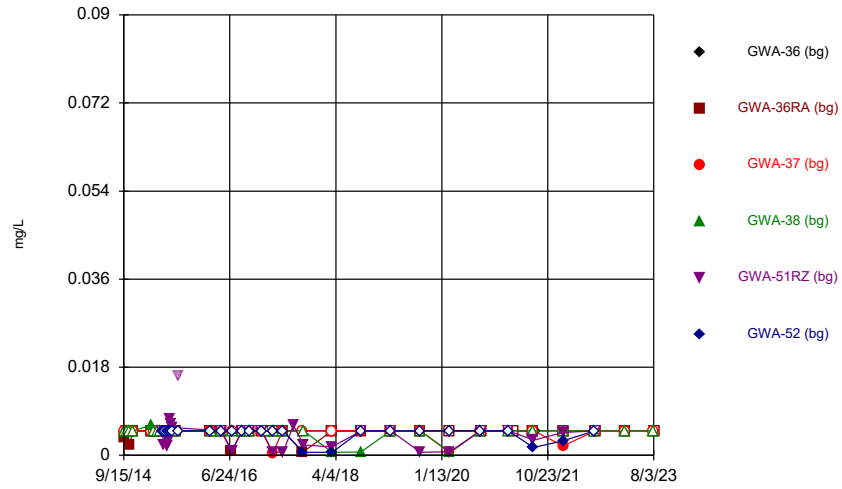
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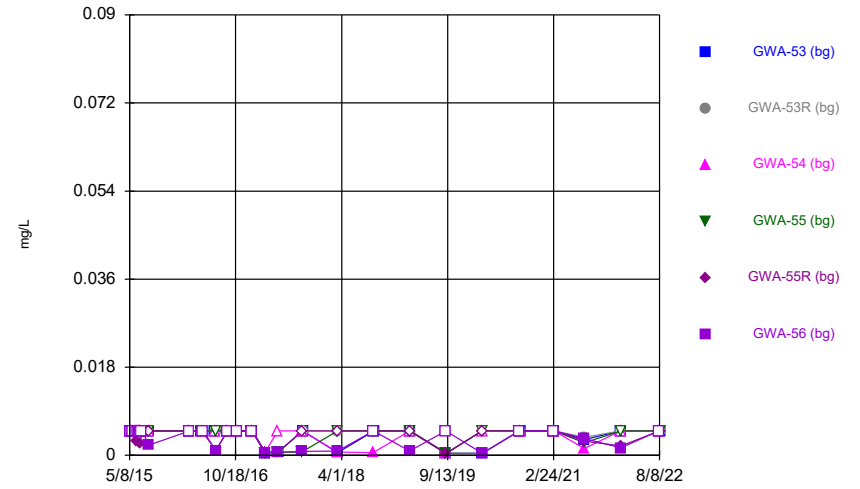
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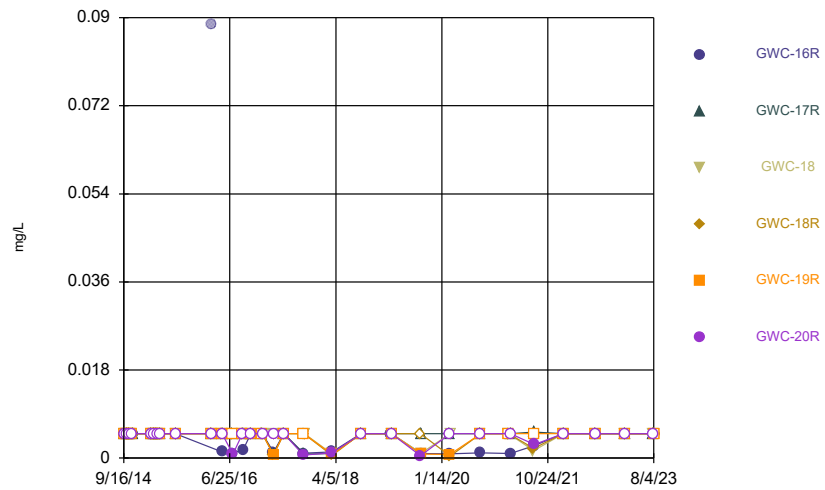
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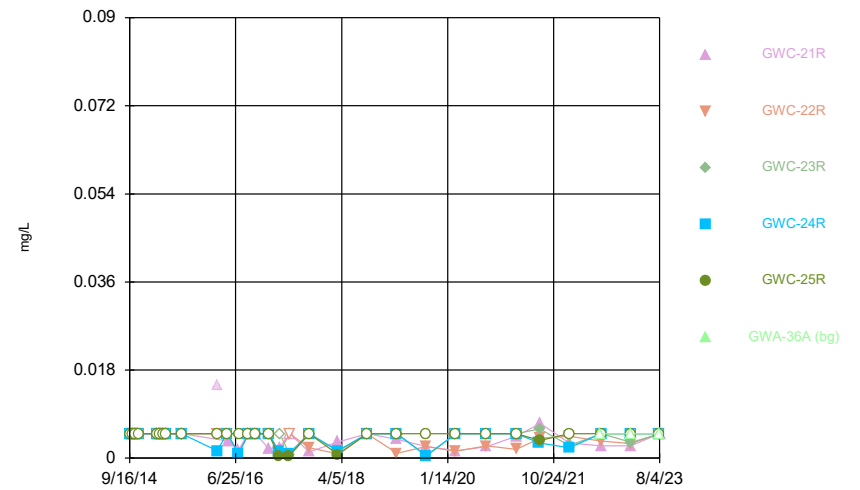
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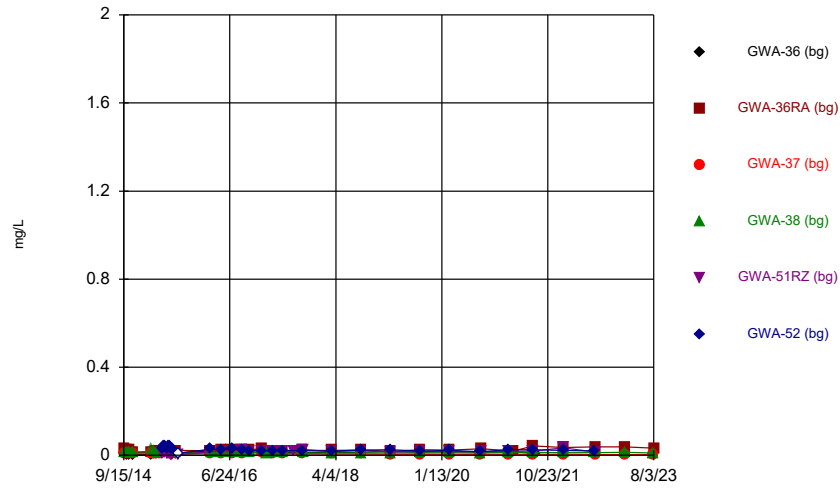
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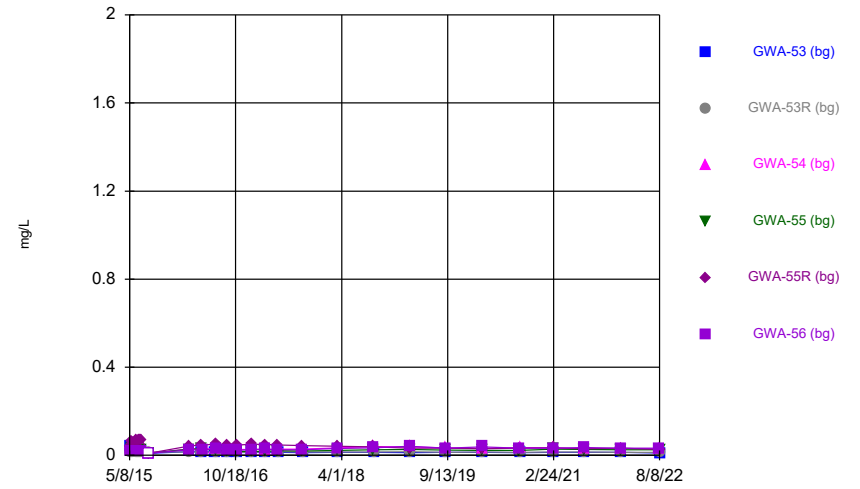
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Time Series



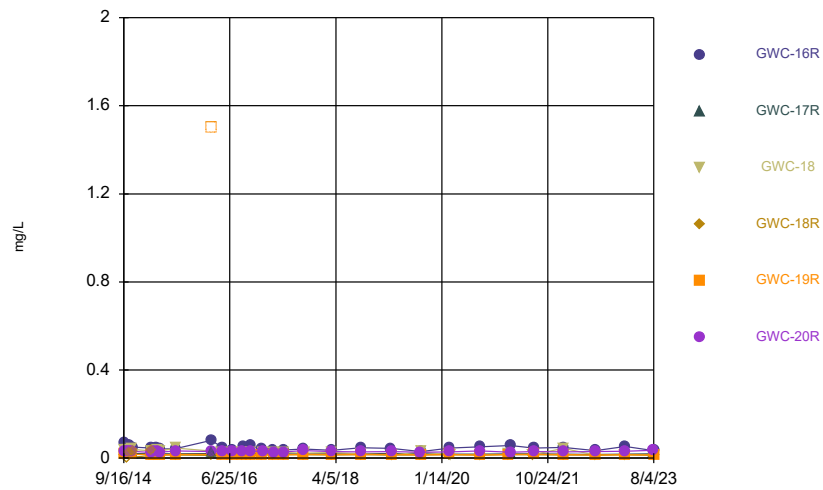
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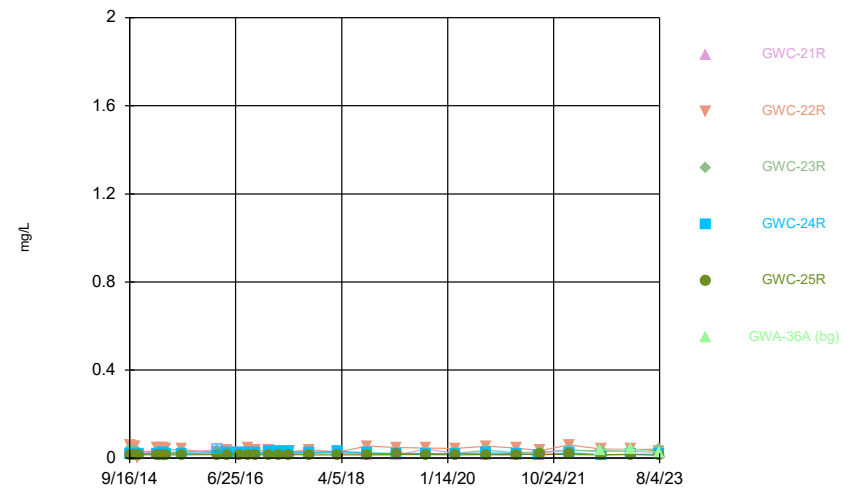
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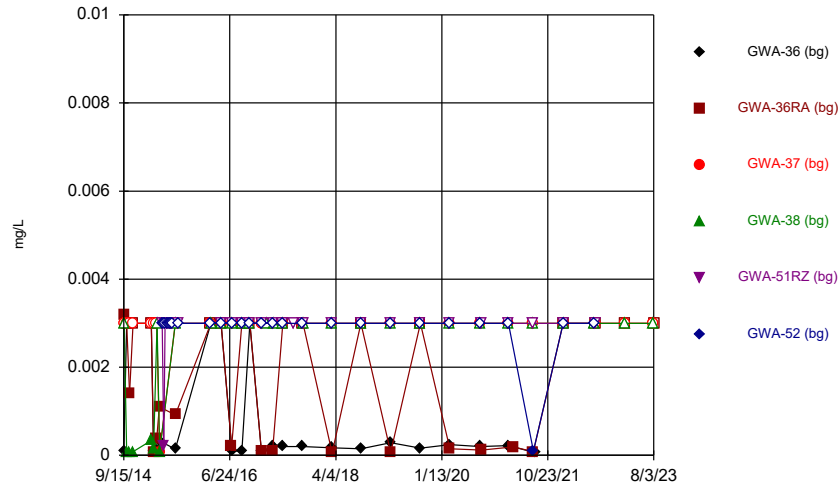
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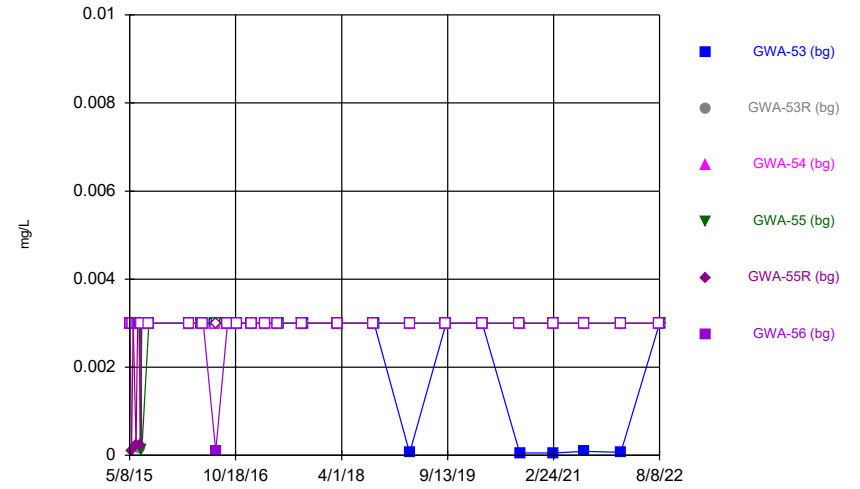
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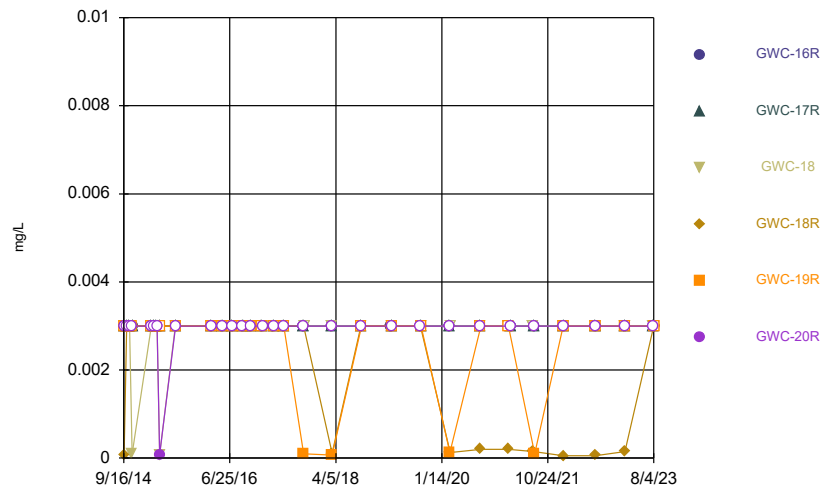
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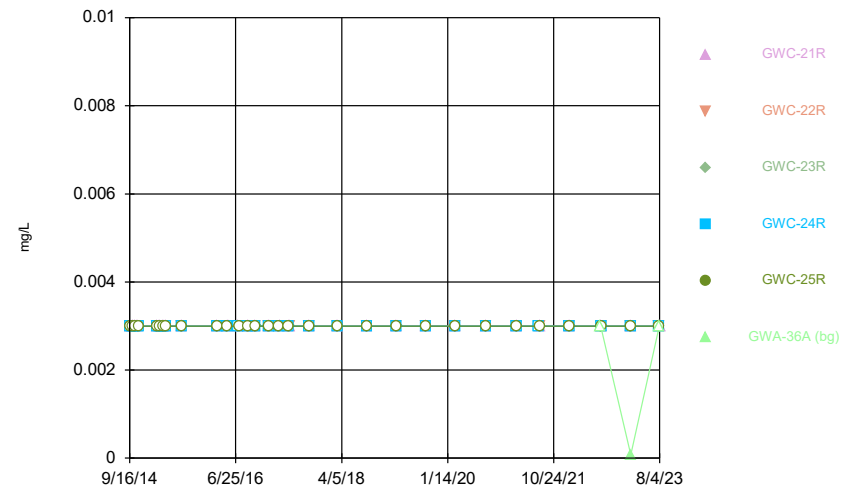
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



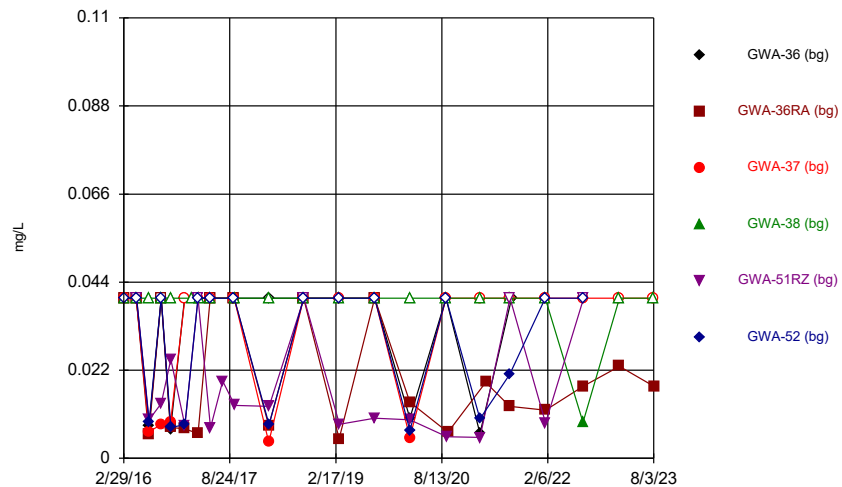
Constituent: Beryllium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



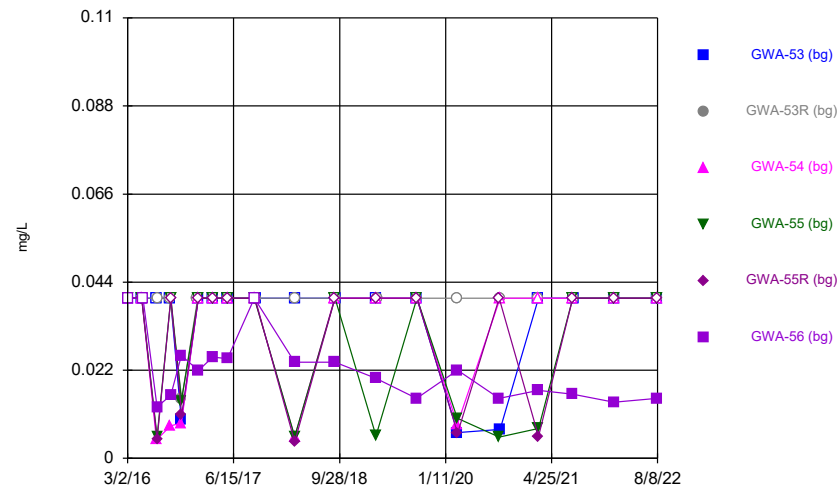
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



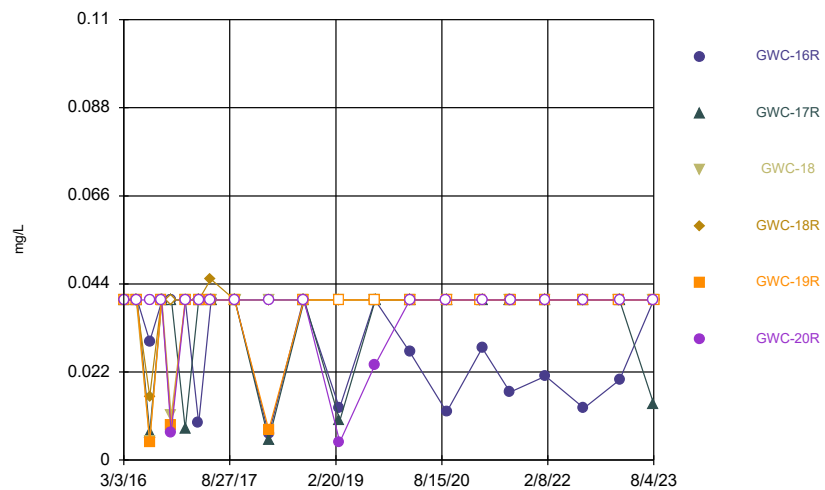
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



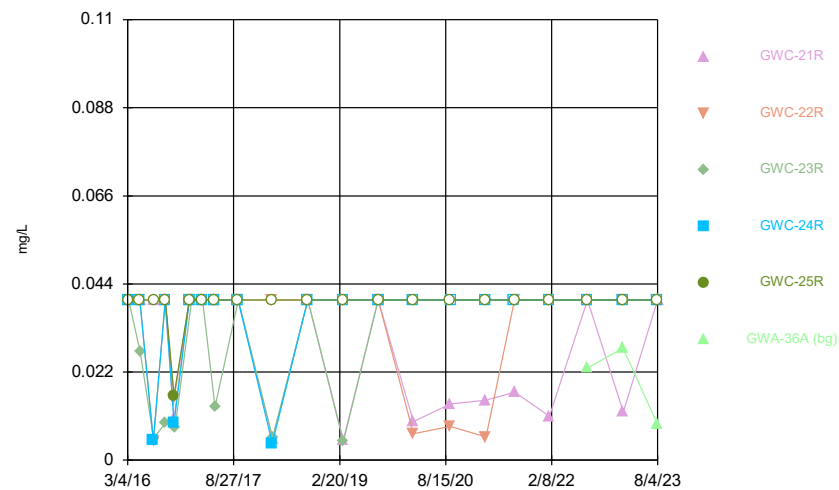
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



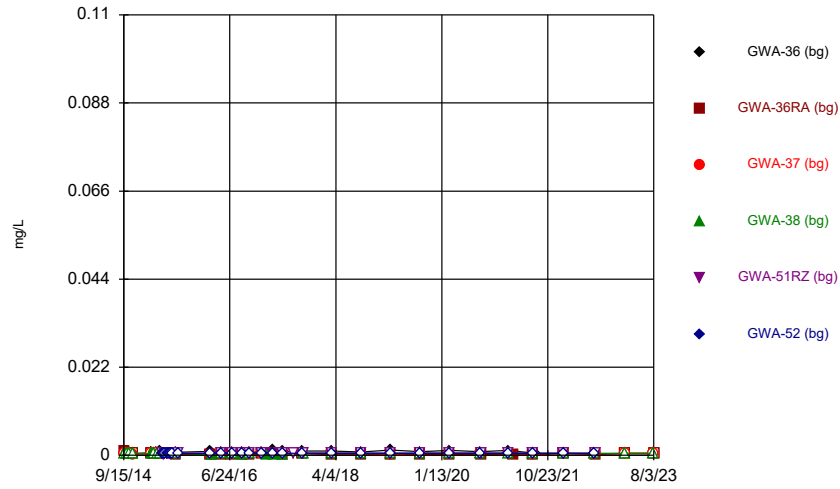
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



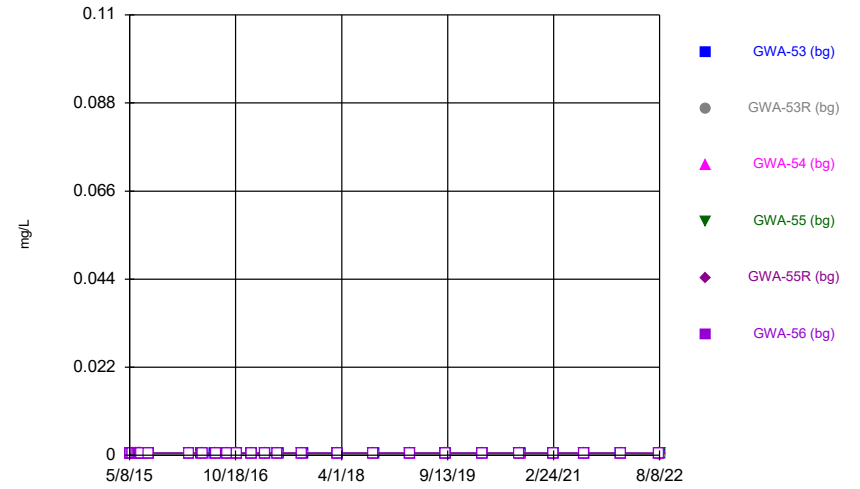
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



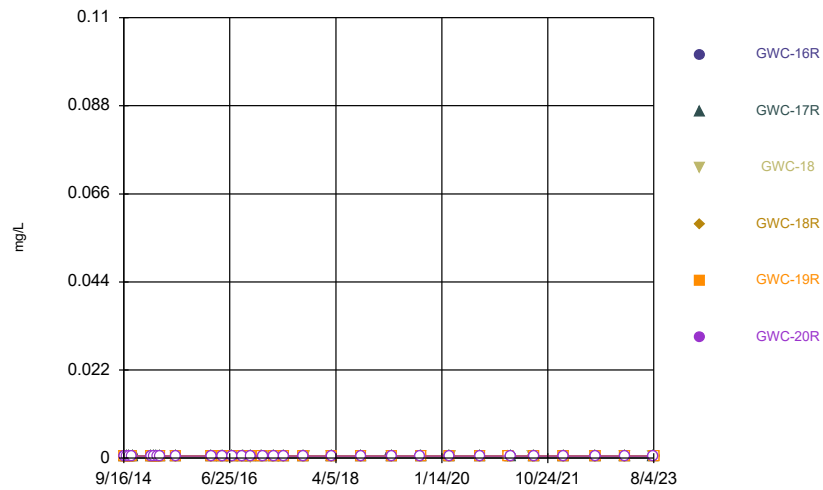
Constituent: Cadmium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



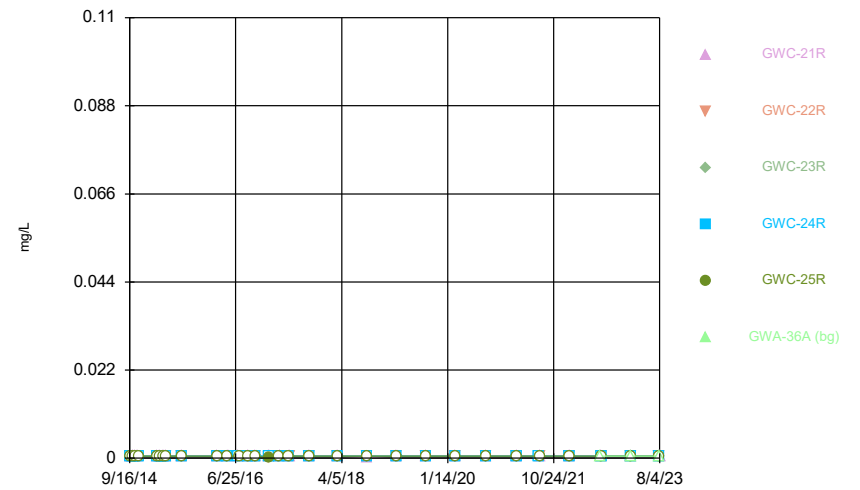
Constituent: Cadmium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



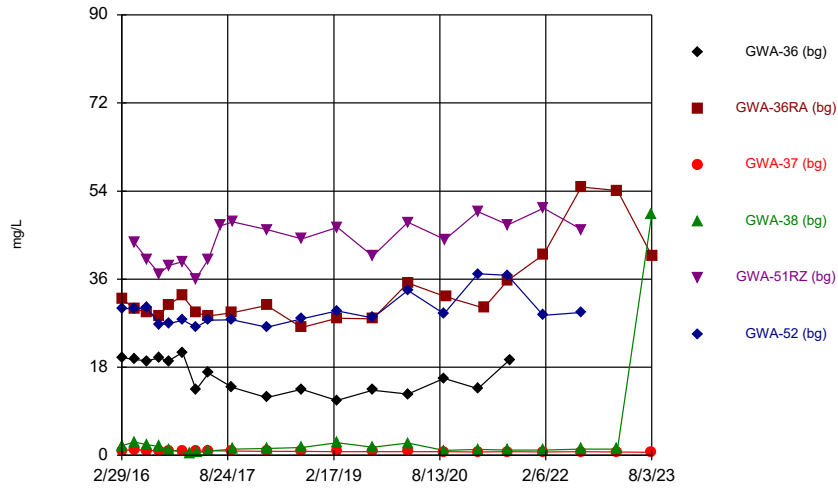
Constituent: Cadmium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



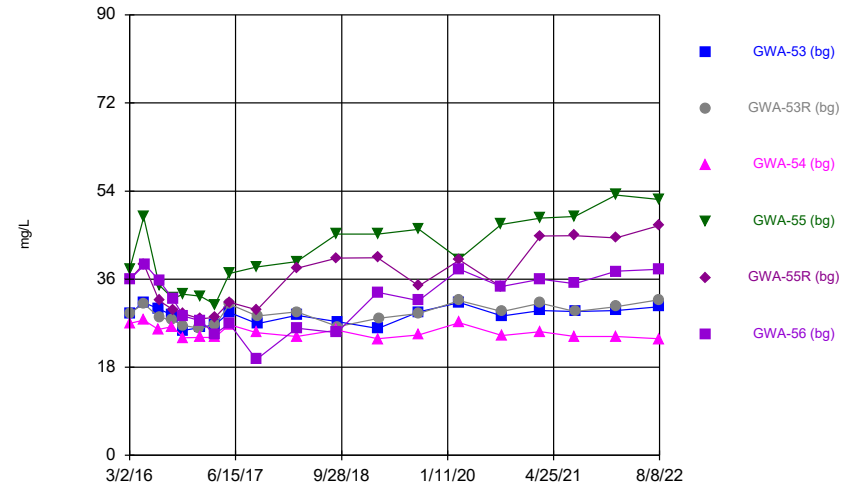
Constituent: Cadmium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



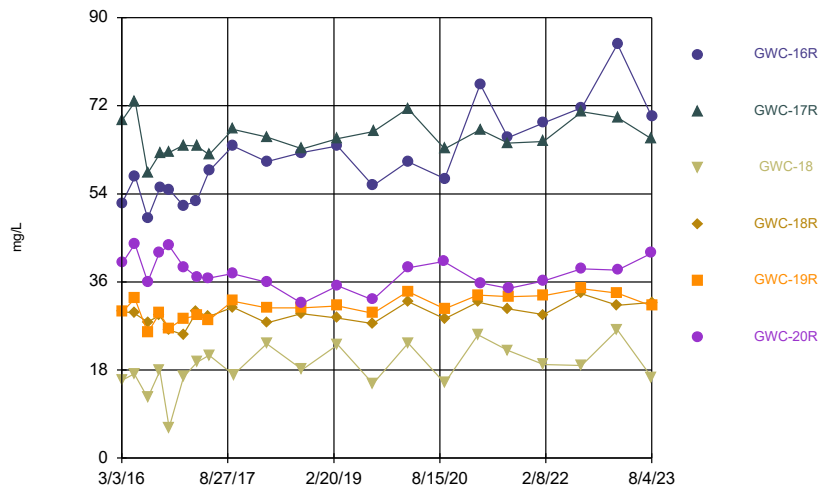
Constituent: Calcium Analysis Run 9/15/2023 8:17 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



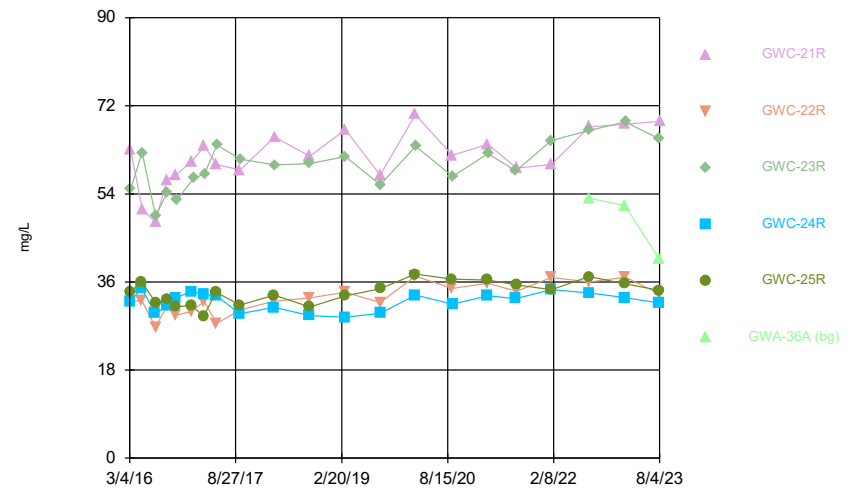
Constituent: Calcium Analysis Run 9/15/2023 8:17 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



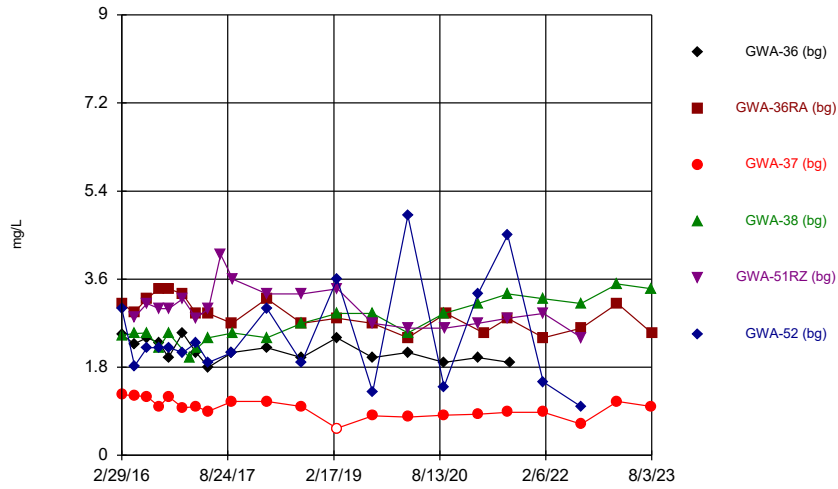
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



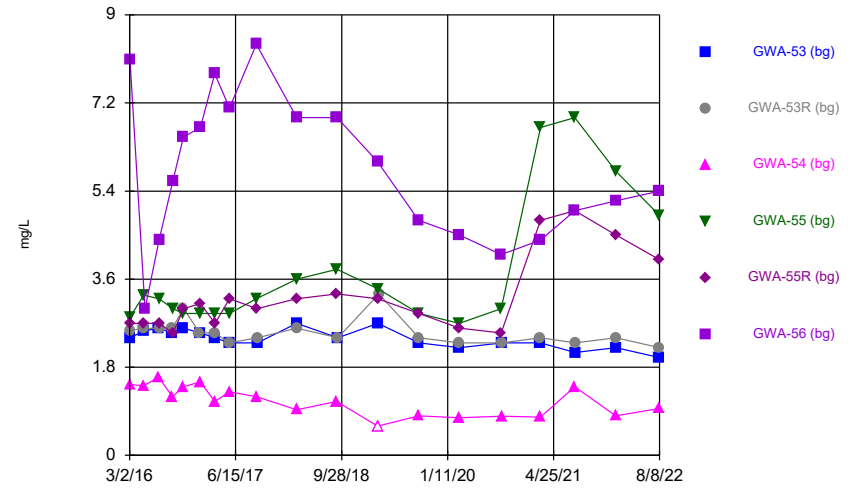
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



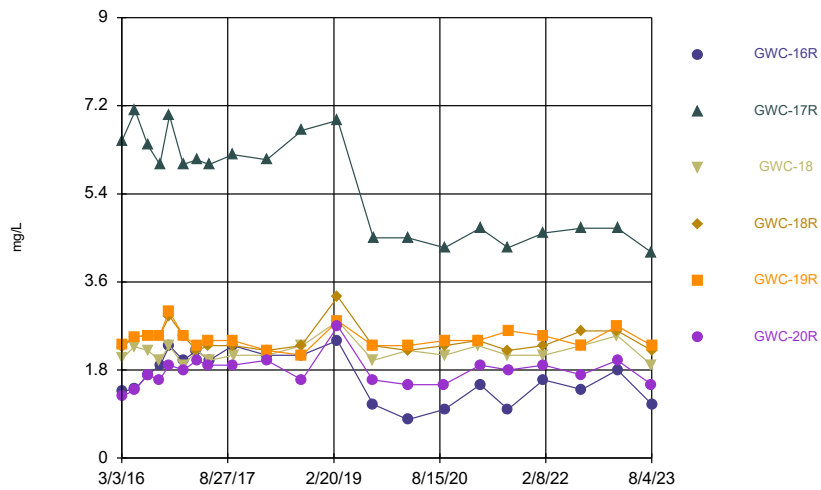
Constituent: Chloride Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



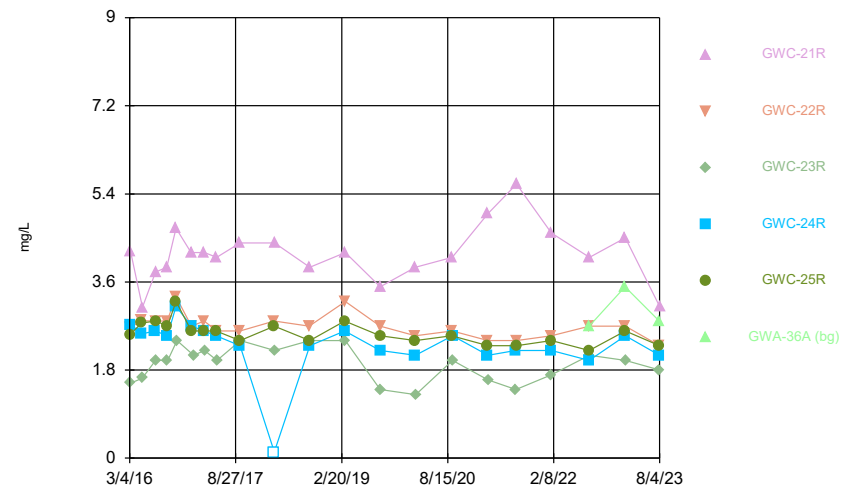
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



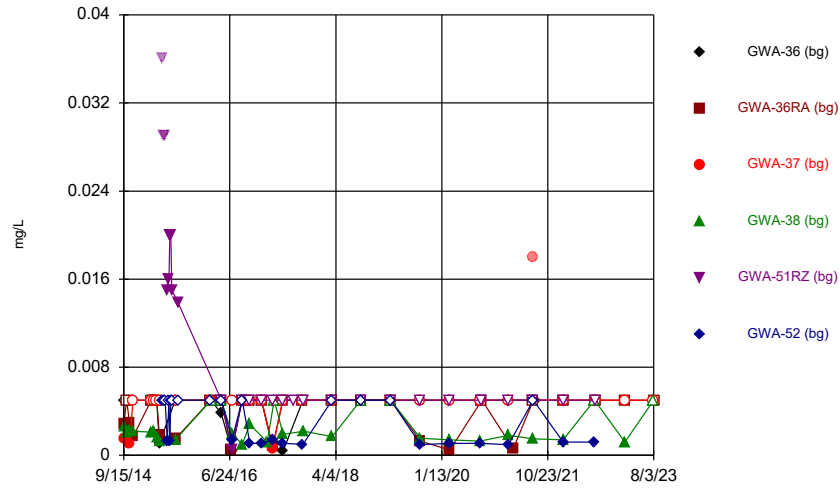
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



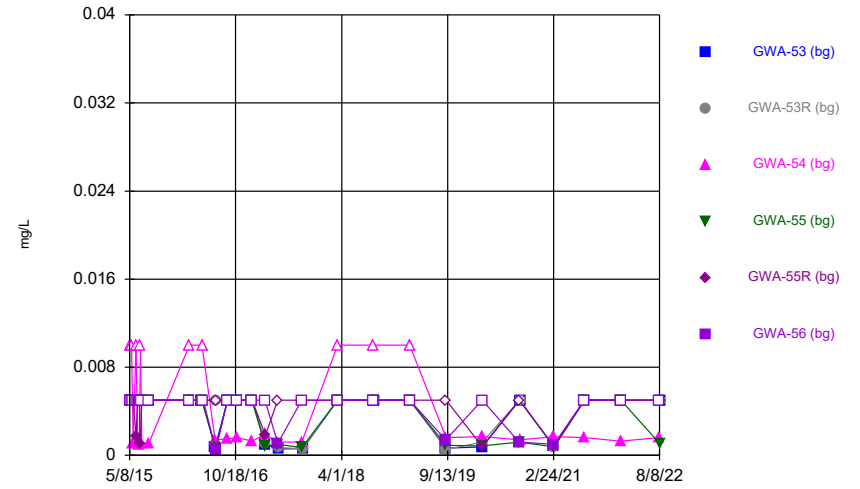
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



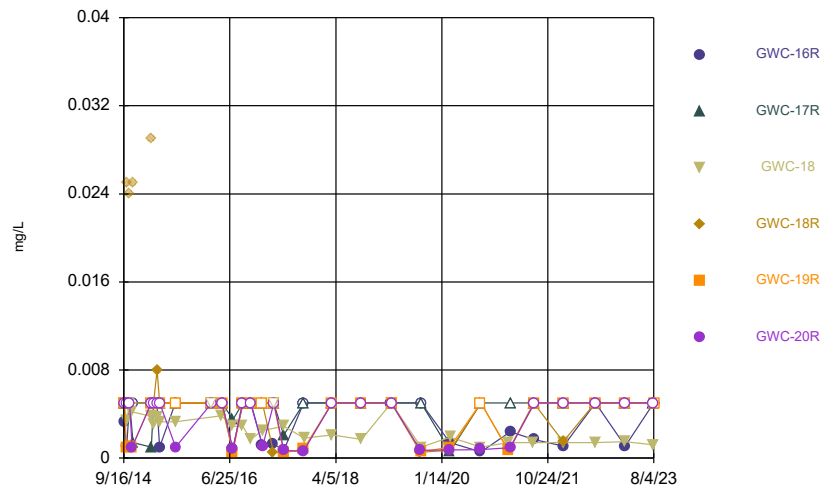
Constituent: Chromium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



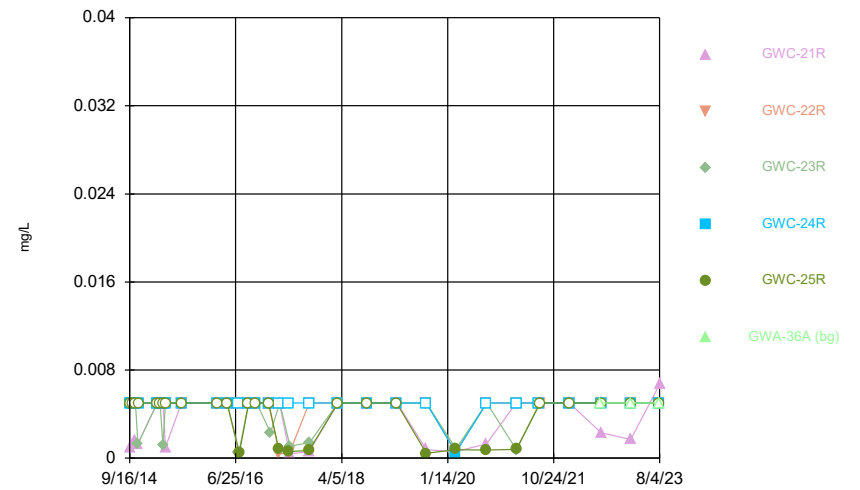
Constituent: Chromium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



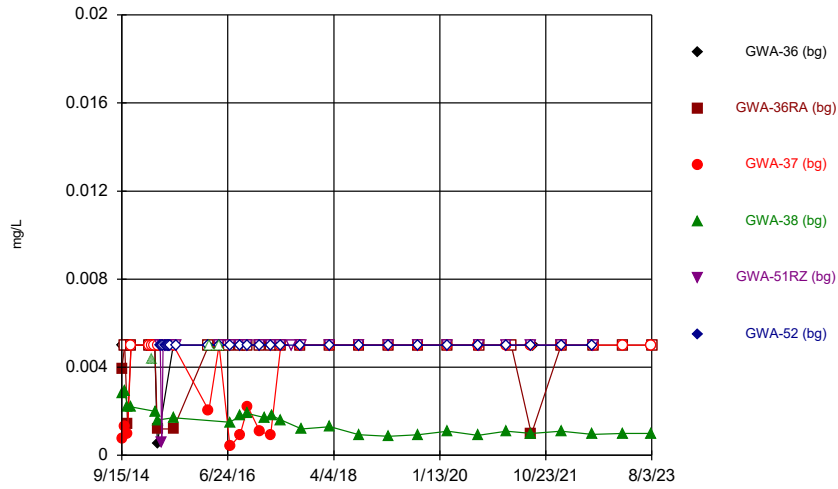
Constituent: Chromium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



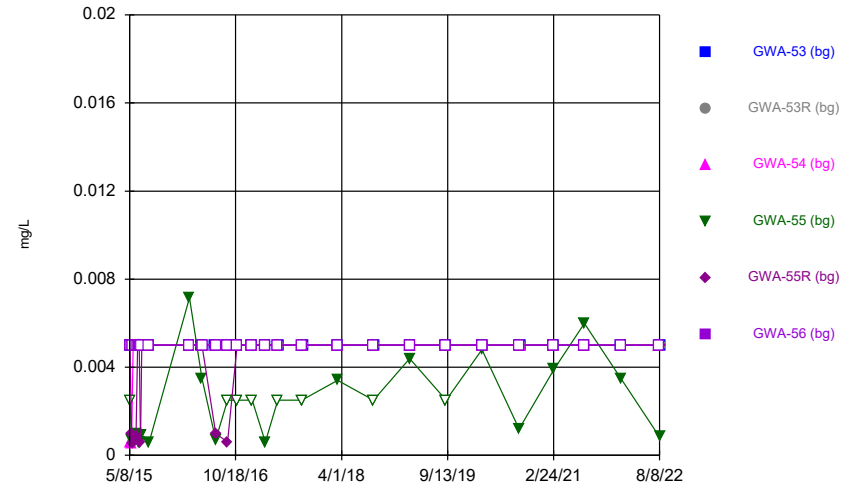
Constituent: Chromium Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



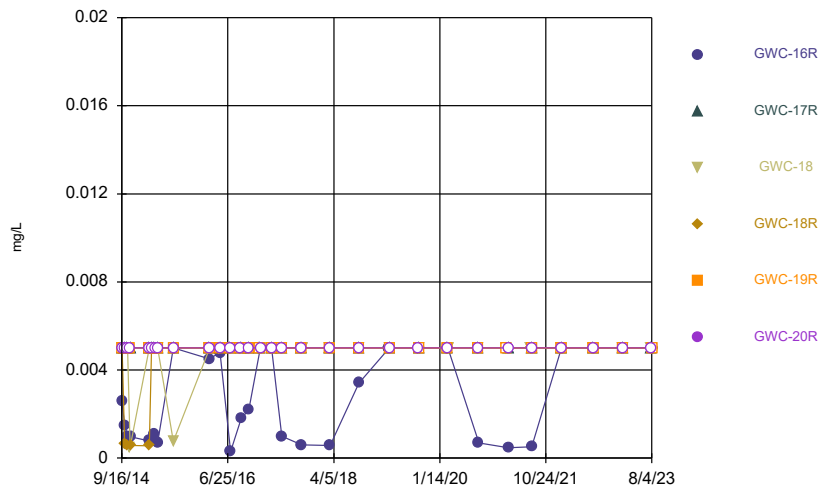
Constituent: Cobalt Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



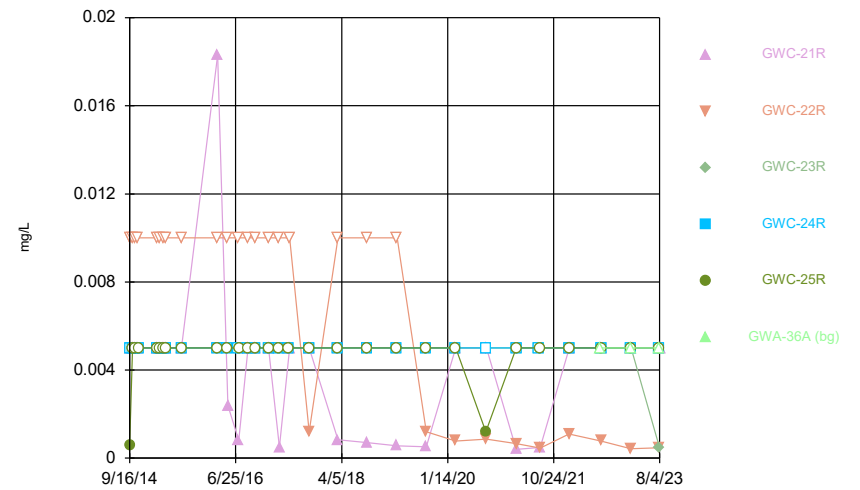
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



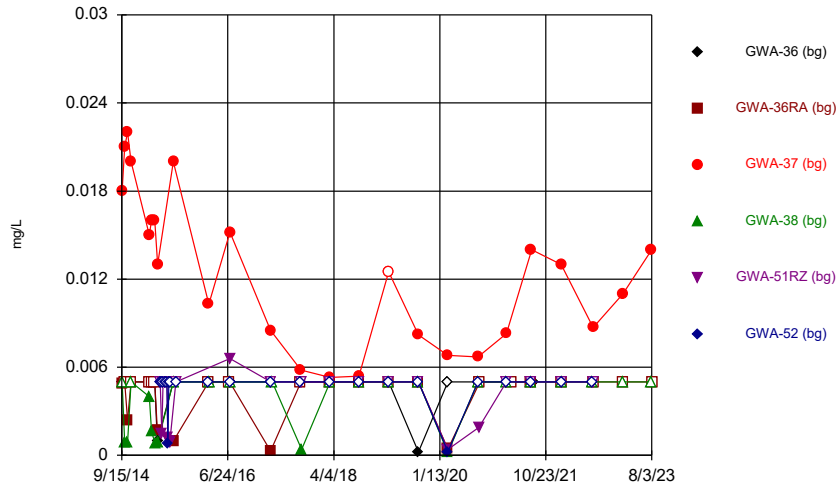
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



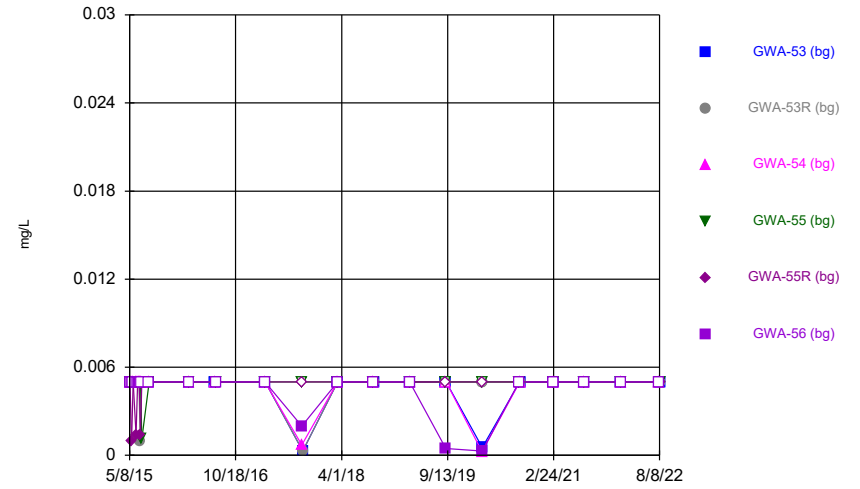
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



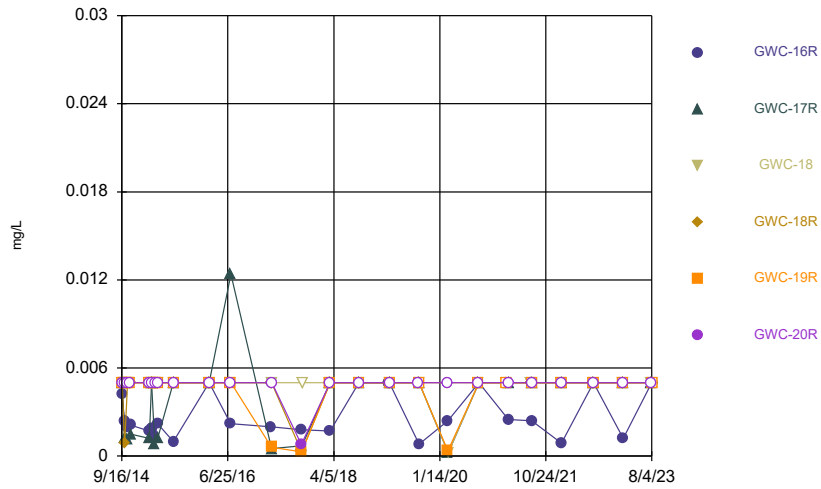
Constituent: Copper Analysis Run 9/15/2023 8:17 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



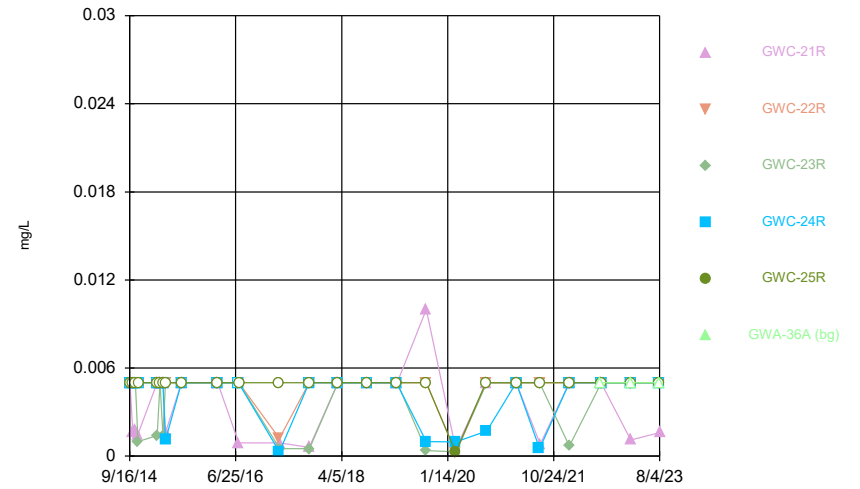
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



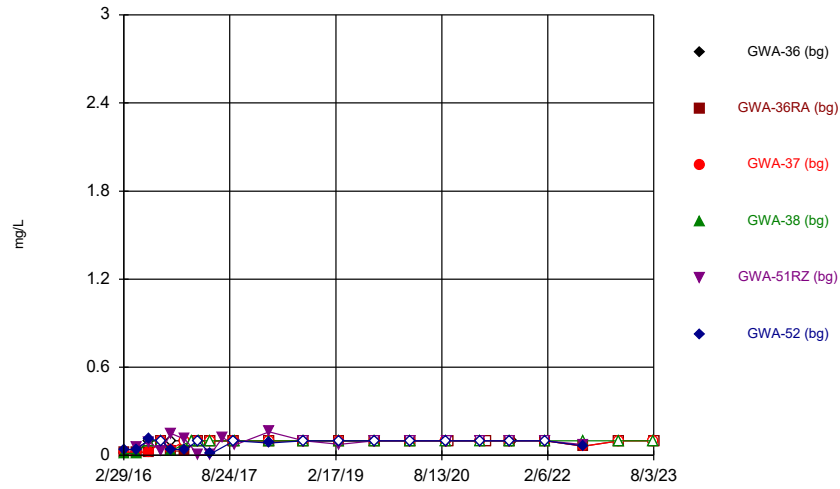
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



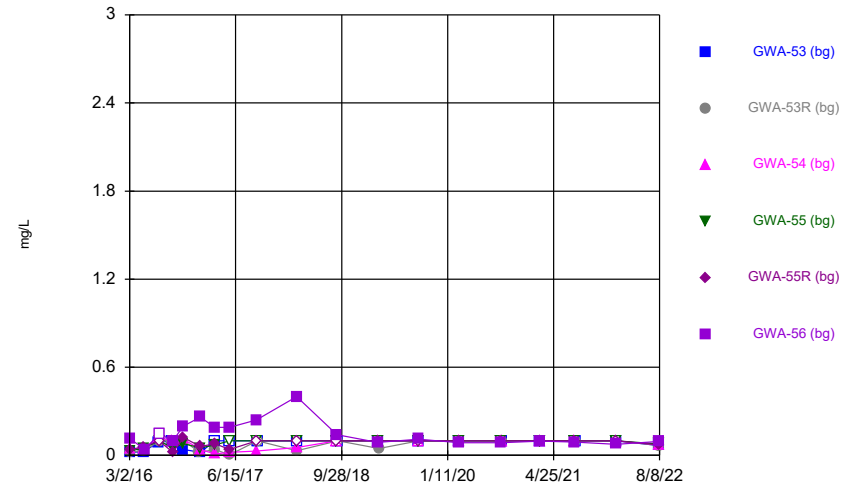
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



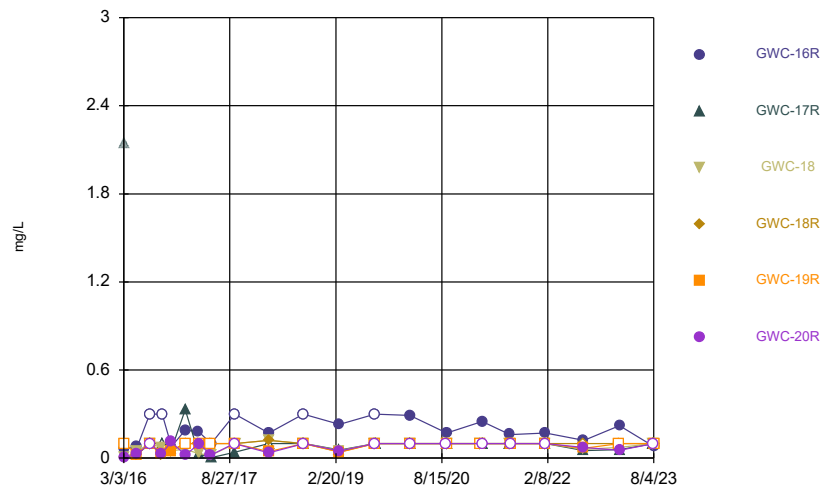
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



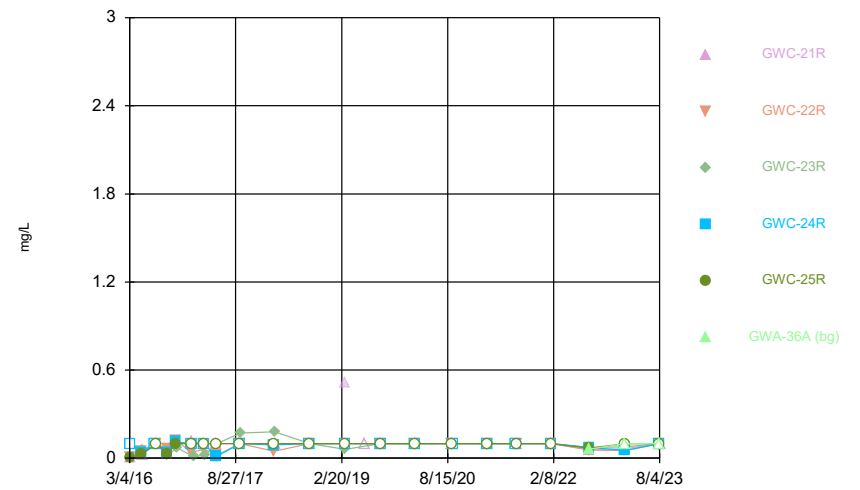
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



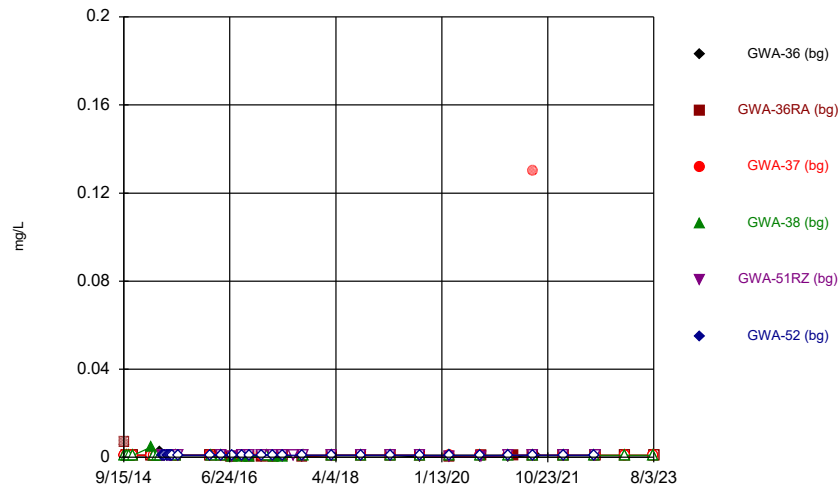
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



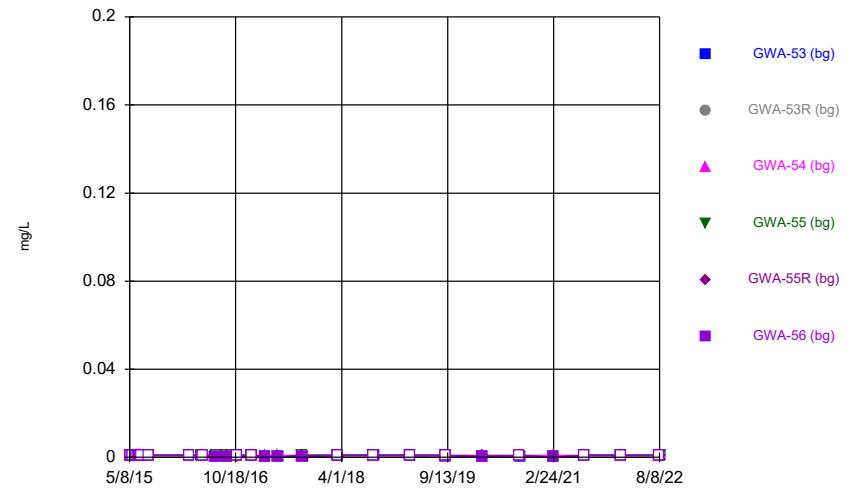
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



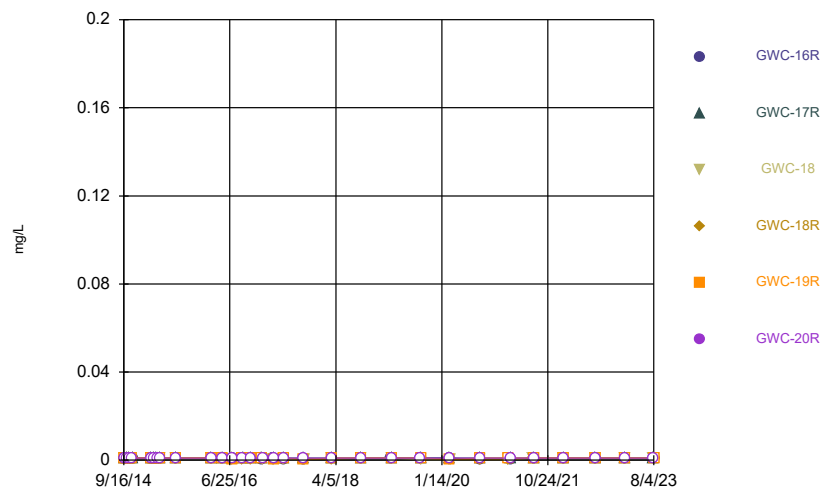
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



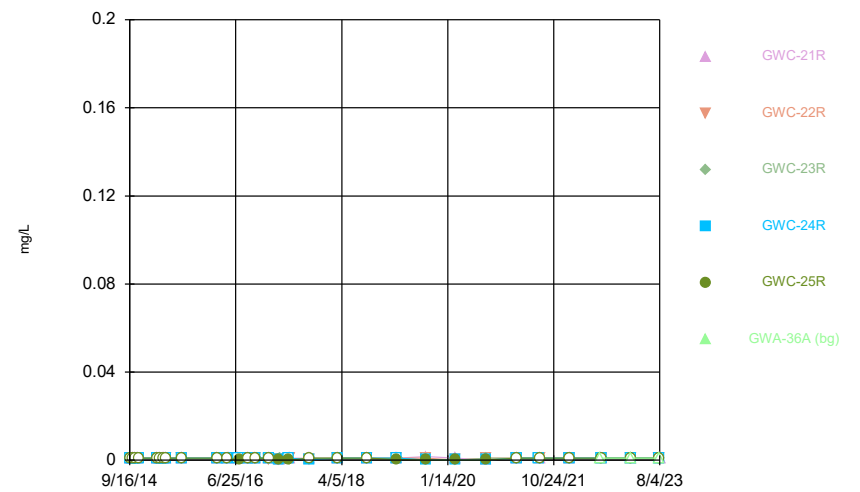
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



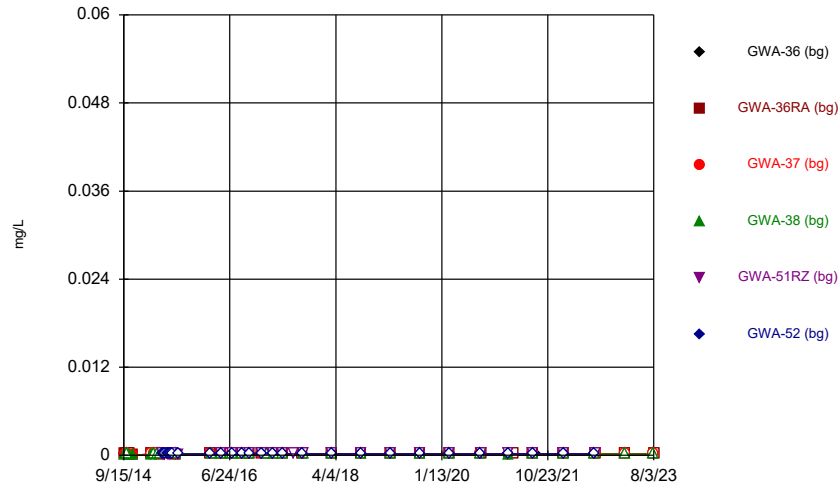
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



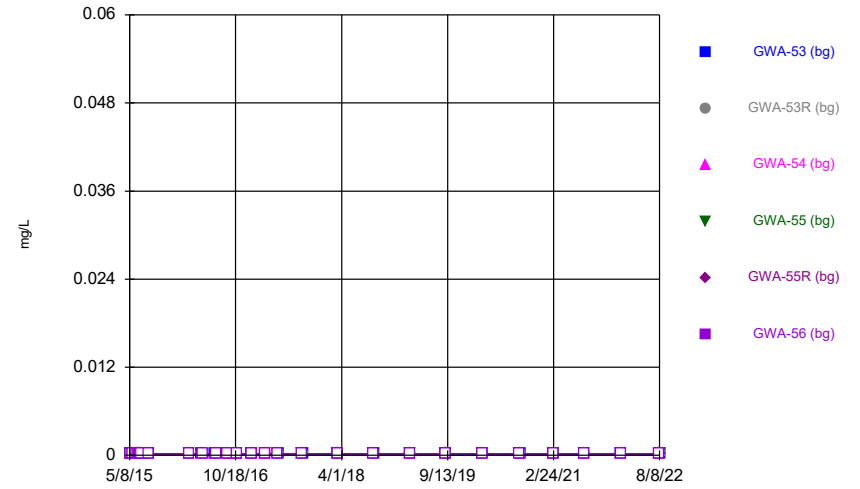
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



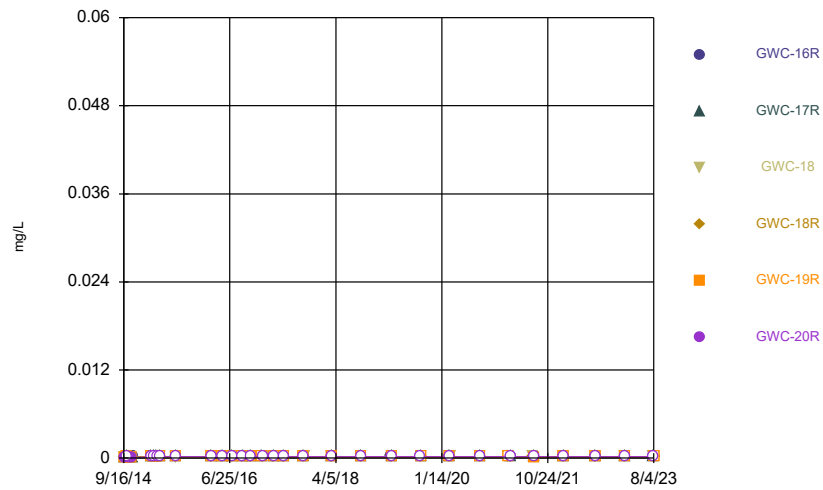
Constituent: Mercury Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



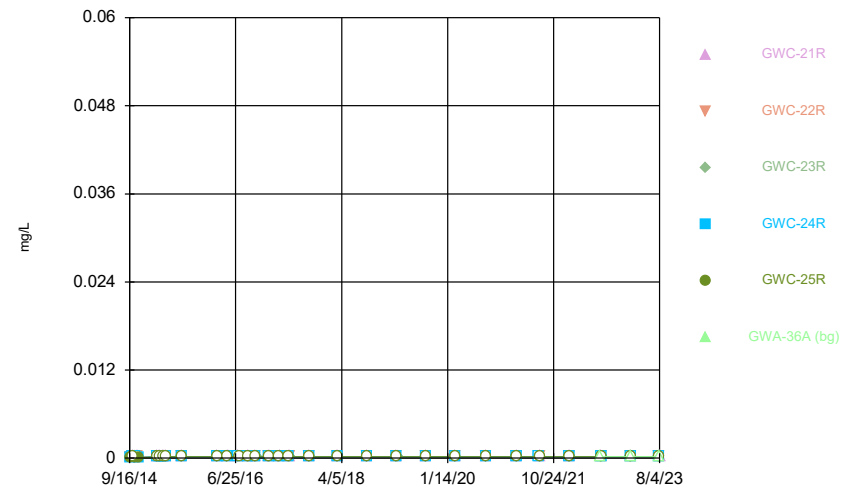
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



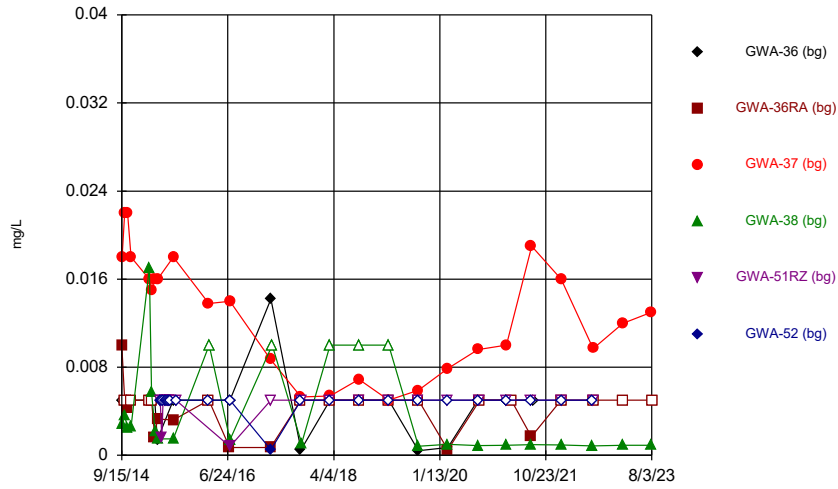
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



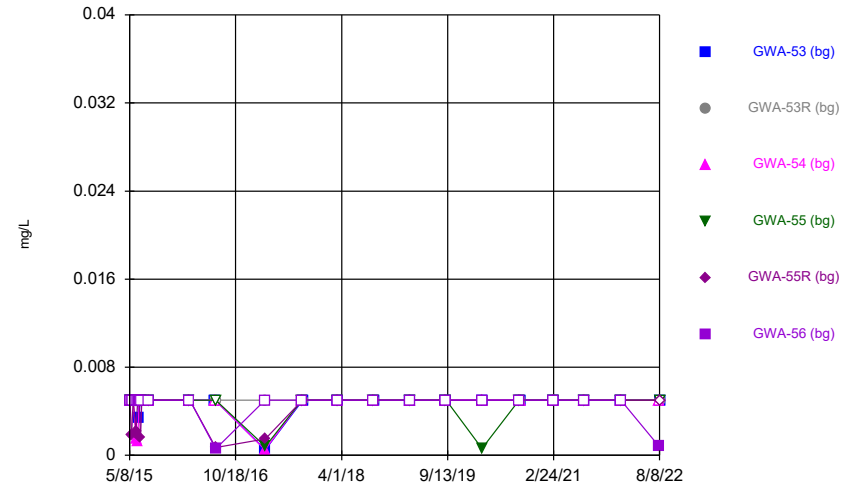
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



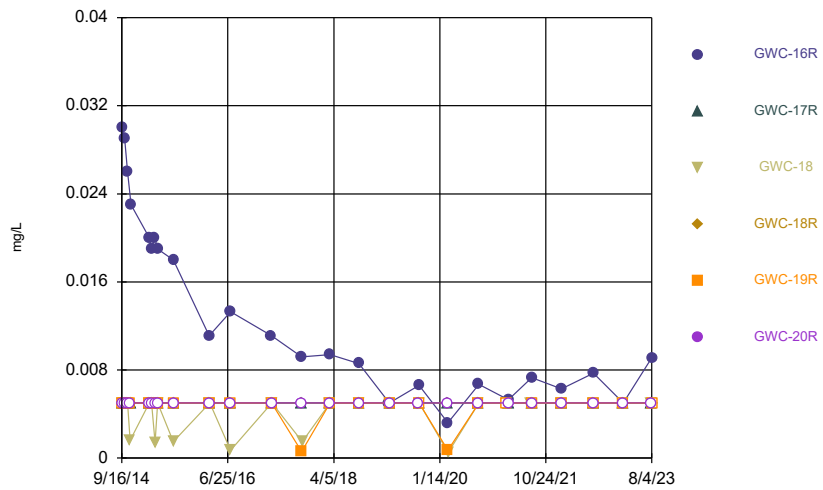
Constituent: Nickel Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



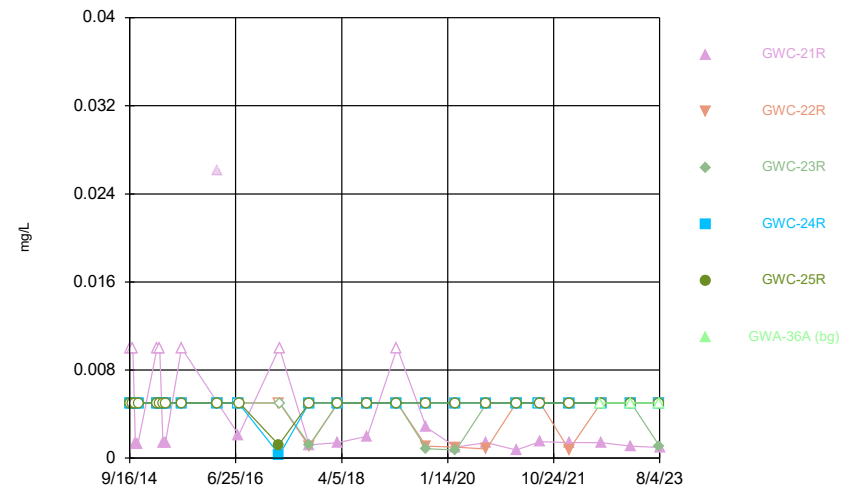
Constituent: Nickel Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



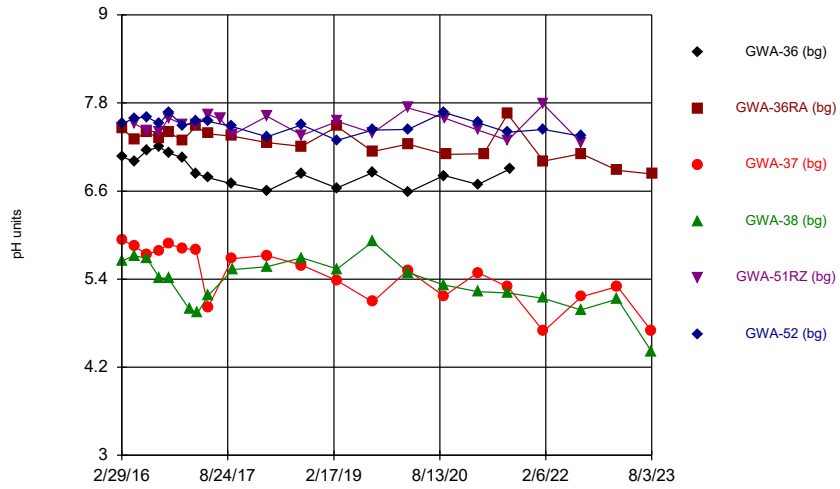
Constituent: Nickel Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



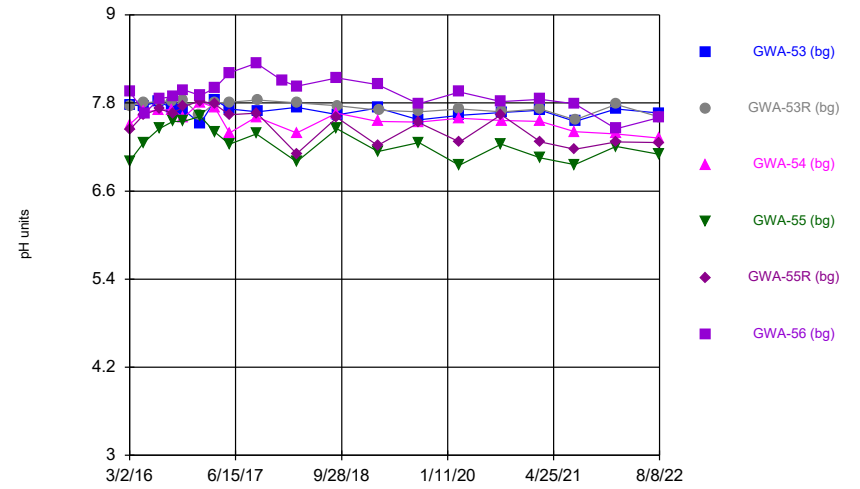
Constituent: Nickel Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



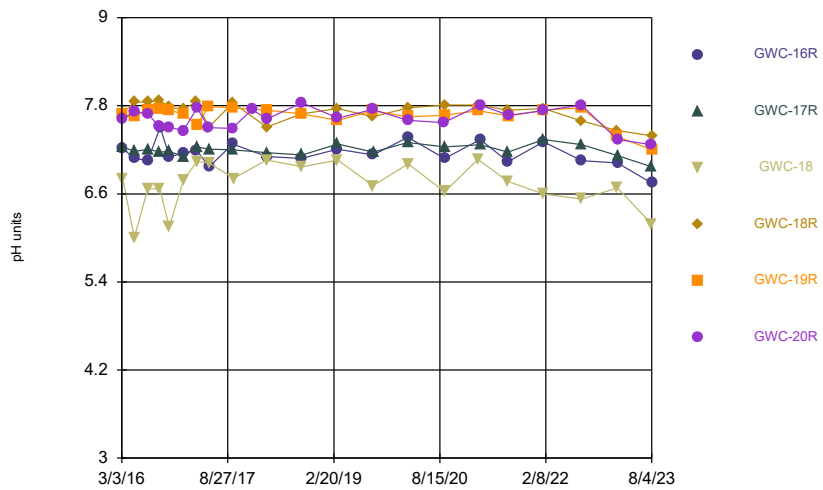
Constituent: pH Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



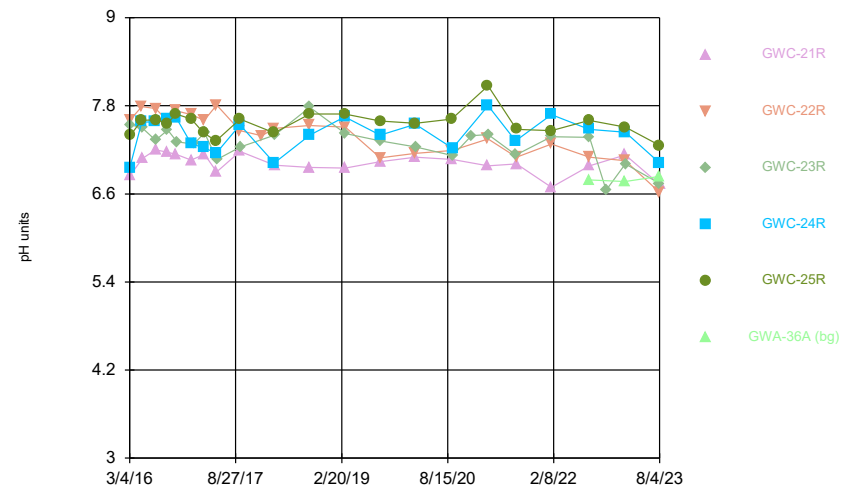
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



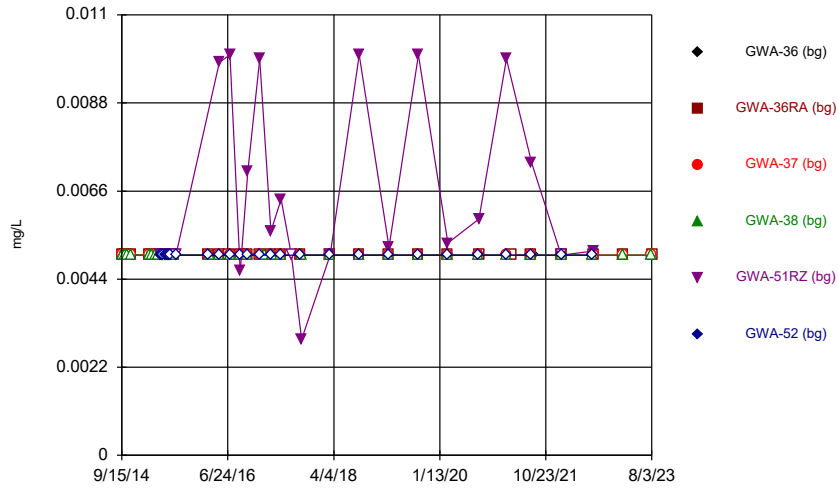
Constituent: pH Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



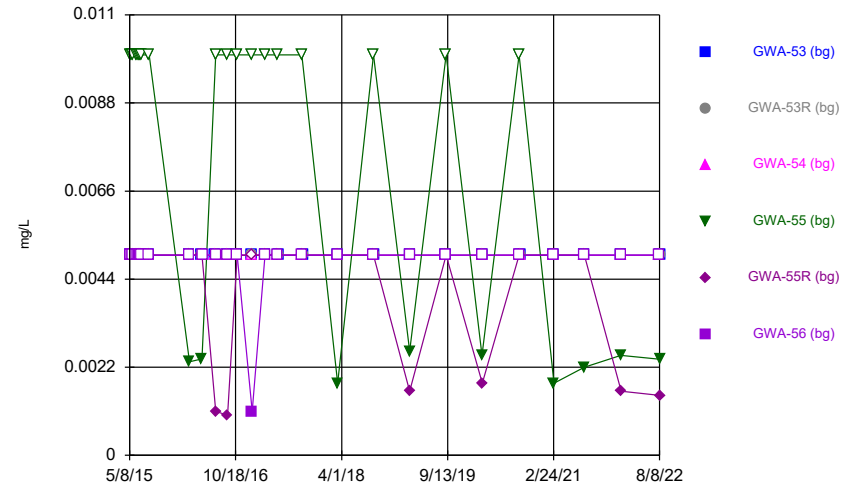
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



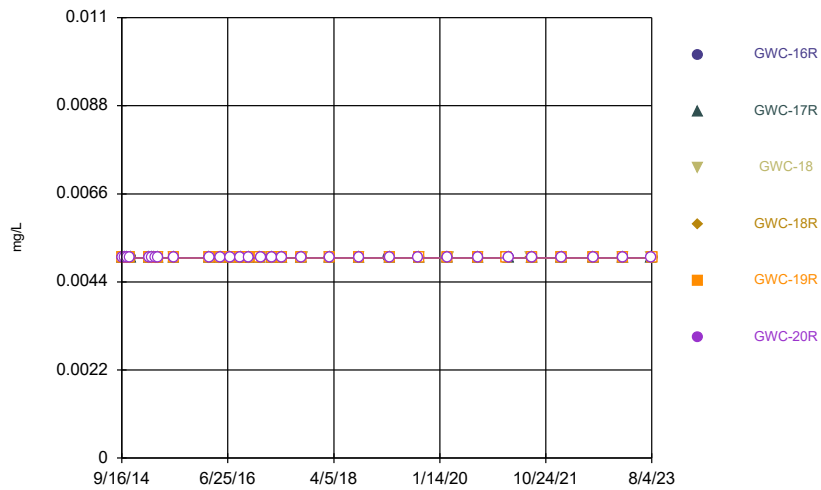
Constituent: Selenium Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



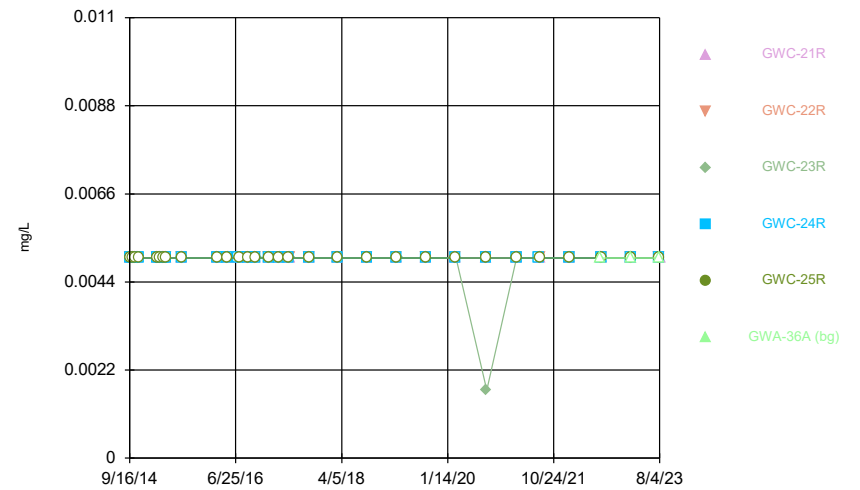
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



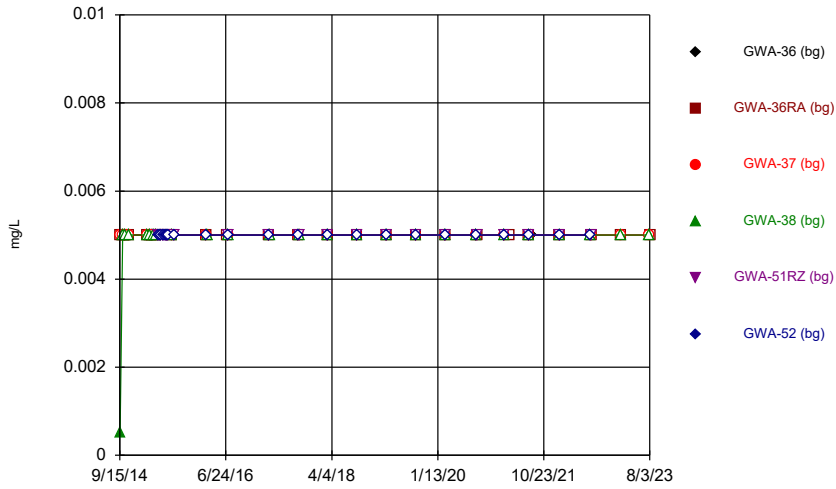
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



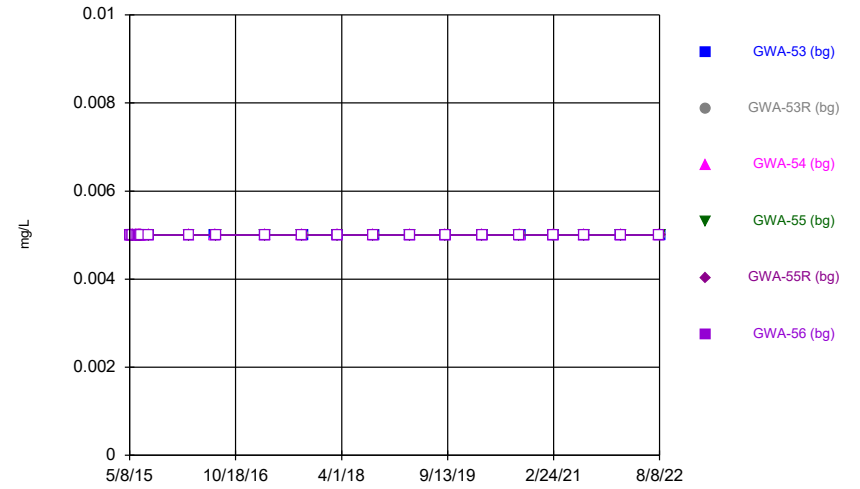
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



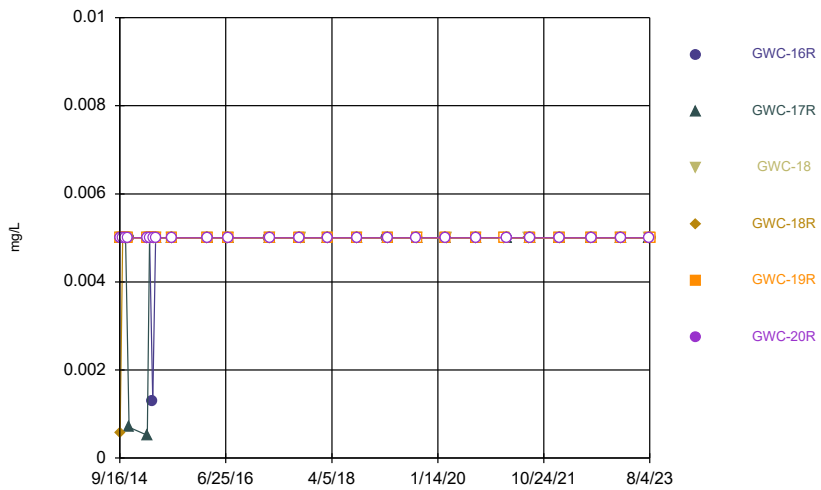
Constituent: Silver Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



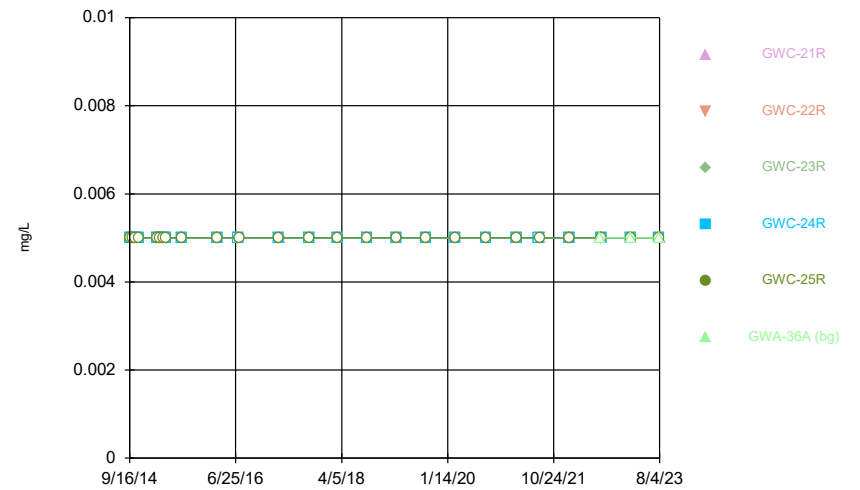
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



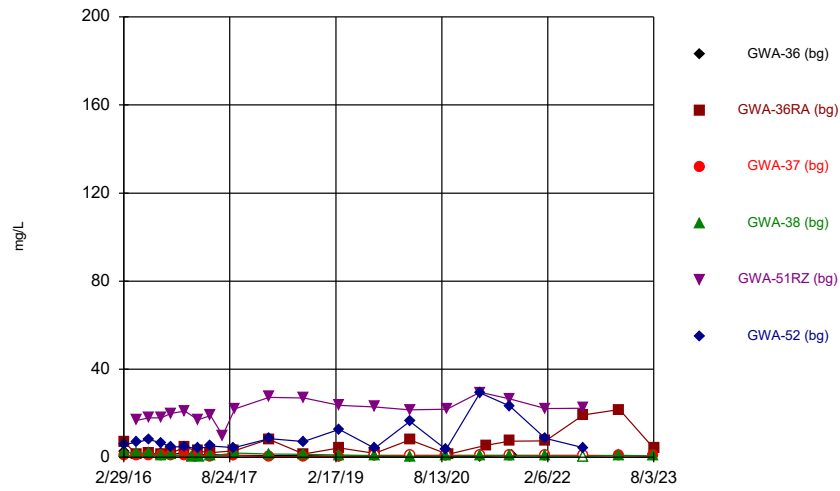
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



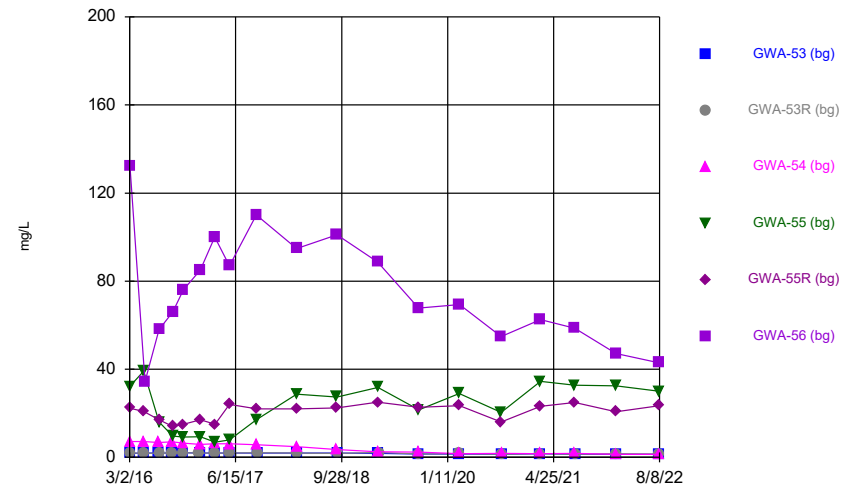
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



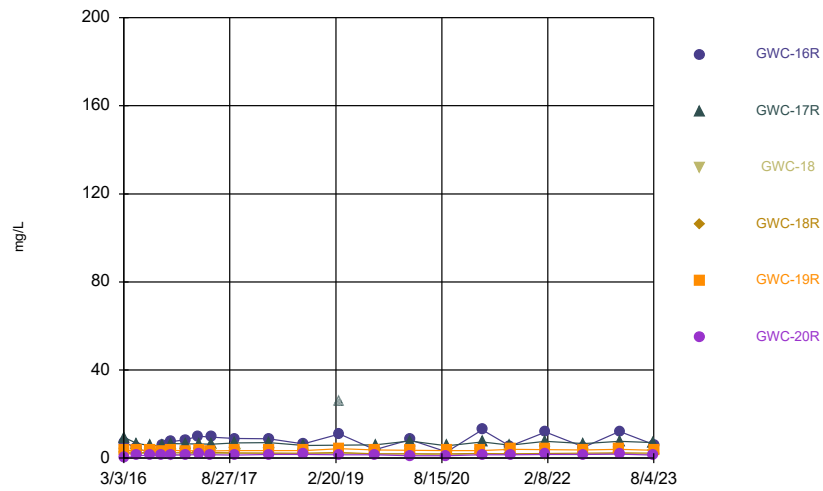
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



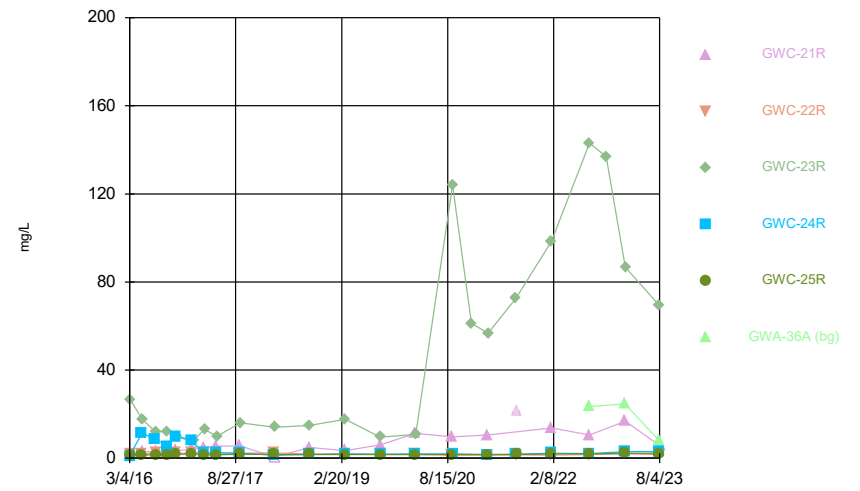
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



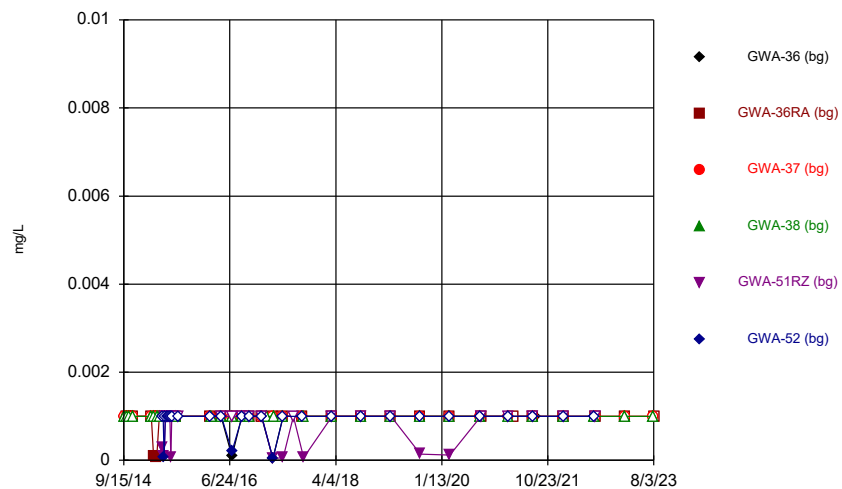
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



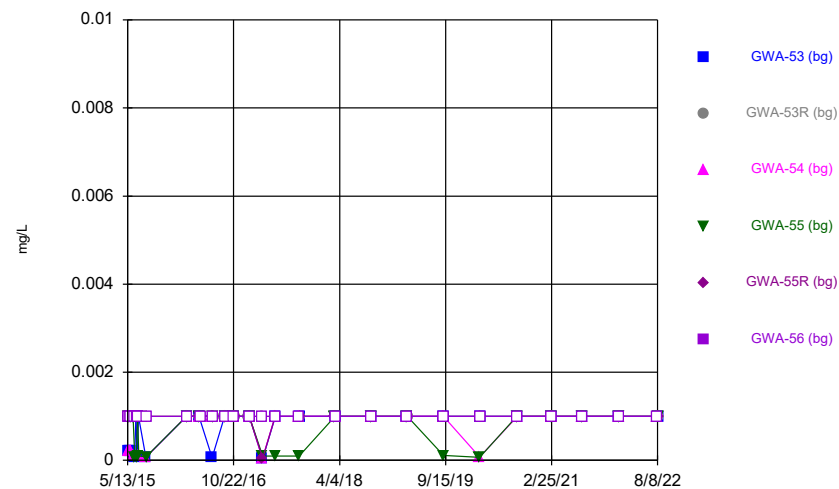
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



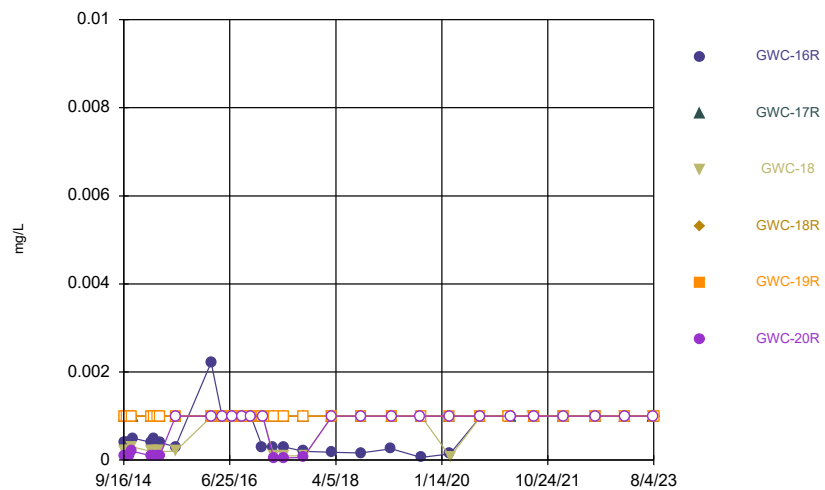
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



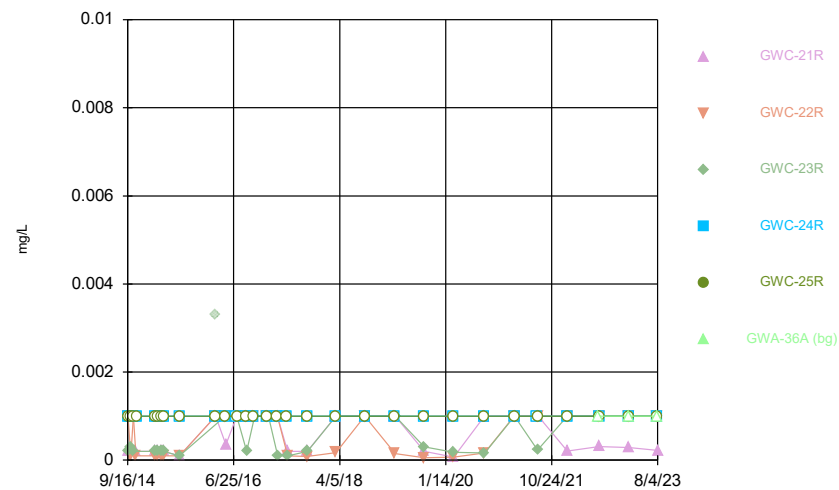
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



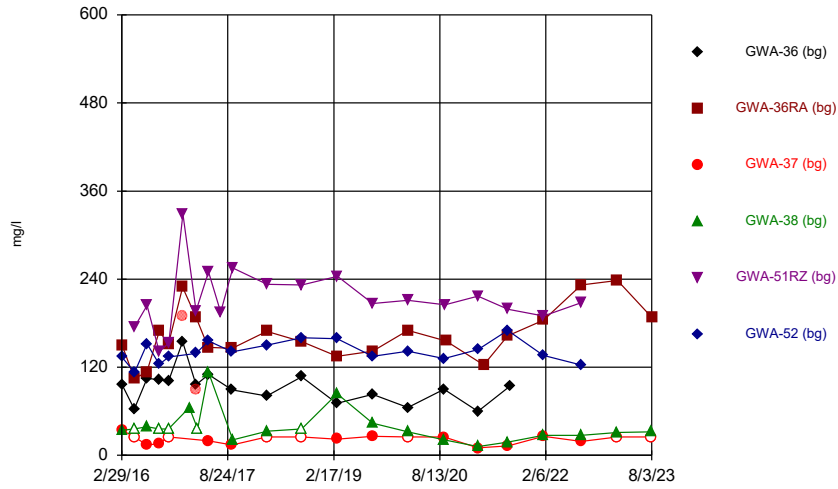
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



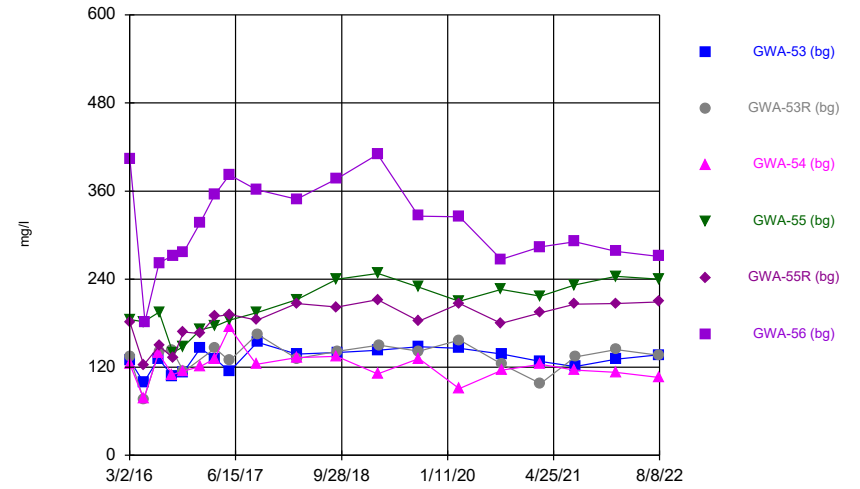
Constituent: Thallium Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



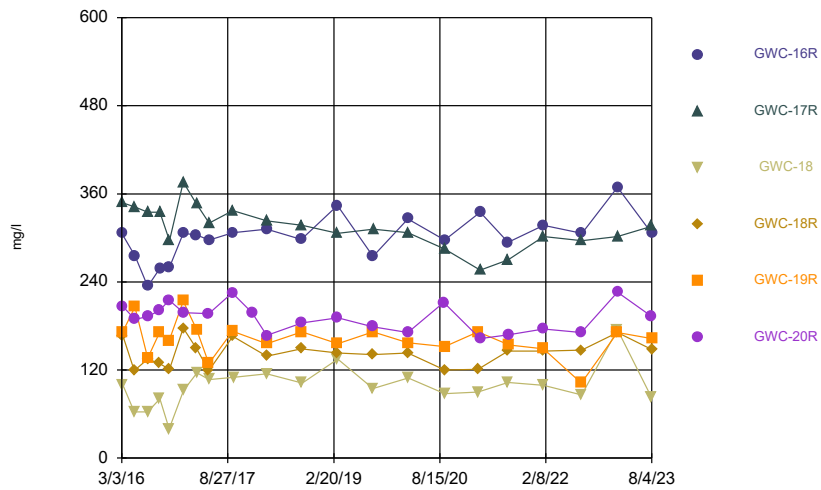
Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



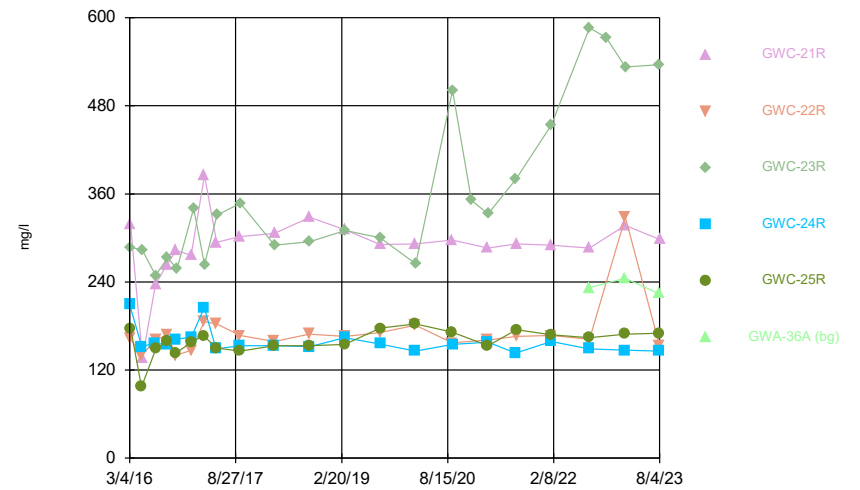
Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



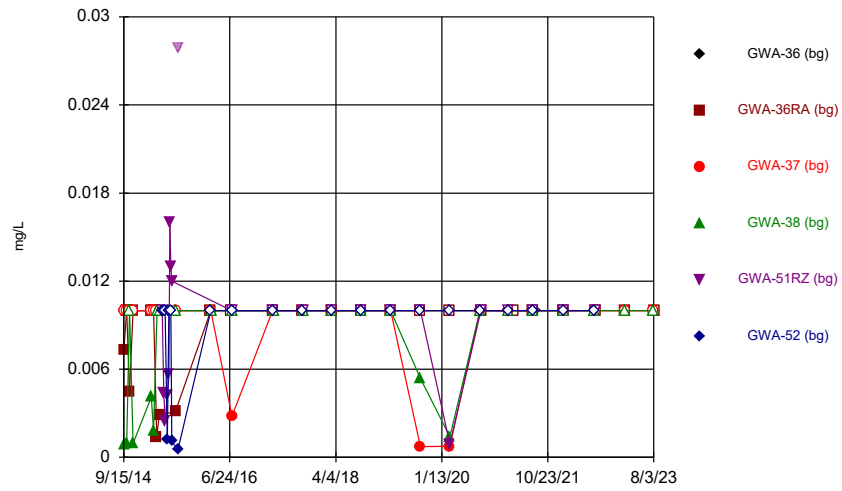
Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



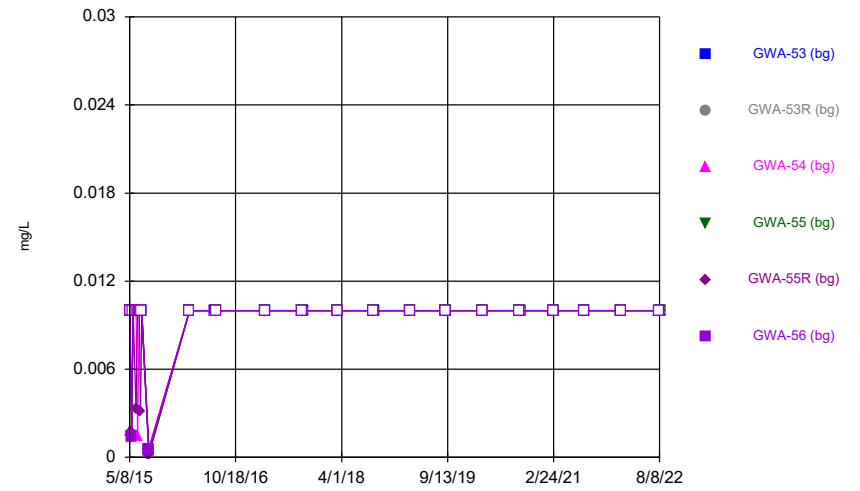
Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



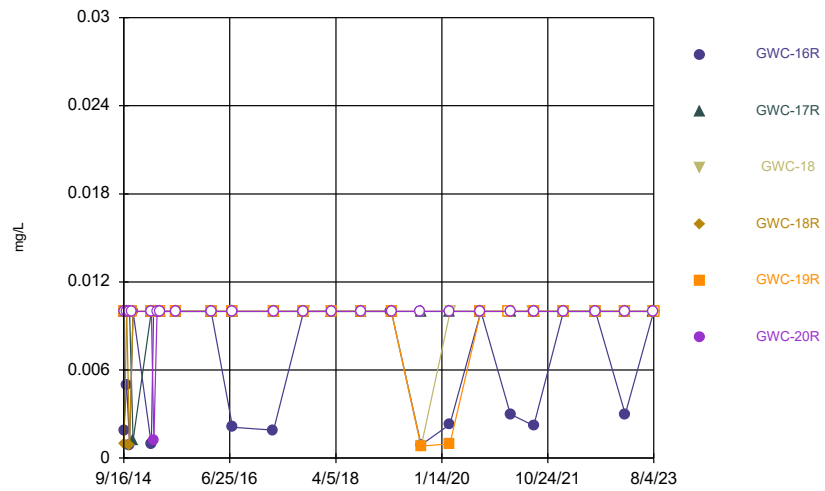
Constituent: Vanadium Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



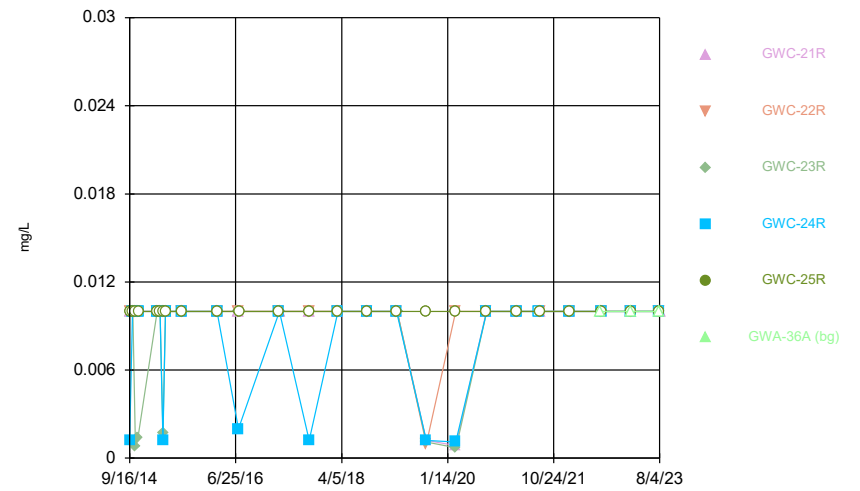
Constituent: Vanadium Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



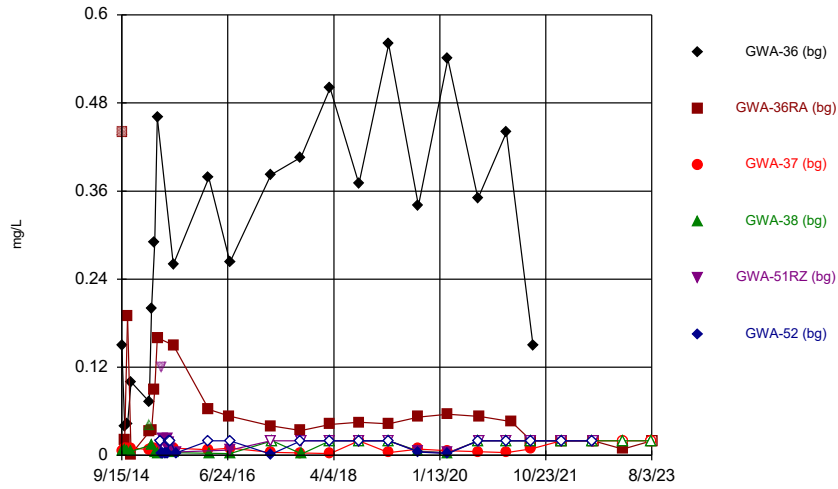
Constituent: Vanadium Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



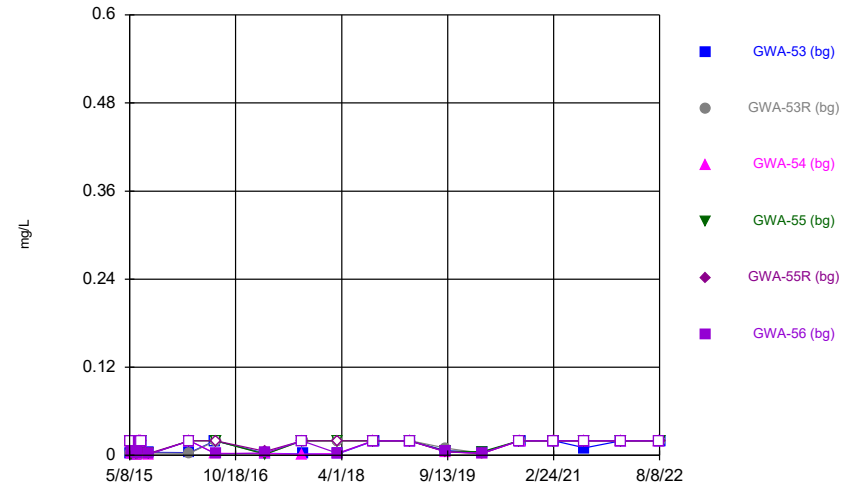
Constituent: Vanadium Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



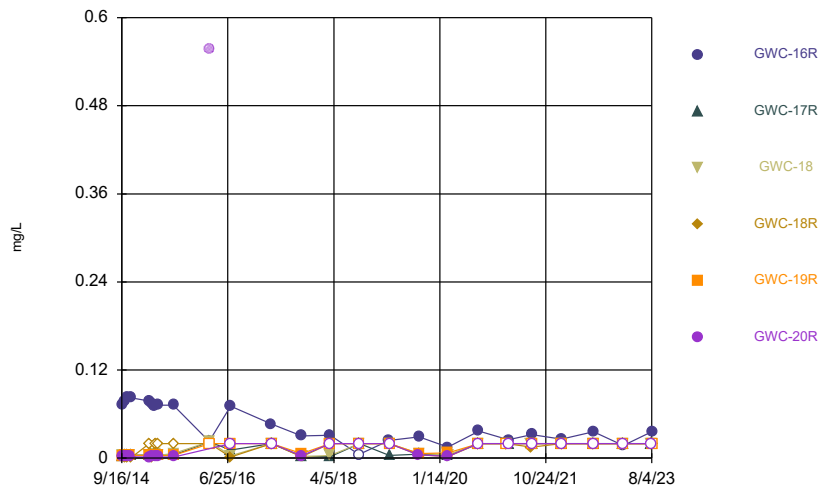
Constituent: Zinc Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



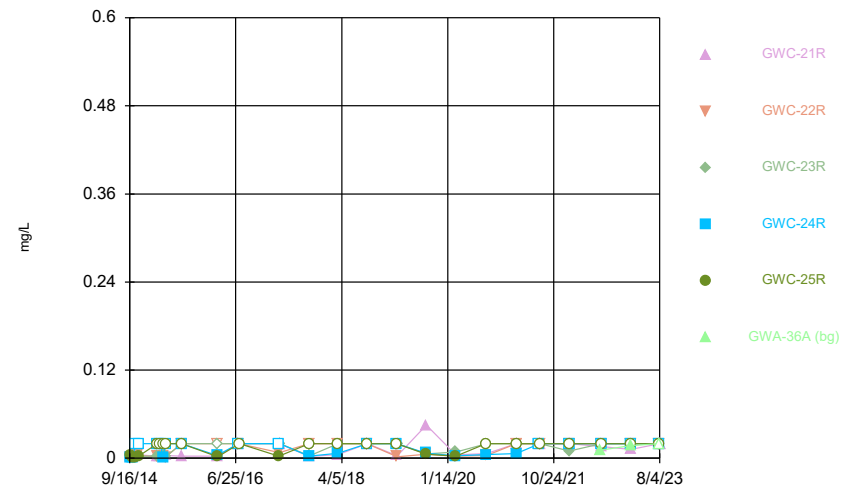
Constituent: Zinc Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series



Constituent: Zinc Analysis Run 9/15/2023 8:18 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.003	<0.003				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	<0.003		
10/20/2014	<0.003	<0.003	<0.003	<0.003		
11/10/2014	<0.003	<0.003	<0.003	<0.003		
3/2/2015	<0.003	<0.003	<0.003	<0.003		
3/17/2015	<0.003	<0.003	<0.003	<0.003		
4/5/2015	<0.003	<0.003	<0.003			
4/6/2015				<0.003		
4/21/2015	<0.003	<0.003				
4/22/2015			<0.003	<0.003		
5/8/2015					<0.003	<0.003
5/17/2015					<0.003	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	<0.003	<0.003	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	0.00214 (J)			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			0.00178 (J)	<0.003		
5/4/2016					0.00254 (J)	<0.003
7/6/2016		<0.003				
7/7/2016	<0.003			<0.003	0.0033 (D)	
7/8/2016			0.0023 (J)			<0.003
9/7/2016	<0.003	<0.003	0.0039			
9/8/2016				<0.003	0.0046 (o)	<0.003
10/25/2016	<0.003	<0.003	0.0035	<0.003		
10/26/2016					0.001 (J)	<0.003
1/5/2017	<0.003	<0.003				
1/6/2017			0.0052		0.0011 (J)	<0.003
2/9/2017				<0.003		
3/14/2017		<0.003	0.003			
3/15/2017	0.0004 (J)				0.0006 (J)	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	0.0026 (J)			
5/17/2017	0.0032			<0.003		<0.003
5/18/2017					0.0009 (J)	
7/19/2017					<0.003	
9/15/2017	<0.003	<0.003	0.0016 (J)			<0.003
9/19/2017				<0.003	<0.003	
3/12/2018	<0.003	<0.003	0.0023 (J)			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	<0.003	<0.003	0.0024 (J)	<0.003		<0.003
9/7/2018					<0.003	
3/6/2019	<0.003		0.0019 (J)			
3/7/2019		<0.003		<0.003		<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.001 (J)	<0.003	0.0029 (J)	<0.003	0.0006 (J)	<0.003
3/2/2020	<0.003	<0.003	0.0018 (J)	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.00094 (J)		0.0012 (J)	<0.003		<0.003
9/9/2020					0.00035 (J)	
9/14/2020		<0.003				
2/24/2021	0.00068 (J)		0.0012 (J)	<0.003		<0.003
2/25/2021					0.00061 (J)	
3/26/2021		0.00092 (J)				
7/27/2021		<0.003				0.0028 (J)
7/28/2021			0.0016 (J)	<0.003	0.00082 (J)	
8/6/2021	<0.003					
1/25/2022				<0.003		<0.003
1/26/2022		<0.003	<0.003		<0.003	
8/5/2022				<0.003		<0.003
8/8/2022		0.0015 (J)	0.0018 (J)			
8/9/2022					<0.003	
2/8/2023		<0.003	0.0013 (J)	<0.003		
8/2/2023			0.0018 (J)	<0.003		
8/3/2023		<0.003				

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	<0.003	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	<0.003	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	<0.003				
7/1/2015			<0.003	<0.003	<0.003	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	<0.003	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003			
8/13/2015				<0.003	<0.003	<0.003
3/2/2016	0.000782 (J)	0.00106 (J)	<0.003	0.000608 (J)		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	0.00171 (J)		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	<0.003
9/7/2016		0.0013 (J)				
9/8/2016	0.0009 (J)		0.0019 (J)			
9/9/2016				<0.003	0.0009 (J)	<0.003
10/26/2016	0.0012 (J)		<0.003	<0.003		<0.003
10/27/2016		0.0011 (J)			<0.003	
1/6/2017		0.0013 (J)				
1/9/2017	<0.003		<0.003	<0.003	0.0023 (J)	0.0012 (J)
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	0.0029 (J)		<0.003	0.0007 (J)	
5/18/2017			<0.003	<0.003	0.0012 (J)	<0.003
5/19/2017	0.0005 (J)	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	0.0034	<0.003			<0.003
9/6/2018			0.001 (J)			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	0.0033				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	<0.003			<0.003		
3/12/2019		0.002 (J)				
9/4/2019						<0.003
9/5/2019	0.00035 (J)	0.00035 (J)	<0.003	<0.003	<0.003	
3/3/2020			0.0011 (J)	<0.003		
3/4/2020	0.0019 (J)	0.00053 (J)			<0.003	<0.003

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.00065 (J)	<0.003	<0.003
9/8/2020	0.0017 (J)	0.00078 (J)	<0.003			
2/25/2021			<0.003	<0.003	<0.003	<0.003
2/26/2021	<0.003	0.0006 (J)				
7/27/2021			0.00086 (J)			
7/28/2021				<0.003	<0.003	<0.003
7/29/2021	0.00096 (J)	0.00096 (J)				
1/25/2022			<0.003			
1/26/2022	<0.003	<0.003		<0.003		<0.003
1/27/2022					<0.003	
8/5/2022			<0.003			<0.003
8/8/2022	<0.003	<0.003		<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0083					
9/17/2014		<0.003	<0.003	<0.003	<0.003	
9/18/2014						<0.003
10/4/2014	<0.0083	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.0083	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			<0.003		<0.003	<0.003
11/11/2014	<0.0083	<0.003		<0.003		
3/3/2015	<0.0083	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.0083	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.0083	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.0083	<0.003	<0.003	<0.003		
4/24/2015					<0.003	<0.003
7/29/2015	<0.0083	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	0.00472 (D)					
3/4/2016		<0.003				
3/7/2016			0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	0.000672 (J)		
5/9/2016					<0.003	<0.003
5/10/2016	0.0047	0.000641 (J)				
7/13/2016	<0.0083		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		0.0012 (J)				
9/15/2016	0.0013 (J)					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	0.0021 (J)					
1/11/2017	0.0086	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	0.0187			0.0005 (J)		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	0.0097	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					<0.003	
9/21/2017	0.0078			0.0008 (J)		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	0.015	<0.003	<0.003	<0.003	<0.003	<0.003
9/7/2018	0.0026 (J)			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.02					
3/12/2019		<0.003	<0.003	0.00091 (J)	<0.003	<0.003
9/6/2019				0.00028 (J)		0.001755 (JD)
9/9/2019	0.011		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	0.019				<0.003	
3/5/2020		<0.003		0.00068 (J)		<0.003
3/6/2020			0.00049 (J)			
9/4/2020						<0.003
9/9/2020	0.015	<0.003	<0.003	<0.003	<0.003	
2/26/2021			<0.003	0.00059 (J)	<0.003	
3/9/2021	0.018					<0.003
3/10/2021		<0.003				
7/29/2021			<0.003	0.0024 (J)		
7/30/2021	0.019	<0.003				
8/2/2021						<0.003
8/5/2021					<0.003	
1/27/2022				<0.003	<0.003	<0.003
1/28/2022	0.027	<0.003	<0.003			
8/9/2022					<0.003	<0.003
8/10/2022			<0.003	<0.003		
8/11/2022	0.0099	<0.003				
2/9/2023			<0.003	<0.003	<0.003	
2/10/2023	0.02	<0.003				<0.003
8/3/2023		0.0033	<0.003			<0.003
8/4/2023	0.012			<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.003	<0.003	
9/18/2014	<0.0056	<0.003	<0.003			
10/4/2014				<0.003	<0.003	
10/5/2014	<0.0056	<0.003	<0.003			
10/22/2014	<0.0056	<0.003	<0.003			
10/23/2014				<0.003	<0.003	
11/5/2014	<0.0056	<0.003	<0.003			
11/10/2014				<0.003	<0.003	
3/4/2015	<0.0056	<0.003	<0.003	<0.003	<0.003	
3/19/2015	<0.0056	<0.003				
3/20/2015			<0.003	<0.003	<0.003	
4/8/2015	<0.0056	<0.003	<0.003	<0.003		
4/9/2015					<0.003	
4/23/2015			<0.003	<0.003	<0.003	
4/24/2015	<0.0056	<0.003				
7/30/2015	<0.0056	<0.003	<0.003	<0.003	<0.003	
3/4/2016				0.0271 (Jo)		
3/7/2016		<0.003				
3/8/2016	0.00318				0.0226 (o)	
3/9/2016			0.003			
5/4/2016					0.00107 (J)	
5/5/2016		<0.003		0.000761 (J)		
5/6/2016			0.000666 (J)			
5/9/2016	0.00454					
7/12/2016				0.0094 (o)		
7/14/2016		<0.003				
7/15/2016	<0.0056		<0.003			
7/18/2016					0.0004 (J)	
9/9/2016	0.0033					
9/12/2016		<0.003				
9/13/2016				0.0072 (o)	0.0028 (J)	
9/14/2016			0.0022 (J)			
10/27/2016	0.0046	<0.003		0.005	0.0011 (J)	
11/1/2016			<0.003			
1/12/2017	0.0064					
1/13/2017		<0.003		0.0012 (J)	<0.003	
1/25/2017			<0.003			
3/16/2017					0.0009 (J)	
3/20/2017		<0.003		0.0014 (J)		
3/21/2017	0.0058					
3/22/2017			0.0006 (J)			
5/19/2017				0.0006 (J)	<0.003	
5/23/2017	0.0023 (J)	<0.003				
5/24/2017			<0.003			
9/19/2017	0.0018 (J)	<0.003		<0.003	<0.003	
9/21/2017			<0.003			
3/13/2018		<0.003		0.0016 (J)	0.00093 (J)	
3/14/2018	0.0063		<0.003			
9/7/2018		<0.003				
9/10/2018	0.0033					
9/11/2018			<0.003	<0.003	<0.003	
3/8/2019				<0.003	<0.003	

Time Series

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.0029 (J)	<0.003				
3/12/2019			<0.003			
9/5/2019		<0.003		0.00031 (JD)	<0.003	
9/6/2019	0.01		0.00029 (J)			
3/3/2020	0.0019 (J)	<0.003		<0.003	<0.003	
3/5/2020			<0.003			
9/4/2020					0.0013 (J)	
9/8/2020	0.0041	<0.003				
9/9/2020			<0.003	0.00094 (J)		
3/9/2021	0.0024 (J)	<0.003		0.00035 (J)	<0.003	
3/10/2021			<0.003			
7/29/2021				0.0011 (J)		
7/30/2021			<0.003			
8/2/2021	0.0048	<0.003			<0.003	
1/27/2022		<0.003			<0.003	
1/28/2022	0.0061		<0.003	<0.003		
8/8/2022						<0.003
8/9/2022				<0.003	<0.003	
8/10/2022	0.0081 (J)	<0.003				
8/11/2022			<0.003			
2/8/2023						<0.003
2/9/2023	0.0064	<0.003		<0.003	<0.003	
2/10/2023			<0.003			
8/2/2023						<0.003
8/3/2023		<0.003	<0.003	<0.003	<0.003	
8/4/2023	0.003					

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0036 (J)				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	0.0022 (J)	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	0.0062		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					0.0021 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					0.002 (J)	<0.005
6/18/2015					0.0028 (J)	<0.005
6/24/2015					0.0074	<0.005
6/30/2015					0.0065	<0.005
7/6/2015					0.0057	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					0.0162 (o)	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005	<0.005
7/6/2016		0.0008 (J)				
7/7/2016	<0.005			<0.005	0.0009 (J)	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	<0.005	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					<0.005	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	0.0005 (J)			
3/15/2017	<0.005				0.0006 (J)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0007 (J)	
7/19/2017					0.0061	
9/15/2017	<0.005	0.0007 (J)	<0.005			0.0006 (J)
9/19/2017				<0.005	0.0021 (J)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.00061 (J)	0.0017 (J)	0.00063 (J)
9/6/2018	<0.005	<0.005	<0.005	0.00071 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005	0.00061 (J)	<0.005
3/2/2020	<0.005	<0.005	0.00053 (J)	0.00059 (J)		<0.005
3/3/2020					0.00073 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				0.0016 (J)
7/28/2021			<0.005	<0.005	0.0031 (J)	
8/6/2021	<0.005					
1/25/2022				<0.005		0.003 (J)
1/26/2022		<0.005	0.0019 (J)		0.0047 (J)	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	<0.005		
8/2/2023			<0.005	<0.005		
8/3/2023		<0.005				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0028 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0024 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	0.0021 (J)
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.001 (J)	0.001 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		<0.005	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.005	<0.005	<0.005
3/15/2017			0.0006 (J)			0.0005 (J)
3/16/2017	0.0005 (J)	0.0005 (J)		0.0005 (J)	0.0007 (J)	
5/18/2017			<0.005	0.0006 (J)	0.0006 (J)	0.0006 (J)
5/19/2017	0.0007 (J)	0.0007 (J)				
9/15/2017			<0.005	0.0007 (J)		0.0008 (J)
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	0.00058 (J)	<0.005	0.00066 (J)			0.00088 (J)
9/6/2018			0.00057 (J)			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	0.00085 (J)
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	0.00039 (J)	0.00046 (J)	0.00038 (J)	0.00044 (J)	0.00042 (J)	
3/3/2020			<0.005	<0.005		
3/4/2020	0.00044 (J)	0.00043 (J)			<0.005	0.0004 (J)

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			0.0014 (J)			
7/28/2021				0.0026 (J)	0.0029 (J)	0.0034 (J)
7/29/2021	0.0032 (J)	0.0037 (J)				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		0.0015 (J)
1/27/2022					0.0019 (J)	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.08869 (oD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00128 (J)	<0.005				
7/13/2016	0.001 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0017 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	0.0012 (J)			0.0006 (J)		
3/21/2017		0.0009 (J)			0.0007 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						0.0006 (J)
9/20/2017					<0.005	
9/21/2017	0.001 (J)			<0.005		
9/22/2017		0.0008 (J)				
9/25/2017			<0.005			
3/14/2018	0.0013 (J)	0.00092 (J)	0.00091 (J)	0.00057 (J)	0.00076 (J)	0.0011 (J)
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		0.00047 (JD)
9/9/2019	0.00094 (J)		0.00099 (J)		0.00082 (J)	
9/10/2019		<0.005				
3/4/2020	0.00088 (J)				0.00072 (J)	
3/5/2020		<0.005		0.00042 (J)		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.0011 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.00094 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			0.0015 (J)	0.002 (J)		
7/30/2021	0.0025 (J)	0.0053				
8/2/2021						0.0028 (J)
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005
8/3/2023		<0.005	<0.005			<0.005
8/4/2023	<0.005			<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				0.0015 (J)		
3/7/2016		<0.005				
3/8/2016	0.0148 (o)				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	0.00347 (J)					
7/12/2016				0.0009 (J)		
7/14/2016		0.001 (J)				
7/15/2016	0.0017 (J)		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	0.002 (J)					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					0.0004 (J)	
3/20/2017		0.0012 (J)		0.0013 (J)		
3/21/2017	0.0021 (J)					
3/22/2017			<0.005			
5/19/2017				0.001 (J)	0.0005 (J)	
5/23/2017	<0.005	<0.005				
5/24/2017			0.0006 (J)			
9/19/2017	0.0013 (J)	0.0021 (J)		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		0.00087 (J)		0.0015 (J)	0.00073 (J)	
3/14/2018	0.0033 (J)		0.0014 (J)			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.0038 (J)	0.00099 (J)				
3/12/2019			<0.005			
9/5/2019		0.0024 (J)		0.0005 (JD)	<0.005	
9/6/2019	0.0024 (J)		0.00054 (J)			
3/3/2020	0.0015 (J)	0.0014 (J)		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	0.0023 (J)	0.0025 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.0045 (J)	0.0018 (J)		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				0.0031 (J)		
7/30/2021			0.006			
8/2/2021	0.0071	0.0041 (J)			0.0036 (J)	
1/27/2022		0.0045 (J)			<0.005	
1/28/2022	0.0031 (J)		0.0026 (J)	0.0021 (J)		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0025 (J)	0.0035 (J)				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0025 (J)	0.003 (J)		<0.005	<0.005	
2/10/2023			0.0032 (J)			
8/2/2023						<0.005
8/3/2023		<0.005	0.0049 (J)	<0.005	<0.005	
8/4/2023	<0.005					

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.0069	0.031				
9/16/2014			0.0071	0.014		
10/3/2014	0.0045	0.024	0.0087	0.016		
10/20/2014	0.0044	0.024	0.0085	0.014		
11/10/2014	<0.0013	0.014	0.008	0.015		
3/2/2015	0.0045	0.013	0.0063	0.03 (o)		
3/17/2015	0.0078	0.013	0.0066	0.018		
4/5/2015	0.01	0.022	0.0068			
4/6/2015				0.014		
4/21/2015	0.013	0.018				
4/22/2015			0.0094	0.012		
5/8/2015					0.0094	0.033
5/17/2015					0.014	0.04
5/25/2015					0.012	0.039
6/8/2015					0.0094	0.031
6/18/2015					0.0075	0.039
6/24/2015					0.0056	0.042
6/30/2015					0.0047	0.033
7/6/2015					0.0047	0.031
7/28/2015	0.011	0.022	0.0057	0.012		
8/12/2015					0.00383 (J)	<-0.02
2/29/2016						0.028
3/1/2016	0.0189	0.021	0.0101			
3/2/2016				0.0123		
5/2/2016	0.0133	0.0225				
5/3/2016			0.0104	0.0114		
5/4/2016					0.0207	0.0273
7/6/2016		0.0249				
7/7/2016	0.013			0.012	0.0207	
7/8/2016			0.0095 (J)			0.0284
9/7/2016	0.0116	0.0251	0.0095 (J)			
9/8/2016				0.0131	0.0278	0.0242
10/25/2016	0.0129	0.0274	0.0121	0.0122		
10/26/2016					0.0204	0.021
1/5/2017	0.013	0.028				
1/6/2017			0.014		0.0221	0.0219
2/9/2017				0.0104		
3/14/2017		0.02	0.009 (J)			
3/15/2017	0.0121				0.0172	0.0202
3/23/2017				0.0128		
5/16/2017		0.0221	0.0084 (J)			
5/17/2017	0.0123			0.0113		0.0219
5/18/2017					0.0181	
7/19/2017					0.018	
9/15/2017	0.0127	0.0231	0.0078 (J)			0.0209
9/19/2017				0.0114	0.0271	
3/12/2018	0.014	0.023	0.006 (J)			
3/13/2018				0.011	0.017	0.02
9/6/2018	0.013	0.024	0.0058 (J)	0.011		0.024
9/7/2018					0.022	
3/6/2019	0.018		0.0052 (J)			
3/7/2019		0.018		0.011		0.025

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.015	
9/4/2019	0.014	0.026	0.005 (J)	0.0115 (D)	0.018	0.02
3/2/2020	0.019	0.024	0.005 (J)	0.012		0.023
3/3/2020					0.017	
9/3/2020	0.014		0.0045 (J)	0.011		0.017
9/9/2020					0.017	
9/14/2020		0.03				
2/24/2021	0.016		0.0044 (J)	0.013		0.025
2/25/2021					0.018	
3/26/2021		0.02				
7/27/2021		0.043				0.026
7/28/2021			0.0052	0.013	0.019	
8/6/2021	0.01					
1/25/2022				0.012		0.023
1/26/2022		0.035	0.0046 (J)		0.034	
8/5/2022				0.012		0.019
8/8/2022		0.038	0.0035 (J)			
8/9/2022					0.015	
2/8/2023		0.038	0.0039 (J)	0.013		
8/2/2023			0.0038 (J)	0.011		
8/3/2023		0.033				

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.014				
5/9/2015	0.044		0.054	0.022	0.042	0.018
5/17/2015		0.015				
5/18/2015	0.04		0.058	0.031	0.063	
5/19/2015						0.02
5/25/2015	0.036	0.014	0.051			
5/26/2015				0.028	0.057	0.02
6/8/2015	0.028	0.014				
6/9/2015			0.034	0.031	0.07	0.02
6/17/2015	0.026		0.032	0.029	0.065	0.019
6/18/2015		0.013				
6/24/2015	0.021	0.014				
6/25/2015			0.032	0.024	0.068	0.019
6/30/2015	0.018	0.014				
7/1/2015			0.029	0.026	0.069	0.018
7/6/2015	0.018	0.013				
7/7/2015			0.029	0.027	0.071	0.019
8/12/2015	<0.02	0.015 (J)	<0.02	<0.02	<0.02	<0.02
3/2/2016	0.017	0.015	0.0297	0.0276		
3/3/2016					0.0424	0.0259
5/3/2016	0.016	0.0144		0.0291	0.0477	
5/4/2016			0.0299			
5/9/2016						0.0236
7/8/2016	0.0156		0.0294			
7/11/2016		0.0145		0.0225	0.0506	0.0295
9/7/2016		0.014				
9/8/2016	0.0144		0.0275			
9/9/2016				0.018	0.0478	0.0259
10/26/2016	0.0128		0.0263	0.0177		0.0231
10/27/2016		0.0142			0.0472	
1/6/2017		0.0139				
1/9/2017	0.0134		0.0263	0.0183	0.0507	0.0273
3/15/2017			0.0262			0.0286
3/16/2017	0.0129	0.0145		0.0175	0.0497	
5/18/2017			0.0276	0.0203	0.0466	0.0253
5/19/2017	0.0141	0.0161				
9/15/2017			0.0281	0.0197		0.0247
9/18/2017					0.0436	
9/19/2017	0.0127	0.0153				
3/12/2018				0.023	0.041	
3/13/2018	0.013	0.015	0.034			0.031
9/6/2018			0.04			
9/7/2018				0.025	0.039	0.034
9/11/2018	0.013	0.015				
3/7/2019			0.039		0.033	0.042
3/8/2019	0.012			0.027		
3/12/2019		0.016				
9/4/2019						0.033
9/5/2019	0.013	0.014	0.034	0.024	0.032	
3/3/2020			0.031	0.023		
3/4/2020	0.013	0.015			0.029	0.039
9/4/2020				0.022	0.032	0.033

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	0.012	0.013	0.035			
2/25/2021			0.034	0.028	0.034	0.032
2/26/2021	0.013	0.015				
7/27/2021			0.028			
7/28/2021				0.027	0.03	0.035
7/29/2021	0.013	0.015				
1/25/2022			0.031			
1/26/2022	0.013	0.014		0.026		0.032
1/27/2022					0.032	
8/5/2022			0.03			0.033
8/8/2022	0.011	0.013		0.026	0.027	

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.069					
9/17/2014		0.019	0.035	0.015	0.018	
9/18/2014						0.031
10/4/2014	0.057	0.02	0.038	<0.0013	0.017	
10/5/2014						0.032
10/21/2014	0.056	0.02	0.034	0.027 (o)	0.017	
10/22/2014						0.03
11/5/2014			0.04		0.017	0.031
11/11/2014	0.05	0.021		0.028 (o)		
3/3/2015	0.045	0.02	0.033	0.034 (o)	0.016	
3/4/2015						0.026
3/18/2015	0.044	0.019	0.031	0.014		
3/19/2015					0.015	0.028
4/6/2015	0.045	0.02				
4/7/2015			0.038	0.017	0.017	0.031
4/23/2015	0.041	0.019	0.031	0.013		
4/24/2015					0.015	0.027
7/29/2015	0.043	0.02	0.045	0.013	0.016	
7/30/2015						0.032
3/3/2016	0.0806					
3/4/2016		0.0262 (Jo)				
3/7/2016			<3 (o)	0.0129	<3 (o)	
3/8/2016						0.0298
5/5/2016			0.0278	0.0149		
5/9/2016					0.0162	0.0304
5/10/2016	0.0495	0.0204				
7/13/2016	0.0374		0.0255	0.0132		
7/14/2016		0.0198			0.0142	0.0307
9/12/2016				0.0142	0.0154	0.0331
9/13/2016			0.0251			
9/14/2016		0.0183				
9/15/2016	0.0542					
10/31/2016			0.0277		0.015	0.0321
11/1/2016		0.0209		0.0127		
11/2/2016	0.0561					
1/11/2017	0.0401	0.0194		0.0146	0.0148	
1/12/2017			0.0258			0.0291
3/20/2017	0.0383			0.0147		
3/21/2017		0.0201			0.0159	
3/22/2017						0.025
3/23/2017			0.0254			
5/22/2017				0.0146	0.0155	0.0276
5/23/2017	0.0376	0.0199	0.0247			
9/19/2017						0.034
9/20/2017					0.0164	
9/21/2017	0.0418			0.0152		
9/22/2017		0.0195				
9/25/2017			0.0228			
3/14/2018	0.036	0.02	0.025	0.014	0.016	0.03
9/7/2018	0.047			0.015		
9/10/2018					0.016	0.028
9/11/2018		0.019	0.019			

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.044					
3/12/2019		0.021	0.014	0.014	0.016	0.03
9/6/2019				0.014		0.0275 (D)
9/9/2019	0.03		0.028		0.015	
9/10/2019		0.019				
3/4/2020	0.045				0.017	
3/5/2020		0.018		0.015		0.028
3/6/2020			0.015			
9/4/2020						0.033
9/9/2020	0.051	0.018	0.016	0.014	0.014	
2/26/2021			0.017	0.015	0.016	
3/9/2021	0.058					0.027
3/10/2021		0.019				
7/29/2021			0.016	0.015		
7/30/2021	0.045	0.019				
8/2/2021						0.03
8/5/2021					0.017	
1/27/2022				0.014	0.016	0.028
1/28/2022	0.049	0.018	0.044			
8/9/2022					0.014	0.029
8/10/2022			0.013	0.014		
8/11/2022	0.034	0.017				
2/9/2023			0.016	0.015	0.015	
2/10/2023	0.053	0.018				0.031
8/3/2023		0.019	0.012			0.035
8/4/2023	0.034			0.013	0.014	

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.019	0.015	
9/18/2014	0.023	0.057	0.042			
10/4/2014				0.019	0.015	
10/5/2014	0.025	0.052	0.038			
10/22/2014	0.025	0.052	0.029			
10/23/2014				0.019	0.015	
11/5/2014	0.025	<0.0013	0.031			
11/10/2014				0.019	0.015	
3/4/2015	0.024	0.046	0.03	0.021	0.016	
3/19/2015	0.024	0.045				
3/20/2015			0.027	0.02	0.015	
4/8/2015	0.027	0.045	0.032	0.023		
4/9/2015					0.016	
4/23/2015			0.026	0.02	0.015	
4/24/2015	0.025	0.039				
7/30/2015	0.025	0.039	0.029	0.021	0.015	
3/4/2016				0.0422 (o)		
3/7/2016		0.026				
3/8/2016	0.0377				0.0161	
3/9/2016			0.0284 (J)			
5/4/2016					0.0167	
5/5/2016		0.0374		0.0249		
5/6/2016			0.0233			
5/9/2016	0.0347					
7/12/2016				0.0246		
7/14/2016		0.0271				
7/15/2016	0.0259		0.0208			
7/18/2016					0.0162	
9/9/2016	0.0242					
9/12/2016		0.045				
9/13/2016				0.0236	0.0161	
9/14/2016			0.0198			
10/27/2016	0.0227	0.0359		0.0229	0.016	
11/1/2016			0.0207			
1/12/2017	0.0253					
1/13/2017		0.0338		0.0292	0.015	
1/25/2017			0.0195			
3/16/2017					0.0163	
3/20/2017		0.033		0.029		
3/21/2017	0.0292					
3/22/2017			0.0211			
5/19/2017				0.0295	0.0164	
5/23/2017	0.0282	0.0287				
5/24/2017			0.0217			
9/19/2017	0.0276	0.0389		0.0248	0.0147	
9/21/2017			0.0226			
3/13/2018		0.028		0.031	0.015	
3/14/2018	0.024		0.024			
9/7/2018		0.055				
9/10/2018	0.016					
9/11/2018			0.023	0.024	0.015	
3/8/2019				0.02	0.017	

Time Series

Constituent: Barium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.015	0.048				
3/12/2019			0.022			
9/5/2019		0.045		0.021 (D)	0.016	
9/6/2019	0.041		0.021			
3/3/2020	0.022	0.044		0.02	0.015	
3/5/2020			0.022			
9/4/2020					0.016	
9/8/2020	0.015	0.054				
9/9/2020			0.036	0.024		
3/9/2021	0.014	0.045		0.021	0.016	
3/10/2021			0.026			
7/29/2021				0.014		
7/30/2021			0.028			
8/2/2021	0.024	0.034			0.018	
1/27/2022		0.06			0.017	
1/28/2022	0.037		0.036	0.025		
8/8/2022						0.037
8/9/2022				0.015	0.015	
8/10/2022	0.03	0.042				
8/11/2022			0.034			
2/8/2023						0.041
2/9/2023	0.031	0.04		0.018	0.016	
2/10/2023			0.038			
8/2/2023						0.026
8/3/2023		0.033	0.042	0.017	0.014	
8/4/2023	0.025					

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00011 (J)	0.0032				
9/16/2014			<0.003	<0.003		
10/3/2014	<0.003	<0.003	<0.003	8.3E-05 (J)		
10/20/2014	<0.003	0.0014	<0.003	7.8E-05 (J)		
11/10/2014	<0.003	<0.003	<0.003	8E-05 (J)		
3/2/2015	<0.003	<0.003	<0.003	0.00034 (J)		
3/17/2015	0.0001 (J)	8.3E-05 (J)	<0.003	0.00014 (J)		
4/5/2015	0.00012 (J)	0.00038 (J)	<0.003			
4/6/2015				<0.003		
4/21/2015	0.00033 (J)	0.0011 (J)				
4/22/2015			8.3E-05 (J)	7.8E-05 (J)		
5/8/2015					<0.003	<0.003
5/17/2015					0.00022 (J)	<0.003
5/25/2015					<0.003	<0.003
6/8/2015					<0.003	<0.003
6/18/2015					<0.003	<0.003
6/24/2015					<0.003	<0.003
6/30/2015					<0.003	<0.003
7/6/2015					<0.003	<0.003
7/28/2015	0.00014 (J)	0.00092 (J)	<0.003	<0.003		
8/12/2015					<0.003	<0.003
2/29/2016						<0.003
3/1/2016	<0.003	<0.003	<0.003			
3/2/2016				<0.003		
5/2/2016	<0.003	<0.003				
5/3/2016			<0.003	<0.003		
5/4/2016					<0.003	<0.003
7/6/2016		0.0002 (J)				
7/7/2016	0.0001 (J)			<0.003	<0.003	
7/8/2016			<0.003			<0.003
9/7/2016	0.0001 (J)	<0.003	<0.003			
9/8/2016				<0.003	<0.003	<0.003
10/25/2016	<0.003	<0.003	<0.003	<0.003		
10/26/2016					<0.003	<0.003
1/5/2017	0.0001 (J)	0.0001 (J)				
1/6/2017			<0.003		<0.003	<0.003
2/9/2017				<0.003		
3/14/2017		0.0001 (J)	<0.003			
3/15/2017	0.0002 (J)				<0.003	<0.003
3/23/2017				<0.003		
5/16/2017		<0.003	<0.003			
5/17/2017	0.0002 (J)			<0.003		<0.003
5/18/2017				<0.003		
7/19/2017				<0.003		
9/15/2017	0.0002 (J)	<0.003	<0.003			<0.003
9/19/2017				<0.003	<0.003	
3/12/2018	0.00017 (J)	5.6E-05 (J)	<0.003			
3/13/2018				<0.003	<0.003	<0.003
9/6/2018	0.00015 (J)	<0.003	<0.003	<0.003		<0.003
9/7/2018				<0.003		
3/6/2019	0.00029 (J)		<0.003			
3/7/2019		6.8E-05 (J)		<0.003		<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.003	
9/4/2019	0.00016 (J)	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2020	0.00024 (J)	0.00015 (J)	<0.003	<0.003		<0.003
3/3/2020					<0.003	
9/3/2020	0.0002 (J)		<0.003	<0.003		<0.003
9/9/2020					<0.003	
9/14/2020		0.00012 (J)				
2/24/2021	0.00022 (J)		<0.003	<0.003		<0.003
2/25/2021					<0.003	
3/26/2021		0.00019 (J)				
7/27/2021		8.1E-05 (J)				9.7E-05 (J)
7/28/2021			<0.003	<0.003	<0.003	
8/6/2021	6.3E-05 (J)					
1/25/2022				<0.003		<0.003
1/26/2022		<0.003	<0.003		<0.003	
8/5/2022				<0.003		<0.003
8/8/2022		<0.003	<0.003			
8/9/2022					<0.003	
2/8/2023		<0.003	<0.003	<0.003		
8/2/2023			<0.003	<0.003		
8/3/2023		<0.003				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.003				
5/9/2015	<0.003		<0.003	<0.003	<0.003	<0.003
5/17/2015		<0.003				
5/18/2015	<0.003		<0.003	<0.003	0.00011 (J)	
5/19/2015						<0.003
5/25/2015	<0.003	<0.003	<0.003			
5/26/2015				<0.003	<0.003	<0.003
6/8/2015	<0.003	<0.003				
6/9/2015			<0.003	<0.003	0.00025 (J)	<0.003
6/17/2015	<0.003		<0.003	<0.003	<0.003	<0.003
6/18/2015		<0.003				
6/24/2015	<0.003	<0.003				
6/25/2015			<0.003	<0.003	<0.003	<0.003
6/30/2015	<0.003	0.00014 (J)				
7/1/2015			<0.003	<0.003	0.00024 (J)	<0.003
7/6/2015	<0.003	<0.003				
7/7/2015			<0.003	0.00012 (J)	<0.003	<0.003
8/12/2015	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/2/2016	<0.003	<0.003	<0.003	<0.003		
3/3/2016					<0.003	<0.003
5/3/2016	<0.003	<0.003		<0.003	<0.003	
5/4/2016			<0.003			
5/9/2016						<0.003
7/8/2016	<0.003		<0.003			
7/11/2016		<0.003		<0.003	<0.003	0.0001 (J)
9/7/2016		<0.003				
9/8/2016	<0.003		<0.003			
9/9/2016				<0.003	<0.003	<0.003
10/26/2016	<0.003		<0.003	<0.003		<0.003
10/27/2016		<0.003			<0.003	
1/6/2017		<0.003				
1/9/2017	<0.003		<0.003	<0.003	<0.003	<0.003
3/15/2017			<0.003			<0.003
3/16/2017	<0.003	<0.003		<0.003	<0.003	
5/18/2017			<0.003	<0.003	<0.003	<0.003
5/19/2017	<0.003	<0.003				
9/15/2017			<0.003	<0.003		<0.003
9/18/2017					<0.003	
9/19/2017	<0.003	<0.003				
3/12/2018				<0.003	<0.003	
3/13/2018	<0.003	<0.003	<0.003			<0.003
9/6/2018			<0.003			
9/7/2018				<0.003	<0.003	<0.003
9/11/2018	<0.003	<0.003				
3/7/2019			<0.003		<0.003	<0.003
3/8/2019	5.7E-05 (J)			<0.003		
3/12/2019		<0.003				
9/4/2019						<0.003
9/5/2019	<0.003	<0.003	<0.003	<0.003	<0.003	
3/3/2020			<0.003	<0.003		
3/4/2020	<0.003	<0.003			<0.003	<0.003
9/4/2020				<0.003	<0.003	<0.003

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/8/2020	5.5E-05 (J)	<0.003	<0.003			
2/25/2021			<0.003	<0.003	<0.003	<0.003
2/26/2021	5.1E-05 (J)	<0.003				
7/27/2021			<0.003			
7/28/2021				<0.003	<0.003	<0.003
7/29/2021	9E-05 (J)	<0.003				
1/25/2022			<0.003			
1/26/2022	7E-05 (J)	<0.003		<0.003		<0.003
1/27/2022					<0.003	
8/5/2022			<0.003			<0.003
8/8/2022	<0.003	<0.003		<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.003					
9/17/2014		<0.003	<0.003	7.8E-05 (J)	<0.003	
9/18/2014						<0.003
10/4/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/5/2014						<0.003
10/21/2014	<0.003	<0.003	<0.003	<0.003	<0.003	
10/22/2014						<0.003
11/5/2014			9E-05 (J)		<0.003	<0.003
11/11/2014	<0.003	<0.003		<0.003		
3/3/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2015						<0.003
3/18/2015	<0.003	<0.003	<0.003	<0.003		
3/19/2015					<0.003	<0.003
4/6/2015	<0.003	<0.003				
4/7/2015			<0.003	<0.003	<0.003	<0.003
4/23/2015	<0.003	<0.003	7.8E-05 (J)	<0.003		
4/24/2015					<0.003	8.3E-05 (J)
7/29/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
7/30/2015						<0.003
3/3/2016	<0.003					
3/4/2016		<0.003				
3/7/2016			<0.003	<0.003	<0.003	
3/8/2016						<0.003
5/5/2016			<0.003	<0.003		
5/9/2016					<0.003	<0.003
5/10/2016	<0.003	<0.003				
7/13/2016	<0.003		<0.003	<0.003		
7/14/2016		<0.003			<0.003	<0.003
9/12/2016				<0.003	<0.003	<0.003
9/13/2016			<0.003			
9/14/2016		<0.003				
9/15/2016	<0.003					
10/31/2016			<0.003		<0.003	<0.003
11/1/2016		<0.003		<0.003		
11/2/2016	<0.003					
1/11/2017	<0.003	<0.003		<0.003	<0.003	
1/12/2017			<0.003			<0.003
3/20/2017	<0.003			<0.003		
3/21/2017		<0.003			<0.003	
3/22/2017						<0.003
3/23/2017			<0.003			
5/22/2017				<0.003	<0.003	<0.003
5/23/2017	<0.003	<0.003	<0.003			
9/19/2017						<0.003
9/20/2017					0.0001 (J)	
9/21/2017	<0.003			<0.003		
9/22/2017		<0.003				
9/25/2017			<0.003			
3/14/2018	<0.003	<0.003	<0.003	0.00011 (J)	6.5E-05 (J)	<0.003
9/7/2018	<0.003			<0.003		
9/10/2018					<0.003	<0.003
9/11/2018		<0.003	<0.003			

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.003					
3/12/2019		<0.003	<0.003	<0.003	<0.003	<0.003
9/6/2019				<0.003		<0.003
9/9/2019	<0.003		<0.003		<0.003	
9/10/2019		<0.003				
3/4/2020	<0.003				0.00013 (J)	
3/5/2020		<0.003		0.00013 (J)		<0.003
3/6/2020			<0.003			
9/4/2020						<0.003
9/9/2020	<0.003	<0.003	<0.003	0.0002 (J)	<0.003	
2/26/2021			<0.003	0.0002 (J)	<0.003	
3/9/2021	<0.003					<0.003
3/10/2021		<0.003				
7/29/2021			<0.003	0.00015 (J)		
7/30/2021	<0.003	<0.003				
8/2/2021						<0.003
8/5/2021					9.9E-05 (J)	
1/27/2022				5.5E-05 (J)	<0.003	<0.003
1/28/2022	<0.003	<0.003	<0.003			
8/9/2022					<0.003	<0.003
8/10/2022			<0.003	5.6E-05 (J)		
8/11/2022	<0.003	<0.003				
2/9/2023			<0.003	0.00015 (J)	<0.003	
2/10/2023	<0.003	<0.003				<0.003
8/3/2023		<0.003	<0.003			<0.003
8/4/2023	<0.003			<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.003	<0.003	
9/18/2014	<0.003	<0.003	<0.003			
10/4/2014				<0.003	<0.003	
10/5/2014	<0.003	<0.003	<0.003			
10/22/2014	<0.003	<0.003	<0.003			
10/23/2014				<0.003	<0.003	
11/5/2014	<0.003	<0.003	<0.003			
11/10/2014				<0.003	<0.003	
3/4/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/19/2015	<0.003	<0.003				
3/20/2015			<0.003	<0.003	<0.003	
4/8/2015	<0.003	<0.003	<0.003	<0.003		
4/9/2015					<0.003	
4/23/2015			<0.003	<0.003	<0.003	
4/24/2015	<0.003	<0.003				
7/30/2015	<0.003	<0.003	<0.003	<0.003	<0.003	
3/4/2016				<0.003		
3/7/2016		<0.003				
3/8/2016	<0.003				<0.003	
3/9/2016			<0.003			
5/4/2016					<0.003	
5/5/2016		<0.003		<0.003		
5/6/2016			<0.003			
5/9/2016	<0.003					
7/12/2016				<0.003		
7/14/2016		<0.003				
7/15/2016	<0.003		<0.003			
7/18/2016					<0.003	
9/9/2016	<0.003					
9/12/2016		<0.003				
9/13/2016				<0.003	<0.003	
9/14/2016			<0.003			
10/27/2016	<0.003	<0.003		<0.003	<0.003	
11/1/2016			<0.003			
1/12/2017	<0.003					
1/13/2017		<0.003		<0.003	<0.003	
1/25/2017			<0.003			
3/16/2017					<0.003	
3/20/2017		<0.003		<0.003		
3/21/2017	<0.003					
3/22/2017			<0.003			
5/19/2017				<0.003	<0.003	
5/23/2017	<0.003	<0.003				
5/24/2017			<0.003			
9/19/2017	<0.003	<0.003		<0.003	<0.003	
9/21/2017			<0.003			
3/13/2018		<0.003		<0.003	<0.003	
3/14/2018	<0.003		<0.003			
9/7/2018		<0.003				
9/10/2018	<0.003					
9/11/2018			<0.003	<0.003	<0.003	
3/8/2019				<0.003	<0.003	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.003	<0.003				
3/12/2019			<0.003			
9/5/2019		<0.003		<0.003	<0.003	
9/6/2019	<0.003		<0.003			
3/3/2020	<0.003	<0.003		<0.003	<0.003	
3/5/2020			<0.003			
9/4/2020					<0.003	
9/8/2020	<0.003	<0.003				
9/9/2020			<0.003	<0.003		
3/9/2021	<0.003	<0.003		<0.003	<0.003	
3/10/2021			<0.003			
7/29/2021				<0.003		
7/30/2021			<0.003			
8/2/2021	<0.003	<0.003			<0.003	
1/27/2022		<0.003			<0.003	
1/28/2022	<0.003		<0.003	<0.003		
8/8/2022						<0.003
8/9/2022				<0.003	<0.003	
8/10/2022	<0.003	<0.003				
8/11/2022			<0.003			
2/8/2023						7.7E-05 (J)
2/9/2023	<0.003	<0.003		<0.003	<0.003	
2/10/2023			<0.003			
8/2/2023						<0.003
8/3/2023		<0.003	<0.003	<0.003	<0.003	
8/4/2023	<0.003					

Time Series

Constituent: Boron (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						<0.04
3/1/2016	<0.04	<0.04	<0.04			
3/2/2016				<0.04		
5/2/2016	<0.04	<0.04				
5/3/2016			<0.04	<0.04		
5/4/2016					<0.04	<0.04
7/6/2016		0.0059 (J)				
7/7/2016	0.0081 (J)			<0.04	0.0096 (J)	
7/8/2016			0.0067 (J)			0.009 (J)
9/7/2016	<0.04	<0.04	0.0084 (J)			
9/8/2016				<0.04	0.0137 (J)	<0.04
10/25/2016	0.0071 (J)	0.0077 (J)	0.0089 (J)	<0.04		
10/26/2016					0.0247 (J)	0.0077 (J)
1/5/2017	<0.04	0.0074 (J)				
1/6/2017			<0.04		0.0082 (J)	0.0084 (J)
2/9/2017				<0.04		
3/14/2017		0.0062 (J)	<0.04			
3/15/2017	<0.04				<0.04	<0.04
3/23/2017				<0.04		
5/16/2017		<0.04	<0.04			
5/17/2017	<0.04			<0.04		<0.04
5/18/2017					0.0076 (J)	
7/19/2017					0.0193 (J)	
9/15/2017	<0.04	<0.04	<0.04			<0.04
9/19/2017				<0.04	0.0132 (J)	
3/12/2018	<0.04	0.0082 (J)	0.004 (J)			
3/13/2018				<0.04	0.013 (J)	0.0084 (J)
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04
9/7/2018					<0.04	
3/6/2019	<0.04		<0.04			
3/7/2019		0.0049 (J)		<0.04		<0.04
3/8/2019					0.0085 (J)	
9/4/2019	<0.04	<0.04	<0.04	<0.04	0.01 (J)	<0.04
3/2/2020	0.01 (J)	0.014 (J)	0.0052 (J)	<0.04		0.007 (J)
3/3/2020					0.0096 (J)	
9/3/2020	<0.04		<0.04	<0.04		<0.04
9/9/2020					0.0054 (J)	
9/14/2020		0.0065 (J)				
2/24/2021	0.0062 (J)		<0.04	<0.04		0.0099 (J)
2/25/2021					0.0052 (J)	
3/26/2021		0.019 (J)				
7/27/2021		0.013 (J)				0.021 (J)
7/28/2021			<0.04	<0.04	<0.04	
8/6/2021	<0.04					
1/25/2022				<0.04		<0.04
1/26/2022		0.012 (J)	<0.04		0.0088 (J)	
8/5/2022				0.009 (J)		<0.04
8/8/2022		0.018 (J)	<0.04			
8/9/2022					<0.04	
2/8/2023		0.023 (J)	<0.04	<0.04		
8/2/2023			<0.04	<0.04		
8/3/2023		0.018 (J)				

Time Series

Constituent: Boron (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	<0.04	<0.04	<0.04	<0.04		
3/3/2016					<0.04	<0.04
5/3/2016	<0.04	<0.04		<0.04	<0.04	
5/4/2016			<0.04			
5/9/2016						<0.04
7/8/2016	<0.04		0.0046 (J)			
7/11/2016		<0.04		0.0054 (J)	0.0047 (J)	0.0128 (J)
9/7/2016		<0.04				
9/8/2016	<0.04		0.0081 (J)			
9/9/2016				<0.04	<0.04	0.0158 (J)
10/26/2016	0.0095 (J)		0.0088 (J)	0.0144 (J)		0.0257 (J)
10/27/2016		0.0148 (J)			0.0108 (J)	
1/6/2017		<0.04				
1/9/2017	<0.04		<0.04	<0.04	<0.04	0.0219 (J)
3/15/2017			<0.04			0.0253 (J)
3/16/2017	<0.04	<0.04		<0.04	<0.04	
5/18/2017			<0.04	<0.04	<0.04	0.0249 (J)
5/19/2017	<0.04	<0.04				
9/15/2017			<0.04	<0.04		<0.04
9/18/2017					<0.04	
9/19/2017	<0.04	<0.04				
3/12/2018				0.0055 (J)	0.0041 (J)	
3/13/2018	<0.04	<0.04	0.0053 (J)			0.024 (J)
9/6/2018			<0.04			
9/7/2018				<0.04	<0.04	0.024 (J)
9/11/2018	<0.04	<0.04				
3/7/2019			<0.04		<0.04	0.02 (J)
3/8/2019	<0.04			0.0056 (J)		
3/12/2019		<0.04				
9/4/2019						0.015 (J)
9/5/2019	<0.04	<0.04	<0.04	<0.04	<0.04	
3/3/2020			0.0084 (J)	0.01 (J)		
3/4/2020	0.0064 (J)	<0.04			0.0063 (J)	0.022 (J)
9/4/2020				0.0053 (J)	<0.04	0.015 (J)
9/8/2020	0.0072 (J)	<0.04	<0.04			
2/25/2021			<0.04	0.0075 (J)	0.0055 (J)	0.017 (J)
2/26/2021	<0.04	<0.04				
7/27/2021			<0.04			
7/28/2021				<0.04	<0.04	0.016 (J)
7/29/2021	<0.04	<0.04				
1/25/2022			<0.04			
1/26/2022	<0.04	<0.04		<0.04		0.014 (J)
1/27/2022					<0.04	
8/5/2022			<0.04			0.015 (J)
8/8/2022	<0.04	<0.04		<0.04	<0.04	

Time Series

Constituent: Boron (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	<0.04					
3/4/2016		<0.04				
3/7/2016			<0.04	<0.04	<0.04	
3/8/2016						<0.04
5/5/2016			<0.04	<0.04		
5/9/2016					<0.04	<0.04
5/10/2016	<0.04	<0.04				
7/13/2016	0.0297 (J)		0.0047 (J)	0.0159 (J)		
7/14/2016		0.0069 (J)			0.0045 (J)	<0.04
9/12/2016				<0.04	<0.04	<0.04
9/13/2016			<0.04			
9/14/2016		<0.04				
9/15/2016	<0.04					
10/31/2016			0.0111 (J)		0.0086 (J)	0.007 (J)
11/1/2016		<0.04		<0.04		
11/2/2016	<0.04					
1/11/2017	<0.04	0.0078 (J)		<0.04	<0.04	
1/12/2017			<0.04			<0.04
3/20/2017	0.0092 (J)			<0.04		
3/21/2017		<0.04			<0.04	
3/22/2017						<0.04
3/23/2017			<0.04			
5/22/2017				0.0452	<0.04	<0.04
5/23/2017	<0.04	<0.04	<0.04			
9/19/2017						<0.04
9/20/2017					<0.04	
9/21/2017	<0.04			<0.04		
9/22/2017		<0.04				
9/25/2017			<0.04			
3/14/2018	0.0065 (J)	0.0051 (J)	<0.04	<0.04	0.0076 (J)	<0.04
9/7/2018	<0.04			<0.04		
9/10/2018					<0.04	<0.04
9/11/2018		<0.04	<0.04			
3/11/2019	0.013 (J)					
3/12/2019		0.0099 (J)	<0.04	<0.04	<0.04	0.0045 (J)
9/6/2019				<0.04		0.02365 (JD)
9/9/2019	<0.04		<0.04		<0.04	
9/10/2019		<0.04				
3/4/2020	0.027 (J)				<0.04	
3/5/2020		<0.04		<0.04		<0.04
3/6/2020			<0.04			
9/4/2020						<0.04
9/9/2020	0.012 (J)	<0.04	<0.04	<0.04	<0.04	
2/26/2021			<0.04	<0.04	<0.04	
3/9/2021	0.028 (J)					<0.04
3/10/2021		<0.04				
7/29/2021			<0.04	<0.04		
7/30/2021	0.017 (J)	<0.04				
8/2/2021						<0.04
8/5/2021					<0.04	
1/27/2022				<0.04	<0.04	<0.04
1/28/2022	0.021 (J)	<0.04	<0.04			

Time Series

Constituent: Boron (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					<0.04	<0.04
8/10/2022			<0.04	<0.04		
8/11/2022	0.013 (J)	<0.04				
2/9/2023			<0.04	<0.04	<0.04	
2/10/2023	0.02 (J)	<0.04				<0.04
8/3/2023		0.014 (J)	<0.04			<0.04
8/4/2023	<0.04			<0.04	<0.04	

Time Series

Constituent: Boron (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				<0.04		
3/7/2016		<0.04				
3/8/2016	<0.04				<0.04	
3/9/2016			<0.04			
5/4/2016					<0.04	
5/5/2016		<0.04		<0.04		
5/6/2016			0.0271 (J)			
5/9/2016	<0.04					
7/12/2016				0.005 (J)		
7/14/2016		0.0047 (J)				
7/15/2016	<0.04		0.0055 (J)			
7/18/2016					<0.04	
9/9/2016	<0.04					
9/12/2016		<0.04				
9/13/2016				<0.04	<0.04	
9/14/2016			0.0094 (J)			
10/27/2016	0.0103 (J)	0.0153 (J)		0.0093 (J)	0.0162 (J)	
11/1/2016			0.008 (J)			
1/12/2017	<0.04					
1/13/2017		<0.04		<0.04	<0.04	
1/25/2017			<0.04			
3/16/2017					<0.04	
3/20/2017		<0.04		<0.04		
3/21/2017	<0.04					
3/22/2017			<0.04			
5/19/2017				<0.04	<0.04	
5/23/2017	<0.04	<0.04				
5/24/2017			0.0133 (J)			
9/19/2017	<0.04	<0.04		<0.04	<0.04	
9/21/2017			<0.04			
3/13/2018		<0.04		0.0042 (J)	<0.04	
3/14/2018	0.0053 (J)		0.0056 (J)			
9/7/2018		<0.04				
9/10/2018	<0.04					
9/11/2018			<0.04	<0.04	<0.04	
3/8/2019				<0.04	<0.04	
3/11/2019	0.005 (J)	<0.04				
3/12/2019			0.0047 (J)			
9/5/2019		<0.04		<0.04	<0.04	
9/6/2019	<0.04		<0.04			
3/3/2020	0.0096 (J)	0.0066 (J)		<0.04	<0.04	
3/5/2020			<0.04			
9/4/2020					<0.04	
9/8/2020	0.014 (J)	0.0084 (J)				
9/9/2020			<0.04	<0.04		
3/9/2021	0.015 (J)	0.0058 (J)		<0.04	<0.04	
3/10/2021			<0.04			
7/29/2021				<0.04		
7/30/2021			<0.04			
8/2/2021	0.017 (J)	<0.04			<0.04	
1/27/2022		<0.04			<0.04	
1/28/2022	0.011 (J)		<0.04	<0.04		

Time Series

Constituent: Boron (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						0.023 (J)
8/9/2022				<0.04	<0.04	
8/10/2022	<0.04	<0.04				
8/11/2022			<0.04			
2/8/2023						0.028 (J)
2/9/2023	0.012 (J)	<0.04		<0.04	<0.04	
2/10/2023			<0.04			
8/2/2023						0.0091 (J)
8/3/2023		<0.04	<0.04	<0.04	<0.04	
8/4/2023	<0.04					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.00035 (J)	0.001 (J)				
9/16/2014			<0.0005	<0.0005		
10/3/2014	<0.0013	<0.0005	<0.0005	<0.0005		
10/20/2014	<0.0013	0.00036 (J)	<0.0005	<0.0005		
11/10/2014	0.00033 (J)	<0.0005	0.00026 (J)	<0.0005		
3/2/2015	<0.0013	<0.0005	<0.0005	0.00035 (J)		
3/17/2015	0.00057 (J)	<0.0005	<0.0005	<0.0005		
4/5/2015	0.00068 (J)	<0.0005	<0.0005			
4/6/2015				<0.0005		
4/21/2015	0.0011 (J)	0.00044 (J)				
4/22/2015			<0.0005	<0.0005		
5/8/2015					<0.0005	<0.0005
5/17/2015					0.00029 (J)	<0.0005
5/25/2015					<0.0005	<0.0005
6/8/2015					<0.0005	<0.0005
6/18/2015					<0.0005	<0.0005
6/24/2015					<0.0005	<0.0005
6/30/2015					<0.0005	<0.0005
7/6/2015					<0.0005	<0.0005
7/28/2015	0.00073 (J)	0.00027 (J)	<0.0005	<0.0005		
8/12/2015					<0.0005	<0.0005
2/29/2016						<0.0005
3/1/2016	0.00103	0.000207 (J)	0.000103 (J)			
3/2/2016				0.000109 (J)		
5/2/2016	0.000846 (J)	0.000154 (J)				
5/3/2016			<0.0005	<0.0005		
5/4/2016					<0.0005	<0.0005
7/6/2016		0.0002 (J)				
7/7/2016	0.0007 (J)			<0.0005	<0.0005	
7/8/2016			<0.0005			<0.0005
9/7/2016	0.0007 (J)	0.0002 (J)	<0.0005			
9/8/2016				0.0001 (J)	<0.0005	<0.0005
10/25/2016	0.0007 (J)	0.0002 (J)	<0.0005	<0.0005		
10/26/2016					<0.0005	<0.0005
1/5/2017	0.0008 (J)	<0.0005				
1/6/2017			<0.0005		<0.0005	<0.0005
2/9/2017				0.0001 (J)		
3/14/2017		<0.0005	<0.0005			
3/15/2017	0.0013				0.00055 (JD)	<0.0005
3/23/2017				0.0001 (J)		
5/16/2017		0.0001 (J)	<0.0005			
5/17/2017	0.001			0.0001 (J)		<0.0005
5/18/2017					<0.0005 (D)	
7/19/2017					<0.0005 (D)	
9/15/2017	0.0011	<0.0005	<0.0005			<0.0005
9/19/2017				<0.0005	<0.0005 (D)	
3/12/2018	0.0011	0.00013 (J)	<0.0005			
3/13/2018				<0.0005	<0.0005	<0.0005
9/6/2018	0.00086 (J)	0.00011 (J)	<0.0005	<0.0005		<0.0005
9/7/2018					<0.0005	
3/6/2019	0.0013		9.3E-05 (J)			
3/7/2019		0.00017 (J)		<0.0005		<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0005	
9/4/2019	0.00088 (J)	0.00016 (J)	<0.0005	<0.0005	<0.0005	<0.0005
3/2/2020	0.0012 (J)	0.00018 (J)	<0.0005	<0.0005		<0.0005
3/3/2020					<0.0005	
9/3/2020	0.00089 (J)		<0.0005	<0.0005		<0.0005
9/9/2020					<0.0005	
9/14/2020		0.00016 (J)				
2/24/2021	0.0012		<0.0005	<0.0005		<0.0005
2/25/2021					<0.0005	
3/26/2021		0.00015 (J)				
7/27/2021		0.00014 (J)				<0.0005
7/28/2021			0.00025 (J)	<0.0005	<0.0005	
8/6/2021	0.00055					
1/25/2022				<0.0005		<0.0005
1/26/2022		<0.0005	<0.0005		<0.0005	
8/5/2022				<0.0005		<0.0005
8/8/2022		0.00016 (J)	0.00032 (J)			
8/9/2022					<0.0005	
2/8/2023		<0.0005	<0.0005	<0.0005		
8/2/2023			<0.0005	<0.0005		
8/3/2023		<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0005				
5/9/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
5/17/2015		<0.0005				
5/18/2015	<0.0005		<0.0005	<0.0005	<0.0005	
5/19/2015						<0.0005
5/25/2015	<0.0005	<0.0005	<0.0005			
5/26/2015				<0.0005	<0.0005	<0.0005
6/8/2015	<0.0005	<0.0005				
6/9/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/17/2015	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
6/18/2015		<0.0005				
6/24/2015	<0.0005	<0.0005				
6/25/2015			<0.0005	<0.0005	<0.0005	<0.0005
6/30/2015	<0.0005	<0.0005				
7/1/2015			<0.0005	<0.0005	<0.0005	<0.0005
7/6/2015	<0.0005	<0.0005				
7/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
8/12/2015	<0.0005	<0.0005	<0.0005			
8/13/2015				<0.0005	<0.0005	<0.0005
3/2/2016	<0.0005	<0.0005	<0.0005	<0.0005		
3/3/2016					<0.0005	<0.0005
5/3/2016	<0.0005	<0.0005		<0.0005	<0.0005	
5/4/2016			<0.0005			
5/9/2016						<0.0005
7/8/2016	<0.0005		<0.0005			
7/11/2016		<0.0005		<0.0005	<0.0005	<0.0005
9/7/2016		<0.0005				
9/8/2016	<0.0005		<0.0005			
9/9/2016				<0.0005	<0.0005	<0.0005
10/26/2016	<0.0005		<0.0005	<0.0005		<0.0005
10/27/2016		<0.0005			<0.0005	
1/6/2017		<0.0005				
1/9/2017	<0.0005		<0.0005	<0.0005	<0.0005	<0.0005
3/15/2017			<0.0005			<0.0005
3/16/2017	<0.0005	<0.0005		<0.0005	<0.0005	
5/18/2017			<0.0005	<0.0005	<0.0005	<0.0005
5/19/2017	<0.0005	<0.0005				
9/15/2017			<0.0005	<0.0005		<0.0005
9/18/2017					<0.0005	
9/19/2017	<0.0005	<0.0005				
3/12/2018				<0.0005	<0.0005	
3/13/2018	<0.0005	<0.0005	<0.0005			<0.0005
9/6/2018			<0.0005			
9/7/2018				<0.0005	<0.0005	<0.0005
9/11/2018	<0.0005	<0.0005				
3/7/2019			<0.0005		<0.0005	<0.0005
3/8/2019	<0.0005			<0.0005		
3/12/2019		<0.0005				
9/4/2019						<0.0005
9/5/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/3/2020			<0.0005	<0.0005		
3/4/2020	<0.0005	<0.0005			<0.0005	<0.0005

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0005	<0.0005	<0.0005
9/8/2020	<0.0005	<0.0005	<0.0005			
2/25/2021			<0.0005	<0.0005	<0.0005	<0.0005
2/26/2021	<0.0005	<0.0005				
7/27/2021			<0.0005			
7/28/2021				<0.0005	<0.0005	<0.0005
7/29/2021	<0.0005	<0.0005				
1/25/2022			<0.0005			
1/26/2022	<0.0005	<0.0005		<0.0005		<0.0005
1/27/2022					<0.0005	
8/5/2022			<0.0005			<0.0005
8/8/2022	0.0004 (J)	0.00022 (J)		<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.0005					
9/17/2014		<0.0005	<0.0005	<0.0005	<0.0005	
9/18/2014						<0.0005
10/4/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/5/2014						<0.0005
10/21/2014	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
10/22/2014						<0.0005
11/5/2014			<0.0005		<0.0005	<0.0005
11/11/2014	<0.0005	<0.0005		<0.0005		
3/3/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2015						<0.0005
3/18/2015	<0.0005	<0.0005	<0.0005	<0.0005		
3/19/2015					<0.0005	<0.0005
4/6/2015	<0.0005	<0.0005				
4/7/2015			<0.0005	<0.0005	<0.0005	<0.0005
4/23/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/24/2015					<0.0005	<0.0005
7/29/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
7/30/2015						<0.0005
3/3/2016	<0.0005					
3/4/2016		<0.0005				
3/7/2016			<0.0005	<0.0005	<0.0005	
3/8/2016						<0.0005
5/5/2016			<0.0005	<0.0005		
5/9/2016					<0.0005	<0.0005
5/10/2016	<0.0005	<0.0005				
7/13/2016	<0.0005		<0.0005	<0.0005		
7/14/2016		<0.0005			<0.0005	<0.0005
9/12/2016				<0.0005	<0.0005	<0.0005
9/13/2016			<0.0005			
9/14/2016		<0.0005				
9/15/2016	<0.0005					
10/31/2016			8E-05 (J)		<0.0005	<0.0005
11/1/2016		<0.0005		<0.0005		
11/2/2016	<0.0005					
1/11/2017	<0.0005	<0.0005		<0.0005	<0.0005	
1/12/2017			<0.0005			<0.0005
3/20/2017	<0.0005			<0.0005		
3/21/2017		<0.0005			<0.0005	
3/22/2017						<0.0005
3/23/2017			<0.0005			
5/22/2017				<0.0005	<0.0005	<0.0005
5/23/2017	<0.0005	<0.0005	<0.0005			
9/19/2017						<0.0005
9/20/2017					<0.0005	
9/21/2017	<0.0005			<0.0005		
9/22/2017		<0.0005				
9/25/2017			<0.0005			
3/14/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/7/2018	<0.0005			<0.0005		
9/10/2018					<0.0005	<0.0005
9/11/2018		<0.0005	<0.0005			

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0005					
3/12/2019		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
9/6/2019				<0.0005		<0.0005
9/9/2019	<0.0005		<0.0005		<0.0005	
9/10/2019		<0.0005				
3/4/2020	<0.0005				<0.0005	
3/5/2020		<0.0005		<0.0005		<0.0005
3/6/2020			<0.0005			
9/4/2020						<0.0005
9/9/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
2/26/2021			<0.0005	<0.0005	<0.0005	
3/9/2021	<0.0005					<0.0005
3/10/2021		<0.0005				
7/29/2021			<0.0005	<0.0005		
7/30/2021	<0.0005	<0.0005				
8/2/2021						<0.0005
8/5/2021					<0.0005	
1/27/2022				<0.0005	<0.0005	<0.0005
1/28/2022	<0.0005	<0.0005	<0.0005			
8/9/2022					<0.0005	<0.0005
8/10/2022			<0.0005	<0.0005		
8/11/2022	<0.0005	<0.0005				
2/9/2023			<0.0005	<0.0005	<0.0005	
2/10/2023	<0.0005	<0.0005				<0.0005
8/3/2023		<0.0005	<0.0005			<0.0005
8/4/2023	<0.0005			<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.0005	<0.0005	
9/18/2014	<0.0005	<0.0005	<0.0005			
10/4/2014				<0.0005	<0.0005	
10/5/2014	<0.0005	<0.0005	<0.0005			
10/22/2014	<0.0005	<0.0005	<0.0005			
10/23/2014				<0.0005	<0.0005	
11/5/2014	<0.0005	<0.0005	<0.0005			
11/10/2014				<0.0005	<0.0005	
3/4/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/19/2015	<0.0005	<0.0005				
3/20/2015			<0.0005	<0.0005	<0.0005	
4/8/2015	<0.0005	<0.0005	<0.0005	<0.0005		
4/9/2015					<0.0005	
4/23/2015			<0.0005	<0.0005	<0.0005	
4/24/2015	<0.0005	<0.0005				
7/30/2015	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
3/4/2016				<0.0005		
3/7/2016		<0.0005				
3/8/2016	<0.0005				<0.0005	
3/9/2016			<0.0005			
5/4/2016					<0.0005	
5/5/2016		<0.0005		<0.0005		
5/6/2016			<0.0005			
5/9/2016	<0.0005					
7/12/2016				<0.0005		
7/14/2016		<0.0005				
7/15/2016	<0.0005		<0.0005			
7/18/2016					<0.0005	
9/9/2016	<0.0005					
9/12/2016		<0.0005				
9/13/2016				<0.0005	<0.0005	
9/14/2016			<0.0005			
10/27/2016	<0.0005	<0.0005		<0.0005	<0.0005	
11/1/2016			<0.0005			
1/12/2017	<0.0005					
1/13/2017		8E-05 (J)		<0.0005	0.0001 (J)	
1/25/2017			<0.0005			
3/16/2017					<0.0005	
3/20/2017		<0.0005		<0.0005		
3/21/2017	<0.0005					
3/22/2017			<0.0005			
5/19/2017				<0.0005	<0.0005	
5/23/2017	<0.0005	<0.0005				
5/24/2017			<0.0005			
9/19/2017	<0.0005	<0.0005		<0.0005	<0.0005	
9/21/2017			<0.0005			
3/13/2018		<0.0005		<0.0005	<0.0005	
3/14/2018	<0.0005		<0.0005			
9/7/2018		<0.0005				
9/10/2018	0.00021 (J)					
9/11/2018			<0.0005	<0.0005	<0.0005	
3/8/2019				<0.0005	<0.0005	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.0005	<0.0005				
3/12/2019			<0.0005			
9/5/2019		<0.0005		<0.0005	<0.0005	
9/6/2019	<0.0005		<0.0005			
3/3/2020	<0.0005	<0.0005		<0.0005	<0.0005	
3/5/2020			<0.0005			
9/4/2020					<0.0005	
9/8/2020	<0.0005	<0.0005				
9/9/2020			<0.0005	<0.0005		
3/9/2021	<0.0005	<0.0005		<0.0005	<0.0005	
3/10/2021			<0.0005			
7/29/2021				<0.0005		
7/30/2021			<0.0005			
8/2/2021	<0.0005	<0.0005			<0.0005	
1/27/2022		<0.0005			<0.0005	
1/28/2022	<0.0005		<0.0005	<0.0005		
8/8/2022						<0.0005
8/9/2022				<0.0005	<0.0005	
8/10/2022	<0.0005	<0.0005				
8/11/2022			<0.0005			
2/8/2023						<0.0005
2/9/2023	<0.0005	<0.0005		<0.0005	<0.0005	
2/10/2023			<0.0005			
8/2/2023						<0.0005
8/3/2023		<0.0005	<0.0005	<0.0005	<0.0005	
8/4/2023	<0.0005					

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						30
3/1/2016	20	32	0.98			
3/2/2016				2		
5/2/2016	19.6	30				
5/3/2016			1.12	2.68		
5/4/2016					43.4	30
7/6/2016		29.2				
7/7/2016	19.3			2.21	40.1	
7/8/2016			1			30.1
9/7/2016	19.9	28.4	0.858			
9/8/2016				1.8	37.1	26.8
10/25/2016	19.3	30.8	0.859	1.15		
10/26/2016					38.8	26.9
1/5/2017	21	32.6				
1/6/2017			1		39.6	27.6
2/9/2017				0.495 (J)		
3/14/2017		29.1	0.844			
3/15/2017	13.4				36.1	26.2
3/23/2017				0.543		
5/16/2017		28.5	0.922			
5/17/2017	16.8			0.889		27.6
5/18/2017					40.1	
7/19/2017					46.9	
9/15/2017	13.9	29.1	0.85			27.7
9/19/2017				1.28	47.7	
3/12/2018	11.8 (J)	30.6	0.81			
3/13/2018				1.4	46.1	26.2
9/6/2018	13.5 (J)	26.1	0.79	1.6		27.9
9/7/2018					44.2	
3/6/2019	11.2 (J)		0.78			
3/7/2019		28		2.6		29.5
3/8/2019					46.6	
9/4/2019	13.3	27.9	0.76	1.65 (D)	40.7	28.1
3/2/2020	12.5	35.2	0.77 (J)	2.5		33.7
3/3/2020					47.6	
9/3/2020	15.7		0.73 (J)	1		28.9
9/9/2020					44.1	
9/14/2020		32.4				
2/24/2021	13.6		0.71 (J)	1.2		37.1
2/25/2021					49.8	
3/26/2021		30.1				
7/27/2021		35.7				36.8
7/28/2021			0.75 (J)	1.1	47.1	
8/6/2021	19.5					
1/25/2022				1.1		28.6
1/26/2022		41	0.7 (J)		50.5	
8/5/2022				1.3 (J)		29.2
8/8/2022		54.8	0.74 (J)			
8/9/2022					46.1	
2/8/2023		54.1	0.7 (J)	1.3		
8/2/2023			0.64 (J)	49.2		
8/3/2023		40.8				

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	29	29	27	38		
3/3/2016					36	36
5/3/2016	31.2	31		48.7	39.1	
5/4/2016			27.6			
5/9/2016						39
7/8/2016	30		25.7			
7/11/2016		28.2		34.8	31.6	35.7
9/7/2016		27.6				
9/8/2016	28.6		26.3			
9/9/2016				32.1	29.8	32
10/26/2016	25.5		24	32.9		28.5
10/27/2016		26.5			28.9	
1/6/2017		26				
1/9/2017	26.1		24.1	32.5	27.9	27.5
3/15/2017			24.1			24.8
3/16/2017	26.7	26.6		30.8	28.2	
5/18/2017			26.7	37.2	31.3	26.9
5/19/2017	29.2	30.9				
9/15/2017			25.1	38.5		19.6
9/18/2017					29.7	
9/19/2017	26.9	28.5				
3/12/2018				39.6	38.2	
3/13/2018	28.6	29.3	24.3 (J)			26
9/6/2018			25.6			
9/7/2018				45.2	40.3	25.1
9/11/2018	27.3	26.3				
3/7/2019			23.8 (J)		40.4	33.3
3/8/2019	25.9			45.2		
3/12/2019		28				
9/4/2019						31.6
9/5/2019	29.3	29	24.6	46.2	34.6	
3/3/2020			27.1	40.1		
3/4/2020	31.2	31.6			39.9	38
9/4/2020				47.2	34.4	34.5
9/8/2020	28.5	29.4	24.5			
2/25/2021			25.3	48.5	44.8	36
2/26/2021	29.6	31.1				
7/27/2021			24.3			
7/28/2021				48.8	44.9	35.1
7/29/2021	29.4	29.4				
1/25/2022			24.3			
1/26/2022	29.6	30.4		53.2		37.6
1/27/2022					44.4	
8/5/2022			23.8			38
8/8/2022	30.4	31.8		52.3	47	

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	52					
3/4/2016		69				
3/7/2016			16	30	30	
3/8/2016						40
5/5/2016			17.2	29.6		
5/9/2016					32.6	43.8
5/10/2016	57.6	72.9				
7/13/2016	49		12.3	27.8		
7/14/2016		58.2			25.6	36
9/12/2016				29.1	29.6	42.1
9/13/2016			17.8			
9/14/2016		62.2				
9/15/2016	55.4					
10/31/2016			6.22		26.5	43.4
11/1/2016		62.5		26.2		
11/2/2016	54.8					
1/11/2017	51.6	63.9		25.2	28.5	
1/12/2017			16.6			39.1
3/20/2017	52.5			29.9		
3/21/2017		63.8			29.1	
3/22/2017						37
3/23/2017			19.6			
5/22/2017				28.9	28.2	36.8
5/23/2017	58.7	62	21			
9/19/2017						37.7
9/20/2017					32.1	
9/21/2017	63.8			30.8		
9/22/2017		67.2				
9/25/2017			17			
3/14/2018	60.6	65.6	23.4 (J)	27.6	30.7	35.9
9/7/2018	62.4			29.5		
9/10/2018					30.7	31.6
9/11/2018		63.2	18.1 (J)			
3/11/2019	63.8					
3/12/2019		65.3	23.2 (J)	28.6	31.1	35.2
9/6/2019				27.5		32.35 (D)
9/9/2019	55.7		15.2		29.6	
9/10/2019		66.7				
3/4/2020	60.6				34	
3/5/2020		71.4		32		38.9
3/6/2020			23.5			
9/4/2020						40.2
9/9/2020	57.1	63.2	15.3	28.5	30.5	
2/26/2021			25.2	31.9	33.3	
3/9/2021	76.4					35.8
3/10/2021		67.1				
7/29/2021			22	30.5		
7/30/2021	65.5	64.4				
8/2/2021						34.7
8/5/2021					33	
1/27/2022				29.3	33.2	36.2
1/28/2022	68.5	64.7	19.1			

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					34.6	38.7
8/10/2022			18.9	33.6		
8/11/2022	71.6	70.8				
2/9/2023			26.2	31.2	33.7	
2/10/2023	84.6	69.6				38.4
8/3/2023		65.2	16.5			41.9
8/4/2023	69.8			31.8	31.1	

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				32		
3/7/2016		32				
3/8/2016	63				34	
3/9/2016			55			
5/4/2016					36	
5/5/2016		32.2		34.6		
5/6/2016			62.4			
5/9/2016	50.8					
7/12/2016				29.6		
7/14/2016		26.8				
7/15/2016	48.2		49.5			
7/18/2016					31.7	
9/9/2016	56.9					
9/12/2016		31.1				
9/13/2016				31.1	32.5	
9/14/2016			54.4			
10/27/2016	57.9	29.2		32.8	30.9	
11/1/2016			52.8			
1/12/2017	60.5					
1/13/2017		30		34	31.2	
1/25/2017			57.2			
3/16/2017					29	
3/20/2017		32		33.4		
3/21/2017	63.7					
3/22/2017			58.1			
5/19/2017				33.2	33.9	
5/23/2017	60	27.5				
5/24/2017			64			
9/19/2017	58.9	30.3		29.5	31.3	
9/21/2017			61.1			
3/13/2018		32.1		30.8	33.3	
3/14/2018	65.6		59.9			
9/7/2018		32.7				
9/10/2018	61.7					
9/11/2018			60.2	29.1	30.9	
3/8/2019				28.8	33.1	
3/11/2019	67.1	33.9				
3/12/2019			61.6			
9/5/2019		31.8		29.6 (D)	34.6	
9/6/2019	57.8		55.9			
3/3/2020	70.2	37.2		33.3	37.6	
3/5/2020			63.7			
9/4/2020					36.6	
9/8/2020	61.9	34.7				
9/9/2020			57.6	31.5		
3/9/2021	64.1	35.7		33.2	36.4	
3/10/2021			62.2			
7/29/2021				32.6		
7/30/2021			58.7			
8/2/2021	59.3	34.1			35.4	
1/27/2022		36.9			34.4	
1/28/2022	60		64.9	34.4		

Time Series

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						53.1
8/9/2022				33.8	37.1	
8/10/2022	67.7	36				
8/11/2022			67			
2/8/2023						51.6
2/9/2023	68.2	37		32.8	35.6	
2/10/2023			68.7			
8/2/2023						40.7
8/3/2023		33.6	65.2	31.7	34.3	
8/4/2023	68.8					

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						2.9988
3/1/2016	2.4587	3.096	1.2389			
3/2/2016				2.4559		
5/2/2016	2.28	2.92				
5/3/2016			1.22	2.49		
5/4/2016					2.83	1.83
7/6/2016		3.2				
7/7/2016	2.4			2.5	3.1	
7/8/2016			1.2			2.2
9/7/2016	2.3	3.4	1			
9/8/2016				2.2	3	2.2
10/25/2016	2	3.4	1.2	2.5		
10/26/2016					3	2.2
1/5/2017	2.5 (J)	3.3				
1/6/2017			0.97		3.2	2.1
2/9/2017				2		
3/14/2017		2.9	1			
3/15/2017	2.1				2.8	2.3
3/23/2017				2.2		
5/16/2017		2.9	0.9			
5/17/2017	1.8			2.4		1.9
5/18/2017					3	
7/19/2017					4.1	
9/15/2017	2.1	2.7	1.1			2.1
9/19/2017				2.5	3.6	
3/12/2018	2.2	3.2	1.1			
3/13/2018				2.4	3.3	3
9/6/2018	2	2.7	1	2.7		1.9
9/7/2018					3.3	
3/6/2019	2.4		<1.1			
3/7/2019		2.8		2.9		3.6
3/8/2019					3.4	
9/4/2019	2	2.7	0.81 (J)	2.9	2.7	1.3
3/2/2020	2.1	2.4	0.78 (J)	2.5		4.9
3/3/2020					2.6	
9/3/2020	1.9		0.82 (J)	2.9		1.4
9/9/2020					2.6	
9/14/2020		2.9				
2/24/2021	2		0.84 (J)	3.1		3.3
2/25/2021					2.7	
3/26/2021		2.5				
7/27/2021		2.8				4.5
7/28/2021			0.88 (J)	3.3	2.8	
8/6/2021	1.9					
1/25/2022				3.2		1.5
1/26/2022		2.4	0.88 (J)		2.9	
8/5/2022				3.1		1
8/8/2022		2.6	0.64 (J)			
8/9/2022					2.4	
2/8/2023		3.1	1.1	3.5		
8/2/2023			1	3.4		
8/3/2023		2.5				

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	2.3976	2.556	1.4496	2.815		
3/3/2016					2.6912	8.0925
5/3/2016	2.54	2.59		3.27	2.7	
5/4/2016			1.42			
5/9/2016						2.99
7/8/2016	2.6		1.6			
7/11/2016		2.6		3.2	2.7	4.4
9/7/2016		2.6				
9/8/2016	2.5		1.2			
9/9/2016				3	2.5	5.6
10/26/2016	2.6		1.4	2.9		6.5
10/27/2016		3			3	
1/6/2017		2.5				
1/9/2017	2.5		1.5	2.9	3.1	6.7
3/15/2017			1.1			7.8
3/16/2017	2.4	2.5		2.9	2.7	
5/18/2017			1.3	2.9	3.2	7.1
5/19/2017	2.3	2.3				
9/15/2017			1.2	3.2		8.4
9/18/2017					3	
9/19/2017	2.3	2.4				
3/12/2018				3.6	3.2	
3/13/2018	2.7	2.6	0.93			6.9
9/6/2018			1.1			
9/7/2018				3.8	3.3	6.9
9/11/2018	2.4	2.4				
3/7/2019			<1.2		3.2	6
3/8/2019	2.7			3.4		
3/12/2019		3.3				
9/4/2019						4.8
9/5/2019	2.3	2.4	0.81 (J)	2.9	2.9	
3/3/2020			0.77 (J)	2.7		
3/4/2020	2.2	2.3			2.6	4.5
9/4/2020				3	2.5	4.1
9/8/2020	2.3	2.3	0.8 (J)			
2/25/2021			0.78 (J)	6.7	4.8	4.4
2/26/2021	2.3	2.4				
7/27/2021			1.4			
7/28/2021				6.9	5	5
7/29/2021	2.1	2.3				
1/25/2022			0.81 (J)			
1/26/2022	2.2	2.4		5.8		5.2
1/27/2022					4.5	
8/5/2022			0.96 (J)			5.4
8/8/2022	2	2.2		4.9	4	

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	1.3707 (D)					
3/4/2016		6.4905				
3/7/2016			2.0446	2.2698	2.3254	
3/8/2016						1.2699
5/5/2016			2.28	2.48		
5/9/2016					2.48	1.39
5/10/2016	1.41	7.1				
7/13/2016	1.7		2.2	2.5		
7/14/2016		6.4			2.5	1.7
9/12/2016				2.5	2.5	1.6
9/13/2016			2			
9/14/2016		6				
9/15/2016	1.9					
10/31/2016			2.3		3	1.9
11/1/2016		7		2.9		
11/2/2016	2.3					
1/11/2017	2	6		2.5	2.5	
1/12/2017			1.9			1.8
3/20/2017	2.2			2.2		
3/21/2017		6.1			2.3	
3/22/2017						2
3/23/2017			2.2			
5/22/2017				2.3	2.4	1.9
5/23/2017	2	6	2			
9/19/2017						1.9
9/20/2017					2.4	
9/21/2017	2.3			2.3		
9/22/2017		6.2				
9/25/2017			2.1			
3/14/2018	2.1	6.1	2.1	2.2	2.2	2
9/7/2018	2.1			2.3		
9/10/2018					2.1	1.6
9/11/2018		6.7	2.3			
3/11/2019	2.4					
3/12/2019		6.9	2.8	3.3	2.8	2.7
9/6/2019				2.3		1.6
9/9/2019	1.1		2		2.3	
9/10/2019		4.5				
3/4/2020	0.79 (J)				2.3	
3/5/2020		4.5		2.2		1.5
3/6/2020			2.2			
9/4/2020						1.5
9/9/2020	1 (J)	4.3	2.1	2.3	2.4	
2/26/2021			2.3	2.4	2.4	
3/9/2021	1.5					1.9
3/10/2021		4.7				
7/29/2021			2.1	2.2		
7/30/2021	1	4.3				
8/2/2021						1.8
8/5/2021					2.6	
1/27/2022				2.3	2.5	1.9
1/28/2022	1.6	4.6	2.1			

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					2.3	1.7
8/10/2022			2.3	2.6		
8/11/2022	1.4	4.7				
2/9/2023			2.5	2.6	2.7	
2/10/2023	1.8	4.7				2
8/3/2023		4.2	1.9			1.5
8/4/2023	1.1			2.2	2.3	

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				2.7291		
3/7/2016		2.6729				
3/8/2016	4.2184				2.5307	
3/9/2016			1.5349			
5/4/2016					2.76	
5/5/2016		2.81		2.54		
5/6/2016			1.63			
5/9/2016	3.08					
7/12/2016				2.6		
7/14/2016		2.8				
7/15/2016	3.8		2			
7/18/2016					2.8	
9/9/2016	3.9					
9/12/2016		2.8				
9/13/2016				2.5	2.7	
9/14/2016			2			
10/27/2016	4.7	3.3		3.1	3.2	
11/1/2016			2.4			
1/12/2017	4.2					
1/13/2017		2.7		2.7	2.6	
1/25/2017			2.1			
3/16/2017					2.6	
3/20/2017		2.8		2.6		
3/21/2017	4.2					
3/22/2017			2.2			
5/19/2017				2.5	2.6	
5/23/2017	4.1	2.6				
5/24/2017			2			
9/19/2017	4.4	2.6		2.3	2.4	
9/21/2017			2.4			
3/13/2018		2.8		<0.25	2.7	
3/14/2018	4.4		2.2			
9/7/2018		2.7				
9/10/2018	3.9					
9/11/2018			2.4	2.3	2.4	
3/8/2019				2.6	2.8	
3/11/2019	4.2	3.2				
3/12/2019			2.4			
9/5/2019		2.7		2.2	2.5	
9/6/2019	3.5		1.4			
3/3/2020	3.9	2.5		2.1	2.4	
3/5/2020			1.3			
9/4/2020					2.5	
9/8/2020	4.1	2.6				
9/9/2020			2	2.5		
3/9/2021	5	2.4		2.1	2.3	
3/10/2021			1.6			
7/29/2021				2.2		
7/30/2021			1.4			
8/2/2021	5.6	2.4			2.3	
1/27/2022		2.5			2.4	
1/28/2022	4.6		1.7	2.2		

Time Series

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						2.7
8/9/2022				2	2.2	
8/10/2022	4.1	2.7				
8/11/2022			2.1			
2/8/2023						3.5
2/9/2023	4.5	2.7		2.5	2.6	
2/10/2023			2			
8/2/2023						2.8
8/3/2023		2.3	1.8	2.1	2.3	
8/4/2023	3.1					

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0028				
9/16/2014			0.0015	0.0026		
10/3/2014	<0.005	<0.005	0.0015	0.0021		
10/20/2014	<0.005	0.0029	0.0011 (J)	0.0023		
11/10/2014	<0.005	0.0017	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005	0.0021		
3/17/2015	<0.005	<0.005	<0.005	0.0022		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.0016		
4/21/2015	0.0011 (J)	0.0018				
4/22/2015			<0.005	0.0013		
5/8/2015					0.036 (o)	<0.005
5/17/2015					0.029 (o)	<0.005
5/25/2015					0.029 (o)	<0.005
6/8/2015					0.015	0.0013
6/18/2015					0.016	<0.005
6/24/2015					0.02	0.0013
6/30/2015					0.02	<0.005
7/6/2015					0.015	<0.005
7/28/2015	<0.005	0.0015	<0.005	0.0014		
8/12/2015					0.0139	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	0.00385 (J)	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					<0.005	<0.005
7/6/2016		0.0005 (J)				
7/7/2016	0.0004 (J)			0.002 (J)	0.0005 (J)	
7/8/2016			<0.005			0.0014 (J)
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				0.001 (J)	<0.005	<0.005
10/25/2016	<0.005	<0.005	<0.005	0.0028 (J)		
10/26/2016					<0.005	0.0011 (J)
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		<0.005	0.0011 (J)
2/9/2017				0.0012 (J)		
3/14/2017		0.0008 (J)	0.0006 (J)			
3/15/2017	0.0007 (J)				<0.005	0.0014 (J)
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	0.0004 (J)			0.0019 (J)		0.0011 (J)
5/18/2017				<0.005		
7/19/2017				<0.005		
9/15/2017	<0.005	<0.005	<0.005			0.001 (J)
9/19/2017				0.0022 (J)	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0017 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	0.0013 (J)	<0.005	0.00155 (JD)	<0.005	0.00096 (J)
3/2/2020	<0.005	0.00047 (J)	<0.005	0.0014 (J)		0.0011 (J)
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.0013 (J)		0.0011 (J)
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	0.0018 (J)		0.00097 (J)
2/25/2021					<0.005	
3/26/2021		0.0006 (J)				
7/27/2021		<0.005				<0.005
7/28/2021			0.018 (o)	0.0015 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.0014 (J)		0.0012 (J)
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		0.0012 (J)
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	0.0012 (J)		
8/2/2023			<0.005	<0.005		
8/3/2023		<0.005				

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.01	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.01	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	0.0011 (J)			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.01	<0.005	0.0017	<0.005
6/17/2015	<0.005		0.0014	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			0.001 (J)	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.01	<0.005	0.0011 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			0.0011 (J)	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	0.0011 (J)			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.01	<0.005		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		<0.005	<0.005	
5/4/2016			<0.01			
5/9/2016						<0.005
7/8/2016	0.0007 (J)		0.0014 (J)			
7/11/2016		<0.005		0.0006 (J)	<0.005	0.0005 (J)
9/7/2016		<0.005				
9/8/2016	<0.005		0.0015 (J)			
9/9/2016				<0.005	<0.005	<0.005
10/26/2016	<0.005		0.0016 (J)	<0.005		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		0.0013 (J)	<0.005	<0.005	<0.005
3/15/2017			0.0019 (J)			<0.005
3/16/2017	0.001 (J)	0.0011 (J)		0.0008 (J)	0.0018 (J)	
5/18/2017			0.0012 (J)	0.001 (J)	<0.005	0.0011 (J)
5/19/2017	0.0006 (J)	0.0007 (J)				
9/15/2017			0.0012 (J)	0.0007 (J)		<0.005
9/18/2017					<0.005	
9/19/2017	0.0006 (J)	0.0006 (J)				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.01			<0.005
9/6/2018			<0.01			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.01		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						0.0014 (J)
9/5/2019	0.00065 (J)	0.00055 (J)	0.0016 (J)	0.00092 (J)	<0.005	
3/3/2020			0.0017 (J)	0.00085 (J)		
3/4/2020	0.00076 (J)	0.0012 (J)			0.00079 (J)	<0.005

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	0.0012 (J)
9/8/2020	<0.005	<0.005	0.0014 (J)			
2/25/2021			0.0017 (J)	0.00078 (J)	0.00083 (J)	0.001 (J)
2/26/2021	0.0008 (J)	0.00071 (J)				
7/27/2021			0.0016 (J)			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			0.0013 (J)			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			0.0016 (J)			<0.005
8/8/2022	<0.005	<0.005		0.0011 (J)	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0033					
9/17/2014		<0.005	<0.01	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0011 (J)	<0.005	0.0034	0.025 (o)	0.001 (J)	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.01	0.024 (o)	0.0011 (J)	
10/22/2014						<0.005
11/5/2014			0.0042		0.001 (J)	0.001 (J)
11/11/2014	<0.005	0.0014		0.025 (o)		
3/3/2015	<0.005	0.001 (J)	0.0038	0.029 (o)	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	0.0031	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			0.0037	0.008	<0.005	<0.005
4/23/2015	0.001 (J)	<0.005	0.0033	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.0033	<0.005	<0.005	
7/30/2015						0.001 (J)
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.01 (o)	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			0.00385 (J)	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	0.0008 (J)		0.0029 (J)	0.0006 (J)		
7/14/2016		0.0035 (J)			0.0005 (J)	0.0008 (J)
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			0.0029 (J)			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			0.0017 (J)		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	0.0012 (J)	<0.005		<0.005	<0.005	
1/12/2017			0.0025 (J)			0.0011 (J)
3/20/2017	0.0013 (J)			0.0005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.01 (o)			
5/22/2017				0.0005	0.0005 (J)	0.0007 (J)
5/23/2017	0.0007 (J)	0.0021 (J)	0.0029 (J)			
9/19/2017						0.0006 (J)
9/20/2017					0.0008 (J)	
9/21/2017	<0.005			0.0008		
9/22/2017		<0.005				
9/25/2017			0.0018 (J)			
3/14/2018	<0.005	<0.005	0.0021 (J)	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	0.0017 (J)			

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.01	<0.005	<0.005	<0.005
9/6/2019				0.00053 (J)		0.00071 (JD)
9/9/2019	<0.005		0.001 (J)		0.00056 (J)	
9/10/2019		<0.005				
3/4/2020	0.0014 (J)				0.001 (J)	
3/5/2020		0.00063 (J)		0.0007 (J)		0.00075 (J)
3/6/2020			0.0019 (J)			
9/4/2020						0.00078 (J)
9/9/2020	0.00056 (J)	<0.005	0.001 (J)	<0.005	<0.005	
2/26/2021			0.0014 (J)	0.00069 (J)	0.00067 (J)	
3/9/2021	0.0024 (J)					0.00094 (J)
3/10/2021		<0.005				
7/29/2021			0.0014 (J)	<0.005		
7/30/2021	0.0017 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				0.0015 (J)	<0.005	<0.005
1/28/2022	0.0011 (J)	<0.005	0.0014 (J)			
8/9/2022					<0.005	<0.005
8/10/2022			0.0014 (J)	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			0.0015 (J)	<0.005	<0.005	
2/10/2023	0.0011 (J)	<0.005				<0.005
8/3/2023		<0.005	0.0012 (J)			<0.005
8/4/2023	<0.005			<0.005	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	0.001 (J)	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	0.0013	<0.005	<0.005			
10/22/2014	0.0016	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0013	<0.005	0.0013			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	0.0012 (J)	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	0.001 (J)	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	<0.005					
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		0.0005 (J)			
7/18/2016					0.0005 (J)	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			0.0023 (J)			
3/16/2017					0.0008 (J)	
3/20/2017		0.0004 (J)		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
5/19/2017				<0.005	0.0006 (J)	
5/23/2017	0.0004 (J)	0.0005 (J)				
5/24/2017			0.0011 (J)			
9/19/2017	0.0006 (J)	<0.005		<0.005	0.0007 (J)	
9/21/2017			0.0014 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	0.00044 (J)	
9/6/2019	0.00078 (J)		<0.005			
3/3/2020	0.00058 (J)	0.00057 (J)		0.00052 (J)	0.00078 (J)	
3/5/2020			0.00086 (J)			
9/4/2020					0.00073 (J)	
9/8/2020	0.0013 (J)	<0.005				
9/9/2020			<0.005	<0.005		
3/9/2021	<0.005	<0.005		<0.005	0.00079 (J)	
3/10/2021			0.00073 (J)			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0023 (J)	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0017 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			
8/2/2023						<0.005
8/3/2023		<0.005	<0.005	<0.005	<0.005	
8/4/2023	0.0067					

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0039				
9/16/2014			0.00077 (J)	0.0028		
10/3/2014	<0.005	<0.005	0.0013	0.0029		
10/20/2014	<0.005	0.0014	0.001 (J)	0.0022		
11/10/2014	<0.005	<0.005	<0.005	0.0022		
3/2/2015	<0.005	<0.005	<0.005			
3/17/2015	<0.005	<0.005	<0.005	0.0044 (o)		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				0.002		
4/21/2015	0.00055 (J)	0.0012 (J)				
4/22/2015			<0.005	0.0016		
5/8/2015					<0.005	<0.005
5/17/2015					0.00059 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0012 (J)	<0.005	0.0017		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.00202 (J)			
3/2/2016				<0.01 (o)		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.01 (o)		
5/4/2016					<0.005	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			0.0015 (J)	<0.005	
7/8/2016			0.0004 (J)			<0.005
9/7/2016	<0.005	<0.005	0.0009 (J)			
9/8/2016				0.0018 (J)	<0.005	<0.005
10/25/2016	<0.005	<0.005	0.0022 (J)	0.0019 (J)		
10/26/2016					<0.005	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			0.0011 (J)		<0.005	<0.005
2/9/2017				0.0017 (J)		
3/14/2017		<0.005	0.0009 (J)			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				0.0018 (J)		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			0.0016 (J)		<0.005
5/18/2017					<0.005	
7/19/2017					<0.005	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				0.0012 (J)	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				0.0013 (J)	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	0.00094 (J)		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		0.00087 (J)		<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	0.000935 (JD)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	0.0011 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	0.00091 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	0.0011 (J)		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		0.00096 (J)				<0.005
7/28/2021			<0.005	0.001 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.0011 (J)		<0.005
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				0.00095 (J)		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	0.001 (J)		
8/2/2023			<0.005	0.001 (J)		
8/3/2023		<0.005				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		0.00057 (J)	<0.0025	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		0.00055 (J)	0.00071 (J)	0.001 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				0.00067 (J)	0.00052 (J)	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	0.001 (J)	0.00087 (J)	<0.005
6/17/2015	<0.005		<0.005	0.00093 (J)	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	0.00059 (J)	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	0.00059 (J)	0.0006 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.00091 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				0.0006 (J)	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00715 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00349 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		0.0007 (J)	0.001 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.0025	0.0006 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.0025		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.0025	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		0.0006 (J)	<0.005	
5/18/2017			<0.005	<0.0025	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.0025		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0034 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.0025	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			0.0044 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.0025	<0.005	
3/3/2020			<0.005	0.0048 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0012 (J)	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	0.0039 (J)	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				0.006	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		0.0035 (J)		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		0.00084 (J)	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0026					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0015	<0.005	<0.005	0.00063 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.00099 (J)	<0.005	<0.005	0.00058 (J)	<0.005	
10/22/2014						<0.005
11/5/2014			0.0005 (J)		<0.005	<0.005
11/11/2014	0.00097 (J)	<0.005		0.00058 (J)		
3/3/2015	0.00078 (J)	<0.005	<0.005	0.00056 (J)	<0.005	
3/4/2015						<0.005
3/18/2015	0.00081 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0011 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0007 (J)	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	0.00076 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.00451 (JD)					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	0.00478 (J)	<0.005				
7/13/2016	0.0003 (J)		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	0.0018 (J)					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	0.0022 (J)					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	0.001 (J)	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	0.0006 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	0.00058 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0034 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	0.00069 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.00047 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		
7/30/2021	0.00052 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005
8/3/2023		<0.005	<0.005			<0.005
8/4/2023	<0.005			<0.005	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	0.0006 (J)	
9/18/2014	<0.005	<0.01	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.01	<0.005			
10/22/2014	<0.005	<0.01	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.01	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.01	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.01				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.01	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.01				
7/30/2015	<0.005	<0.01	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.01				
3/8/2016	0.0183 (J)				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.01		<0.005		
5/6/2016			<0.005			
5/9/2016	0.00239 (J)					
7/12/2016				<0.005		
7/14/2016		<0.01				
7/15/2016	0.0008 (J)		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.01				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.01		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.01		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					<0.005	
3/20/2017		<0.01		<0.005		
3/21/2017	0.0005 (J)					
3/22/2017			<0.005			
5/19/2017				<0.005	<0.005	
5/23/2017	<0.005	<0.01				
5/24/2017			<0.005			
9/19/2017	<0.005	0.0012 (J)		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.01		<0.005	<0.005	
3/14/2018	0.00083 (J)		<0.005			
9/7/2018		<0.01				
9/10/2018	0.00071 (J)					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	0.00056 (J)	<0.01				
3/12/2019			<0.005			
9/5/2019		0.0012 (J)		<0.005	<0.005	
9/6/2019	0.00051 (J)		<0.005			
3/3/2020	<0.005	0.00078 (J)		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					0.0012 (J)	
9/8/2020	<0.005	0.00087 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.0004 (J)	0.00066 (J)		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	0.00048 (J)	0.00045 (J)			<0.005	
1/27/2022		0.0011 (J)			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	0.00078 (J)				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	0.00043 (J)		<0.005	<0.005	
2/10/2023			<0.005			
8/2/2023						<0.005
8/3/2023		0.00047 (J)	0.00047 (J)	<0.005	<0.005	
8/4/2023	<0.005					

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.0049 (J)				
9/16/2014			0.018	<0.005		
10/3/2014	<0.005	<0.005	0.021	0.00089 (J)		
10/20/2014	<0.005	0.0024 (J)	0.022	0.00087 (J)		
11/10/2014	<0.005	<0.005	0.02	<0.005		
3/2/2015	<0.005	<0.005	0.015	0.004 (J)		
3/17/2015	<0.005	<0.005	0.016	0.0016 (J)		
4/5/2015	<0.005	<0.005	0.016			
4/6/2015				0.00083 (J)		
4/21/2015	0.00095 (J)	0.0017 (J)				
4/22/2015			0.013	0.00085 (J)		
5/8/2015					<0.005	<0.005
5/17/2015					0.0015 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					0.0012 (J)	0.00082 (J)
6/30/2015					0.00096 (J)	<0.005
7/6/2015					0.00091 (J)	<0.005
7/28/2015	<0.005	0.00097 (J)	0.02	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.0103 (J)			
3/2/2016				<0.005		
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	0.0066 (J)	
7/8/2016			0.0152 (J)			<0.005
3/14/2017		0.0003 (J)	0.0085 (J)			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				<0.005		
9/15/2017	<0.005	<0.005	0.0058 (J)			<0.005
9/19/2017				0.0004 (J)	<0.005	
3/12/2018	<0.005	<0.005	0.0053 (J)			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	0.0054 (J)	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.025			
3/7/2019		<0.005		<0.005		<0.005
3/8/2019					<0.005	
9/4/2019	0.00023 (J)	<0.005	0.0082 (J)	<0.005	<0.005	<0.005
3/2/2020	<0.005	0.00043 (J)	0.0068 (J)	0.00019 (J)		0.00024 (J)
3/3/2020					0.00041 (J)	
9/3/2020	<0.005		0.0067 (J)	<0.005		<0.005
9/9/2020					0.0019 (J)	
9/14/2020		<0.005				
2/24/2021	<0.005		0.0083	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			0.014	<0.005	<0.005	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	0.013		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	0.0087			
8/9/2022					<0.005	
2/8/2023		<0.005	0.011	<0.005		
8/2/2023			0.014	<0.005		
8/3/2023		<0.005				

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	0.00093 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	0.0014 (J)	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	0.00093 (J)				
7/1/2015			<0.005	<0.005	0.0014 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	0.0011 (J)	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.005	<0.005	
9/15/2017			0.0007 (J)	<0.005		0.002 (J)
9/18/2017					<0.005	
9/19/2017	0.0003 (J)	0.0003 (J)				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						0.00047 (J)
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			0.00025 (J)	<0.005		
3/4/2020	0.00053 (J)	<0.005			<0.005	0.0003 (J)
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0042 (J)					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.0024 (J)	0.0012 (J)	<0.005	0.00086 (J)	<0.005	
10/5/2014						<0.005
10/21/2014	0.002 (J)	0.0011 (J)	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	0.0021 (J)	0.0015 (J)		<0.005		
3/3/2015	0.0017 (J)	0.0012 (J)	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	0.0019 (J)	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0014 (J)	0.00083 (J)				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	0.0022 (J)	0.0012 (J)	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	0.00098 (J)	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	0.0022 (J)		<0.005	<0.005		
7/14/2016		0.0124 (J)			<0.005	<0.005
3/20/2017	0.002 (J)			<0.005		
3/21/2017		0.0005 (J)			0.0006 (J)	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						0.0008 (J)
9/20/2017					0.0003 (J)	
9/21/2017	0.0018 (J)			0.0003 (J)		
9/22/2017		0.0007 (J)				
9/25/2017			<0.005			
3/14/2018	0.0017 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	0.00082 (J)		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	0.0024 (J)				0.00036 (J)	
3/5/2020		0.00023 (J)		<0.005		<0.005
3/6/2020			0.00023 (J)			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.0025 (J)					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0024 (J)	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	0.00088 (J)	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	0.0012 (J)	<0.005				<0.005
8/3/2023		<0.005	<0.005			<0.005
8/4/2023	<0.005			<0.005	<0.005	

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	0.0016 (J)	<0.005	<0.005			
10/22/2014	0.0018 (J)	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0015 (J)	<0.005	0.001 (J)			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	0.0014 (J)	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	0.0014 (J)	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	0.0011 (J)	<0.005	
4/24/2015	0.0016 (J)	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	0.0009 (J)		<0.005			
7/18/2016					<0.005	
3/16/2017					<0.005	
3/20/2017		0.0012 (J)		0.0003 (J)		
3/21/2017	0.0009 (J)					
3/22/2017			0.0005 (J)			
9/19/2017	0.0006 (J)	<0.005		<0.005	<0.005	
9/21/2017			0.0005 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		0.001 (JD)	<0.005	
9/6/2019	0.01 (J)		0.00037 (J)			
3/3/2020	0.00049 (J)	0.00022 (J)		0.00097 (J)	0.00027 (J)	
3/5/2020			0.0003 (J)			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			<0.005	0.0017 (J)		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				0.00051 (J)		
7/30/2021			<0.005			
8/2/2021	0.00081 (J)	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		0.00068 (J)	<0.005		

Time Series

Constituent: Copper (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0011 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			
8/2/2023						<0.005
8/3/2023		<0.005	<0.005	<0.005	<0.005	
8/4/2023	0.0016 (J)					

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						0.0375 (J)
3/1/2016	0.0153 (J)	0.0172 (J)	0.0215 (J)			
3/2/2016				0.0121 (J)		
5/2/2016	0.018 (J)	0.018 (J)				
5/3/2016			0.023 (J)	0.013 (J)		
5/4/2016					0.057 (JD)	0.04 (J)
7/6/2016		0.02 (J)				
7/7/2016	<0.1			<0.1	0.09 (JD)	
7/8/2016			0.02 (J)			0.11 (J)
9/7/2016	<0.1	<0.1	<0.1			
9/8/2016				<0.1	0.03 (JD)	<0.1
10/25/2016	<0.1	0.03 (J)	0.04 (J)	0.03 (J)		
10/26/2016					0.15 (JD)	0.04 (J)
1/5/2017	<0.1	0.03 (J)				
1/6/2017			<0.1		0.11 (JD)	0.04 (J)
2/9/2017				<0.1		
3/14/2017		<0.1	<0.1			
3/15/2017	<0.1				0.004 (JD)	<0.1
3/23/2017				<0.1		
5/16/2017		<0.1	<0.1			
5/17/2017	<0.1			<0.1		0.01 (J)
5/18/2017					0.007 (JD)	
7/19/2017					0.12 (JD)	
9/15/2017	<0.1	<0.1	<0.1			<0.1
9/19/2017				<0.1	0.07 (JD)	
3/12/2018	<0.1	<0.1	<0.1			
3/13/2018				<0.1	0.16 (J)	0.084 (J)
9/6/2018	<0.1	<0.1	<0.1	<0.1		<0.1
9/7/2018					<0.1	
3/6/2019	<0.1		<0.1			
3/7/2019		<0.1		<0.1		<0.1
3/8/2019					0.075 (J)	
9/4/2019	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/2/2020	<0.1	<0.1	<0.1	<0.1		<0.1
3/3/2020					<0.1	
9/3/2020	<0.1		<0.1	<0.1		<0.1
9/9/2020					<0.1	
9/14/2020		<0.1				
2/24/2021	<0.1		<0.1	<0.1		<0.1
2/25/2021					<0.1	
3/26/2021		<0.1				
7/27/2021		<0.1				<0.1
7/28/2021			<0.1	<0.1	<0.1	
8/6/2021	<0.1					
1/25/2022				<0.1		<0.1
1/26/2022		<0.1	<0.1		<0.1	
8/5/2022				<0.1		0.065 (J)
8/8/2022		0.062 (J)	0.061 (J)			
8/9/2022					0.072 (J)	
2/8/2023		<0.1	<0.1	<0.1		
8/2/2023			<0.1	<0.1		
8/3/2023		<0.1				

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	0.0202 (J)	0.0238 (J)	0.0427 (J)	0.0293 (J)		
3/3/2016					0.0392 (J)	0.1143 (J)
5/3/2016	0.025 (J)	0.027 (J)		0.049 (J)	0.058 (J)	
5/4/2016			0.048 (J)			
5/9/2016						0.0383 (J)
7/8/2016	0.09 (J)		0.12 (J)			
7/11/2016		<0.1		<0.1	<0.1	<0.3
9/7/2016		<0.1				
9/8/2016	<0.1		<0.1			
9/9/2016				0.05 (J)	0.02 (J)	0.1 (J)
10/26/2016	0.04 (J)		0.11 (J)	0.08 (J)		0.2 (J)
10/27/2016		0.1 (J)			0.12 (J)	
1/6/2017		0.02 (J)				
1/9/2017	0.02 (J)		0.04 (J)	0.05 (J)	0.06 (J)	0.26 (J)
3/15/2017			0.009 (J)			0.19 (J)
3/16/2017	<0.1	0.04 (J)		0.07 (J)	0.08 (J)	
5/18/2017			0.02 (J)	<0.1	0.04 (J)	0.19 (J)
5/19/2017	<0.1	0.004 (J)				
9/15/2017			0.03 (J)	<0.1		0.24 (J)
9/18/2017				<0.1		
9/19/2017	<0.1	<0.1				
3/12/2018				<0.1	<0.1	
3/13/2018	<0.1	0.032 (J)	0.054 (J)			0.4
9/6/2018			<0.1			
9/7/2018				<0.1	<0.1	0.14 (J)
9/11/2018	<0.1	<0.1				
3/7/2019			<0.1		<0.1	0.089 (J)
3/8/2019	<0.1			<0.1		
3/12/2019		0.046 (J)				
9/4/2019						0.11 (J)
9/5/2019	<0.1	<0.1	<0.1	<0.1	<0.1	
3/3/2020			<0.1	<0.1		
3/4/2020	<0.1	<0.1			<0.1	0.086 (J)
9/4/2020				<0.1	<0.1	0.086 (J)
9/8/2020	<0.1	<0.1	<0.1			
2/25/2021			<0.1	<0.1	<0.1	0.097 (J)
2/26/2021	<0.1	<0.1				
7/27/2021			<0.1			
7/28/2021				<0.1	<0.1	0.091 (J)
7/29/2021	<0.1	<0.1				
1/25/2022			<0.1			
1/26/2022	<0.1	<0.1		<0.1		0.076 (J)
1/27/2022					<0.1	
8/5/2022			0.073 (J)			0.094 (J)
8/8/2022	0.067 (J)	0.066 (J)		0.078 (J)	0.07 (J)	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	0.06259 (JD)					
3/4/2016		2.1421 (O)				
3/7/2016			0.00623 (J)	0.00232 (J)	<0.1	
3/8/2016						0.00425 (J)
5/5/2016			0.045 (J)	0.025 (J)		
5/9/2016					0.0246 (J)	0.0259 (J)
5/10/2016	0.0767 (J)	0.0258 (J)				
7/13/2016	<0.3		<0.1	<0.1		
7/14/2016		<0.1			<0.1	<0.1
9/12/2016				0.02 (J)	0.03 (J)	0.03 (J)
9/13/2016			0.07 (J)			
9/14/2016		<0.1				
9/15/2016	<0.3					
10/31/2016			0.05 (J)		0.05 (J)	0.11 (J)
11/1/2016		0.06 (J)		0.05 (J)		
11/2/2016	0.08 (J)					
1/11/2017	0.19 (J)	0.33		<0.1	<0.1	
1/12/2017			0.06 (J)			0.02 (J)
3/20/2017	0.18 (J)			<0.1		
3/21/2017		0.03 (J)			<0.1	
3/22/2017						0.1 (J)
3/23/2017			0.03 (J)			
5/22/2017				<0.1	<0.1	0.02 (J)
5/23/2017	0.1 (J)	0.004 (J)	0.02 (J)			
9/19/2017						<0.1
9/20/2017					<0.1	
9/21/2017	<0.3			<0.1		
9/22/2017		0.04 (J)				
9/25/2017			0.1 (J)			
3/14/2018	0.17 (J)	<0.1	0.12 (J)	0.12 (J)	0.045 (J)	0.035 (J)
9/7/2018	<0.3			<0.1		
9/10/2018					<0.1	<0.1
9/11/2018		<0.1	<0.1			
3/11/2019	0.23 (J)					
3/12/2019		0.056 (J)	0.05 (J)	0.042 (J)	0.04 (J)	0.048 (J)
9/6/2019				<0.1		<0.1
9/9/2019	<0.3		<0.1		<0.1	
9/10/2019		<0.1				
3/4/2020	0.29 (J)				<0.1	
3/5/2020		<0.1		<0.1		<0.1
3/6/2020			<0.1			
9/4/2020						<0.1
9/9/2020	0.17 (J)	<0.1	<0.1	<0.1	<0.1	
2/26/2021			<0.1	<0.1	<0.1	
3/9/2021	0.25					<0.1
3/10/2021		<0.1				
7/29/2021			<0.1	<0.1		
7/30/2021	0.16	<0.1				
8/2/2021						<0.1
8/5/2021					<0.1	
1/27/2022				<0.1	<0.1	<0.1
1/28/2022	0.17	<0.1	<0.1			

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					0.067 (J)	0.072 (J)
8/10/2022			0.06 (J)	<0.1		
8/11/2022	0.12	0.051 (J)				
2/9/2023			0.072 (J)	<0.1	<0.1	
2/10/2023	0.22	0.057 (J)				0.054 (J)
8/3/2023		<0.1	<0.1			<0.1
8/4/2023	0.079 (J)			<0.1	<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				<0.1		
3/7/2016		0.00526 (J)				
3/8/2016	0.00287 (J)				0.00246 (J)	
3/9/2016			<0.1			
5/4/2016					0.027 (J)	
5/5/2016		0.049 (J)		0.039 (J)		
5/6/2016			0.056 (J)			
5/9/2016	0.0222 (J)					
7/12/2016				<0.1		
7/14/2016		<0.1				
7/15/2016	<0.1		<0.1			
7/18/2016					<0.1	
9/9/2016	0.03 (J)					
9/12/2016		0.06 (J)				
9/13/2016				0.04 (J)	0.03 (J)	
9/14/2016			0.02 (J)			
10/27/2016	0.1 (J)	0.12 (J)		0.11 (J)	0.1 (J)	
11/1/2016			0.07 (J)			
1/12/2017	0.11 (J)					
1/13/2017		0.04 (J)		<0.1	<0.1	
1/25/2017			0.01 (J)			
3/16/2017					<0.1	
3/20/2017		0.06 (J)		<0.1		
3/21/2017	<0.1					
3/22/2017			0.02 (J)			
5/19/2017				0.01 (J)	<0.1	
5/23/2017	<0.1	0.02 (J)				
5/24/2017			<0.1			
9/19/2017	<0.1	<0.1		<0.1	<0.1	
9/21/2017			0.17 (J)			
3/13/2018		0.046 (J)		0.091 (J)	<0.1	
3/14/2018	<0.1		0.18 (J)			
9/7/2018		<0.1				
9/10/2018	<0.1					
9/11/2018			<0.1	<0.1	<0.1	
3/8/2019				<0.1	<0.1	
3/11/2019	0.51 (o)	<0.1				
3/12/2019			0.06 (J)			
6/18/2019	<0.1					
9/5/2019		<0.1		<0.1	<0.1	
9/6/2019	<0.1		<0.1			
3/3/2020	<0.1	<0.1		<0.1	<0.1	
3/5/2020			<0.1			
9/4/2020					<0.1	
9/8/2020	<0.1	<0.1				
9/9/2020			<0.1	<0.1		
3/9/2021	<0.1	<0.1		<0.1	<0.1	
3/10/2021			<0.1			
7/29/2021				<0.1		
7/30/2021			<0.1			
8/2/2021	<0.1	<0.1			<0.1	
1/27/2022		<0.1			<0.1	

Time Series

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/28/2022	<0.1		<0.1	<0.1		
8/8/2022						0.063 (J)
8/9/2022				0.072 (J)	0.068 (J)	
8/10/2022	0.057 (J)	0.055 (J)				
8/11/2022			0.073 (J)			
2/8/2023						<0.1
2/9/2023	0.064 (J)	0.052 (J)		0.053 (J)	<0.1	
2/10/2023			0.078 (J)			
8/2/2023						<0.1
8/3/2023		<0.1	<0.1	<0.1	<0.1	
8/4/2023	<0.1					

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001	0.0069 (Jo)				
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001	<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	0.0047 (J)		
3/17/2015	<0.001	<0.001	<0.001	<0.001		
4/5/2015	<0.001	<0.001	<0.001			
4/6/2015				<0.001		
4/21/2015	0.0025 (J)	<0.001				
4/22/2015			<0.001	<0.001		
5/8/2015					<0.001	<0.001
5/17/2015					<0.001	<0.001
5/25/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					<0.001	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001	<0.001
7/6/2016		0.0004 (J)				
7/7/2016	0.0001 (J)			0.0001 (J)	0.0002 (J)	
7/8/2016			0.0001 (J)			<0.001
9/7/2016	0.0001 (J)	<0.001	0.0001 (J)			
9/8/2016				0.0001 (J)	<0.001	<0.001
10/25/2016	<0.001	0.0001 (J)	<0.001	0.0002 (J)		
10/26/2016					<0.001	<0.001
1/5/2017	0.0001 (J)	0.0002 (J)				
1/6/2017			<0.001		<0.001	<0.001
2/9/2017				<0.001		
3/14/2017		0.0003 (J)	0.0001 (J)			
3/15/2017	0.0002 (J)				<0.001	<0.001
3/23/2017				0.0001 (J)		
5/16/2017		<0.001	<0.001			
5/17/2017	8E-05 (J)			0.0001 (J)		<0.001
5/18/2017					<0.001	
7/19/2017					<0.001	
9/15/2017	0.0003 (J)	8E-05 (J)	<0.001			<0.001
9/19/2017				<0.001	<0.001	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			
3/7/2019		<0.001		<0.001		<0.001

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.001	
9/4/2019	7.6E-05 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
3/2/2020	5.2E-05 (J)	0.00031 (J)	<0.001	<0.001		<0.001
3/3/2020					5.1E-05 (J)	
9/3/2020	0.00012 (J)		<0.001	<0.001		<0.001
9/9/2020					8.9E-05 (J)	
9/14/2020		0.00065 (J)				
2/24/2021	6.2E-05 (J)		<0.001	<0.001		<0.001
2/25/2021					<0.001	
3/26/2021		0.00095 (J)				
7/27/2021		<0.001				<0.001
7/28/2021			0.13 (o)	<0.001	<0.001	
8/6/2021	<0.001					
1/25/2022				<0.001		<0.001
1/26/2022		<0.001	<0.001		<0.001	
8/5/2022				<0.001		<0.001
8/8/2022		<0.001	<0.001			
8/9/2022					<0.001	
2/8/2023		<0.001	<0.001	<0.001		
8/2/2023			<0.001	<0.001		
8/3/2023		<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.001				
5/9/2015	<0.001		<0.001	<0.001	<0.001	<0.001
5/17/2015		<0.001				
5/18/2015	<0.001		<0.001	<0.001	<0.001	
5/19/2015						<0.001
5/25/2015	<0.001	<0.001	<0.001			
5/26/2015				<0.001	<0.001	<0.001
6/8/2015	<0.001	<0.001				
6/9/2015			<0.001	<0.001	<0.001	<0.001
6/17/2015	<0.001		<0.001	<0.001	<0.001	<0.001
6/18/2015		<0.001				
6/24/2015	<0.001	<0.001				
6/25/2015			<0.001	<0.001	<0.001	<0.001
6/30/2015	<0.001	<0.001				
7/1/2015			<0.001	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			<0.001	<0.001	<0.001	<0.001
8/12/2015	<0.001	<0.001	<0.001			
8/13/2015				<0.001	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	0.0002 (J)		<0.001			
7/11/2016		<0.001		<0.001	0.0001 (J)	0.0003 (J)
9/7/2016		<0.001				
9/8/2016	0.0002 (J)		<0.001			
9/9/2016				<0.001	<0.001	0.0001 (J)
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			0.0001 (J)	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			<0.001			0.0001 (J)
3/16/2017	0.0001 (J)	5E-05 (J)		7E-05 (J)	0.0001 (J)	
5/18/2017			<0.001	0.0001 (J)	7E-05 (J)	0.0001 (J)
5/19/2017	9E-05 (J)	0.0001 (J)				
9/15/2017			<0.001	<0.001		0.0001 (J)
9/18/2017					<0.001	
9/19/2017	0.0001 (J)	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	8E-05 (J)	8.3E-05 (J)	<0.001	<0.001	<0.001	
3/3/2020			4.8E-05 (J)	4.8E-05 (J)		
3/4/2020	0.00016 (J)	6.6E-05 (J)			<0.001	5E-05 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				0.0001 (J)	<0.001	<0.001
9/8/2020	0.00012 (J)	0.0006 (J)	<0.001			
2/25/2021			<0.001	9E-05 (J)	3.8E-05 (J)	4.5E-05 (J)
2/26/2021	0.00012 (J)	6.4E-05 (J)				
7/27/2021			<0.001			
7/28/2021				<0.001	<0.001	<0.001
7/29/2021	<0.001	<0.001				
1/25/2022			<0.001			
1/26/2022	<0.001	<0.001		<0.001		<0.001
1/27/2022					<0.001	
8/5/2022			<0.001			<0.001
8/8/2022	<0.001	<0.001		<0.001	<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.001					
9/17/2014		<0.001	<0.001	<0.001	<0.001	
9/18/2014						<0.001
10/4/2014	<0.001	<0.001	<0.001	<0.001	<0.001	
10/5/2014						<0.001
10/21/2014	<0.001	<0.001	<0.001	<0.001	<0.001	
10/22/2014						<0.001
11/5/2014			<0.001		<0.001	<0.001
11/11/2014	<0.001	<0.001		<0.001		
3/3/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2015						<0.001
3/18/2015	<0.001	<0.001	<0.001	<0.001		
3/19/2015					<0.001	<0.001
4/6/2015	<0.001	<0.001				
4/7/2015			<0.001	<0.001	<0.001	<0.001
4/23/2015	<0.001	<0.001	<0.001	<0.001		
4/24/2015					<0.001	<0.001
7/29/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	<0.001					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		0.0001 (J)	<0.001		
7/14/2016		0.0006 (J)			9E-05 (J)	<0.001
9/12/2016				0.0002 (J)	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		0.0001 (J)		
11/2/2016	<0.001					
1/11/2017	0.0001 (J)	<0.001		<0.001	<0.001	
1/12/2017			0.0002 (J)			<0.001
3/20/2017	<0.001			7E-05 (J)		
3/21/2017		<0.001			7E-05 (J)	
3/22/2017						<0.001
3/23/2017			0.0002 (J)			
5/22/2017				<0.001	<0.001	<0.001
5/23/2017	8E-05 (J)	<0.001	0.0002 (J)			
9/19/2017						<0.001
9/20/2017					0.0004 (J)	
9/21/2017	9E-05 (J)			0.0003 (J)		
9/22/2017		<0.001				
9/25/2017			8E-05 (J)			
3/14/2018	<0.001	<0.001	<0.001	0.00035 (J)	<0.001	<0.001
9/7/2018	<0.001			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.001					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001
9/9/2019	<0.001		5E-05 (J)		<0.001	
9/10/2019		<0.001				
3/4/2020	<0.001				0.0003 (J)	
3/5/2020		<0.001		0.00032 (J)		<0.001
3/6/2020			0.00013 (J)			
9/4/2020						<0.001
9/9/2020	0.00017 (J)	<0.001	6E-05 (J)	0.00025 (J)	<0.001	
2/26/2021			9.4E-05 (J)	0.00025 (J)	<0.001	
3/9/2021	0.00011 (J)					<0.001
3/10/2021		<0.001				
7/29/2021			<0.001	<0.001		
7/30/2021	<0.001	<0.001				
8/2/2021						<0.001
8/5/2021					<0.001	
1/27/2022				<0.001	<0.001	<0.001
1/28/2022	<0.001	<0.001	<0.001			
8/9/2022					<0.001	<0.001
8/10/2022			<0.001	<0.001		
8/11/2022	<0.001	<0.001				
2/9/2023			<0.001	<0.001	<0.001	
2/10/2023	<0.001	<0.001				<0.001
8/3/2023		<0.001	<0.001			<0.001
8/4/2023	<0.001			<0.001	<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.001	<0.001	
9/18/2014	<0.001	<0.001	<0.001			
10/4/2014				<0.001	<0.001	
10/5/2014	<0.001	<0.001	<0.001			
10/22/2014	<0.001	<0.001	<0.001			
10/23/2014				<0.001	<0.001	
11/5/2014	<0.001	<0.001	<0.001			
11/10/2014				<0.001	<0.001	
3/4/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/19/2015	<0.001	<0.001				
3/20/2015			<0.001	<0.001	<0.001	
4/8/2015	<0.001	<0.001	<0.001	<0.001		
4/9/2015					<0.001	
4/23/2015			<0.001	<0.001	<0.001	
4/24/2015	<0.001	<0.001				
7/30/2015	<0.001	<0.001	<0.001	<0.001	<0.001	
3/4/2016				<0.001		
3/7/2016		<0.001				
3/8/2016	<0.001				<0.001	
3/9/2016			<0.001			
5/4/2016					<0.001	
5/5/2016		<0.001		<0.001		
5/6/2016			<0.001			
5/9/2016	<0.001					
7/12/2016				<0.001		
7/14/2016		<0.001				
7/15/2016	<0.001		<0.001			
7/18/2016					0.0001 (J)	
9/9/2016	<0.001					
9/12/2016		<0.001				
9/13/2016				<0.001	<0.001	
9/14/2016			<0.001			
10/27/2016	<0.001	<0.001		<0.001	<0.001	
11/1/2016			<0.001			
1/12/2017	<0.001					
1/13/2017		0.0001 (J)		<0.001	<0.001	
1/25/2017			<0.001			
3/16/2017					0.0003 (J)	
3/20/2017		7E-05 (J)		0.0001 (J)		
3/21/2017	6E-05 (J)					
3/22/2017			<0.001			
5/19/2017				<0.001	0.0001 (J)	
5/23/2017	<0.001	<0.001				
5/24/2017			0.0001 (J)			
9/19/2017	<0.001	0.0001 (J)		0.0002 (J)	<0.001	
9/21/2017			<0.001			
3/13/2018		<0.001		<0.001	<0.001	
3/14/2018	<0.001		<0.001			
9/7/2018		<0.001				
9/10/2018	<0.001					
9/11/2018			<0.001	<0.001	<0.001	
3/8/2019				<0.001	0.00035 (J)	

Time Series

Constituent: Lead (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.001	<0.001				
3/12/2019			<0.001			
9/5/2019		<0.001		9.05E-05 (JD)	6E-05 (J)	
9/6/2019	0.0016 (J)		6.8E-05 (J)			
3/3/2020	<0.001	5.9E-05 (J)		5.7E-05 (J)	5.9E-05 (J)	
3/5/2020			5.2E-05 (J)			
9/4/2020					0.00012 (J)	
9/8/2020	6.7E-05 (J)	<0.001				
9/9/2020			<0.001	0.0001 (J)		
3/9/2021	<0.001	<0.001		<0.001	<0.001	
3/10/2021			<0.001			
7/29/2021				<0.001		
7/30/2021			<0.001			
8/2/2021	<0.001	<0.001			<0.001	
1/27/2022		<0.001			<0.001	
1/28/2022	<0.001		<0.001	<0.001		
8/8/2022						<0.001
8/9/2022				<0.001	<0.001	
8/10/2022	<0.001	<0.001				
8/11/2022			<0.001			
2/8/2023						<0.001
2/9/2023	<0.001	<0.001		<0.001	<0.001	
2/10/2023			<0.001			
8/2/2023						<0.001
8/3/2023		<0.001	<0.001	<0.001	<0.001	
8/4/2023	<0.001					

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.0002	0.000172 (J)				
9/16/2014			4.23E-05 (J)	2.75E-05 (J)		
10/3/2014	<0.0002	<0.0002	<0.0002	<0.0002		
10/20/2014	<0.0002	<0.0002	3.87E-05 (J)	4.07E-05 (J)		
11/10/2014	5.8E-05 (J)	3.84E-05 (J)	3.34E-05 (J)	6.86E-05 (J)		
3/2/2015	2.04E-05 (J)	<0.0002	<0.0002	3.07E-05 (J)		
3/17/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/5/2015	<0.0002	<0.0002	<0.0002			
4/6/2015				<0.0002		
4/21/2015	<0.0002	2.39E-05 (J)				
4/22/2015			<0.0002	<0.0002		
5/8/2015					<0.0002	<0.0002
5/17/2015					0.000101 (J)	<0.0002
5/25/2015					4.88E-05 (J)	<0.0002
6/8/2015					<0.0002	<0.0002
6/18/2015					4.1E-05 (J)	<0.0002
6/24/2015					8.41E-05 (J)	<0.0002
6/30/2015					<0.0002	<0.0002
7/6/2015					<0.0002	<0.0002
7/28/2015	2.13E-05 (J)	5.2E-05 (J)	<0.0002	<0.0002		
8/12/2015					4.91E-05 (J)	<0.0002
2/29/2016						<0.0002
3/1/2016	<0.0002	<0.0002	<0.0002			
3/2/2016				<0.0002		
5/2/2016	<0.0002	<0.0002				
5/3/2016			<0.0002	<0.0002		
5/4/2016					<0.0002	<0.0002
7/6/2016		<0.0002				
7/7/2016	<0.0002			<0.0002	<0.0002	
7/8/2016			<0.0002			<0.0002
9/7/2016	<0.0002	<0.0002	<0.0002			
9/8/2016				<0.0002	<0.0002	<0.0002
10/25/2016	<0.0002	<0.0002	<0.0002	<0.0002		
10/26/2016					<0.0002	<0.0002
1/5/2017	<0.0002	<0.0002				
1/6/2017			<0.0002		<0.0002	<0.0002
2/9/2017				<0.0002		
3/14/2017		<0.0002	<0.0002			
3/15/2017	<0.0002				<0.0002	<0.0002
3/23/2017				<0.0002		
5/16/2017		<0.0002	<0.0002			
5/17/2017	<0.0002			<0.0002		<0.0002
5/18/2017					<0.0002	
7/19/2017					<0.0002	
9/15/2017	<0.0002	<0.0002	<0.0002			<0.0002
9/19/2017				<0.0002	<0.0002	
3/12/2018	<0.0002	<0.0002	<0.0002			
3/13/2018				<0.0002	<0.0002	<0.0002
9/6/2018	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
9/7/2018					<0.0002	
3/6/2019	<0.0002		<0.0002			
3/7/2019		<0.0002		<0.0002		<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					<0.0002	
9/4/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
3/2/2020	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
3/3/2020					<0.0002	
9/3/2020	<0.0002		<0.0002	<0.0002		<0.0002
9/9/2020					<0.0002	
9/14/2020		<0.0002				
2/24/2021	<0.0002		9.1E-05 (J)	0.00013 (J)		<0.0002
2/25/2021					<0.0002	
3/26/2021		<0.0002				
7/27/2021		<0.0002				<0.0002
7/28/2021			<0.0002	<0.0002	<0.0002	
8/6/2021	0.00021					
1/25/2022				<0.0002		<0.0002
1/26/2022		<0.0002	<0.0002		<0.0002	
8/5/2022				<0.0002		<0.0002
8/8/2022		<0.0002	<0.0002			
8/9/2022					<0.0002	
2/8/2023		<0.0002	<0.0002	<0.0002		
8/2/2023			<0.0002	<0.0002		
8/3/2023		<0.0002				

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.0002				
5/9/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
5/17/2015		<0.0002				
5/18/2015	<0.0002		<0.0002	<0.0002	<0.0002	
5/19/2015						<0.0002
5/25/2015	<0.0002	<0.0002	<0.0002			
5/26/2015				<0.0002	<0.0002	<0.0002
6/8/2015	<0.0002	<0.0002				
6/9/2015			<0.0002	<0.0002	<0.0002	<0.0002
6/17/2015	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
6/18/2015		<0.0002				
6/24/2015	<0.0002	<0.0002				
6/25/2015			<0.0002	<0.0002	<0.0002	<0.0002
6/30/2015	<0.0002	<0.0002				
7/1/2015			<0.0002	<0.0002	<0.0002	<0.0002
7/6/2015	<0.0002	<0.0002				
7/7/2015			<0.0002	<0.0002	<0.0002	<0.0002
8/12/2015	<0.0002	<0.0002	<0.0002			
8/13/2015				<0.0002	<0.0002	<0.0002
3/2/2016	<0.0002	<0.0002	<0.0002	<0.0002		
3/3/2016					<0.0002	<0.0002
5/3/2016	<0.0002	<0.0002		<0.0002	<0.0002	
5/4/2016			<0.0002			
5/9/2016						<0.0002
7/8/2016	<0.0002		<0.0002			
7/11/2016		<0.0002		<0.0002	<0.0002	<0.0002
9/7/2016		<0.0002				
9/8/2016	<0.0002		<0.0002			
9/9/2016				<0.0002	<0.0002	<0.0002
10/26/2016	<0.0002		<0.0002	<0.0002		<0.0002
10/27/2016		<0.0002			<0.0002	
1/6/2017		<0.0002				
1/9/2017	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
3/15/2017			<0.0002			<0.0002
3/16/2017	<0.0002	<0.0002		<0.0002	<0.0002	
5/18/2017			<0.0002	<0.0002	<0.0002	<0.0002
5/19/2017	<0.0002	<0.0002				
9/15/2017			<0.0002	<0.0002		<0.0002
9/18/2017					<0.0002	
9/19/2017	<0.0002	<0.0002				
3/12/2018				<0.0002	<0.0002	
3/13/2018	<0.0002	<0.0002	<0.0002			<0.0002
9/6/2018			<0.0002			
9/7/2018				<0.0002	<0.0002	<0.0002
9/11/2018	<0.0002	<0.0002				
3/7/2019			<0.0002		<0.0002	<0.0002
3/8/2019	<0.0002			<0.0002		
3/12/2019		<0.0002				
9/4/2019						<0.0002
9/5/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/3/2020			<0.0002	<0.0002		
3/4/2020	<0.0002	<0.0002			<0.0002	<0.0002

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.0002	<0.0002	<0.0002
9/8/2020	<0.0002	<0.0002	<0.0002			
2/25/2021			<0.0002	<0.0002	<0.0002	<0.0002
2/26/2021	<0.0002	<0.0002				
7/27/2021			<0.0002			
7/28/2021				<0.0002	<0.0002	<0.0002
7/29/2021	<0.0002	<0.0002				
1/25/2022			<0.0002			
1/26/2022	<0.0002	<0.0002		<0.0002		<0.0002
1/27/2022					<0.0002	
8/5/2022			<0.0002			<0.0002
8/8/2022	<0.0002	<0.0002		<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	2.69E-05 (J)					
9/17/2014		2.97E-05 (J)	4.24E-05 (J)	3.5E-05 (J)	4.15E-05 (J)	
9/18/2014						5.34E-05 (J)
10/4/2014	<0.0002	<0.0002	2.5E-05 (J)	<0.0002	<0.0002	
10/5/2014						<0.0002
10/21/2014	3.18E-05 (J)	5.02E-05 (J)	6.4E-05 (J)	5.35E-05 (J)	5.89E-05 (J)	
10/22/2014						4.88E-05 (J)
11/5/2014			7.02E-05 (J)		7.28E-05 (J)	2.85E-05 (J)
11/11/2014	<0.0002	3.66E-05 (J)		4.64E-05 (J)		
3/3/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2015						<0.0002
3/18/2015	<0.0002	<0.0002	<0.0002	<0.0002		
3/19/2015					<0.0002	<0.0002
4/6/2015	<0.0002	<0.0002				
4/7/2015			<0.0002	<0.0002	<0.0002	<0.0002
4/23/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/24/2015					<0.0002	<0.0002
7/29/2015	<0.0002	<0.0002	3.14E-05 (J)	<0.0002	<0.0002	
7/30/2015						<0.0002
3/3/2016	<0.0002					
3/4/2016		<0.0002				
3/7/2016			<0.0002	<0.0002	<0.0002	
3/8/2016						<0.0002
5/5/2016			<0.0002	<0.0002		
5/9/2016					<0.0002	<0.0002
5/10/2016	<0.0002	<0.0002				
7/13/2016	<0.0002		<0.0002	<0.0002		
7/14/2016		<0.0002			<0.0002	<0.0002
9/12/2016				<0.0002	<0.0002	<0.0002
9/13/2016			<0.0002			
9/14/2016		<0.0002				
9/15/2016	<0.0002					
10/31/2016			<0.0002		<0.0002	<0.0002
11/1/2016		<0.0002		<0.0002		
11/2/2016	<0.0002					
1/11/2017	<0.0002	<0.0002		<0.0002	<0.0002	
1/12/2017			<0.0002			<0.0002
3/20/2017	<0.0002			<0.0002		
3/21/2017		<0.0002			<0.0002	
3/22/2017						<0.0002
3/23/2017			<0.0002			
5/22/2017				<0.0002	<0.0002	<0.0002
5/23/2017	<0.0002	<0.0002	<0.0002			
9/19/2017						<0.0002
9/20/2017					<0.0002	
9/21/2017	<0.0002			<0.0002		
9/22/2017		<0.0002				
9/25/2017			<0.0002			
3/14/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/7/2018	<0.0002			<0.0002		
9/10/2018					<0.0002	<0.0002
9/11/2018		<0.0002	<0.0002			

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.0002					
3/12/2019		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
9/6/2019				<0.0002		<0.0002
9/9/2019	<0.0002		<0.0002		<0.0002	
9/10/2019		<0.0002				
3/4/2020	<0.0002				<0.0002	
3/5/2020		<0.0002		<0.0002		<0.0002
3/6/2020			<0.0002			
9/4/2020						<0.0002
9/9/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
2/26/2021			<0.0002	<0.0002	<0.0002	
3/9/2021	<0.0002					<0.0002
3/10/2021		<0.0002				
7/29/2021			<0.0002	<0.0002		
7/30/2021	<0.0002	<0.0002				
8/2/2021						<0.0002
8/5/2021					9.4E-05 (J)	
1/27/2022				<0.0002	<0.0002	<0.0002
1/28/2022	<0.0002	<0.0002	<0.0002			
8/9/2022					<0.0002	<0.0002
8/10/2022			<0.0002	<0.0002		
8/11/2022	<0.0002	<0.0002				
2/9/2023			<0.0002	<0.0002	<0.0002	
2/10/2023	<0.0002	<0.0002				<0.0002
8/3/2023		<0.0002	<0.0002			<0.0002
8/4/2023	<0.0002			<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				2.81E-05 (J)	3.13E-05 (J)	
9/18/2014	<0.0002	2.54E-05 (J)	2.82E-05 (J)			
10/4/2014				<0.0002	<0.0002	
10/5/2014	<0.0002	<0.0002	<0.0002			
10/22/2014	2.57E-05 (J)	2.83E-05 (J)	<0.0002			
10/23/2014				<0.0002	4.6E-05 (J)	
11/5/2014	<0.0002	0.0002	4.83E-05 (J)			
11/10/2014				5.15E-05 (J)	2.5E-05 (J)	
3/4/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/19/2015	<0.0002	<0.0002				
3/20/2015			<0.0002	<0.0002	<0.0002	
4/8/2015	<0.0002	<0.0002	<0.0002	<0.0002		
4/9/2015					<0.0002	
4/23/2015			<0.0002	<0.0002	<0.0002	
4/24/2015	<0.0002	<0.0002				
7/30/2015	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/4/2016				<0.0002		
3/7/2016		<0.0002				
3/8/2016	<0.0002				<0.0002	
3/9/2016			<0.0002			
5/4/2016					<0.0002	
5/5/2016		<0.0002		<0.0002		
5/6/2016			<0.0002			
5/9/2016	<0.0002					
7/12/2016				<0.0002		
7/14/2016		<0.0002				
7/15/2016	<0.0002		<0.0002			
7/18/2016					<0.0002	
9/9/2016	<0.0002					
9/12/2016		<0.0002				
9/13/2016				<0.0002	<0.0002	
9/14/2016			<0.0002			
10/27/2016	<0.0002	<0.0002		<0.0002	<0.0002	
11/1/2016			<0.0002			
1/12/2017	<0.0002					
1/13/2017		<0.0002		<0.0002	<0.0002	
1/25/2017			<0.0002			
3/16/2017					<0.0002	
3/20/2017		<0.0002		<0.0002		
3/21/2017	<0.0002					
3/22/2017			<0.0002			
5/19/2017				<0.0002	<0.0002	
5/23/2017	<0.0002	<0.0002				
5/24/2017			<0.0002			
9/19/2017	<0.0002	<0.0002		<0.0002	<0.0002	
9/21/2017			<0.0002			
3/13/2018		<0.0002		<0.0002	<0.0002	
3/14/2018	<0.0002		<0.0002			
9/7/2018		<0.0002				
9/10/2018	<0.0002					
9/11/2018			<0.0002	<0.0002	<0.0002	
3/8/2019				<0.0002	<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.0002	<0.0002				
3/12/2019			<0.0002			
9/5/2019		<0.0002		<0.0002	<0.0002	
9/6/2019	<0.0002		<0.0002			
3/3/2020	<0.0002	<0.0002		<0.0002	<0.0002	
3/5/2020			<0.0002			
9/4/2020					<0.0002	
9/8/2020	<0.0002	<0.0002				
9/9/2020			<0.0002	<0.0002		
3/9/2021	<0.0002	<0.0002		<0.0002	<0.0002	
3/10/2021			<0.0002			
7/29/2021				<0.0002		
7/30/2021			<0.0002			
8/2/2021	<0.0002	<0.0002			<0.0002	
1/27/2022		<0.0002			<0.0002	
1/28/2022	<0.0002		<0.0002	<0.0002		
8/8/2022						<0.0002
8/9/2022				<0.0002	<0.0002	
8/10/2022	<0.0002	<0.0002				
8/11/2022			<0.0002			
2/8/2023						<0.0002
2/9/2023	<0.0002	<0.0002		<0.0002	<0.0002	
2/10/2023			<0.0002			
8/2/2023						<0.0002
8/3/2023		<0.0002	<0.0002	<0.0002	<0.0002	
8/4/2023	<0.0002					

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	0.01				
9/16/2014			0.018	0.0028		
10/3/2014	<0.005	<0.005	0.022	0.0036		
10/20/2014	<0.005	0.0043	0.022	0.0025		
11/10/2014	<0.005	<0.005	0.018	0.0026		
3/2/2015	<0.005	<0.005	0.016	0.017		
3/17/2015	<0.005	<0.005	0.015	0.0057		
4/5/2015	<0.005	0.0016 (J)	0.016			
4/6/2015				0.0022 (J)		
4/21/2015	0.0014 (J)	0.0033				
4/22/2015			0.016	0.0015 (J)		
5/8/2015					<0.005	<0.005
5/17/2015					0.0016 (J)	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	0.0032	0.018	0.0015 (J)		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	0.0138			
3/2/2016				<0.01		
7/6/2016		0.0007 (J)				
7/7/2016	<0.005			0.0014 (J)	0.0008 (J)	
7/8/2016			0.014			<0.005
3/14/2017		0.0007 (J)	0.0087 (J)			
3/15/2017	0.0142				<0.005	0.0005 (J)
3/23/2017				<0.01		
9/15/2017	0.0005 (J)	<0.005	0.0053 (J)			<0.005
9/19/2017				0.0011 (J)	<0.005	
3/12/2018	<0.005	<0.005	0.0054 (J)			
3/13/2018				<0.01	<0.005	<0.005
9/6/2018	<0.005	<0.005	0.0069 (J)	<0.01		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.01			
3/7/2019		<0.005		<0.01		<0.005
3/8/2019					<0.005	
9/4/2019	0.00041 (J)	<0.005	0.0059 (J)	0.000825 (JD)	<0.005	<0.005
3/2/2020	0.00071 (J)	0.00051 (J)	0.0079 (J)	0.001 (J)		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		0.0096 (J)	0.00089 (J)		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		0.01	0.00091 (J)		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		0.0017 (J)				<0.005
7/28/2021			0.019	0.00096 (J)	<0.005	
8/6/2021	<0.005					
1/25/2022				0.00093 (J)		<0.005

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	0.016		<0.005	
8/5/2022				0.00085 (J)		<0.005
8/8/2022		<0.005	0.0097			
8/9/2022					<0.005	
2/8/2023		<0.005	0.012	0.00091 (J)		
8/2/2023			0.013	0.0009 (J)		
8/3/2023		<0.005				

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	0.0018 (J)	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			0.0015 (J)	<0.005	0.0022 (J)	<0.005
6/17/2015	<0.005		0.0013 (J)	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	0.0034	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	0.0016 (J)	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	0.0007 (J)	0.0006 (J)
3/15/2017			0.0005 (J)			<0.005
3/16/2017	0.0005 (J)	<0.005		0.0008 (J)	0.0015 (J)	
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	0.00061 (J)		
3/4/2020	<0.005	<0.005			<0.005	<0.005
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			0.00082 (J)
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.03					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	0.029	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	0.026	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			0.0016 (J)		<0.005	<0.005
11/11/2014	0.023	<0.005		<0.005		
3/3/2015	0.02	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	0.019	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.02	<0.005				
4/7/2015			0.0014 (J)	<0.005	<0.005	<0.005
4/23/2015	0.019	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	0.018	<0.005	0.0015 (J)	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	0.0111					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	0.0133		0.0007 (J)	<0.005		
7/14/2016		<0.005			<0.005	<0.005
3/20/2017	0.0111			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						<0.005
9/20/2017					0.0006 (J)	
9/21/2017	0.0092 (J)			<0.005		
9/22/2017		<0.005				
9/25/2017			0.0015 (J)			
3/14/2018	0.0094 (J)	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	0.0086 (J)			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.01					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	0.0066 (J)		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	0.0032 (J)				0.00071 (J)	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			0.0005 (J)			
9/4/2020						<0.005
9/9/2020	0.0067 (J)	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	0.0053					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0073	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	0.0063	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	0.0077	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	0.005	<0.005				<0.005
8/3/2023		<0.005	<0.005			<0.005
8/4/2023	0.0091			<0.005	<0.005	

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.01	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.01	<0.005	<0.005			
10/22/2014	0.0013 (J)	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	0.0013 (J)	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.01	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.01	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	0.0014 (J)	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	0.0014 (J)	<0.005				
7/30/2015	<0.01	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	0.0261 (o)				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	0.0021 (J)		<0.005			
7/18/2016					<0.005	
3/16/2017					0.0012 (J)	
3/20/2017		<0.005		0.0003 (J)		
3/21/2017	<0.01					
3/22/2017			<0.005			
9/19/2017	0.0012 (J)	0.0011 (J)		<0.005	<0.005	
9/21/2017			0.0012 (J)			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	0.0014 (J)		<0.005			
9/7/2018		<0.005				
9/10/2018	0.002 (J)					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.01	<0.005				
3/12/2019			<0.005			
9/5/2019		0.0011 (J)		<0.005	<0.005	
9/6/2019	0.0028 (J)		0.00086 (J)			
3/3/2020	0.00099 (J)	0.001 (J)		<0.005	<0.005	
3/5/2020			0.00075 (J)			
9/4/2020					<0.005	
9/8/2020	0.0014 (J)	0.00083 (J)				
9/9/2020			<0.005	<0.005		
3/9/2021	0.00075 (J)	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	0.0015 (J)	<0.005			<0.005	
1/27/2022		0.00076 (J)			<0.005	
1/28/2022	0.0014 (J)		<0.005	<0.005		

Time Series

Constituent: Nickel (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	0.0014 (J)	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	0.0011 (J)	<0.005		<0.005	<0.005	
2/10/2023			<0.005			
8/2/2023						<0.005
8/3/2023		<0.005	0.0011 (J)	<0.005	<0.005	
8/4/2023	0.00098 (J)					

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						7.52
3/1/2016	7.07	7.45	5.94			
3/2/2016				5.65		
5/2/2016	7	7.31				
5/3/2016			5.85	5.72		
5/4/2016					7.52	7.59
7/6/2016		7.4				
7/7/2016	7.15			5.68	7.42	
7/8/2016			5.74			7.61
9/7/2016	7.2	7.32	5.79			
9/8/2016				5.42	7.4	7.52
10/25/2016	7.12	7.4	5.88	5.41		
10/26/2016					7.59	7.67
1/5/2017	7.05	7.29				
1/6/2017			5.82		7.51	7.49
2/9/2017				4.99		
3/14/2017		7.48	5.8			
3/15/2017	6.84				7.51	7.55
3/23/2017				4.94		
5/16/2017		7.38	5.02			
5/17/2017	6.78			5.18		7.55
5/18/2017					7.64	
7/18/2017					7.58	
7/19/2017					7.58	
9/15/2017	6.7	7.35	5.68			7.48
9/19/2017				5.53	7.37	
3/12/2018	6.6	7.26	5.72			
3/13/2018				5.57	7.62	7.34
9/6/2018	6.83	7.21	5.59	5.69		7.5
9/7/2018					7.36	
3/6/2019	6.64		5.38			
3/7/2019		7.48		5.54		7.29
3/8/2019					7.55	
9/4/2019	6.85	7.14	5.09	5.91	7.39	7.43
3/2/2020	6.58	7.24	5.52	5.49		7.44
3/3/2020					7.73	
9/3/2020	6.81		5.17	5.32		7.67
9/9/2020					7.59	
9/14/2020		7.1				
2/24/2021	6.69		5.49	5.23		7.53
2/25/2021					7.43	
3/26/2021		7.11				
7/27/2021		7.65				7.4
7/28/2021			5.29	5.21	7.29	
8/6/2021	6.9					
1/25/2022				5.14		7.44
1/26/2022		7.01	4.69		7.78	
8/5/2022				4.98		7.35
8/8/2022		7.11	5.16			
8/9/2022					7.25	
2/8/2023		6.88	5.3	5.13		
8/2/2023			4.69	4.41		

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
8/3/2023		6.835 (D)				

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	7.77	7.76	7.51	7.01		
3/3/2016					7.44	7.95
5/3/2016	7.76	7.8		7.26	7.64	
5/4/2016			7.68			
5/9/2016						7.66
7/8/2016	7.82		7.7			
7/11/2016		7.82		7.45	7.72	7.86
9/7/2016		7.83				
9/8/2016	7.73		7.71			
9/9/2016				7.55	7.66	7.89
10/26/2016	7.71		7.6	7.55		7.98
10/27/2016		7.84			7.75	
1/6/2017		7.63				
1/9/2017	7.52		7.81	7.62	7.83	7.9
3/15/2017			7.74			8
3/16/2017	7.84	7.8		7.4	7.78	
5/18/2017			7.39	7.24	7.64	8.21
5/19/2017	7.72	7.81				
9/15/2017			7.61	7.38		8.34
9/18/2017					7.66	
9/19/2017	7.68	7.84				
1/9/2018						8.1 (Y)
3/12/2018				7	7.11	
3/13/2018	7.74	7.8	7.39			8.03
9/6/2018			7.66			
9/7/2018				7.45	7.6	8.14
9/11/2018	7.64	7.76				
3/7/2019			7.55		7.22	8.05
3/8/2019	7.73			7.14		
3/12/2019		7.7				
9/4/2019						7.79
9/5/2019	7.57	7.68	7.54	7.26	7.53	
3/3/2020			7.59	6.95		
3/4/2020	7.63	7.72			7.27	7.95
9/4/2020				7.24	7.64	7.82
9/8/2020	7.67	7.68	7.56			
2/25/2021			7.55	7.05	7.27	7.85
2/26/2021	7.7	7.72				
7/27/2021			7.41			
7/28/2021				6.96	7.17	7.79
7/29/2021	7.55	7.57				
1/25/2022			7.38			
1/26/2022	7.72	7.78		7.21		7.45
1/27/2022					7.27	
8/5/2022			7.32			7.6
8/8/2022	7.66	7.61		7.1	7.26	

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.22					
3/4/2016		7.24				
3/7/2016			6.81	7.7	7.68	
3/8/2016						7.62
5/5/2016			6	7.85		
5/9/2016					7.66	7.72
5/10/2016	7.08	7.18				
7/13/2016	7.05		6.67	7.85		
7/14/2016		7.21			7.74	7.69
9/12/2016				7.87	7.76	7.52
9/13/2016		7.17	6.67			
9/15/2016	7.51					
10/31/2016			6.15		7.74	7.51
11/1/2016		7.18		7.78		
11/2/2016	7.1					
1/11/2017	7.16	7.11		7.75	7.69	
1/12/2017			6.79			7.46
3/20/2017	7.19			7.86		
3/21/2017		7.24			7.54	
3/22/2017						7.77
3/23/2017			7.04			
5/22/2017				7.51	7.79	7.5
5/23/2017	6.97	7.21	7.02			
9/19/2017						7.49
9/20/2017					7.77	
9/21/2017	7.28			7.84		
9/22/2017		7.2				
9/25/2017			6.81			
12/29/2017						7.75 (Y)
3/14/2018	7.11	7.16	7.06	7.51	7.74	7.62
9/7/2018	7.08			7.69		
9/10/2018					7.69	7.84
9/11/2018		7.13	6.97			
3/11/2019	7.21					
3/12/2019		7.28	7.06	7.76	7.6	7.63
9/6/2019				7.65		7.75
9/9/2019	7.13		6.71		7.73	
9/10/2019		7.17				
3/4/2020	7.37				7.65	
3/5/2020		7.3		7.77		7.6
3/6/2020			7.01			
9/4/2020						7.57
9/9/2020	7.08	7.24	6.63	7.81	7.67	
2/26/2021			7.07	7.81	7.73	
3/9/2021	7.34					7.81
3/10/2021		7.27				
7/29/2021			6.77	7.74		
7/30/2021	7.04	7.17				
8/2/2021						7.67
8/5/2021					7.66	
1/27/2022				7.76	7.74	7.73
1/28/2022	7.31	7.34	6.6			

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					7.77	7.81
8/10/2022			6.53	7.59		
8/11/2022	7.05	7.27				
2/9/2023			6.68	7.46	7.38	
2/10/2023	7.02	7.12				7.34
8/3/2023		6.97 (D)	6.19			7.27
8/4/2023	6.745 (D)			7.39	7.2	

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				6.95		
3/7/2016		7.61				
3/8/2016	6.86				7.4	
3/9/2016			7.54			
5/4/2016					7.6	
5/5/2016		7.79		7.58		
5/6/2016			7.5			
5/9/2016	7.08					
7/12/2016				7.58		
7/14/2016		7.76				
7/15/2016	7.2		7.33			
7/18/2016					7.61	
9/9/2016	7.17					
9/12/2016		7.6				
9/13/2016				7.62	7.56	
9/14/2016			7.47			
10/27/2016	7.14	7.73		7.64	7.69	
11/1/2016			7.31			
1/12/2017	7.06					
1/13/2017		7.68		7.28	7.62	
1/25/2017			7.28			
3/16/2017						7.43
3/20/2017		7.6		7.23		
3/21/2017	7.14					
3/22/2017			7.43			
5/19/2017				7.15	7.32	
5/23/2017	6.9	7.81				
5/24/2017			7.07			
9/19/2017	7.18	7.46		7.54	7.62	
9/21/2017			7.24			
1/9/2018		7.39 (Y)				
3/13/2018		7.49		7.02	7.43	
3/14/2018	6.99		7.4			
9/7/2018		7.53				
9/10/2018	6.96					
9/11/2018			7.78	7.4	7.69	
3/8/2019				7.65	7.69	
3/11/2019	6.95	7.51				
3/12/2019			7.42			
9/5/2019		7.09		7.4	7.59	
9/6/2019	7.04		7.32			
3/3/2020	7.1	7.15		7.55	7.56	
3/5/2020			7.24			
9/4/2020					7.62	
9/8/2020	7.07	7.19				
9/9/2020			7.12	7.22		
12/15/2020			7.39			
3/9/2021	6.98	7.35		7.8	8.07	
3/10/2021			7.41			
7/29/2021				7.32		
7/30/2021			7.13			
8/2/2021	7.01	7.1			7.48	

Time Series

Constituent: pH (pH units) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/27/2022		7.28			7.46	
1/28/2022	6.69		7.38	7.68		
8/8/2022						6.79
8/9/2022				7.48	7.6	
8/10/2022	6.98	7.1				
8/11/2022			7.37			
11/3/2022			6.65			
2/8/2023						6.77
2/9/2023	7.13	7.05		7.44	7.51	
2/10/2023			7.01			
8/2/2023						6.84
8/3/2023		6.62	6.74 (D)	7.02	7.26	
8/4/2023	6.73					

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	<0.005				
9/16/2014			<0.005	<0.005		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	<0.005		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
5/2/2016	<0.005	<0.005				
5/3/2016			<0.005	<0.005		
5/4/2016					0.00982 (J)	<0.005
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	0.01	
7/8/2016			<0.005			<0.005
9/7/2016	<0.005	<0.005	<0.005			
9/8/2016				<0.005	0.0046 (J)	<0.005
10/25/2016	<0.005	<0.005	<0.005	<0.005		
10/26/2016					0.0071 (J)	<0.005
1/5/2017	<0.005	<0.005				
1/6/2017			<0.005		0.0099 (J)	<0.005
2/9/2017				<0.005		
3/14/2017		<0.005	<0.005			
3/15/2017	<0.005				0.0056 (J)	<0.005
3/23/2017				<0.005		
5/16/2017		<0.005	<0.005			
5/17/2017	<0.005			<0.005		<0.005
5/18/2017					0.0064 (J)	
7/19/2017					<0.005	
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				<0.005	0.0029 (J)	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	0.005 (J)	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					0.01	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/8/2019					0.0052 (J)	
9/4/2019	<0.005	<0.005	<0.005	<0.005	0.01	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/3/2020					0.0053 (J)	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					0.0059 (J)	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					0.0099	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			<0.005	<0.005	0.0073	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					0.0051	
2/8/2023		<0.005	<0.005	<0.005		
8/2/2023			<0.005	<0.005		
8/3/2023		<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.01	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.01	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.01	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.01	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.01	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.01	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.01	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.01	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.01	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	0.00234 (J)		
3/3/2016					<0.005	<0.005
5/3/2016	<0.005	<0.005		0.00241 (J)	<0.005	
5/4/2016			<0.005			
5/9/2016						<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.01	0.0011 (J)	<0.005
9/7/2016		<0.005				
9/8/2016	<0.005		<0.005			
9/9/2016				<0.01	0.001 (J)	<0.005
10/26/2016	<0.005		<0.005	<0.01		<0.005
10/27/2016		<0.005			<0.005	
1/6/2017		<0.005				
1/9/2017	<0.005		<0.005	<0.01	<0.005	0.0011 (J)
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.01	<0.005	
5/18/2017			<0.005	<0.01	<0.005	<0.005
5/19/2017	<0.005	<0.005				
9/15/2017			<0.005	<0.01		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				0.0018 (J)	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.01	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		0.0016 (J)	<0.005
3/8/2019	<0.005			0.0026 (J)		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.01	<0.005	
3/3/2020			<0.005	0.0025 (J)		
3/4/2020	<0.005	<0.005			0.0018 (J)	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
9/4/2020				<0.01	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	0.0018 (J)	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				0.0022 (J)	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		0.0025 (J)		<0.005
1/27/2022					0.0016 (J)	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		0.0024 (J)	0.0015 (J)	

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	<0.005	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	<0.005		<0.005		
3/3/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	<0.005	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
5/5/2016			<0.005	<0.005		
5/9/2016					<0.005	<0.005
5/10/2016	<0.005	<0.005				
7/13/2016	<0.005		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
9/12/2016				<0.005	<0.005	<0.005
9/13/2016			<0.005			
9/14/2016		<0.005				
9/15/2016	<0.005					
10/31/2016			<0.005		<0.005	<0.005
11/1/2016		<0.005		<0.005		
11/2/2016	<0.005					
1/11/2017	<0.005	<0.005		<0.005	<0.005	
1/12/2017			<0.005			<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
5/22/2017				<0.005	<0.005	<0.005
5/23/2017	<0.005	<0.005	<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	<0.005			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	<0.005					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		
7/30/2021	<0.005	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005
8/3/2023		<0.005	<0.005			<0.005
8/4/2023	<0.005			<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
5/4/2016					<0.005	
5/5/2016		<0.005		<0.005		
5/6/2016			<0.005			
5/9/2016	<0.005					
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		<0.005			
7/18/2016					<0.005	
9/9/2016	<0.005					
9/12/2016		<0.005				
9/13/2016				<0.005	<0.005	
9/14/2016			<0.005			
10/27/2016	<0.005	<0.005		<0.005	<0.005	
11/1/2016			<0.005			
1/12/2017	<0.005					
1/13/2017		<0.005		<0.005	<0.005	
1/25/2017			<0.005			
3/16/2017					<0.005	
3/20/2017		<0.005		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
5/19/2017				<0.005	<0.005	
5/23/2017	<0.005	<0.005				
5/24/2017			<0.005			
9/19/2017	<0.005	<0.005		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	<0.005	
9/6/2019	<0.005		<0.005			
3/3/2020	<0.005	<0.005		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			0.0017 (J)	<0.005		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	<0.005		<0.005	<0.005	
2/10/2023			<0.005			
8/2/2023						<0.005
8/3/2023		<0.005	<0.005	<0.005	<0.005	
8/4/2023	<0.005					

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.005	<0.005				
9/16/2014			<0.005	0.00051 (J)		
10/3/2014	<0.005	<0.005	<0.005	<0.005		
10/20/2014	<0.005	<0.005	<0.005	<0.005		
11/10/2014	<0.005	<0.005	<0.005	<0.005		
3/2/2015	<0.005	<0.005	<0.005	<0.005		
3/17/2015	<0.005	<0.005	<0.005	<0.005		
4/5/2015	<0.005	<0.005	<0.005			
4/6/2015				<0.005		
4/21/2015	<0.005	<0.005				
4/22/2015			<0.005	<0.005		
5/8/2015					<0.005	<0.005
5/17/2015					<0.005	<0.005
5/25/2015					<0.005	<0.005
6/8/2015					<0.005	<0.005
6/18/2015					<0.005	<0.005
6/24/2015					<0.005	<0.005
6/30/2015					<0.005	<0.005
7/6/2015					<0.005	<0.005
7/28/2015	<0.005	<0.005	<0.005	<0.005		
8/12/2015					<0.005	<0.005
2/29/2016						<0.005
3/1/2016	<0.005	<0.005	<0.005			
3/2/2016				<0.005		
7/6/2016		<0.005				
7/7/2016	<0.005			<0.005	<0.005	
7/8/2016			<0.005			<0.005
3/14/2017		<0.005	<0.005			
3/15/2017	<0.005				<0.005	<0.005
3/23/2017				<0.005		
9/15/2017	<0.005	<0.005	<0.005			<0.005
9/19/2017				<0.005	<0.005	
3/12/2018	<0.005	<0.005	<0.005			
3/13/2018				<0.005	<0.005	<0.005
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005
9/7/2018					<0.005	
3/6/2019	<0.005		<0.005			
3/7/2019		<0.005		<0.005		<0.005
3/8/2019					<0.005	
9/4/2019	<0.005	<0.005	<0.005	<0.005 (D)	<0.005	<0.005
3/2/2020	<0.005	<0.005	<0.005	<0.005		<0.005
3/3/2020					<0.005	
9/3/2020	<0.005		<0.005	<0.005		<0.005
9/9/2020					<0.005	
9/14/2020		<0.005				
2/24/2021	<0.005		<0.005	<0.005		<0.005
2/25/2021					<0.005	
3/26/2021		<0.005				
7/27/2021		<0.005				<0.005
7/28/2021			<0.005	<0.005	<0.005	
8/6/2021	<0.005					
1/25/2022				<0.005		<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.005	<0.005		<0.005	
8/5/2022				<0.005		<0.005
8/8/2022		<0.005	<0.005			
8/9/2022					<0.005	
2/8/2023		<0.005	<0.005	<0.005		
8/2/2023			<0.005	<0.005		
8/3/2023		<0.005				

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.005				
5/9/2015	<0.005		<0.005	<0.005	<0.005	<0.005
5/17/2015		<0.005				
5/18/2015	<0.005		<0.005	<0.005	<0.005	
5/19/2015						<0.005
5/25/2015	<0.005	<0.005	<0.005			
5/26/2015				<0.005	<0.005	<0.005
6/8/2015	<0.005	<0.005				
6/9/2015			<0.005	<0.005	<0.005	<0.005
6/17/2015	<0.005		<0.005	<0.005	<0.005	<0.005
6/18/2015		<0.005				
6/24/2015	<0.005	<0.005				
6/25/2015			<0.005	<0.005	<0.005	<0.005
6/30/2015	<0.005	<0.005				
7/1/2015			<0.005	<0.005	<0.005	<0.005
7/6/2015	<0.005	<0.005				
7/7/2015			<0.005	<0.005	<0.005	<0.005
8/12/2015	<0.005	<0.005	<0.005			
8/13/2015				<0.005	<0.005	<0.005
3/2/2016	<0.005	<0.005	<0.005	<0.005		
3/3/2016					<0.005	<0.005
7/8/2016	<0.005		<0.005			
7/11/2016		<0.005		<0.005	<0.005	<0.005
3/15/2017			<0.005			<0.005
3/16/2017	<0.005	<0.005		<0.005	<0.005	
9/15/2017			<0.005	<0.005		<0.005
9/18/2017					<0.005	
9/19/2017	<0.005	<0.005				
3/12/2018				<0.005	<0.005	
3/13/2018	<0.005	<0.005	<0.005			<0.005
9/6/2018			<0.005			
9/7/2018				<0.005	<0.005	<0.005
9/11/2018	<0.005	<0.005				
3/7/2019			<0.005		<0.005	<0.005
3/8/2019	<0.005			<0.005		
3/12/2019		<0.005				
9/4/2019						<0.005
9/5/2019	<0.005	<0.005	<0.005	<0.005	<0.005	
3/3/2020			<0.005	<0.005		
3/4/2020	<0.005	<0.005			<0.005	<0.005
9/4/2020				<0.005	<0.005	<0.005
9/8/2020	<0.005	<0.005	<0.005			
2/25/2021			<0.005	<0.005	<0.005	<0.005
2/26/2021	<0.005	<0.005				
7/27/2021			<0.005			
7/28/2021				<0.005	<0.005	<0.005
7/29/2021	<0.005	<0.005				
1/25/2022			<0.005			
1/26/2022	<0.005	<0.005		<0.005		<0.005
1/27/2022					<0.005	
8/5/2022			<0.005			<0.005
8/8/2022	<0.005	<0.005		<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	<0.005					
9/17/2014		<0.005	<0.005	0.00058 (J)	<0.005	
9/18/2014						<0.005
10/4/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/5/2014						<0.005
10/21/2014	<0.005	<0.005	<0.005	<0.005	<0.005	
10/22/2014						<0.005
11/5/2014			<0.005		<0.005	<0.005
11/11/2014	<0.005	0.0007 (J)		<0.005		
3/3/2015	<0.005	0.00052 (J)	<0.005	<0.005	<0.005	
3/4/2015						<0.005
3/18/2015	<0.005	<0.005	<0.005	<0.005		
3/19/2015					<0.005	<0.005
4/6/2015	0.0013 (J)	<0.005				
4/7/2015			<0.005	<0.005	<0.005	<0.005
4/23/2015	<0.005	<0.005	<0.005	<0.005		
4/24/2015					<0.005	<0.005
7/29/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
7/30/2015						<0.005
3/3/2016	<0.005					
3/4/2016		<0.005				
3/7/2016			<0.005	<0.005	<0.005	
3/8/2016						<0.005
7/13/2016	<0.005		<0.005	<0.005		
7/14/2016		<0.005			<0.005	<0.005
3/20/2017	<0.005			<0.005		
3/21/2017		<0.005			<0.005	
3/22/2017						<0.005
3/23/2017			<0.005			
9/19/2017						<0.005
9/20/2017					<0.005	
9/21/2017	<0.005			<0.005		
9/22/2017		<0.005				
9/25/2017			<0.005			
3/14/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/7/2018	<0.005			<0.005		
9/10/2018					<0.005	<0.005
9/11/2018		<0.005	<0.005			
3/11/2019	<0.005					
3/12/2019		<0.005	<0.005	<0.005	<0.005	<0.005
9/6/2019				<0.005		<0.005
9/9/2019	<0.005		<0.005		<0.005	
9/10/2019		<0.005				
3/4/2020	<0.005				<0.005	
3/5/2020		<0.005		<0.005		<0.005
3/6/2020			<0.005			
9/4/2020						<0.005
9/9/2020	<0.005	<0.005	<0.005	<0.005	<0.005	
2/26/2021			<0.005	<0.005	<0.005	
3/9/2021	<0.005					<0.005
3/10/2021		<0.005				
7/29/2021			<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	<0.005	<0.005				
8/2/2021						<0.005
8/5/2021					<0.005	
1/27/2022				<0.005	<0.005	<0.005
1/28/2022	<0.005	<0.005	<0.005			
8/9/2022					<0.005	<0.005
8/10/2022			<0.005	<0.005		
8/11/2022	<0.005	<0.005				
2/9/2023			<0.005	<0.005	<0.005	
2/10/2023	<0.005	<0.005				<0.005
8/3/2023		<0.005	<0.005			<0.005
8/4/2023	<0.005			<0.005	<0.005	

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.005	<0.005	
9/18/2014	<0.005	<0.005	<0.005			
10/4/2014				<0.005	<0.005	
10/5/2014	<0.005	<0.005	<0.005			
10/22/2014	<0.005	<0.005	<0.005			
10/23/2014				<0.005	<0.005	
11/5/2014	<0.005	<0.005	<0.005			
11/10/2014				<0.005	<0.005	
3/4/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/19/2015	<0.005	<0.005				
3/20/2015			<0.005	<0.005	<0.005	
4/8/2015	<0.005	<0.005	<0.005	<0.005		
4/9/2015					<0.005	
4/23/2015			<0.005	<0.005	<0.005	
4/24/2015	<0.005	<0.005				
7/30/2015	<0.005	<0.005	<0.005	<0.005	<0.005	
3/4/2016				<0.005		
3/7/2016		<0.005				
3/8/2016	<0.005				<0.005	
3/9/2016			<0.005			
7/12/2016				<0.005		
7/14/2016		<0.005				
7/15/2016	<0.005		<0.005			
7/18/2016					<0.005	
3/16/2017					<0.005	
3/20/2017		<0.005		<0.005		
3/21/2017	<0.005					
3/22/2017			<0.005			
9/19/2017	<0.005	<0.005		<0.005	<0.005	
9/21/2017			<0.005			
3/13/2018		<0.005		<0.005	<0.005	
3/14/2018	<0.005		<0.005			
9/7/2018		<0.005				
9/10/2018	<0.005					
9/11/2018			<0.005	<0.005	<0.005	
3/8/2019				<0.005	<0.005	
3/11/2019	<0.005	<0.005				
3/12/2019			<0.005			
9/5/2019		<0.005		<0.005	<0.005	
9/6/2019	<0.005		<0.005			
3/3/2020	<0.005	<0.005		<0.005	<0.005	
3/5/2020			<0.005			
9/4/2020					<0.005	
9/8/2020	<0.005	<0.005				
9/9/2020			<0.005	<0.005		
3/9/2021	<0.005	<0.005		<0.005	<0.005	
3/10/2021			<0.005			
7/29/2021				<0.005		
7/30/2021			<0.005			
8/2/2021	<0.005	<0.005			<0.005	
1/27/2022		<0.005			<0.005	
1/28/2022	<0.005		<0.005	<0.005		

Time Series

Constituent: Silver (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.005
8/9/2022				<0.005	<0.005	
8/10/2022	<0.005	<0.005				
8/11/2022			<0.005			
2/8/2023						<0.005
2/9/2023	<0.005	<0.005		<0.005	<0.005	
2/10/2023			<0.005			
8/2/2023						<0.005
8/3/2023		<0.005	<0.005	<0.005	<0.005	
8/4/2023	<0.005					

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						5.7396
3/1/2016	2.5655	6.8929	0.9427 (J)			
3/2/2016				2.5669		
5/2/2016	1.64	1.6				
5/3/2016			0.87 (J)	1.83		
5/4/2016					16.8	6.87
7/6/2016		1.7				
7/7/2016	1.7			1.8	18	
7/8/2016			0.79 (J)			8.1
9/7/2016	1.8	1.5	0.85 (J)			
9/8/2016				0.97 (J)	18	6.6
10/25/2016	1.4	1.8	0.74 (J)	1.2		
10/26/2016					20	4.7
1/5/2017	1.9 (J)	4.6				
1/6/2017			0.64 (J)		21	4.8
2/9/2017				0.31 (J)		
3/14/2017		2.8	0.77 (J)			
3/15/2017	1.2				17	3.9
3/23/2017				0.54 (J)		
5/16/2017		2.1	0.48 (J)			
5/17/2017	1.2			0.66 (J)		5.2
5/18/2017					19	
7/19/2017					10	
9/15/2017	1	3	0.76 (J)			4.4
9/19/2017				2	22	
3/12/2018	0.77 (J)	8.2	0.42 (J)			
3/13/2018				1.5	27.3	8.5
9/6/2018	0.8 (J)	1.5	0.37 (J)	1.4		7.2
9/7/2018					26.9	
3/6/2019	0.45 (J)		0.46 (J)			
3/7/2019		4.3		1.1		12.7
3/8/2019					23.6	
9/4/2019	0.68 (J)	1.8	<1	0.83 (J)	22.9	4.2
3/2/2020	<1	7.9	<1	0.5 (J)		16.3
3/3/2020					21.5	
9/3/2020	0.65 (J)		<1	0.58 (J)		3.5
9/9/2020					21.8	
9/14/2020		1.3				
2/24/2021	0.51 (J)		<1	0.72 (J)		29.2
2/25/2021					29.5	
3/26/2021		5.4				
7/27/2021		7.4				23.3
7/28/2021			<1	0.81 (J)	26.5	
8/6/2021	0.94 (J)					
1/25/2022				0.58 (J)		8.6
1/26/2022		7.5	<1		22.2	
8/5/2022				<1		4.4
8/8/2022		19.2	<1			
8/9/2022					22.3	
2/8/2023		21.7	0.75 (J)	0.9 (J)		
8/2/2023			0.57 (J)	0.67 (J)		
8/3/2023		4.2				

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	1.799	2.0407	7.1892	32.178		
3/3/2016					22.316	132.4615
5/3/2016	1.94	1.86		39.2	20.8	
5/4/2016			7.22			
5/9/2016						34.3
7/8/2016	2		6.7			
7/11/2016		2		16	17	58
9/7/2016		1.9				
9/8/2016	1.9		7			
9/9/2016				9.7	14	66
10/26/2016	2.1		6.4	9.2		76
10/27/2016		2.1			15	
1/6/2017		2				
1/9/2017	1.9		5.9	9.3	17	85
3/15/2017			6.2			100
3/16/2017	2	1.9		6.9	15	
5/18/2017			6.1	7.9	24	87
5/19/2017	2	1.9				
9/15/2017			5.8	17		110
9/18/2017					22	
9/19/2017	2	2.1				
3/12/2018				28.7	22	
3/13/2018	1.9	1.9	4.9			94.8
9/6/2018			3.5			
9/7/2018				27.4	22.4	101
9/11/2018	1.9	1.8				
3/7/2019			2.6		25	88.7
3/8/2019	1.8			31.8		
3/12/2019		2.2				
9/4/2019						67.8
9/5/2019	1.5	1.5	2.4	21.5	22.7	
3/3/2020			1.7	29		
3/4/2020	1.5	1.7			23.4	69.4
9/4/2020				20.4	16.1	54.9
9/8/2020	1.4	1.4	1.8			
2/25/2021			1.7	34.5	23.2	62.6
2/26/2021	1.6	1.6				
7/27/2021			1.8			
7/28/2021				32.8	24.9	58.6
7/29/2021	1.3	1.4				
1/25/2022			1.4			
1/26/2022	1.4	1.6		32.5		47.1
1/27/2022					20.7	
8/5/2022			1.4			42.9
8/8/2022	1.3	1.5		30	23.5	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	7.1809					
3/4/2016		9.3417				
3/7/2016			1.7468	2.3258	3.3556	
3/8/2016						0.0196 (J)
5/5/2016			2.27	2.42		
5/9/2016					3.62	1.15
5/10/2016	4.6	6.65				
7/13/2016	2.3		2.1	2.5		
7/14/2016		5.7			3.5	1.3
9/12/2016				2.3	3.3	1.3
9/13/2016			2.1			
9/14/2016		5.8				
9/15/2016	5.6					
10/31/2016			1.5		3.5	1.4
11/1/2016		6.6				
11/2/2016	7.5					
1/11/2017	8.3	6.5		2.5	3.2	
1/12/2017			1.9			1.4
3/20/2017	10			2.4		
3/21/2017		6.4			3.4	
3/22/2017						1.7
3/23/2017			2.1			
5/22/2017				2.5	3.3	1.5
5/23/2017	9.5	6.3	2			
9/19/2017						1.3
9/20/2017					3.4	
9/21/2017	8.9			2.4		
9/22/2017		6.9				
9/25/2017			2.1			
3/14/2018	8.8	7	2.2	2.2	3.4	1.6
9/7/2018	6.5			2.2		
9/10/2018					3.4	1.7
9/11/2018		5.8	2			
3/11/2019	11					
3/12/2019		25.9 (O)	2.3	2.6	4.3	1.5
9/6/2019				2		1.45 (D)
9/9/2019	3.8		1.8		3.7	
9/10/2019		6				
3/4/2020	8.4				3.6	
3/5/2020		7.7		1.9		1.1
3/6/2020			2			
9/4/2020						1.1
9/9/2020	2.8	5.6	1.4	1.9	3.4	
2/26/2021			2.1	2.1	3.4	
3/9/2021	12.9					1.5
3/10/2021		7.3				
7/29/2021			1.7	1.9		
7/30/2021	5.4	5.9				
8/2/2021						1.5
8/5/2021					4	
1/27/2022				2.1	3.9	1.7
1/28/2022	11.9	7.6	1.6			

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					3.7	1.6
8/10/2022			1.7	2.3		
8/11/2022	5	6.6				
2/9/2023			2.3	2.4	4	
2/10/2023	12.1	7.6				1.8
8/3/2023		7	1.5			1.4
8/4/2023	6.1			2.2	3.6	

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				1.0816		
3/7/2016		2.1008				
3/8/2016	1.3858				1.3157	
3/9/2016			26.4322			
5/4/2016					1.46	
5/5/2016		2.16		11.3		
5/6/2016			17.7			
5/9/2016	2.94					
7/12/2016				8.8		
7/14/2016		2.3				
7/15/2016	3		12			
7/18/2016					1.5	
9/9/2016	3.2					
9/13/2016				5.4	1.5	
9/14/2016			12			
10/27/2016	3.6	2.3		9.9	1.7	
11/1/2016			10			
1/12/2017	3.9					
1/13/2017		2.3		7.8	2	
1/25/2017			8.2			
3/16/2017					1.6	
3/20/2017		2.4		2.3		
3/21/2017	4.8					
3/22/2017			13			
5/19/2017				2.4	1.5	
5/23/2017	5.4	2.4				
5/24/2017			10			
9/19/2017	5.6	2.2		2.3	1.8	
9/21/2017			16			
3/13/2018		2.4		1.4	1.7	
3/14/2018	<1		14			
9/7/2018		1.8				
9/10/2018	4.8					
9/11/2018			14.9	1.7	1.7	
3/8/2019				1.9	1.6	
3/11/2019	3.4	2				
3/12/2019			17.7			
9/5/2019		1.7		1.8	1.6	
9/6/2019	6		9.5			
3/3/2020	11.3	1.7		2	1.6	
3/5/2020			10.8			
9/4/2020					1.6	
9/8/2020	9.6	1.3				
9/9/2020			124	1.9		
12/15/2020			61.2			
3/9/2021	10.5	1.4		1.6	1.6	
3/10/2021			56.8			
7/29/2021				1.8		
7/30/2021			72.6			
8/2/2021	21.5 (o)	1.5			1.7	
1/27/2022		1.3			2	
1/28/2022	13.7		98.4	2.3		

Time Series

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						23.4
8/9/2022				2.1	1.9	
8/10/2022	10.5	1.6				
8/11/2022			143			
11/3/2022			137 (J)			
2/8/2023						24.6
2/9/2023	16.8	2		2.9	2.3	
2/10/2023			86.7			
8/2/2023						7.9
8/3/2023		1.7	69.2	3	2.2	
8/4/2023	5.8					

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.001					
9/16/2014			<0.001	<0.001		
10/3/2014	<0.001	<0.001	<0.001			
10/6/2014				<0.001		
10/20/2014	<0.001	<0.001	<0.001	<0.001		
11/10/2014	<0.001	<0.001	<0.001	<0.001		
3/2/2015	<0.001	<0.001	<0.001	<0.001		
3/17/2015	<0.001	0.0001 (J)	<0.001	<0.001		
4/5/2015	<0.001	7E-05 (J)	<0.001			
4/6/2015				<0.001		
4/21/2015	<0.001	<0.001				
4/22/2015			<0.001	<0.001		
5/13/2015					0.0003 (J)	<0.001
5/20/2015					9E-05 (J)	6E-05 (J)
5/27/2015					<0.001	<0.001
6/8/2015					<0.001	<0.001
6/18/2015					<0.001	<0.001
6/24/2015					<0.001	<0.001
6/30/2015					6E-05 (J)	<0.001
7/6/2015					<0.001	<0.001
7/28/2015	<0.001	<0.001	<0.001	<0.001		
8/12/2015					<0.001	<0.001
2/29/2016						<0.001
3/1/2016	<0.001	<0.001	<0.001			
3/2/2016				<0.001		
5/2/2016	<0.001	<0.001				
5/3/2016			<0.001	<0.001		
5/4/2016					<0.001	<0.001
7/6/2016		<0.001				
7/7/2016	9E-05 (J)			<0.001	<0.001	
7/8/2016			<0.001			0.0002 (J)
9/7/2016	<0.001	<0.001	<0.001			
9/8/2016				<0.001	<0.001	<0.001
10/25/2016	<0.001	<0.001	<0.001	<0.001		
10/26/2016					<0.001	<0.001
1/5/2017	<0.001	<0.001				
1/6/2017			<0.001		<0.001	<0.001
2/9/2017				<0.001		
3/14/2017		<0.001	<0.001			
3/15/2017	4E-05 (J)				4E-05 (J)	4E-05 (J)
3/23/2017				<0.001		
5/16/2017		<0.001	<0.001			
5/17/2017	<0.001			<0.001		<0.001
5/18/2017					6E-05 (J)	
7/19/2017					<0.001	
9/15/2017	<0.001	<0.001	<0.001			<0.001
9/19/2017				<0.001	6E-05 (J)	
3/12/2018	<0.001	<0.001	<0.001			
3/13/2018				<0.001	<0.001	<0.001
9/6/2018	<0.001	<0.001	<0.001	<0.001		<0.001
9/7/2018					<0.001	
3/6/2019	<0.001		<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
3/7/2019		<0.001		<0.001		<0.001
3/8/2019					<0.001	
9/4/2019	<0.001	<0.001	<0.001	<0.001	0.00014 (J)	<0.001
3/2/2020	<0.001	<0.001	<0.001	<0.001		<0.001
3/3/2020					0.00012 (J)	
9/3/2020	<0.001		<0.001	<0.001		<0.001
9/9/2020					<0.001	
9/14/2020		<0.001				
2/24/2021	<0.001		<0.001	<0.001		<0.001
2/25/2021					<0.001	
3/26/2021		<0.001				
7/27/2021		<0.001				<0.001
7/28/2021			<0.001	<0.001	<0.001	
8/6/2021	<0.001					
1/25/2022				<0.001		<0.001
1/26/2022		<0.001	<0.001		<0.001	
8/5/2022				<0.001		<0.001
8/8/2022		<0.001	<0.001			
8/9/2022					<0.001	
2/8/2023		<0.001	<0.001	<0.001		
8/2/2023			<0.001	<0.001		
8/3/2023		<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/13/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/20/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
5/27/2015	0.0002 (J)	<0.001	0.0002 (J)	<0.001	<0.001	<0.001
6/8/2015	9E-05 (J)	<0.001				
6/9/2015			0.0001 (J)	<0.001	<0.001	<0.001
6/17/2015	7E-05 (J)		0.0001 (J)	8E-05 (J)	<0.001	<0.001
6/24/2015	<0.001	<0.001			<0.001	
6/25/2015			0.0001 (J)	7E-05 (J)		<0.001
6/30/2015	9E-05 (J)	<0.001				
7/1/2015			0.0001 (J)	<0.001	<0.001	<0.001
7/6/2015	<0.001	<0.001				
7/7/2015			9E-05 (J)	0.0001 (J)	<0.001	<0.001
8/12/2015	7E-05 (J)	<0.001	7E-05 (J)			
8/13/2015				8E-05 (J)	<0.001	<0.001
3/2/2016	<0.001	<0.001	<0.001	<0.001		
3/3/2016					<0.001	<0.001
5/3/2016	<0.001	<0.001		<0.001	<0.001	
5/4/2016			<0.001			
5/9/2016						<0.001
7/8/2016	6E-05 (J)		<0.001			
7/11/2016		<0.001		<0.001	<0.001	<0.001
9/7/2016		<0.001				
9/8/2016	<0.001		<0.001			
9/9/2016				<0.001	<0.001	<0.001
10/26/2016	<0.001		<0.001	<0.001		<0.001
10/27/2016		<0.001			<0.001	
1/6/2017		<0.001				
1/9/2017	<0.001		<0.001	<0.001	<0.001	<0.001
3/15/2017			4E-05 (J)			<0.001
3/16/2017	4E-05 (J)	<0.001		0.0001 (J)	5E-05 (J)	
5/18/2017			<0.001	0.0001 (J)	<0.001	<0.001
5/19/2017	<0.001	<0.001				
9/15/2017			<0.001	0.0001 (J)		<0.001
9/18/2017					<0.001	
9/19/2017	<0.001	<0.001				
3/12/2018				<0.001	<0.001	
3/13/2018	<0.001	<0.001	<0.001			<0.001
9/6/2018			<0.001			
9/7/2018				<0.001	<0.001	<0.001
9/11/2018	<0.001	<0.001				
3/7/2019			<0.001		<0.001	<0.001
3/8/2019	<0.001			<0.001		
3/12/2019		<0.001				
9/4/2019						<0.001
9/5/2019	<0.001	<0.001	<0.001	0.00011 (J)	<0.001	
3/3/2020			7.9E-05 (J)	6.5E-05 (J)		
3/4/2020	<0.001	<0.001			<0.001	<0.001
9/4/2020				<0.001	<0.001	<0.001
9/8/2020	<0.001	<0.001	<0.001			
2/25/2021			<0.001	<0.001	<0.001	<0.001
2/26/2021	<0.001	<0.001				
7/27/2021			<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
7/28/2021				<0.001	<0.001	<0.001
7/29/2021	<0.001	<0.001				
1/25/2022			<0.001			
1/26/2022	<0.001	<0.001		<0.001		<0.001
1/27/2022					<0.001	
8/5/2022			<0.001			<0.001
8/8/2022	<0.001	<0.001		<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0004 (J)					
9/17/2014		<0.001	0.0002 (J)	<0.001	<0.001	
9/18/2014						0.0001 (J)
10/4/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/5/2014						0.0001 (J)
10/21/2014	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
10/22/2014						0.0001 (J)
11/5/2014			0.0003 (J)		<0.001	0.0002 (J)
11/11/2014	0.0005 (J)	<0.001		<0.001		
3/3/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
3/4/2015						0.0001 (J)
3/18/2015	0.0005 (J)	<0.001	0.0002 (J)	<0.001		
3/19/2015					<0.001	0.0001 (J)
4/6/2015	0.0004 (J)	<0.001				
4/7/2015			0.0002 (J)	<0.001	<0.001	0.0001 (J)
4/23/2015	0.0004 (J)	<0.001	0.0002 (J)	<0.001		
4/24/2015					<0.001	0.0001 (J)
7/29/2015	0.0003 (J)	<0.001	0.0002 (J)	<0.001	<0.001	
7/30/2015						<0.001
3/3/2016	0.002222 (JD)					
3/4/2016		<0.001				
3/7/2016			<0.001	<0.001	<0.001	
3/8/2016						<0.001
5/5/2016			<0.001	<0.001		
5/9/2016					<0.001	<0.001
5/10/2016	<0.001	<0.001				
7/13/2016	<0.001		<0.001	<0.001		
7/14/2016		<0.001			<0.001	<0.001
9/12/2016				<0.001	<0.001	<0.001
9/13/2016			<0.001			
9/14/2016		<0.001				
9/15/2016	<0.001					
10/31/2016			<0.001		<0.001	<0.001
11/1/2016		<0.001		<0.001		
11/2/2016	<0.001					
1/11/2017	0.0003 (J)	<0.001		<0.001	<0.001	
1/12/2017			<0.001			<0.001
3/20/2017	0.0003 (J)			<0.001		
3/21/2017		<0.001			<0.001	
3/22/2017						4E-05 (J)
3/23/2017			0.0001 (J)			
5/22/2017				<0.001	<0.001	5E-05 (J)
5/23/2017	0.0003 (J)	<0.001	0.0001 (J)			
9/19/2017						6E-05 (J)
9/20/2017					<0.001	
9/21/2017	0.0002 (J)			<0.001		
9/22/2017		<0.001				
9/25/2017			0.0001 (J)			
3/14/2018	0.00018 (J)	<0.001	<0.001	<0.001	<0.001	<0.001
9/7/2018	0.00016 (J)			<0.001		
9/10/2018					<0.001	<0.001
9/11/2018		<0.001	<0.001			

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/11/2019	0.00026 (J)					
3/12/2019		<0.001	<0.001	<0.001	<0.001	<0.001
9/6/2019				<0.001		<0.001
9/9/2019	6E-05 (J)		<0.001		<0.001	
9/10/2019		<0.001				
3/4/2020	0.00014 (J)				<0.001	
3/5/2020		<0.001		<0.001		<0.001
3/6/2020			7.6E-05 (J)			
9/4/2020						<0.001
9/9/2020	<0.001	<0.001	<0.001	<0.001	<0.001	
2/26/2021			<0.001	<0.001	<0.001	
3/9/2021	<0.001					<0.001
3/10/2021		<0.001				
7/29/2021			<0.001	<0.001		
7/30/2021	<0.001	<0.001				
8/2/2021						<0.001
8/5/2021					<0.001	
1/27/2022				<0.001	<0.001	<0.001
1/28/2022	<0.001	<0.001	<0.001			
8/9/2022					<0.001	<0.001
8/10/2022			<0.001	<0.001		
8/11/2022	<0.001	<0.001				
2/9/2023			<0.001	<0.001	<0.001	
2/10/2023	<0.001	<0.001				<0.001
8/3/2023		<0.001	<0.001			<0.001
8/4/2023	<0.001			<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				<0.001	<0.001	
9/18/2014	0.0002 (J)	<0.001	0.0002 (J)			
10/4/2014				<0.001	<0.001	
10/5/2014	0.0002 (J)	0.0001 (J)	0.0003 (J)			
10/22/2014	0.0002 (J)	<0.001	0.0002 (J)			
10/23/2014				<0.001	<0.001	
11/5/2014	0.0002 (J)	0.0001 (J)				
11/10/2014				<0.001	<0.001	
3/4/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001	<0.001	
3/19/2015	0.0002 (J)	0.0001 (J)				
3/20/2015			0.0002 (J)	<0.001	<0.001	
4/8/2015	0.0002 (J)	0.0001 (J)	0.0002 (J)	<0.001		
4/9/2015					<0.001	
4/23/2015			0.0002 (J)	<0.001	<0.001	
4/24/2015	0.0002 (J)	0.0001 (J)				
7/30/2015	0.0001 (J)	0.0001 (J)	0.0001 (J)	<0.001	<0.001	
3/4/2016				<0.001		
3/7/2016		<0.001				
3/8/2016	<0.001				<0.001	
3/9/2016			0.0033 (Jo)			
5/4/2016					<0.001	
5/5/2016		<0.001		<0.001		
5/6/2016			<0.001			
5/9/2016	0.000353 (J)					
7/12/2016				<0.001		
7/14/2016		<0.001				
7/15/2016	<0.001		<0.001			
7/18/2016					<0.001	
9/9/2016	<0.001					
9/12/2016		<0.001				
9/13/2016				<0.001	<0.001	
9/14/2016			0.0002 (J)			
10/27/2016	<0.001	<0.001		<0.001	<0.001	
11/1/2016			<0.001			
1/12/2017	<0.001					
1/13/2017		<0.001		<0.001	<0.001	
1/25/2017			<0.001			
3/16/2017					<0.001	
3/20/2017		<0.001		<0.001		
3/21/2017	<0.001					
3/22/2017			0.0001 (J)			
5/19/2017				<0.001	<0.001	
5/23/2017	0.0002 (J)	0.0001 (J)				
5/24/2017			0.0001 (J)			
9/19/2017	0.0002 (J)	8E-05 (J)		<0.001	<0.001	
9/21/2017			0.0002 (J)			
3/13/2018		0.00017 (J)		<0.001	<0.001	
3/14/2018	<0.001		<0.001			
9/7/2018		<0.001				
9/10/2018	<0.001					
9/11/2018			<0.001	<0.001	<0.001	
3/8/2019				<0.001	<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/11/2019	<0.001	0.00015 (J)				
3/12/2019			<0.001			
9/5/2019		5.5E-05 (J)		<0.001	<0.001	
9/6/2019	0.0002 (J)		0.0003 (J)			
3/3/2020	7.1E-05 (J)	7.2E-05 (J)		<0.001	<0.001	
3/5/2020			0.00018 (J)			
9/4/2020					<0.001	
9/8/2020	<0.001	0.00016 (J)				
9/9/2020			0.00016 (J)	<0.001		
3/9/2021	<0.001	<0.001		<0.001	<0.001	
3/10/2021			<0.001			
7/29/2021				<0.001		
7/30/2021			0.00023 (J)			
8/2/2021	<0.001	<0.001			<0.001	
1/27/2022		<0.001			<0.001	
1/28/2022	0.00021 (J)		<0.001	<0.001		
8/8/2022						<0.001
8/9/2022				<0.001	<0.001	
8/10/2022	0.00031 (J)	<0.001				
8/11/2022			<0.001			
2/8/2023						<0.001
2/9/2023	0.00029 (J)	<0.001		<0.001	<0.001	
2/10/2023			<0.001			
8/2/2023						<0.001
8/3/2023		<0.001	<0.001	<0.001	<0.001	
8/4/2023	0.00022 (J)					

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
2/29/2016						134
3/1/2016	96	150	34			
3/2/2016				34		
5/2/2016	63	105				
5/3/2016			<25	<36		
5/4/2016					175	113
7/6/2016		113				
7/7/2016	105			39	204	
7/8/2016			14 (J)			152
9/7/2016	103	169	16 (J)			
9/8/2016				<36	141	124
10/25/2016	101	152	<25	<36		
10/26/2016					153	134
1/5/2017	155	229				
1/6/2017			189 (O)		329	
2/9/2017				65		
3/14/2017		188	90 (o)			
3/15/2017	96				197	139
3/23/2017				<36		
5/16/2017		147	20 (J)			
5/17/2017	110			113		156
5/18/2017					250	
7/19/2017					195	
9/15/2017	89	146	14 (J)			141
9/19/2017				21 (J)	255	
3/12/2018	81	169	<25			
3/13/2018				33	233	150
9/6/2018	107	155	<25	<36		160
9/7/2018					232	
3/6/2019	71 (J)		22 (J)			
3/7/2019		135		84		159
3/8/2019					244	
9/4/2019	83	142	26	44	207	135
3/2/2020	65	170	<25	32		142
3/3/2020					211	
9/3/2020	90		25	21		132
9/9/2020					205	
9/14/2020		156				
2/24/2021	60		10	12		144
2/25/2021					217	
3/26/2021		123				
7/27/2021		163				170
7/28/2021			13	18	199	
8/6/2021	94					
1/25/2022				27		136
1/26/2022		184	26		190	
8/5/2022				27		123
8/8/2022		232 (J)	19 (J)			
8/9/2022					208	
2/8/2023		238	<25	31		
8/2/2023			<25	32		
8/3/2023		188				

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
3/2/2016	130	134	125	185		
3/3/2016					181	403
5/3/2016	99	76		182	123	
5/4/2016			77			
5/9/2016						182
7/8/2016	132		139			
7/11/2016		142		195	149	262
9/7/2016		143				
9/8/2016	108		110			
9/9/2016				140	133	272
10/26/2016	113		115	148		276
10/27/2016		114			168	
1/9/2017	146		121	171	166	317
3/15/2017			132			355
3/16/2017	132	146		176	189	
5/18/2017			174	184	192	382
5/19/2017	114	129				
9/15/2017			124	194		362
9/18/2017					184	
9/19/2017	154	165				
3/12/2018				212	207	
3/13/2018	138	132	133			349
9/6/2018			135			
9/7/2018				240	202	377
9/11/2018	140	142				
3/7/2019			111		212	410
3/8/2019	143			248		
3/12/2019		150 (J)				
9/4/2019						326
9/5/2019	148	142	132	229	183	
3/3/2020			91	210		
3/4/2020	146	157			207	325
9/4/2020				226	180	267
9/8/2020	138	124	116			
2/25/2021			124	217	194	284
2/26/2021	128	98				
7/27/2021			116			
7/28/2021				232	206	291
7/29/2021	121	134				
1/25/2022			113			
1/26/2022	131	144		244		278
1/27/2022					207	
8/5/2022			106			271
8/8/2022	137 (J)	136 (J)		240 (J)	209 (J)	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
3/3/2016	306					
3/4/2016		348				
3/7/2016			100	167	172	
3/8/2016						207
5/5/2016			63	119		
5/9/2016					206	189
5/10/2016	275	342				
7/13/2016	234		63	135		
7/14/2016		335			136	193
9/12/2016				129	171	201
9/13/2016			81			
9/14/2016		335				
9/15/2016	259					
10/31/2016			40		160	215
11/1/2016		296		121		
11/2/2016	260					
1/11/2017	306	376		177	214	
1/12/2017			92			198
3/20/2017	304			149		
3/21/2017		346			175 (J)	
3/23/2017			116			
5/22/2017				119	129	197
5/23/2017	297	320	107			
9/19/2017						225
9/20/2017					173	
9/21/2017	307			166		
9/22/2017		337				
9/25/2017			110			
12/29/2017						198 (Y)
3/14/2018	312	323	115	139	156	167
9/7/2018	298			149		
9/10/2018					172	184
9/11/2018		317	102			
3/11/2019	344					
3/12/2019		306	135 (J)	143 (J)	156 (J)	191 (J)
9/6/2019				141		179
9/9/2019	275		95		172	
9/10/2019		312				
3/4/2020	326				157	
3/5/2020		307		143		171
3/6/2020			109			
9/4/2020						212
9/9/2020	297	285	88	120	152	
2/26/2021			90	121	172	
3/9/2021	335					163
3/10/2021		256				
7/29/2021			103	146		
7/30/2021	294	270				
8/2/2021						168
8/5/2021					154	
1/27/2022				146	149	176
1/28/2022	317	302	99			

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
8/9/2022					102	171
8/10/2022			86	147		
8/11/2022	306	296				
2/9/2023			175	171	171	
2/10/2023	369	302				226 (J)
8/3/2023		316	82			193
8/4/2023	306			148	163	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
3/4/2016				209		
3/7/2016		163				
3/8/2016	318				177	
3/9/2016			287			
5/4/2016					97	
5/5/2016		140		152		
5/6/2016			284			
5/9/2016	136					
7/12/2016				157		
7/14/2016		161				
7/15/2016	237		249			
7/18/2016					150	
9/9/2016	263					
9/12/2016		168				
9/13/2016				154	159	
9/14/2016			273			
10/27/2016	283	140		162	143	
11/1/2016			258			
1/12/2017	276					
1/13/2017		147 (J)		165	158	
1/25/2017			340			
3/16/2017					167	
3/20/2017		186		205 (J)		
3/21/2017	385					
3/22/2017			264			
5/19/2017				149	150	
5/23/2017	294	183				
5/24/2017			331			
9/19/2017	302	167		153	146	
9/21/2017			347			
3/13/2018		159		153	153	
3/14/2018	306		290			
9/7/2018		169				
9/10/2018	328					
9/11/2018			295	152	153	
3/8/2019				164	155	
3/11/2019	311	166				
3/12/2019			310 (J)			
9/5/2019		171		155.5 (D)	177	
9/6/2019	291		300			
3/3/2020	292	181		146	183	
3/5/2020			265			
9/4/2020					172	
9/8/2020	297	157				
9/9/2020			501	155		
12/15/2020			351			
3/9/2021	286	161		158	153	
3/10/2021			333			
7/29/2021				143		
7/30/2021			380			
8/2/2021	292	166			175	
1/27/2022		167			168	

Time Series

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
1/28/2022	290		454	159		
8/8/2022						232 (J)
8/9/2022				149	164	
8/10/2022	286	162				
8/11/2022			586			
11/3/2022			573 (J)			
2/8/2023						245
2/9/2023	317	328		147	169	
2/10/2023			533			
8/2/2023						224
8/3/2023		153	536	146	170	
8/4/2023	298					

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	<0.01	0.0073				
9/16/2014			<0.01	0.00085 (J)		
10/3/2014	<0.01	<0.01	<0.01	0.00096 (J)		
10/20/2014	<0.01	0.0045 (J)	<0.01	<0.01		
11/10/2014	<0.01	<0.01	<0.01	0.00095 (J)		
3/2/2015	<0.01	<0.01	<0.01	0.0041 (J)		
3/17/2015	<0.01	<0.01	<0.01	0.0018 (J)		
4/5/2015	<0.01	0.0014 (J)	<0.01			
4/6/2015				<0.01		
4/21/2015	<0.01	0.0029 (J)				
4/22/2015			<0.01	<0.01		
5/8/2015					<0.01	<0.01
5/17/2015					0.0044 (J)	<0.01
5/25/2015					0.0025 (J)	<0.01
6/8/2015					0.0042 (J)	0.0012 (J)
6/18/2015					0.0056	<0.01
6/24/2015					0.016	<0.01
6/30/2015					0.013	<0.01
7/6/2015					0.012	0.0011 (J)
7/28/2015	<0.01	0.0031 (J)	<0.01	<0.01		
8/12/2015					0.0279 (o)	0.000519 (J)
2/29/2016						<0.01
3/1/2016	<0.01	<0.01	<0.01			
3/2/2016				<0.01		
7/6/2016		<0.01				
7/7/2016	<0.01			<0.01	<0.01	
7/8/2016			0.0028 (J)			<0.01
3/14/2017		<0.01	<0.01			
3/15/2017	<0.01				<0.01	<0.01
3/23/2017				<0.01		
9/15/2017	<0.01	<0.01	<0.01			<0.01
9/19/2017				<0.01	<0.01	
3/12/2018	<0.01	<0.01	<0.01			
3/13/2018				<0.01	<0.01	<0.01
9/6/2018	<0.01	<0.01	<0.01	<0.01		<0.01
9/7/2018					<0.01	
3/6/2019	<0.01		<0.01			
3/7/2019		<0.01		<0.01		<0.01
3/8/2019					<0.01	
9/4/2019	<0.01	<0.01	0.00073 (J)	0.00538 (JD)	<0.01	<0.01
3/2/2020	<0.01	<0.01	0.00074 (J)	0.0014 (J)		<0.01
3/3/2020					0.00091 (J)	
9/3/2020	<0.01		<0.01	<0.01		<0.01
9/9/2020					<0.01	
9/14/2020		<0.01				
2/24/2021	<0.01		<0.01	<0.01		<0.01
2/25/2021					<0.01	
3/26/2021		<0.01				
7/27/2021		<0.01				<0.01
7/28/2021			<0.01	<0.01	<0.01	
8/6/2021	<0.01					
1/25/2022				<0.01		<0.01

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.01	<0.01		<0.01	
8/5/2022				<0.01		<0.01
8/8/2022		<0.01	<0.01			
8/9/2022					<0.01	
2/8/2023		<0.01	<0.01	<0.01		
8/2/2023			<0.01	<0.01		
8/3/2023		<0.01				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		<0.01				
5/9/2015	<0.01		0.0018 (J)	<0.01	<0.01	<0.01
5/17/2015		<0.01				
5/18/2015	<0.01		0.0014 (J)	0.0014 (J)	0.0017 (J)	
5/19/2015						0.0015 (J)
5/25/2015	<0.01	<0.01	<0.01			
5/26/2015				<0.01	<0.01	<0.01
6/8/2015	<0.01	<0.01				
6/9/2015			<0.01	<0.01	0.0033 (J)	<0.01
6/17/2015	<0.01		0.0015 (J)	<0.01	<0.01	<0.01
6/18/2015		<0.01				
6/24/2015	<0.01	<0.01				
6/25/2015			<0.01	<0.01	<0.01	<0.01
6/30/2015	<0.01	<0.01				
7/1/2015			<0.01	<0.01	0.0031 (J)	<0.01
7/6/2015	<0.01	<0.01				
7/7/2015			<0.01	<0.01	<0.01	<0.01
8/12/2015	0.000525 (J)	0.000172 (J)	0.000656 (J)	0.000246 (J)	0.000187 (J)	0.000497 (J)
3/2/2016	<0.01	<0.01	<0.01	<0.01		
3/3/2016					<0.01	<0.01
7/8/2016	<0.01		<0.01			
7/11/2016		<0.01		<0.01	<0.01	<0.01
3/15/2017			<0.01			<0.01
3/16/2017	<0.01	<0.01		<0.01	<0.01	
9/15/2017			<0.01	<0.01		<0.01
9/18/2017					<0.01	
9/19/2017	<0.01	<0.01				
3/12/2018				<0.01	<0.01	
3/13/2018	<0.01	<0.01	<0.01			<0.01
9/6/2018			<0.01			
9/7/2018				<0.01	<0.01	<0.01
9/11/2018	<0.01	<0.01				
3/7/2019			<0.01		<0.01	<0.01
3/8/2019	<0.01			<0.01		
3/12/2019		<0.01				
9/4/2019						<0.01
9/5/2019	<0.01	<0.01	<0.01	<0.01	<0.01	
3/3/2020			<0.01	<0.01		
3/4/2020	<0.01	<0.01			<0.01	<0.01
9/4/2020				<0.01	<0.01	<0.01
9/8/2020	<0.01	<0.01	<0.01			
2/25/2021			<0.01	<0.01	<0.01	<0.01
2/26/2021	<0.01	<0.01				
7/27/2021			<0.01			
7/28/2021				<0.01	<0.01	<0.01
7/29/2021	<0.01	<0.01				
1/25/2022			<0.01			
1/26/2022	<0.01	<0.01		<0.01		<0.01
1/27/2022					<0.01	
8/5/2022			<0.01			<0.01
8/8/2022	<0.01	<0.01		<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.0019 (J)					
9/17/2014		<0.01	<0.01	0.001 (J)	<0.01	
9/18/2014						<0.01
10/4/2014	0.005	<0.01	<0.01	<0.01	<0.01	
10/5/2014						<0.01
10/21/2014	0.00089 (J)	<0.01	<0.01	0.00084 (J)	<0.01	
10/22/2014						<0.01
11/5/2014			<0.01		<0.01	<0.01
11/11/2014	<0.01	0.0012 (J)		<0.01		
3/3/2015	0.00093 (J)	<0.01	<0.01	<0.01	<0.01	
3/4/2015						<0.01
3/18/2015	<0.01	<0.01	<0.01	<0.01		
3/19/2015					<0.01	0.0012 (J)
4/6/2015	<0.01	<0.01				
4/7/2015			<0.01	<0.01	<0.01	<0.01
4/23/2015	<0.01	<0.01	<0.01	<0.01		
4/24/2015					<0.01	<0.01
7/29/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
7/30/2015						<0.01
3/3/2016	<0.01					
3/4/2016		<0.01				
3/7/2016			<0.01	<0.01	<0.01	
3/8/2016						<0.01
7/13/2016	0.0021 (J)		<0.01	<0.01		
7/14/2016		<0.01			<0.01	<0.01
3/20/2017	0.0019 (J)			<0.01		
3/21/2017		<0.01			<0.01	
3/22/2017						<0.01
3/23/2017			<0.01			
9/19/2017						<0.01
9/20/2017					<0.01	
9/21/2017	<0.01			<0.01		
9/22/2017		<0.01				
9/25/2017			<0.01			
3/14/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9/7/2018	<0.01			<0.01		
9/10/2018					<0.01	<0.01
9/11/2018		<0.01	<0.01			
3/11/2019	<0.01					
3/12/2019		<0.01	<0.01	<0.01	<0.01	<0.01
9/6/2019				<0.01		<0.01
9/9/2019	0.00091 (J)		0.00078 (J)		0.00081 (J)	
9/10/2019		<0.01				
3/4/2020	0.0023 (J)				0.00096 (J)	
3/5/2020		<0.01		<0.01		<0.01
3/6/2020			<0.01			
9/4/2020						<0.01
9/9/2020	<0.01	<0.01	<0.01	<0.01	<0.01	
2/26/2021			<0.01	<0.01	<0.01	
3/9/2021	0.003 (J)					<0.01
3/10/2021		<0.01				
7/29/2021			<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.0022 (J)	<0.01				
8/2/2021						<0.01
8/5/2021					<0.01	
1/27/2022				<0.01	<0.01	<0.01
1/28/2022	<0.01	<0.01	<0.01			
8/9/2022					<0.01	<0.01
8/10/2022			<0.01	<0.01		
8/11/2022	<0.01	<0.01				
2/9/2023			<0.01	<0.01	<0.01	
2/10/2023	0.003 (J)	<0.01				<0.01
8/3/2023		<0.01	<0.01			<0.01
8/4/2023	<0.01			<0.01	<0.01	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.0012 (J)	<0.01	
9/18/2014	<0.01	<0.01	<0.01			
10/4/2014				<0.01	<0.01	
10/5/2014	<0.01	<0.01	<0.01			
10/22/2014	<0.01	<0.01	0.00083 (J)			
10/23/2014				<0.01	<0.01	
11/5/2014	<0.01	<0.01	0.0014 (J)			
11/10/2014				<0.01	<0.01	
3/4/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/19/2015	<0.01	<0.01				
3/20/2015			<0.01	<0.01	<0.01	
4/8/2015	<0.01	<0.01	0.0017 (J)	0.0012 (J)		
4/9/2015					<0.01	
4/23/2015			<0.01	<0.01	<0.01	
4/24/2015	<0.01	<0.01				
7/30/2015	<0.01	<0.01	<0.01	<0.01	<0.01	
3/4/2016				<0.01		
3/7/2016		<0.01				
3/8/2016	<0.01				<0.01	
3/9/2016			<0.01			
7/12/2016				0.002 (J)		
7/14/2016		<0.01				
7/15/2016	<0.01		<0.01			
7/18/2016					<0.01	
3/16/2017					<0.01	
3/20/2017		<0.01		<0.01		
3/21/2017	<0.01					
3/22/2017			<0.01			
9/19/2017	<0.01	<0.01		0.0012 (J)	<0.01	
9/21/2017			<0.01			
3/13/2018		<0.01		<0.01	<0.01	
3/14/2018	<0.01		<0.01			
9/7/2018		<0.01				
9/10/2018	<0.01					
9/11/2018			<0.01	<0.01	<0.01	
3/8/2019				<0.01	<0.01	
3/11/2019	<0.01	<0.01				
3/12/2019			<0.01			
9/5/2019		0.00094 (J)		0.0012 (JD)	<0.01	
9/6/2019	0.0012 (J)		0.0011 (J)			
3/3/2020	0.00085 (J)	<0.01		0.0011 (J)	<0.01	
3/5/2020			0.00071 (J)			
9/4/2020					<0.01	
9/8/2020	<0.01	<0.01				
9/9/2020			<0.01	<0.01		
3/9/2021	<0.01	<0.01		<0.01	<0.01	
3/10/2021			<0.01			
7/29/2021				<0.01		
7/30/2021			<0.01			
8/2/2021	<0.01	<0.01			<0.01	
1/27/2022		<0.01			<0.01	
1/28/2022	<0.01		<0.01	<0.01		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						<0.01
8/9/2022				<0.01	<0.01	
8/10/2022	<0.01	<0.01				
8/11/2022			<0.01			
2/8/2023						<0.01
2/9/2023	<0.01	<0.01		<0.01	<0.01	
2/10/2023			<0.01			
8/2/2023						<0.01
8/3/2023		<0.01	<0.01	<0.01	<0.01	
8/4/2023	<0.01					

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
9/15/2014	0.15	0.44 (o)				
9/16/2014			0.0062	0.0054		
10/3/2014	0.04	0.021	0.0085	0.007		
10/20/2014	0.042	0.19	0.0087	0.0052		
11/10/2014	0.1	0.0014 (J)	0.01	0.0054		
3/2/2015	0.073	0.032	0.0077	0.041 (o)		
3/17/2015	0.2	0.034	0.0086	0.014		
4/5/2015	0.29	0.089	0.0098			
4/6/2015				0.0044		
4/21/2015	0.46	0.16				
4/22/2015			0.0049	0.0023 (J)		
5/8/2015					0.015	<0.02
5/17/2015					0.12 (o)	0.0017 (J)
5/25/2015					0.023	0.003
6/8/2015					0.016	0.0025
6/18/2015					0.016	0.0019 (J)
6/24/2015					0.022	0.0028
6/30/2015					0.017	<0.02
7/6/2015					0.01	<0.02
7/28/2015	0.26	0.15	0.0099	0.0035		
8/12/2015					0.0047 (BJ)	0.0033 (BJ)
2/29/2016						<0.02
3/1/2016	0.378	0.0627	0.00756 (J)			
3/2/2016				0.0029 (J)		
7/6/2016		0.0532				
7/7/2016	0.263			0.0023 (J)	0.0073 (J)	
7/8/2016			0.0098 (J)			<0.02
3/14/2017		0.0401	0.0042 (J)			
3/15/2017	0.382				<0.02	0.0013 (J)
3/23/2017				<0.02		
9/15/2017	0.406	0.0338	0.0032 (J)			<0.02
9/19/2017				0.002 (J)	<0.02	
3/12/2018	0.5	0.042	0.0025 (J)			
3/13/2018				<0.02	<0.02	<0.02
9/6/2018	0.37	0.045	<0.02	<0.02		<0.02
9/7/2018				<0.02		
3/6/2019	0.56		0.0035 (J)			
3/7/2019		0.043		<0.02		<0.02
3/8/2019					<0.02	
9/4/2019	0.34	0.052	0.0086 (J)	0.00565 (JD)	0.0051 (J)	0.0045 (J)
3/2/2020	0.54	0.056	0.0063 (J)	0.0032 (J)		0.0024 (J)
3/3/2020					0.0035 (J)	
9/3/2020	0.35		0.0049 (J)	<0.02		<0.02
9/9/2020					<0.02	
9/14/2020		0.053				
2/24/2021	0.44		0.0038 (J)	<0.02		<0.02
2/25/2021					<0.02	
3/26/2021		0.046				
7/27/2021		<0.02				<0.02
7/28/2021			0.0088 (J)	<0.02	<0.02	
8/6/2021	0.15					
1/25/2022				<0.02		<0.02

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWA-51RZ (bg)	GWA-52 (bg)
1/26/2022		<0.02	<0.02		<0.02	
8/5/2022				<0.02		<0.02
8/8/2022		<0.02	<0.02			
8/9/2022					<0.02	
2/8/2023		0.0086 (J)	<0.02	<0.02		
8/2/2023			<0.02	<0.02		
8/3/2023		<0.02				

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-53 (bg)	GWA-53R (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-56 (bg)
5/8/2015		0.0022 (J)				
5/9/2015	0.0023 (J)		<0.02	<0.02	<0.02	<0.02
5/17/2015		<0.02				
5/18/2015	0.0034		0.0019 (J)	0.0016 (J)	0.0033	
5/19/2015						0.0045
5/25/2015	<0.02	0.0022 (J)	0.0022 (J)			
5/26/2015				<0.02	0.0022 (J)	0.0038
6/8/2015	0.0015 (J)	0.0015 (J)				
6/9/2015			0.0015 (J)	0.0026	0.0082	0.0037
6/17/2015	<0.02		0.0035	0.0017 (J)	<0.02	0.0018 (J)
6/18/2015		0.0026				
6/24/2015	<0.02	0.0015 (J)				
6/25/2015			<0.02	<0.02	<0.02	<0.02
6/30/2015	<0.02	0.0015 (J)				
7/1/2015			<0.02	<0.02	0.0064	<0.02
7/6/2015	<0.02	<0.02				
7/7/2015			<0.02	<0.02	<0.02	<0.02
8/12/2015	0.004 (BJ)	0.0031 (BJ)	0.0015 (BJ)			
8/13/2015				0.002 (BJ)	0.0028 (BJ)	0.0017 (BJ)
3/2/2016	0.0035 (J)	0.0028 (J)	<0.02	<0.02		
3/3/2016				<0.02	<0.02	
7/8/2016	<0.02		0.0029 (J)			
7/11/2016		<0.02		<0.02	<0.02	0.0018 (J)
3/15/2017			0.0024 (J)			0.0034 (J)
3/16/2017	0.0029 (J)	0.0018 (J)		0.0015 (J)	0.0054 (J)	
9/15/2017			0.0016 (J)	<0.02		<0.02
9/18/2017					<0.02	
9/19/2017	0.0018 (J)	<0.02				
3/12/2018				<0.02	<0.02	
3/13/2018	0.0021 (J)	<0.02	0.0023 (J)			0.0029 (J)
9/6/2018			<0.02			
9/7/2018				<0.02	<0.02	<0.02
9/11/2018	<0.02	<0.02				
3/7/2019			<0.02		<0.02	<0.02
3/8/2019	<0.02			<0.02		
3/12/2019		<0.02				
9/4/2019						0.0052 (J)
9/5/2019	0.0064 (J)	0.0098 (J)	0.0048 (J)	0.0056 (J)	0.0045 (J)	
3/3/2020			0.0024 (J)	0.005 (J)		
3/4/2020	0.004 (J)	0.0027 (J)			0.0028 (J)	0.0029 (J)
9/4/2020				<0.02	<0.02	<0.02
9/8/2020	<0.02	<0.02	<0.02			
2/25/2021			<0.02	<0.02	<0.02	<0.02
2/26/2021	<0.02	<0.02				
7/27/2021			<0.02			
7/28/2021				<0.02	<0.02	<0.02
7/29/2021	0.01 (J)	<0.02				
1/25/2022			<0.02			
1/26/2022	<0.02	<0.02		<0.02		<0.02
1/27/2022					<0.02	
8/5/2022			<0.02			<0.02
8/8/2022	<0.02	<0.02		<0.02	<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
9/16/2014	0.072					
9/17/2014		0.0028	0.0035	0.002 (J)	0.0026	
9/18/2014						0.0023 (J)
10/4/2014	0.078	0.0038	0.0032	0.001 (J)	0.0034	
10/5/2014						0.0025
10/21/2014	0.083	0.0043	0.0028	0.00082 (J)	0.0037	
10/22/2014						0.0018 (J)
11/5/2014			0.004		0.0035	0.0019 (J)
11/11/2014	0.082	0.0041		0.00076 (J)		
3/3/2015	0.078	0.0042	0.004	<0.02	0.0036	
3/4/2015						0.0016 (J)
3/18/2015	0.075	0.0046	0.0024 (J)	0.0016 (J)		
3/19/2015					0.0035	0.0025
4/6/2015	0.071	0.0043				
4/7/2015			0.0055	<0.02	0.0039	0.0026
4/23/2015	0.072	0.0047	0.0035	<0.02		
4/24/2015					0.0034	0.0017 (J)
7/29/2015	0.072	0.0039	0.0062	<0.02	0.0038	
7/30/2015						0.0017 (J)
3/3/2016	0.0227					
3/4/2016		0.0219 (J)				
3/7/2016			0.0225 (J)	<0.02	<0.02	
3/8/2016						0.557 (o)
7/13/2016	0.0709		0.0031 (J)	0.0013 (J)		
7/14/2016		0.0111			<0.02	<0.02
3/20/2017	0.0465			<0.02		
3/21/2017		<0.02			<0.02	
3/22/2017						<0.02
3/23/2017			<0.02			
9/19/2017						0.0031 (J)
9/20/2017					0.0062 (J)	
9/21/2017	0.0302			0.0018 (J)		
9/22/2017		0.0023 (J)				
9/25/2017			0.002 (J)			
3/14/2018	0.031	0.0021 (J)	0.0036 (J)	<0.02	<0.02	<0.02
9/7/2018	<0.01			<0.02		
9/10/2018					<0.02	<0.02
9/11/2018		<0.02	<0.02			
3/11/2019	0.024					
3/12/2019		0.0038 (J)	<0.02	<0.02	<0.02	<0.02
9/6/2019				0.0046 (J)		0.00455 (JD)
9/9/2019	0.029		0.0063 (J)		0.0062 (J)	
9/10/2019		0.0055 (J)				
3/4/2020	0.015				0.0072 (J)	
3/5/2020		0.0035 (J)		0.0024 (J)		0.0023 (J)
3/6/2020			0.0045 (J)			
9/4/2020						<0.02
9/9/2020	0.037	<0.02	<0.02	<0.02	<0.02	
2/26/2021			<0.02	<0.02	<0.02	
3/9/2021	0.025					<0.02
3/10/2021		<0.02				
7/29/2021			<0.02	0.015 (J)		

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-20R
7/30/2021	0.032	<0.02				
8/2/2021						<0.02
8/5/2021					<0.02	
1/27/2022				<0.02	<0.02	<0.02
1/28/2022	0.026	<0.02	<0.02			
8/9/2022					<0.02	<0.02
8/10/2022			<0.02	<0.02		
8/11/2022	0.036 (J)	<0.02				
2/9/2023			<0.02	<0.02	<0.02	
2/10/2023	0.017 (J)	<0.02				<0.02
8/3/2023		<0.02	<0.02			<0.02
8/4/2023	0.036			<0.02	<0.02	

Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
9/16/2014				0.00054 (J)	0.004	
9/18/2014	0.0033	0.00089 (J)	0.0013 (J)			
10/4/2014				0.0008 (J)	0.0011 (J)	
10/5/2014	0.0036	0.0016 (J)	0.00085 (J)			
10/22/2014	0.0038	0.0017 (J)	0.0014 (J)			
10/23/2014				<0.02	0.0011 (J)	
11/5/2014	0.0046	0.0038	0.0022 (J)			
11/10/2014				<0.02	0.0028	
3/4/2015	0.0029	0.002 (J)	0.0033	<0.02	<0.02	
3/19/2015	0.0027	0.0025				
3/20/2015			0.002 (J)	<0.02	<0.02	
4/8/2015	0.0039	0.0018 (J)	0.004	0.0016 (J)		
4/9/2015					<0.02	
4/23/2015			0.002 (J)	<0.02	<0.02	
4/24/2015	0.0035	0.0016 (J)				
7/30/2015	0.0027	<0.02	<0.02	<0.02	<0.02	
3/4/2016				0.00374 (J)		
3/7/2016		<0.02				
3/8/2016	0.00273 (J)				0.00198 (J)	
3/9/2016			<0.02			
7/12/2016				<0.02		
7/14/2016		<0.02				
7/15/2016	<0.02		<0.02			
7/18/2016					<0.02	
3/16/2017					0.0026 (J)	
3/20/2017		0.0075 (J)		<0.02		
3/21/2017	<0.02					
3/22/2017			<0.02			
9/19/2017	0.0022 (J)	<0.02		0.0028 (J)	<0.02	
9/21/2017			0.0034 (J)			
3/13/2018		<0.02		0.0068 (J)	<0.02	
3/14/2018	0.0049 (J)		<0.02			
9/7/2018		<0.02				
9/10/2018	<0.02					
9/11/2018			<0.02	<0.02	<0.02	
3/8/2019				<0.02	<0.02	
3/11/2019	0.0034 (J)	0.0021 (J)				
3/12/2019			<0.02			
9/5/2019		0.0053 (J)		0.00675 (JD)	0.0053 (J)	
9/6/2019	0.045		0.0059 (J)			
3/3/2020	0.0044 (J)	0.0029 (J)		0.0033 (J)	0.0027 (J)	
3/5/2020			0.0084 (J)			
9/4/2020					<0.02	
9/8/2020	0.0063 (J)	0.0037 (J)				
9/9/2020			<0.02	0.0048 (J)		
3/9/2021	<0.02	<0.02		0.0063 (J)	<0.02	
3/10/2021			<0.02			
7/29/2021				<0.02		
7/30/2021			<0.02			
8/2/2021	<0.02	<0.02			<0.02	
1/27/2022		<0.02			<0.02	
1/28/2022	<0.02		0.0099 (J)	<0.02		

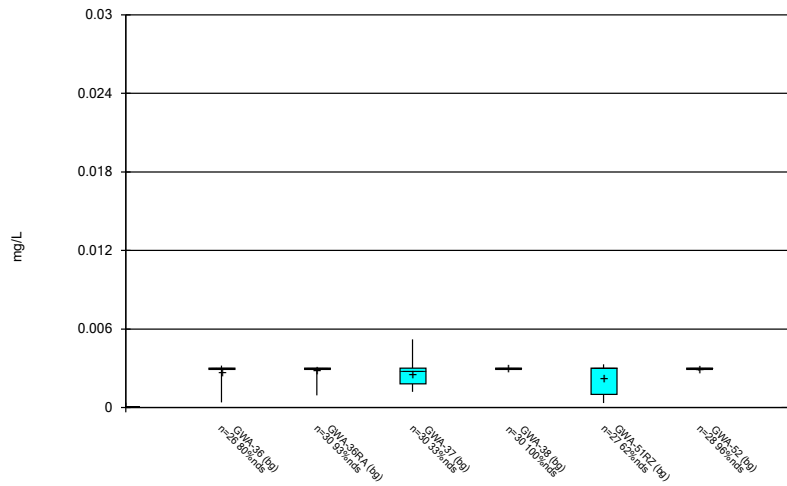
Time Series

Constituent: Zinc (mg/L) Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-22R	GWC-23R	GWC-24R	GWC-25R	GWA-36A (bg)
8/8/2022						0.011 (J)
8/9/2022				<0.02	<0.02	
8/10/2022	0.016 (J)	<0.02				
8/11/2022			<0.02			
2/8/2023						0.017 (J)
2/9/2023	0.012 (J)	<0.02		<0.02	<0.02	
2/10/2023			<0.02			
8/2/2023						<0.02
8/3/2023		<0.02	<0.02	<0.02	<0.02	
8/4/2023	<0.02					

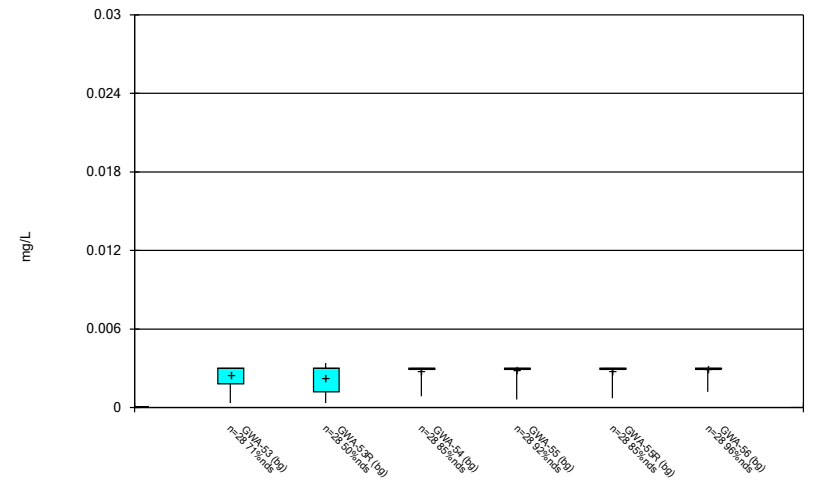
FIGURE B.

Box & Whiskers Plot



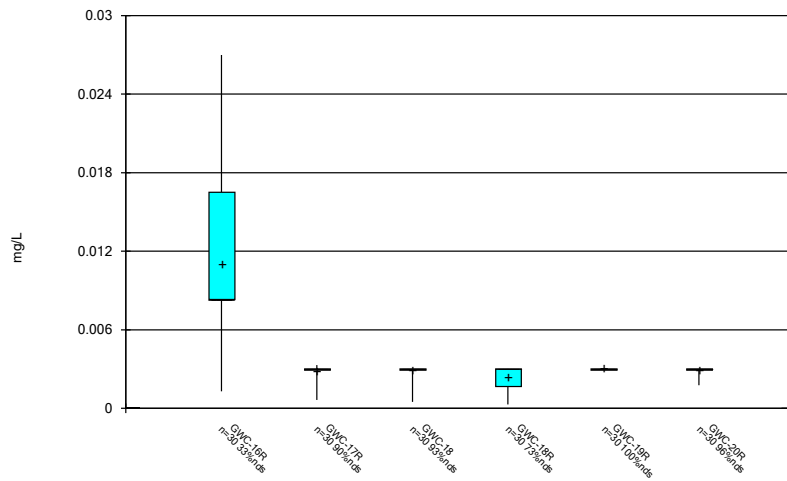
Constituent: Antimony Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



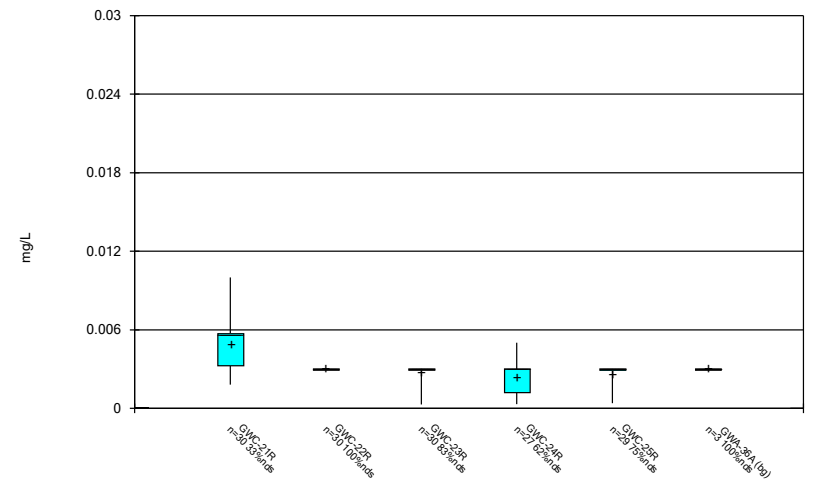
Constituent: Antimony Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



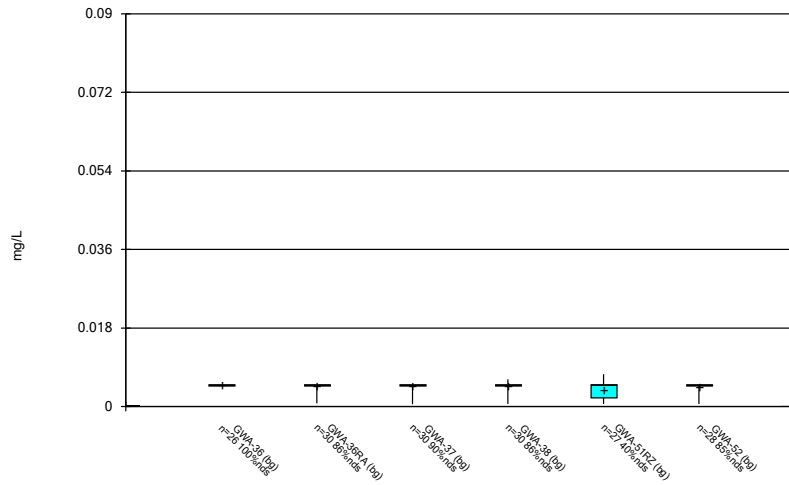
Constituent: Antimony Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



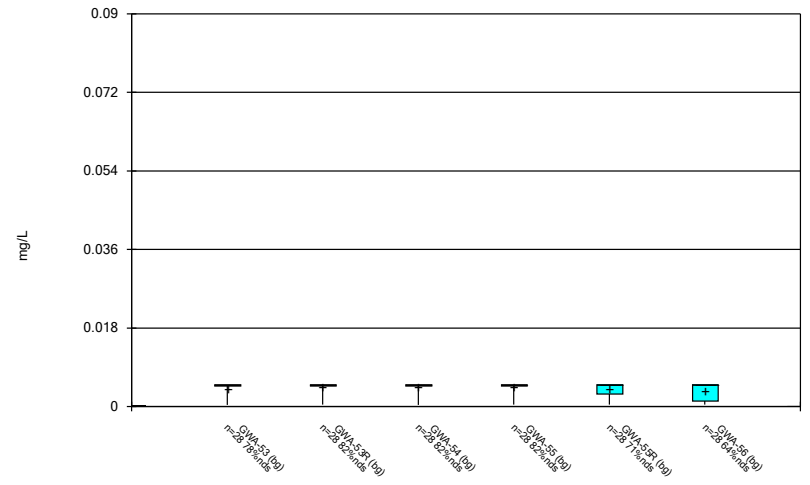
Constituent: Antimony Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



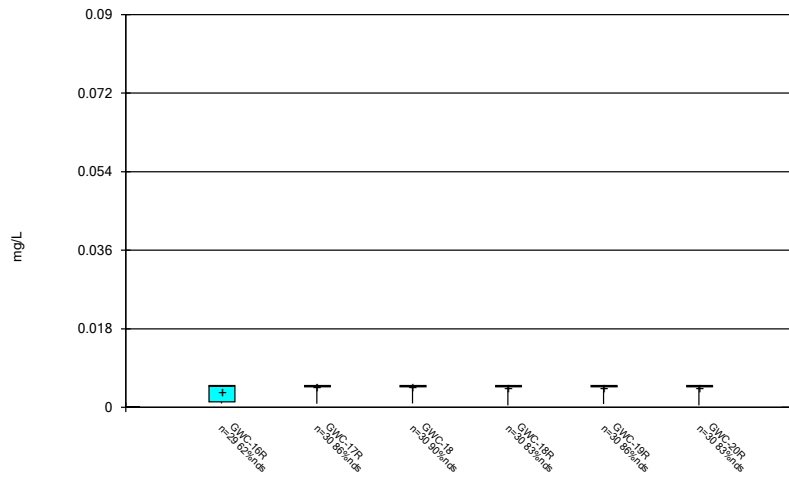
Constituent: Arsenic Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



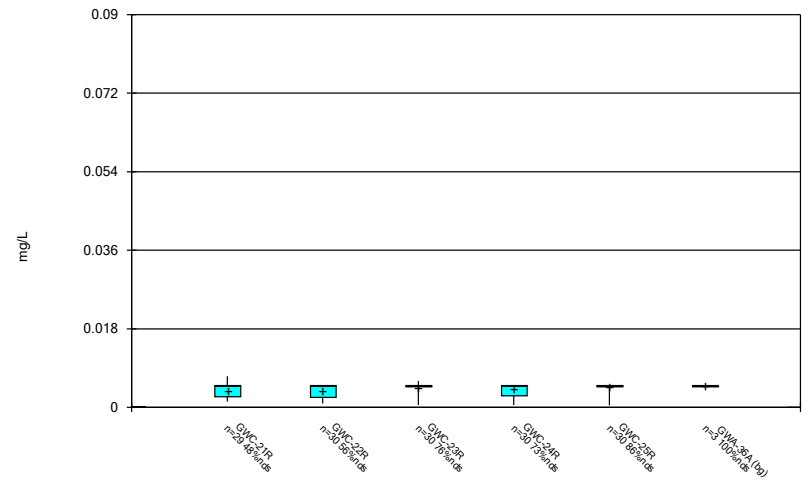
Constituent: Arsenic Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



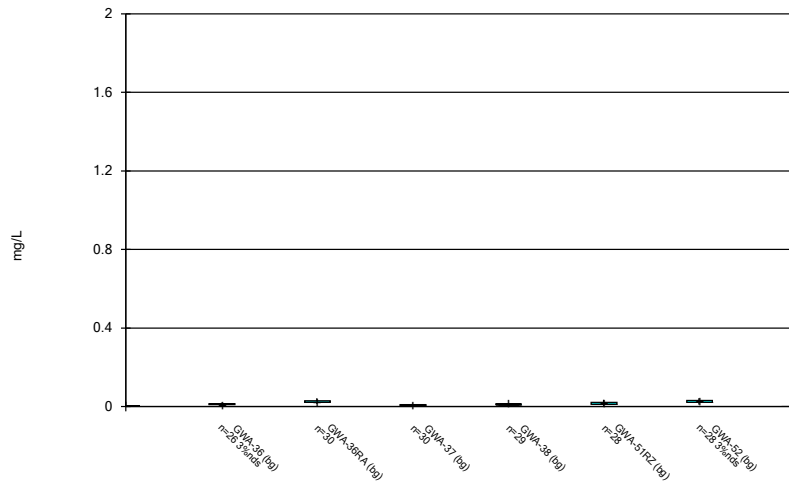
Constituent: Arsenic Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



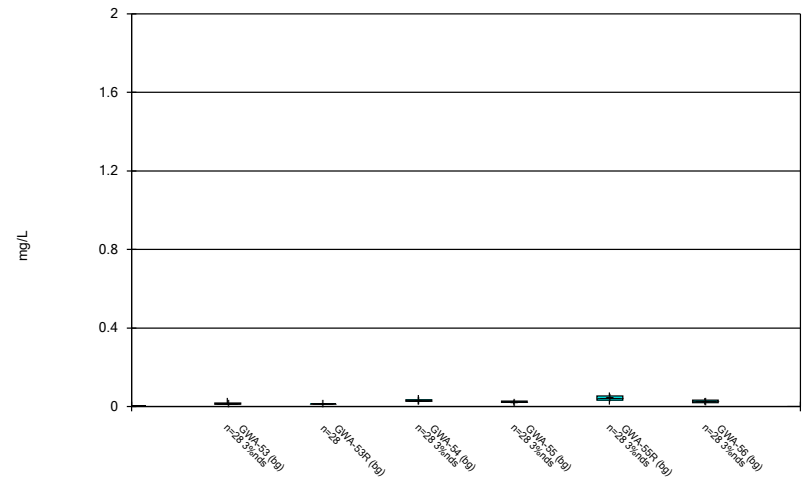
Constituent: Arsenic Analysis Run 9/15/2023 8:19 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



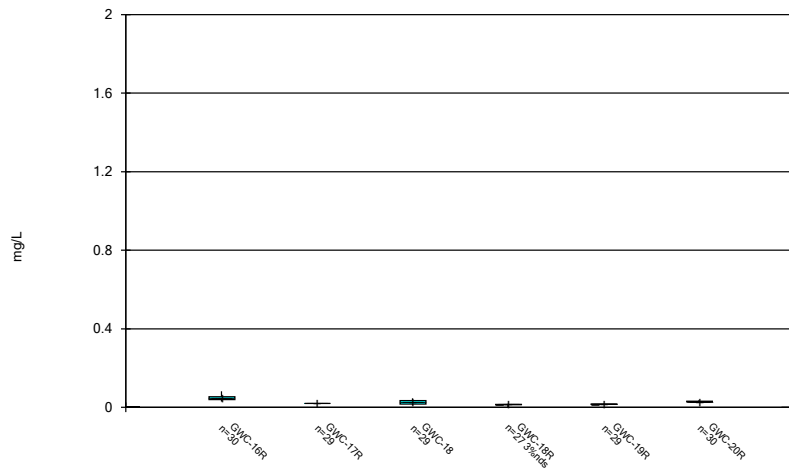
Constituent: Barium Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



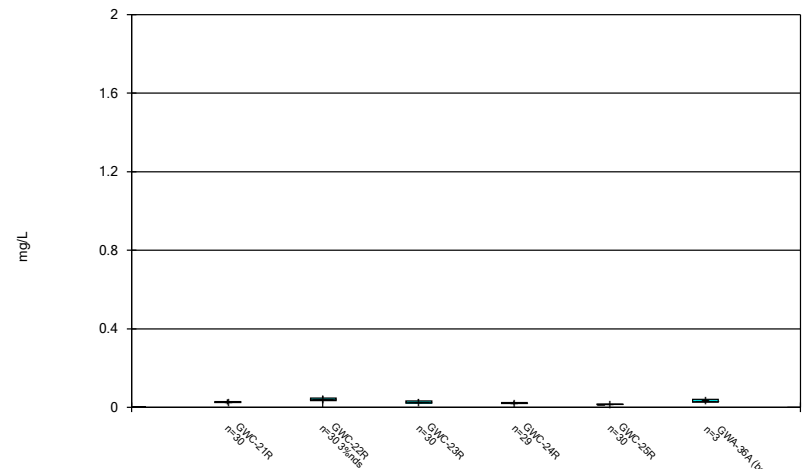
Constituent: Barium Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



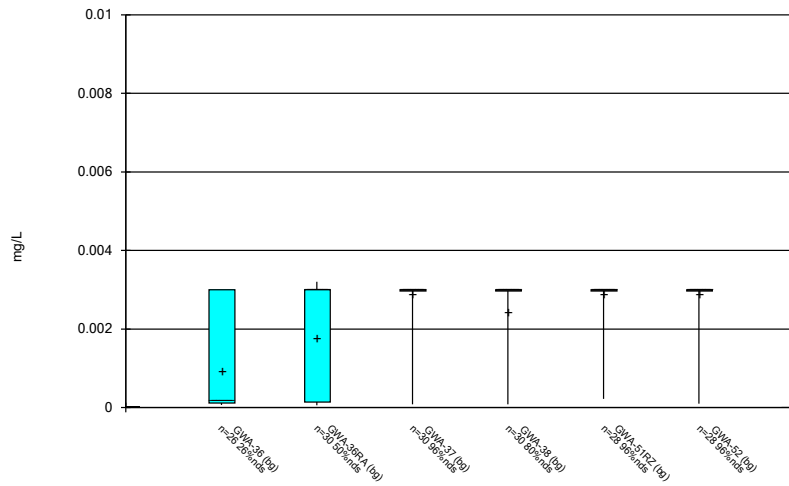
Constituent: Barium Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



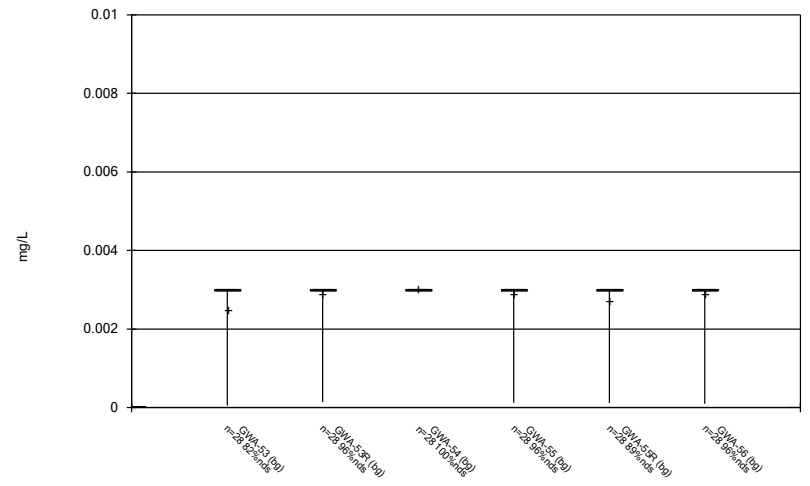
Constituent: Barium Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



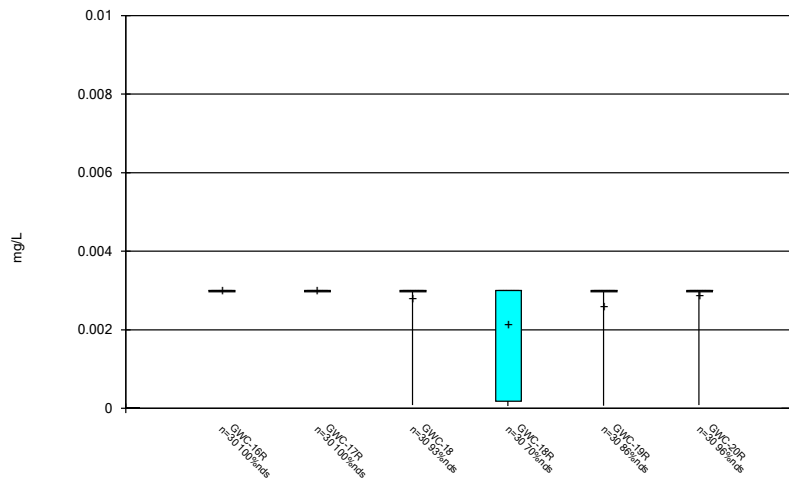
Constituent: Beryllium Analysis Run 9/15/2023 8:19 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



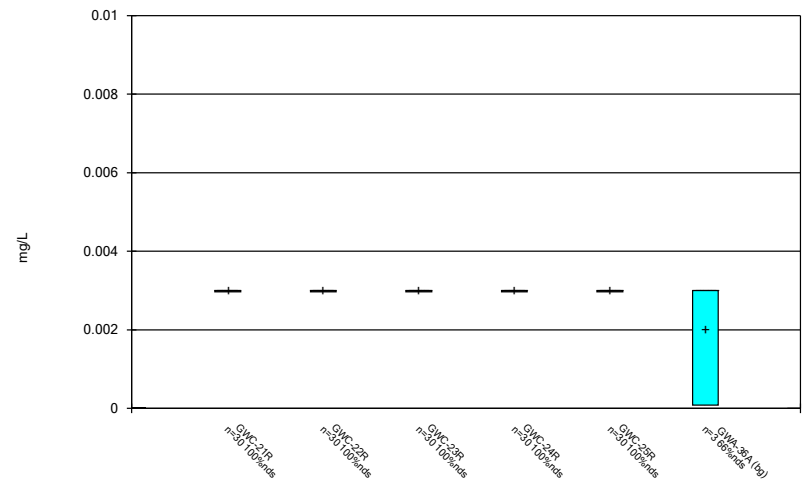
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



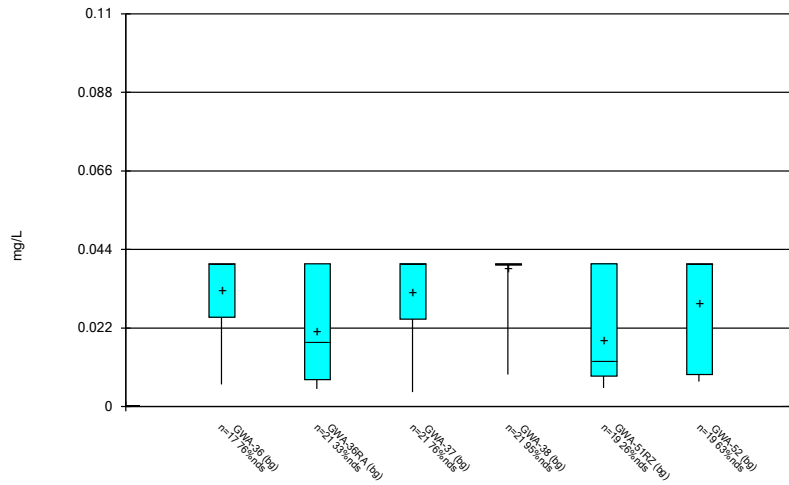
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



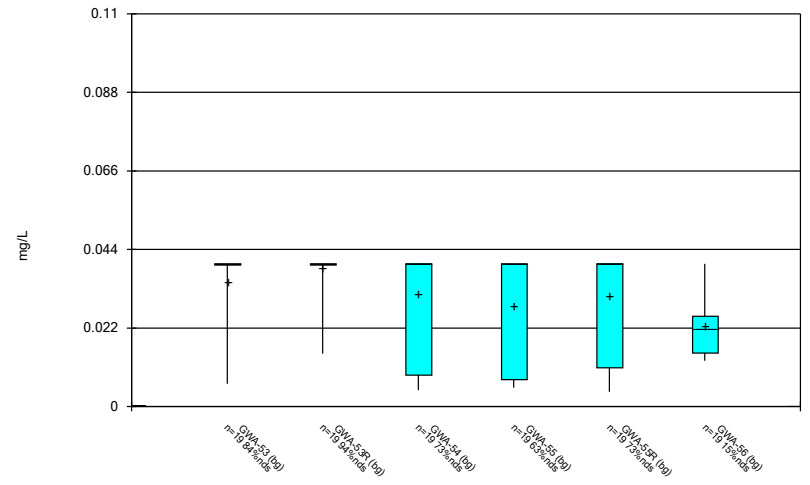
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



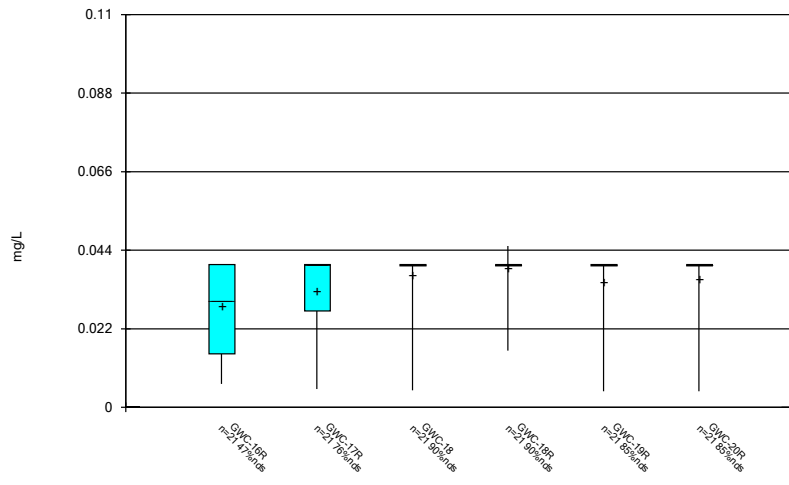
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



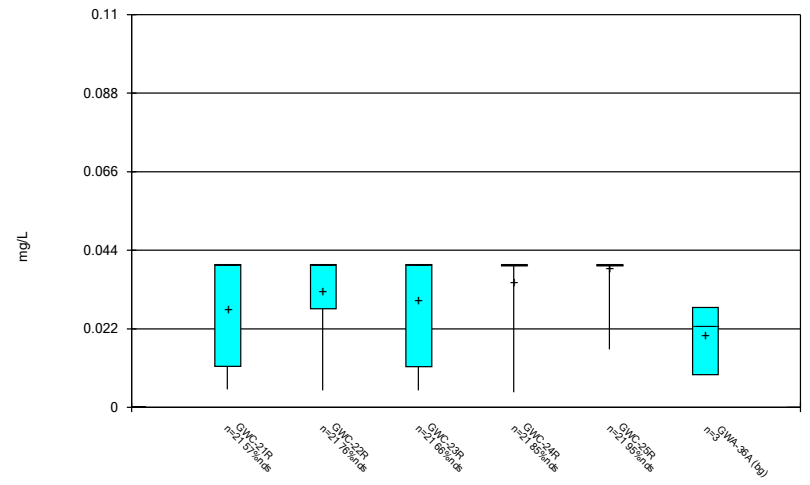
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



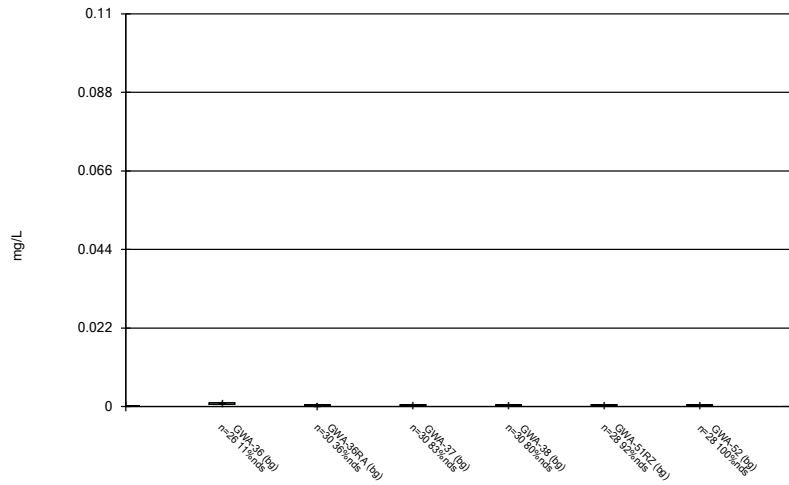
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



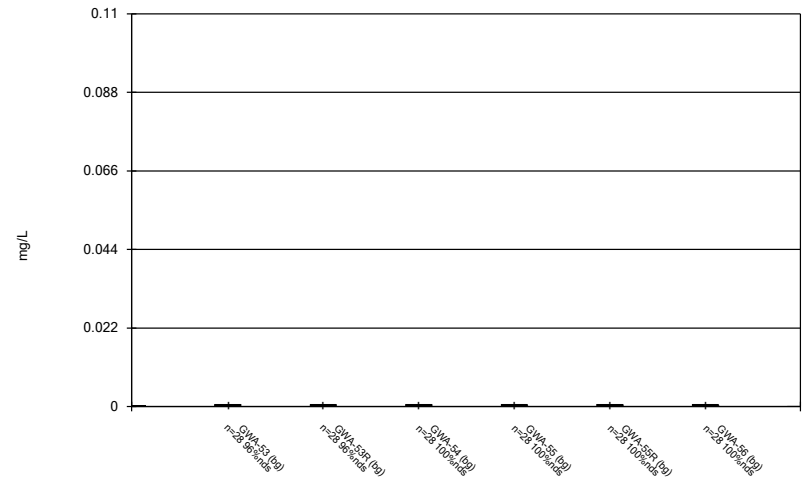
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



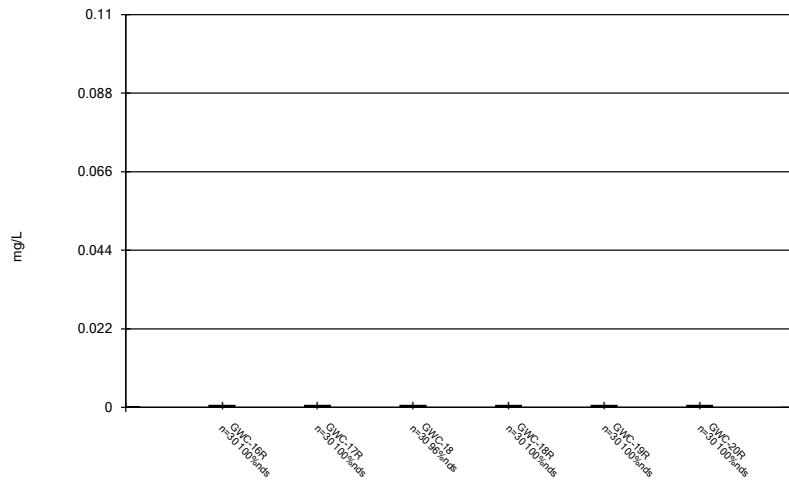
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



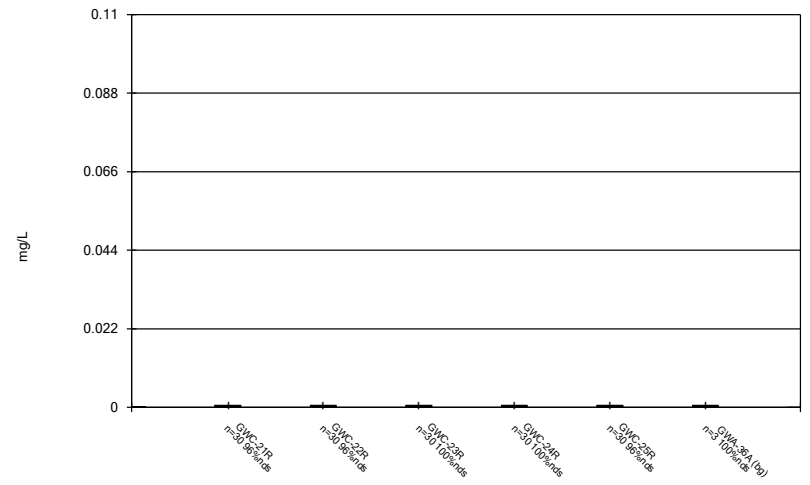
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



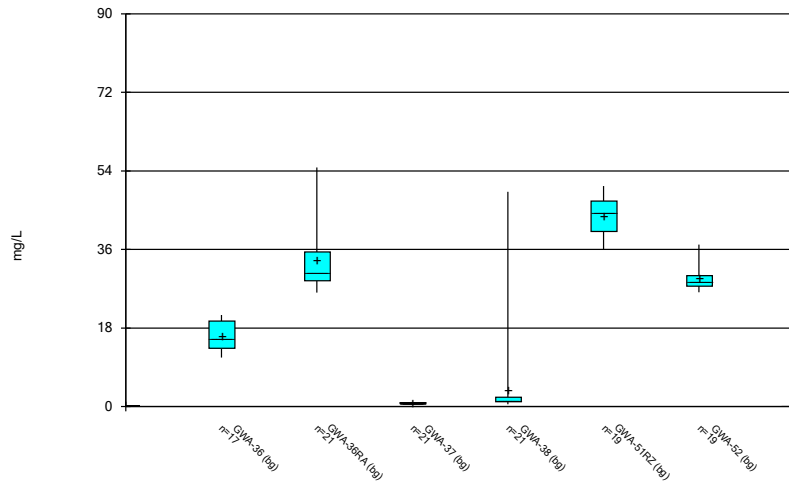
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



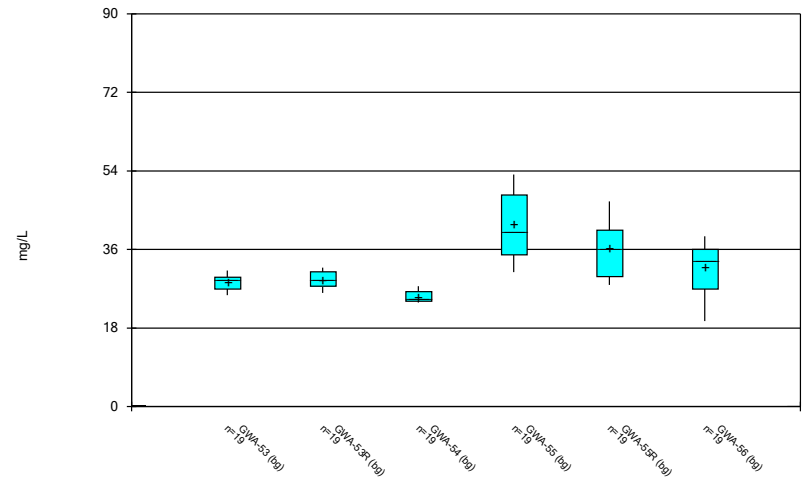
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



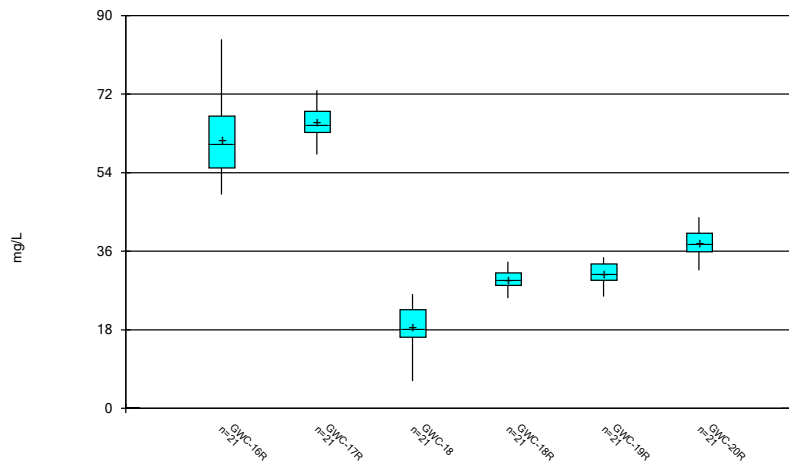
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



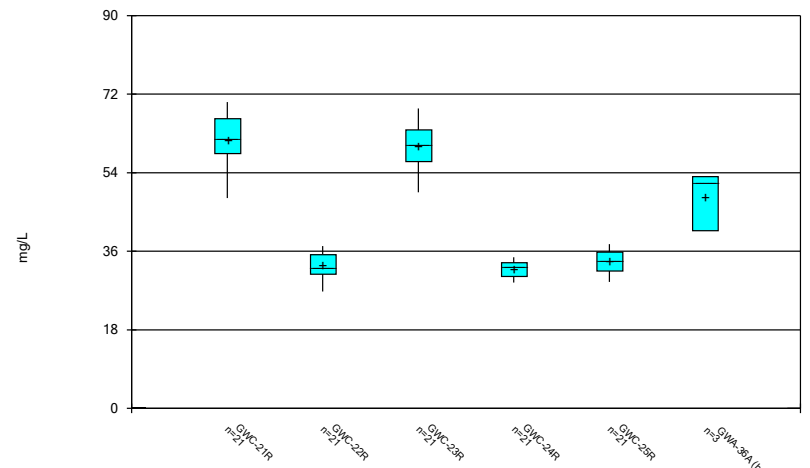
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Box & Whiskers Plot



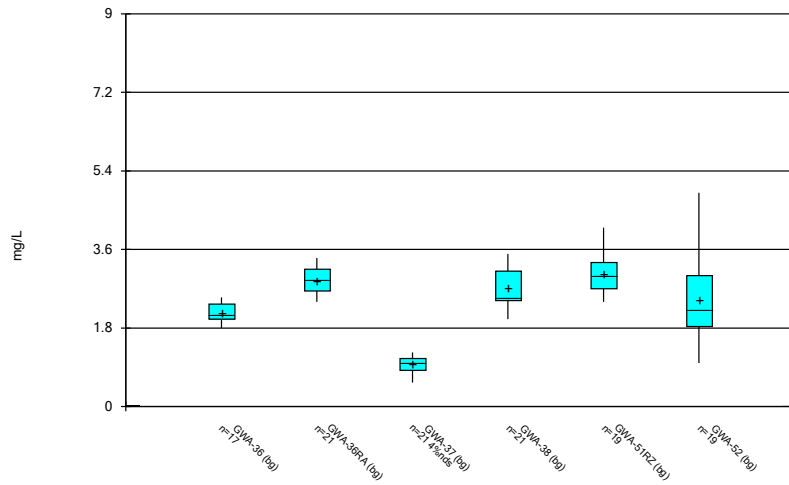
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Box & Whiskers Plot



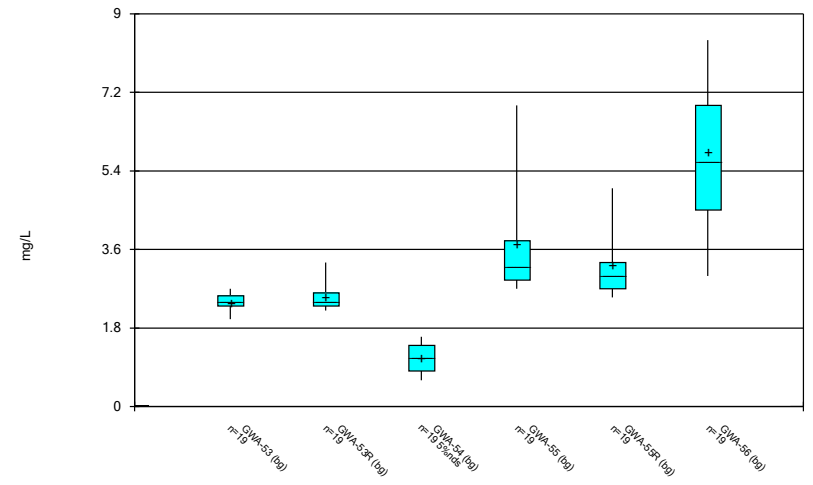
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Box & Whiskers Plot



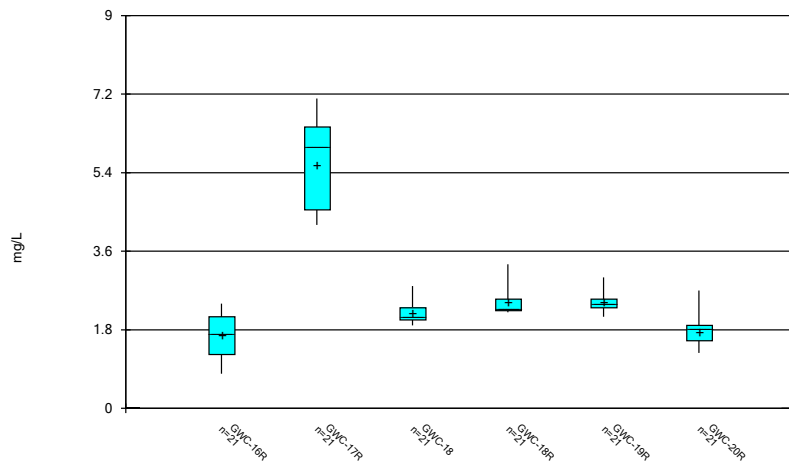
Constituent: Chloride Analysis Run 9/15/2023 8:20 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



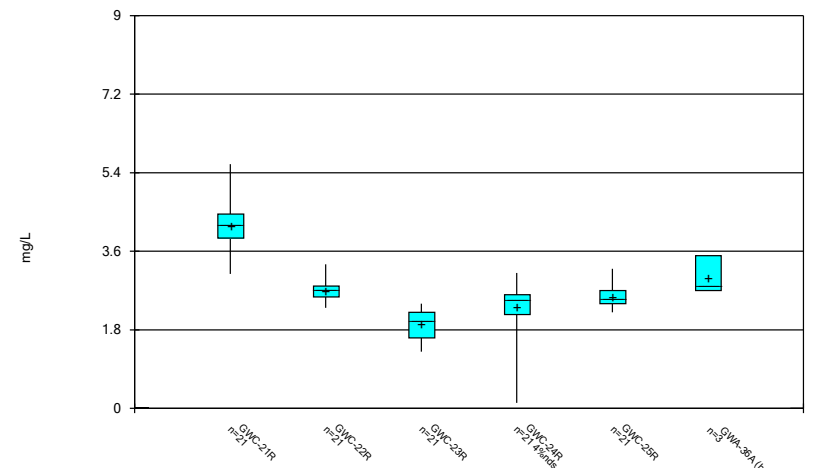
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



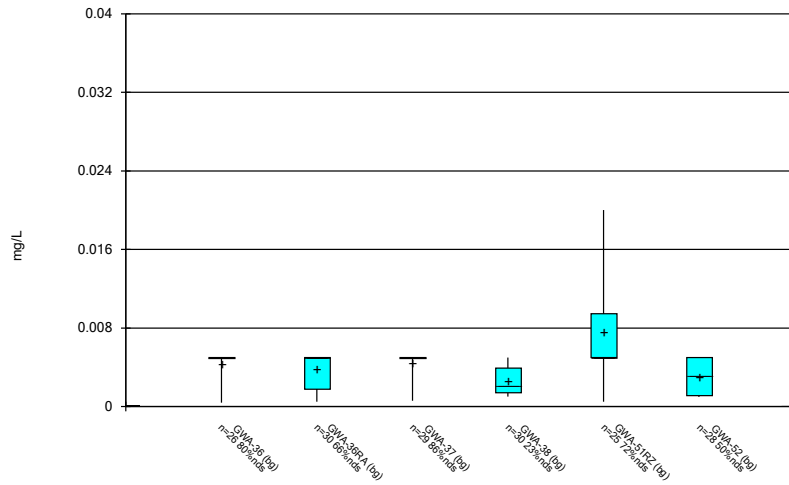
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



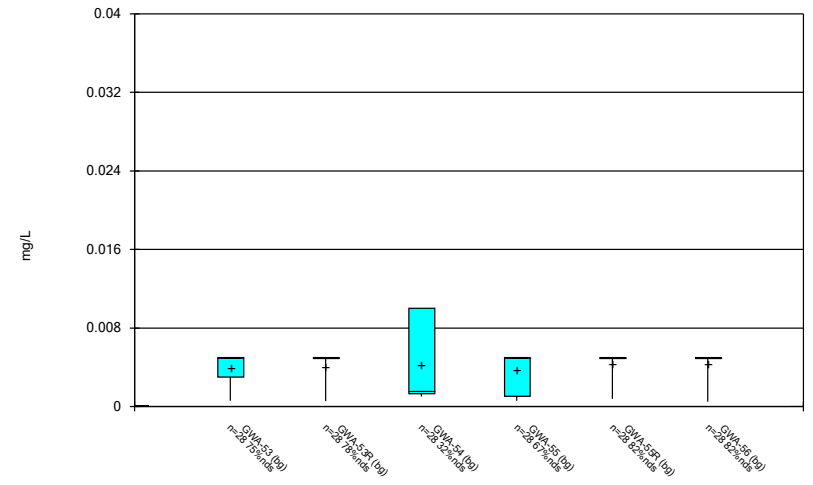
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



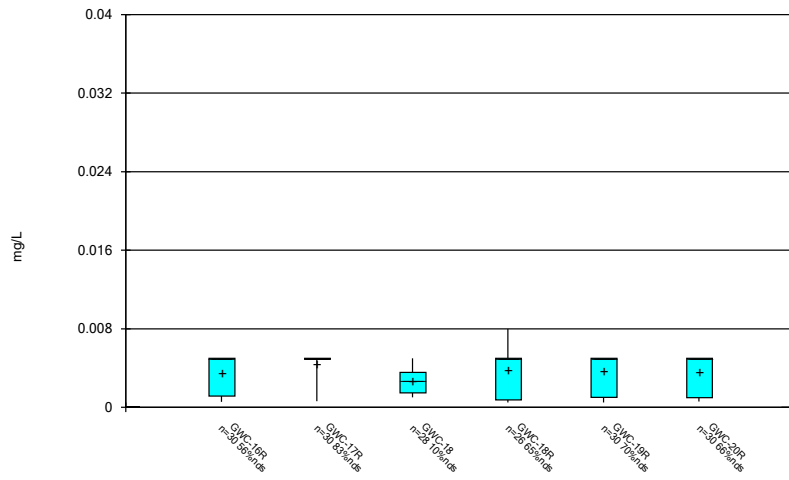
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



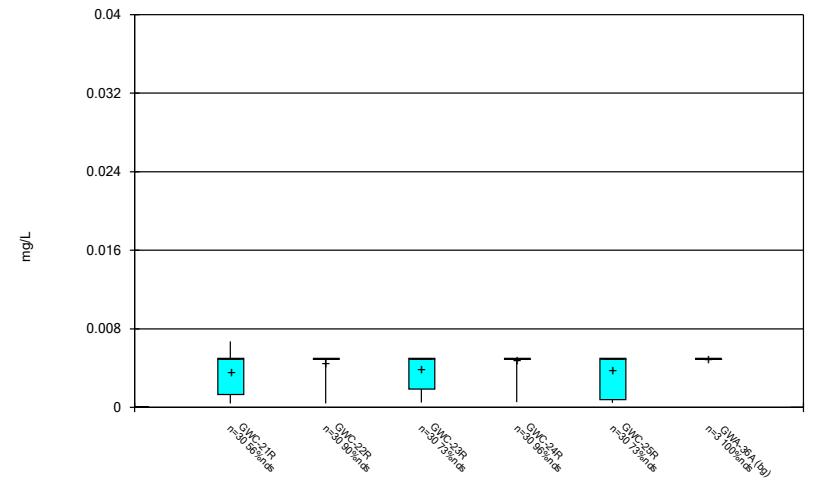
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



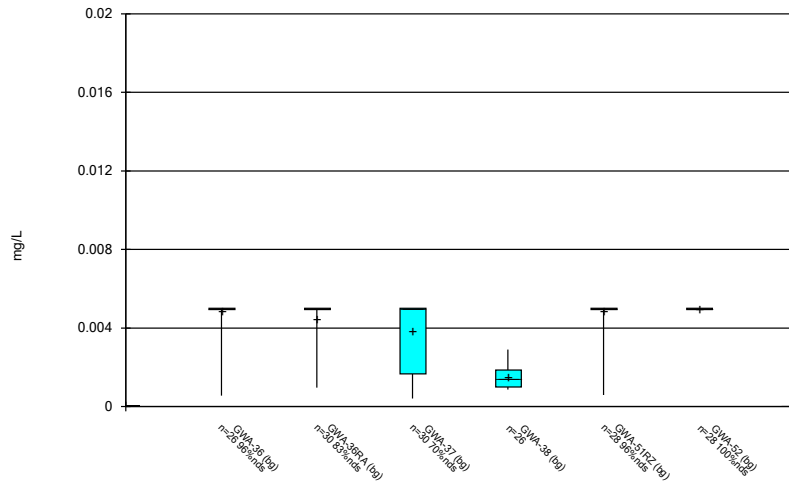
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



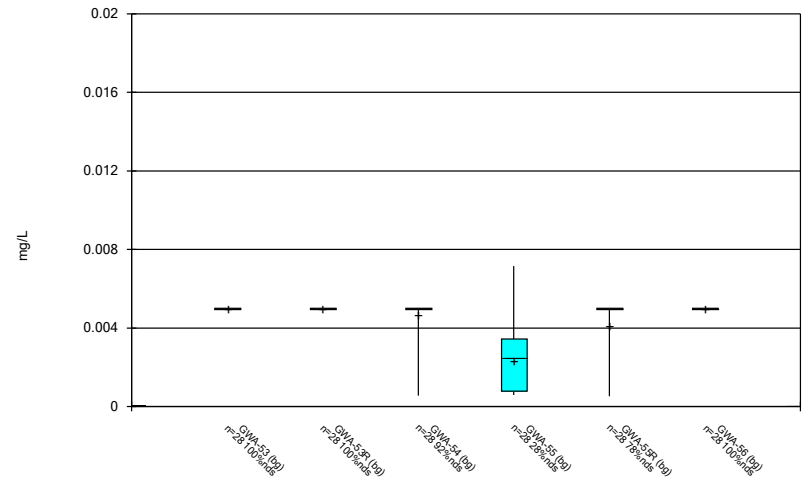
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



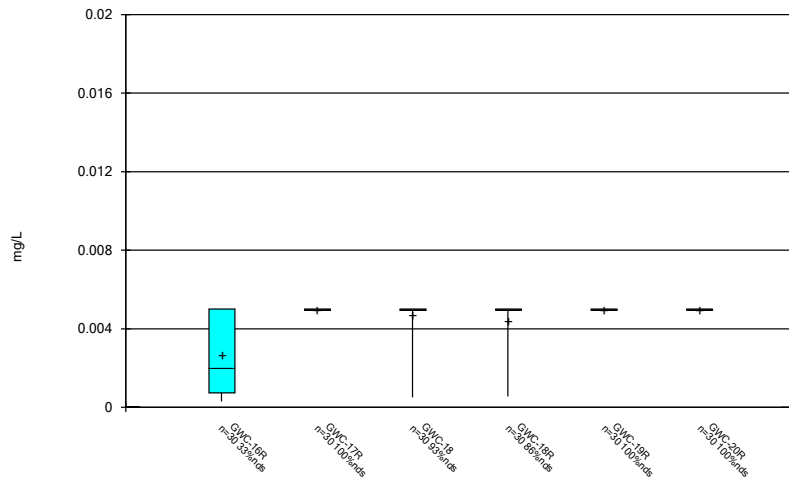
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



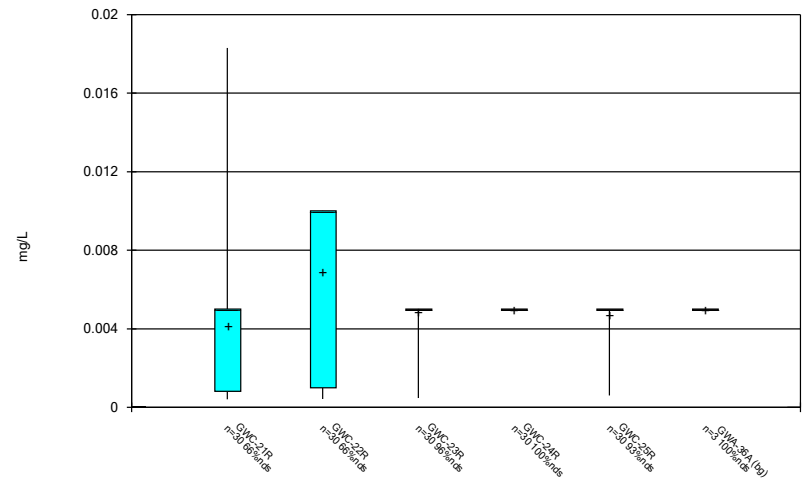
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



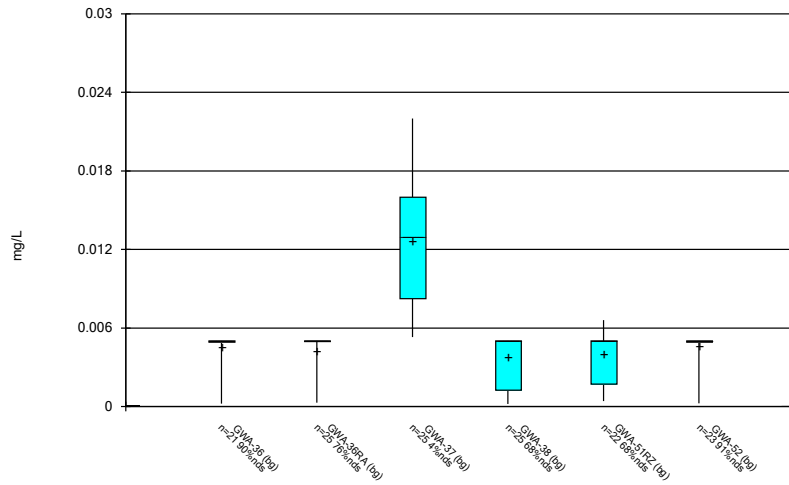
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



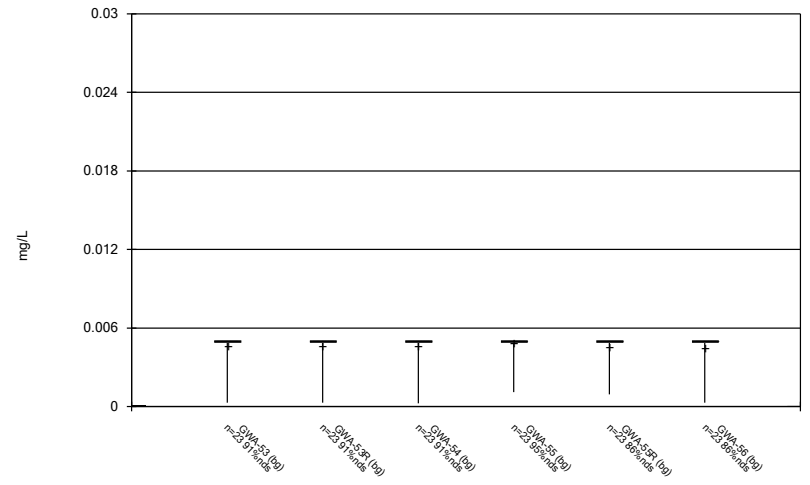
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



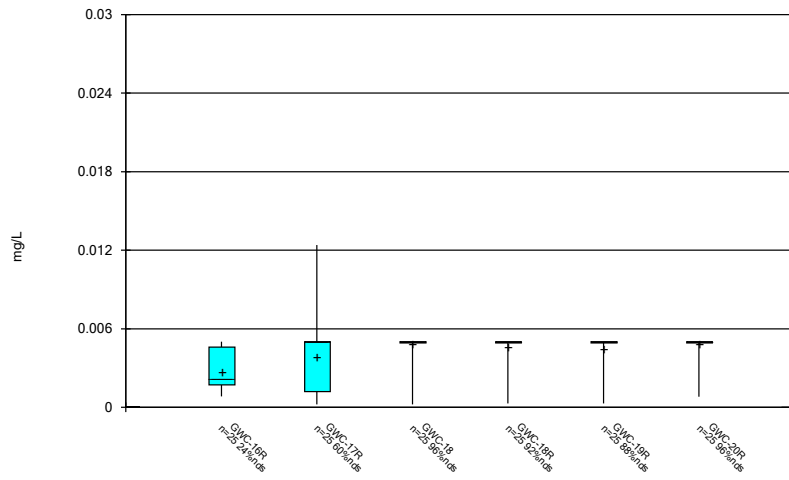
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



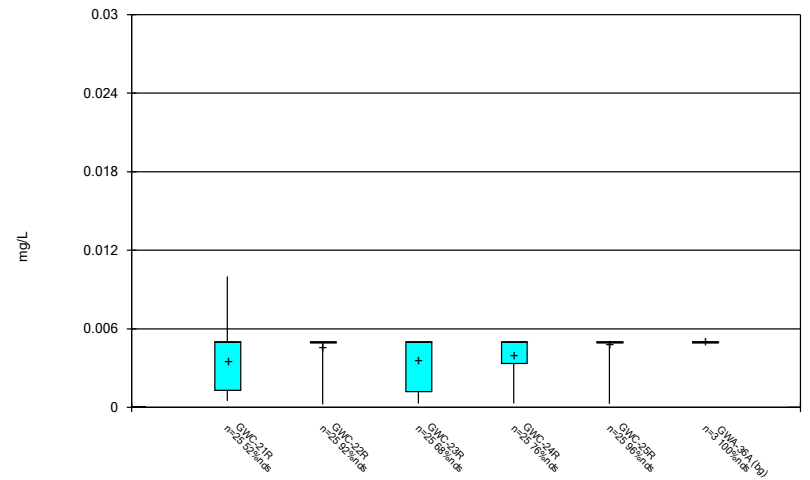
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



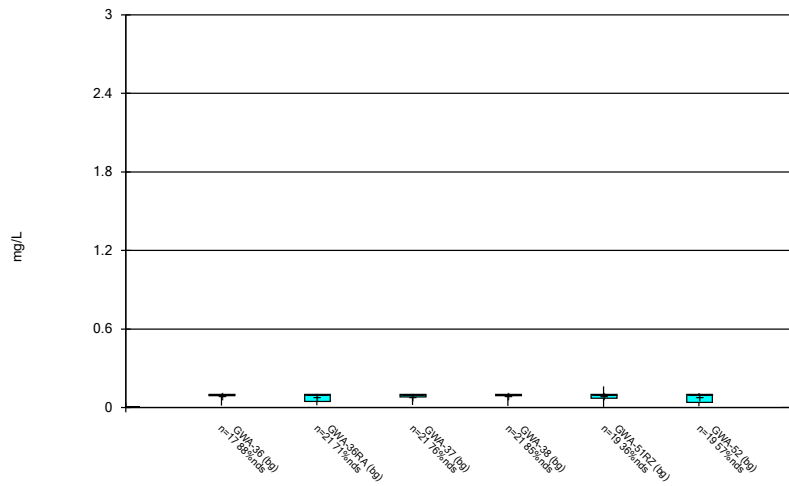
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



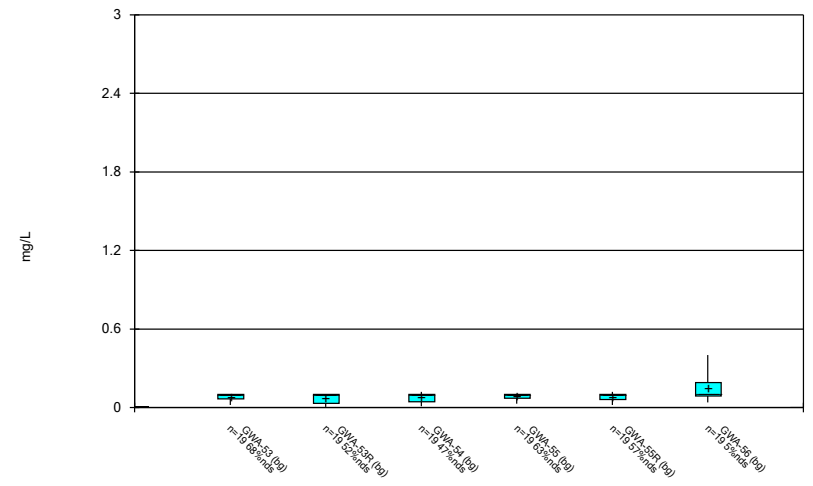
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



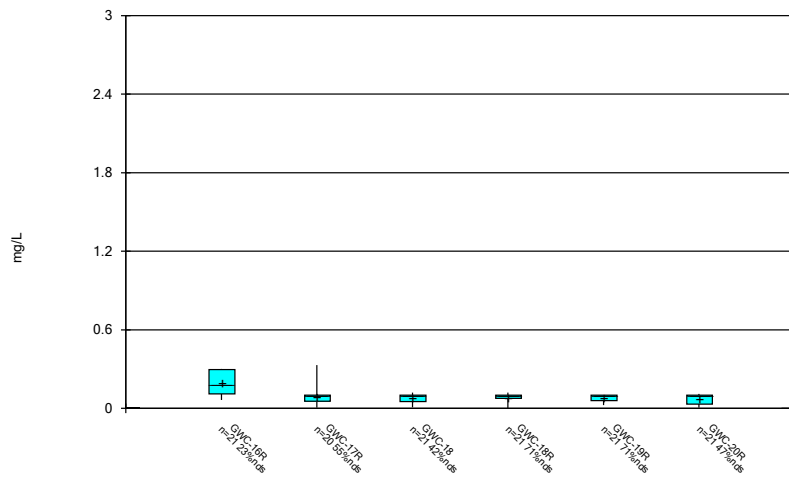
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



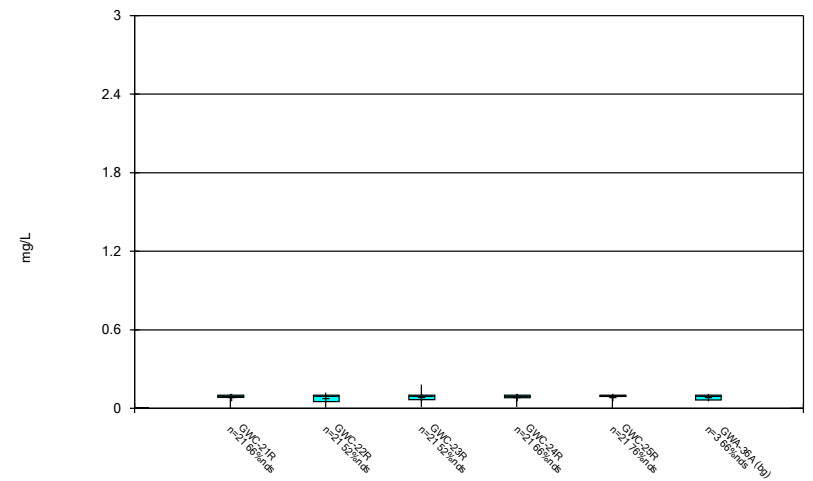
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



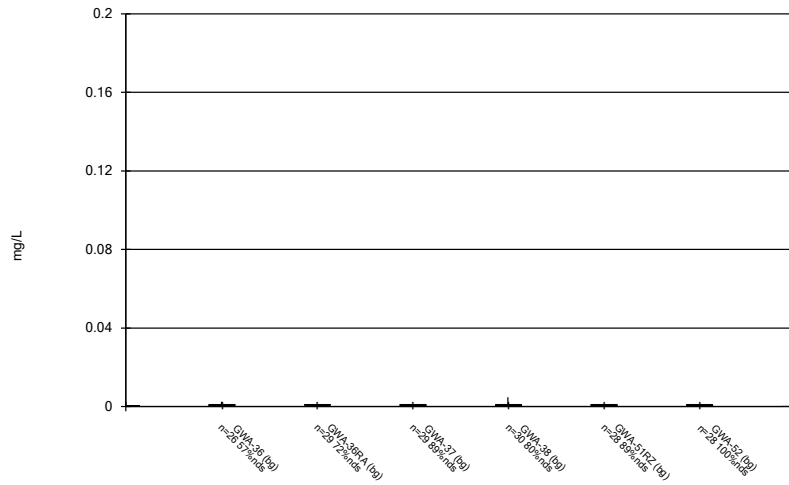
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Box & Whiskers Plot



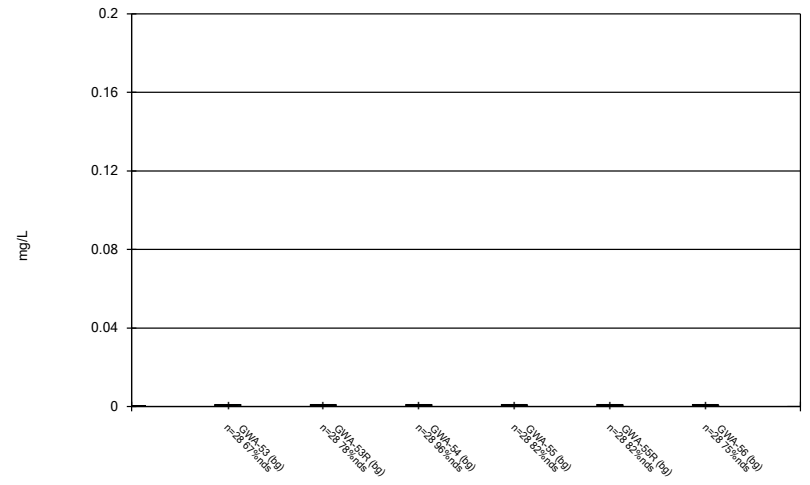
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



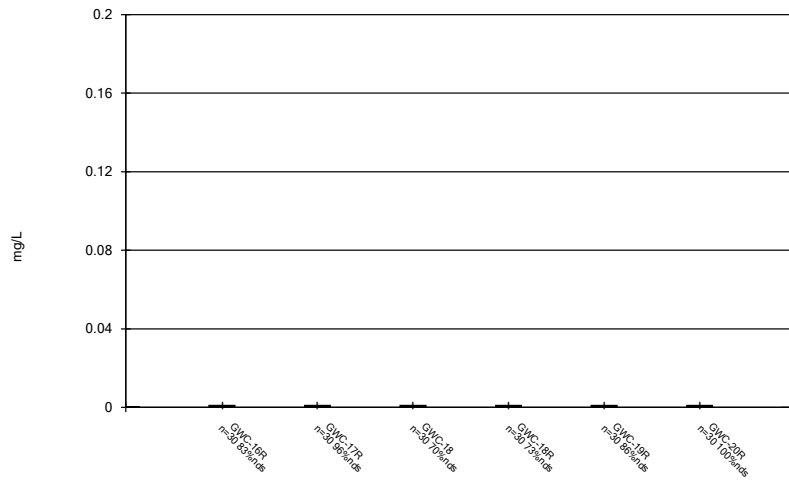
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



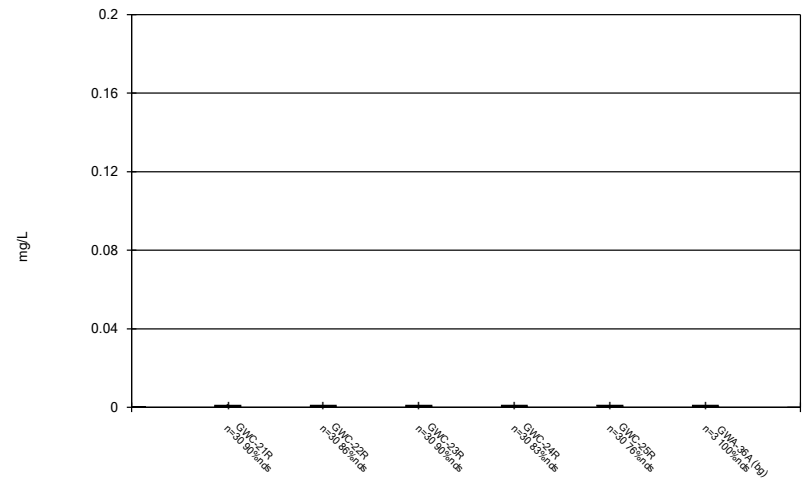
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



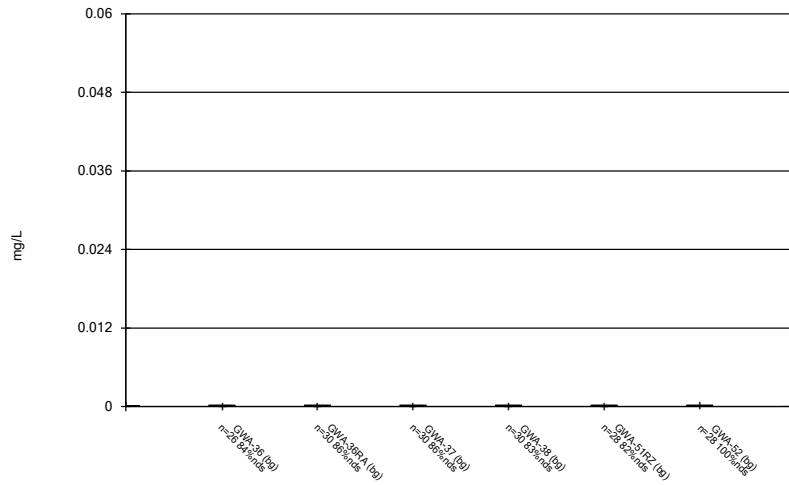
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



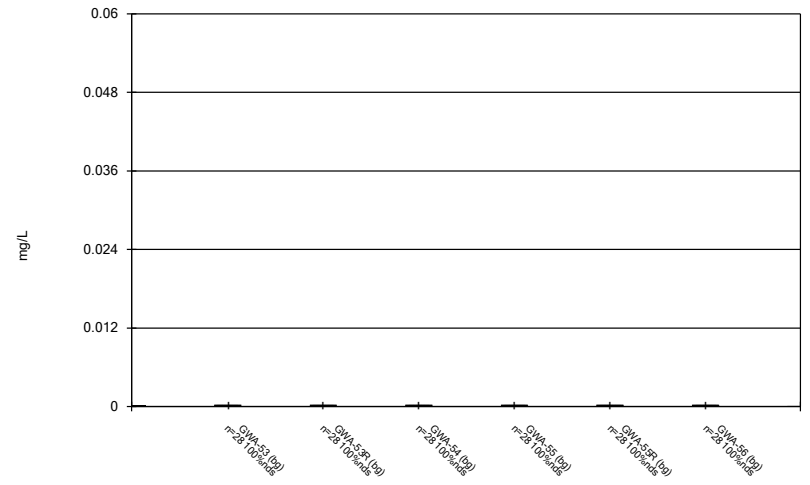
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



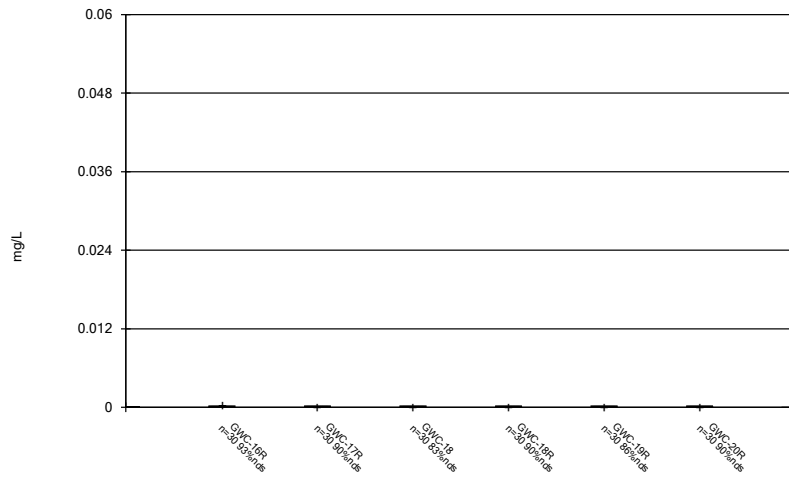
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



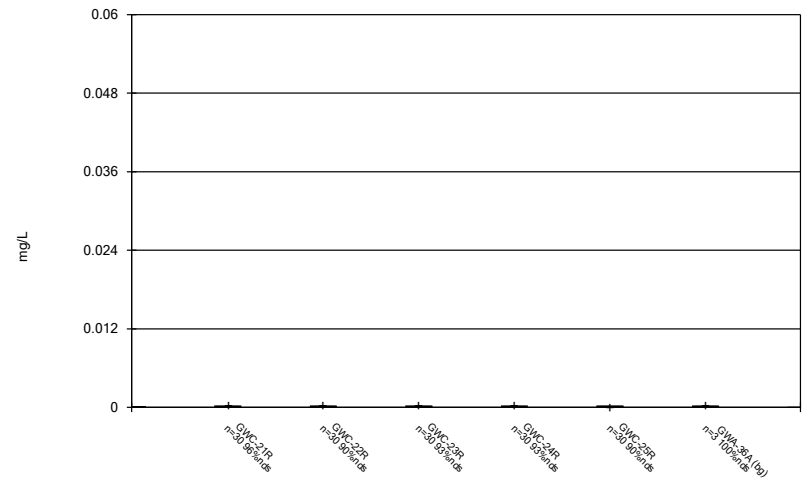
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



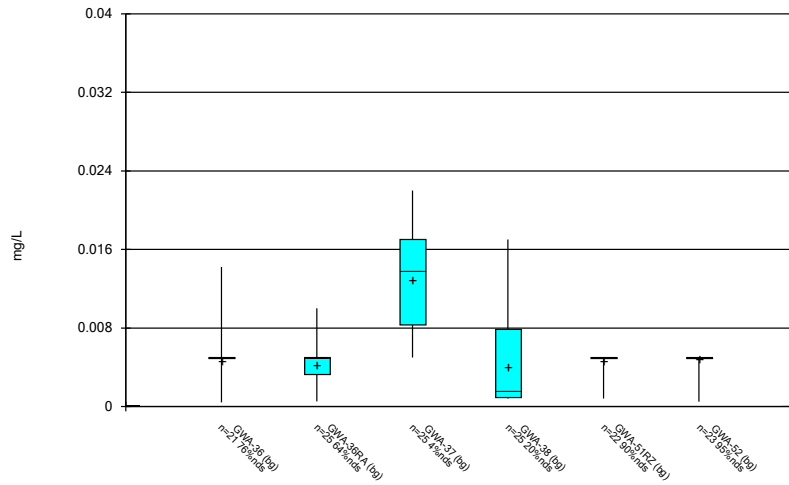
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



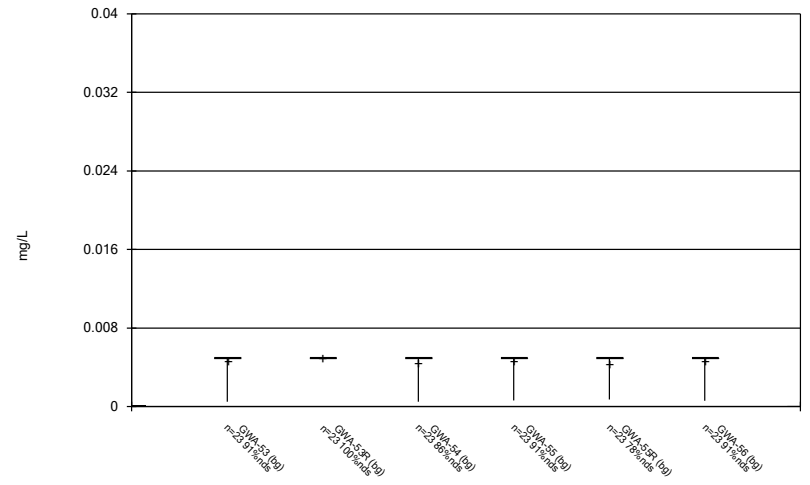
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



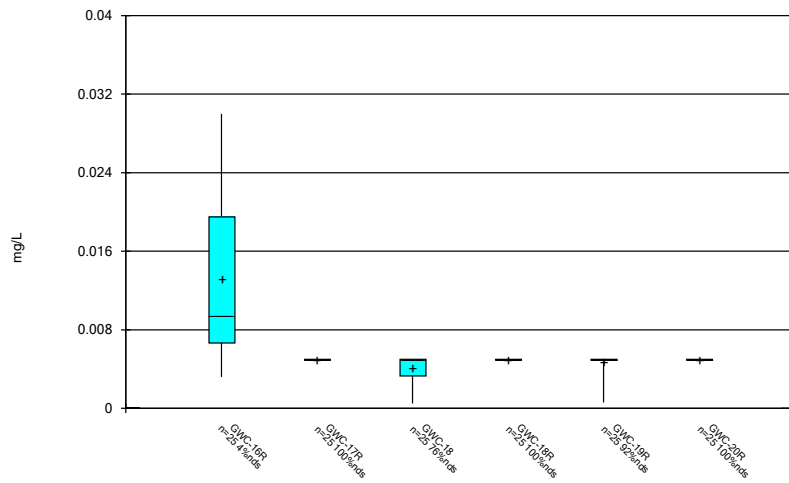
Constituent: Nickel Analysis Run 9/15/2023 8:20 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



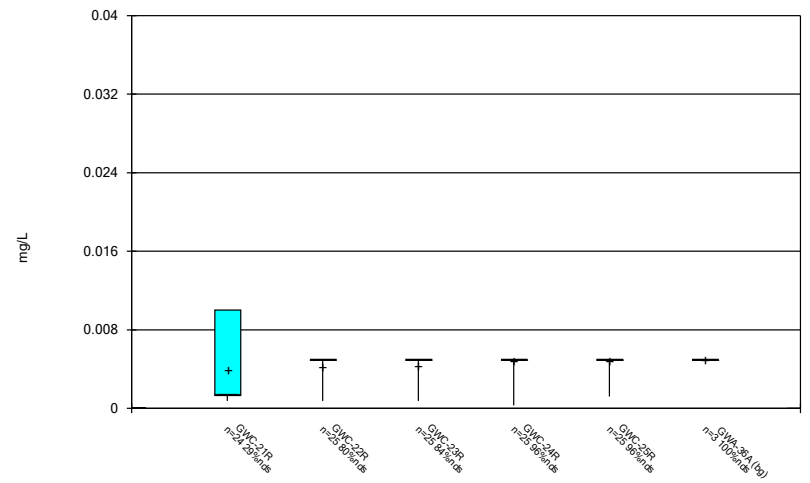
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



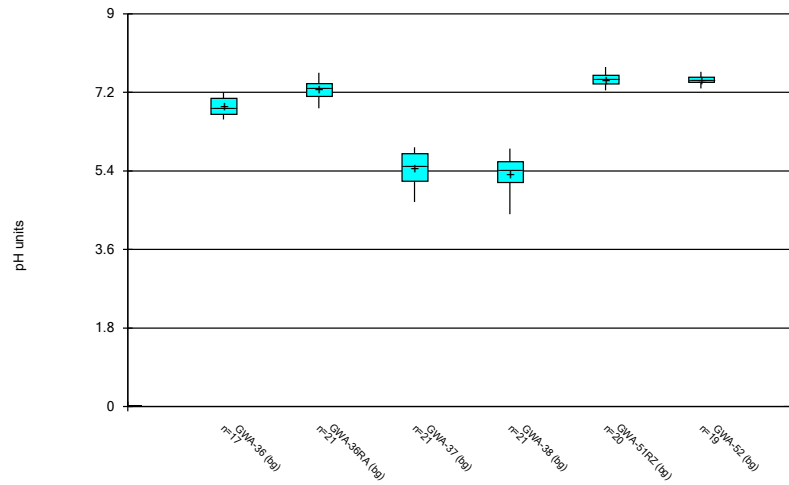
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



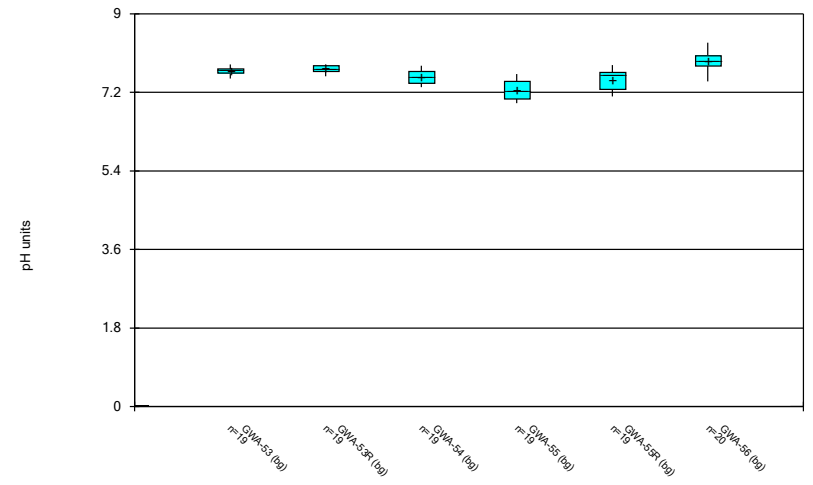
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



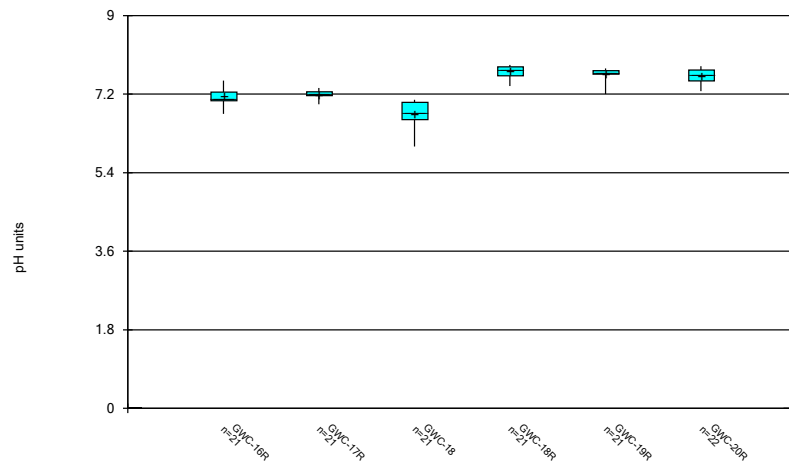
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



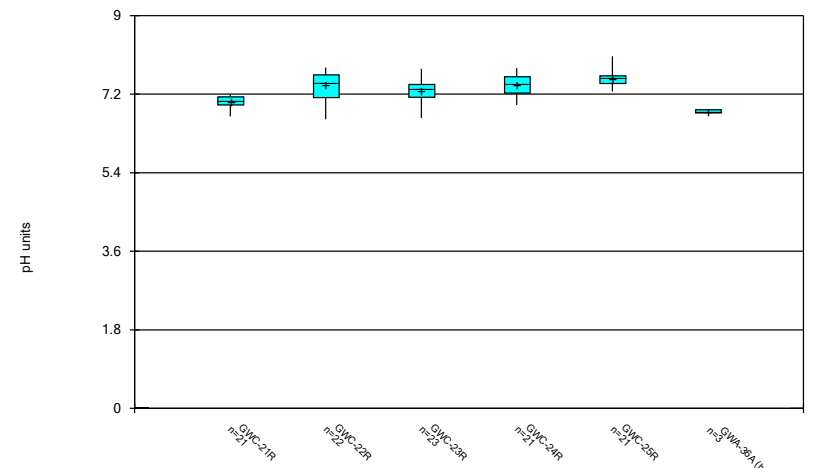
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



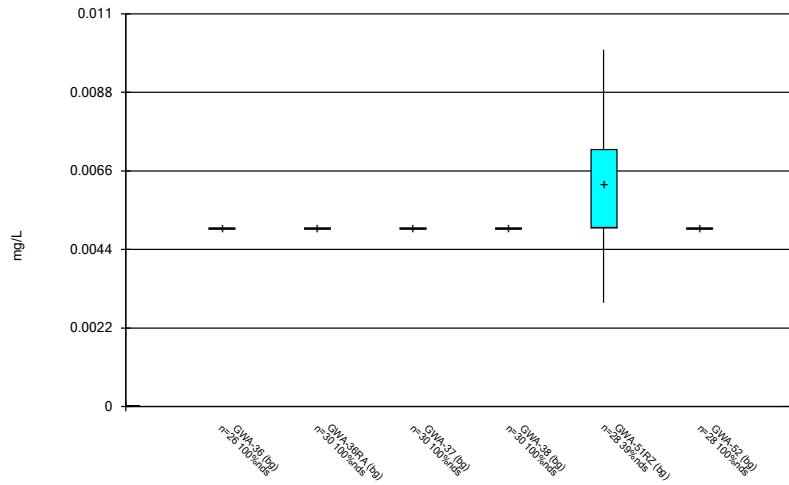
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



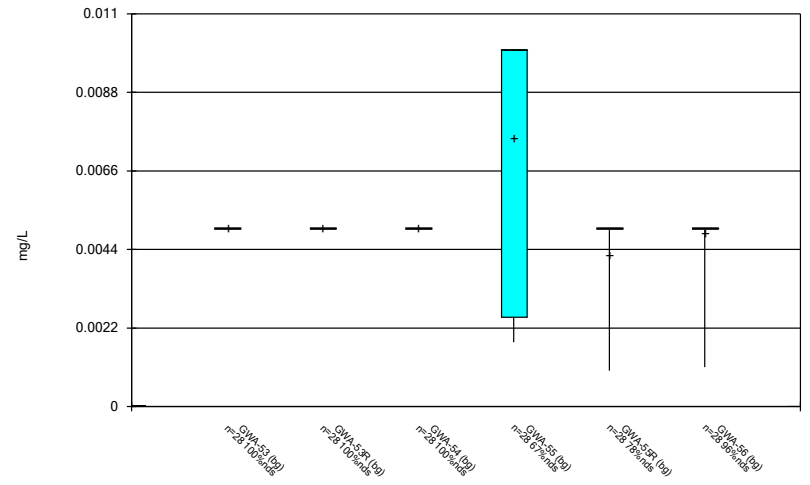
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



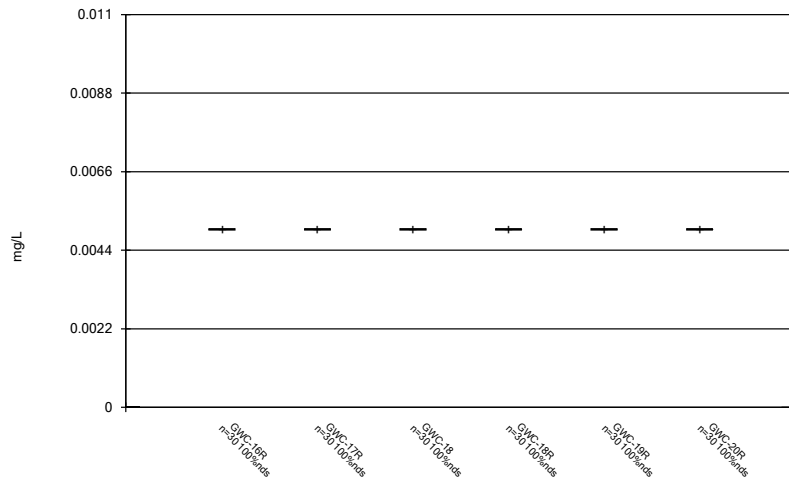
Constituent: Selenium Analysis Run 9/15/2023 8:20 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



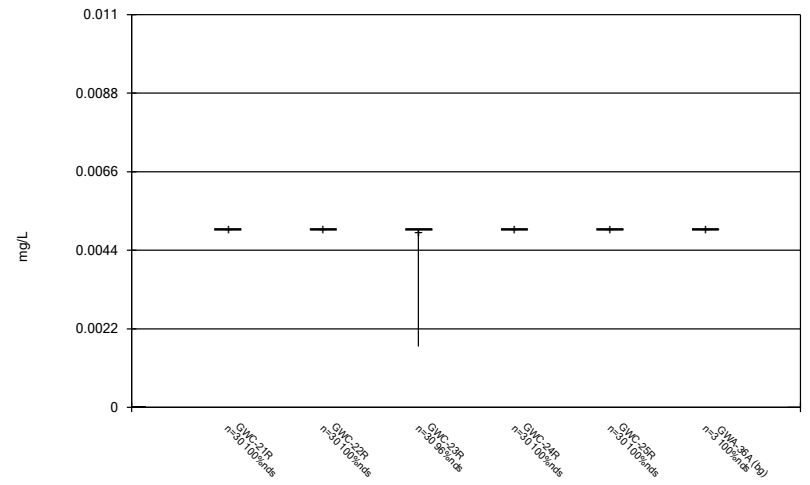
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



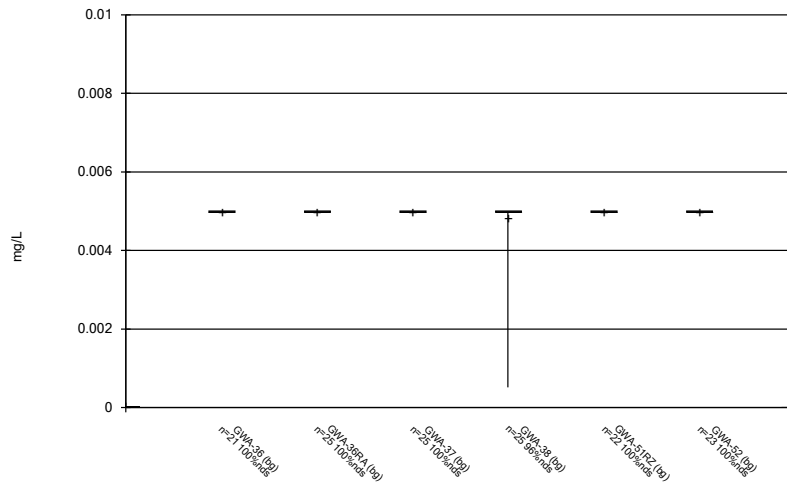
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



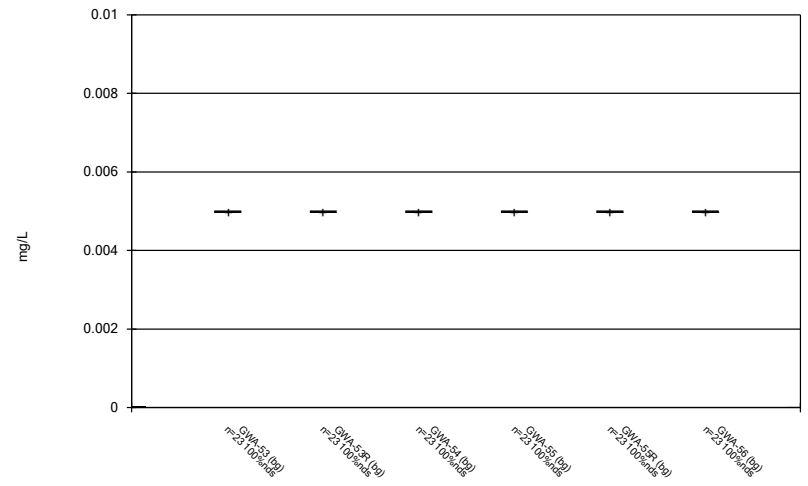
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



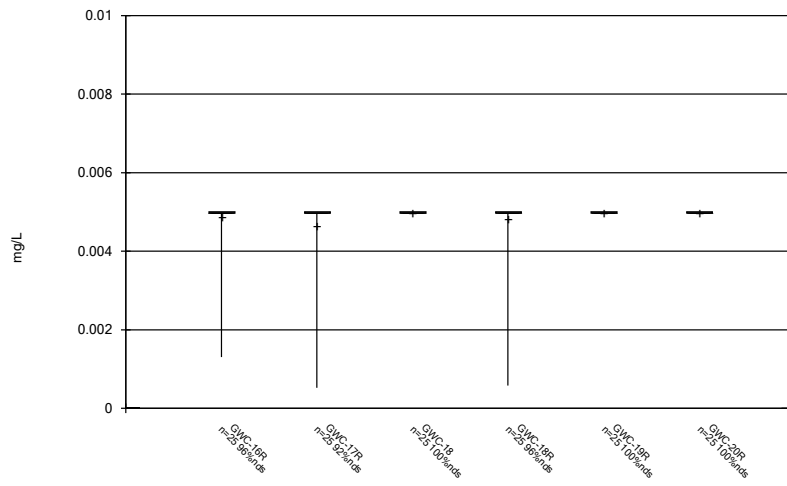
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



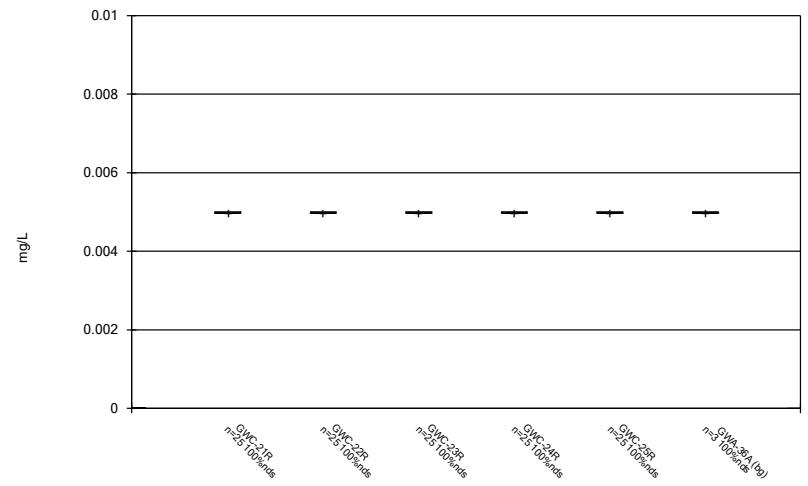
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



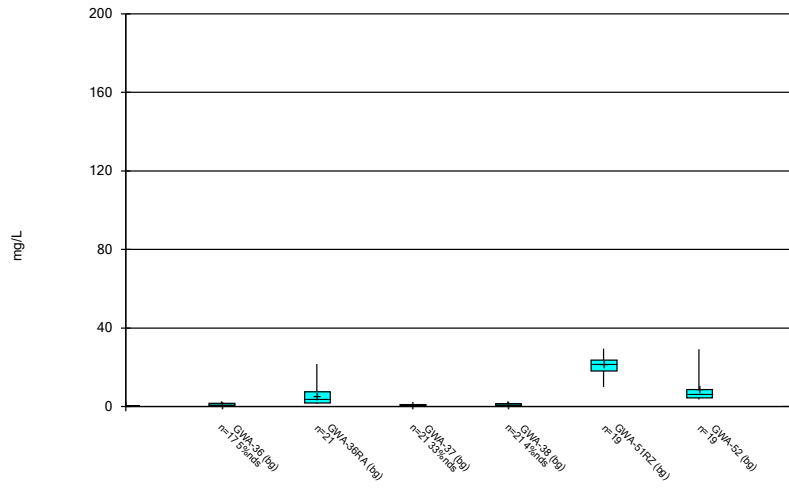
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



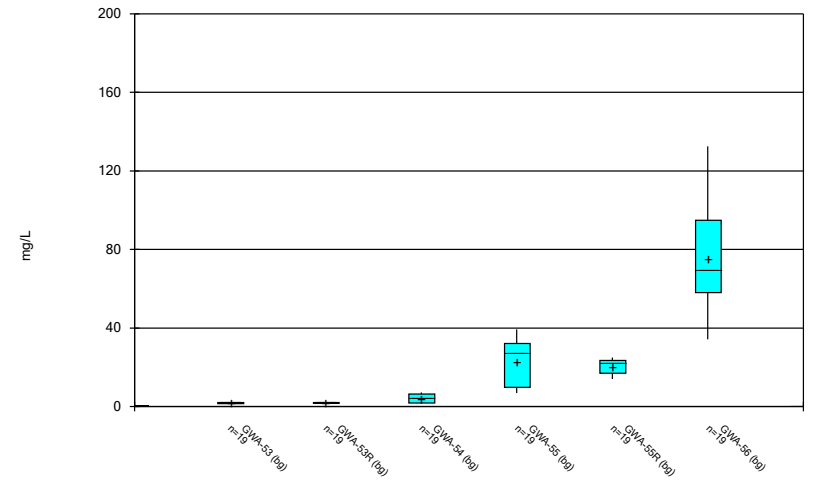
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



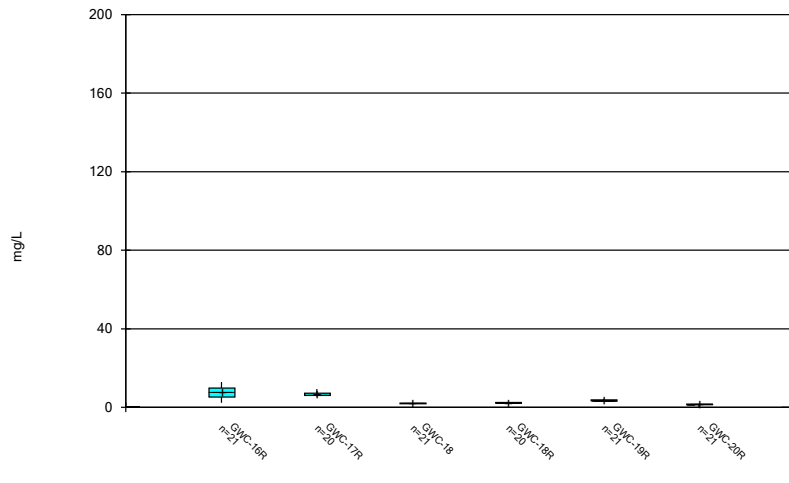
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



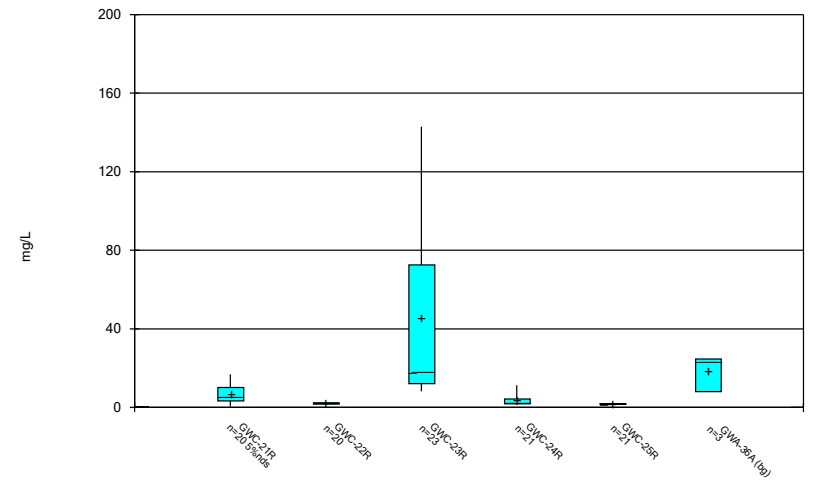
Constituent: Sulfate Analysis Run 9/15/2023 8:20 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



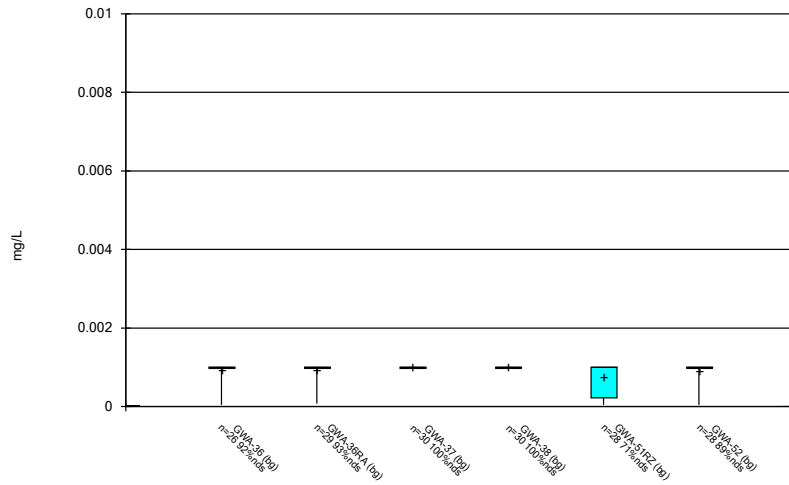
Constituent: Sulfate Analysis Run 9/15/2023 8:20 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



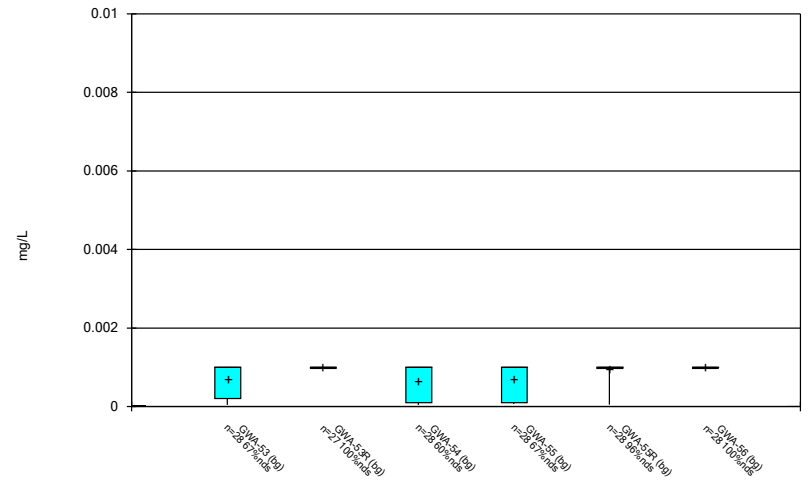
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



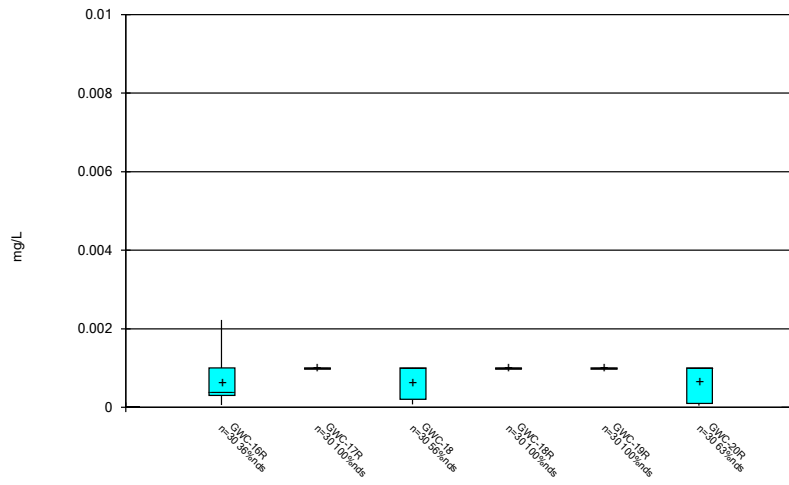
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



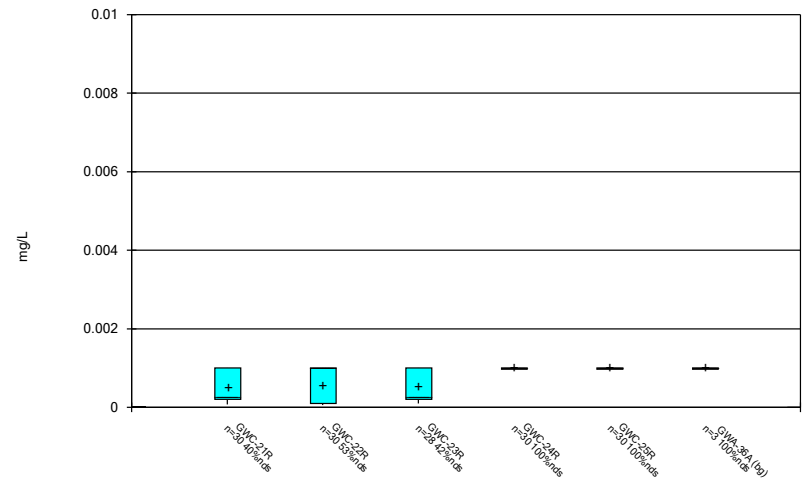
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



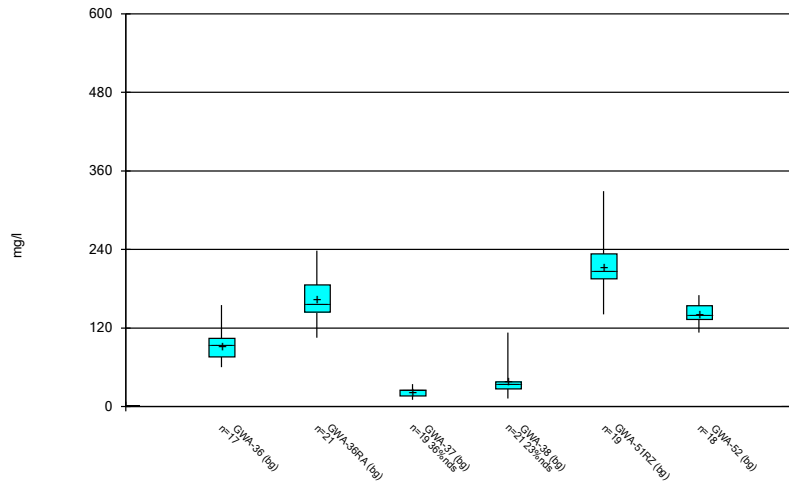
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



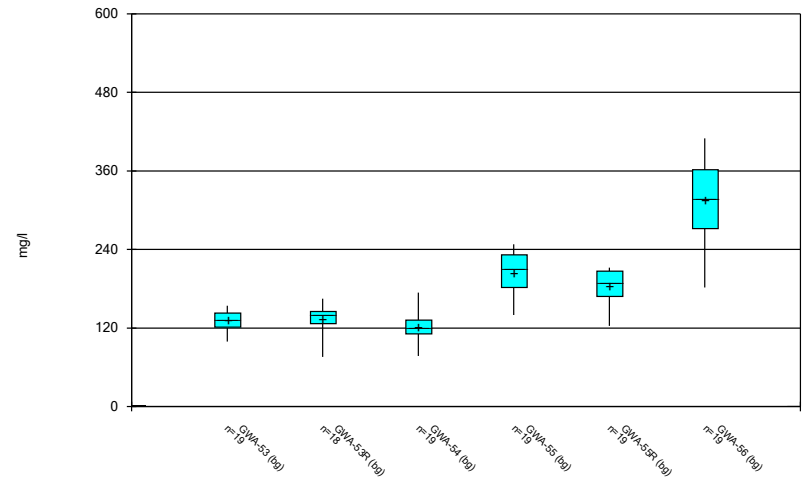
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



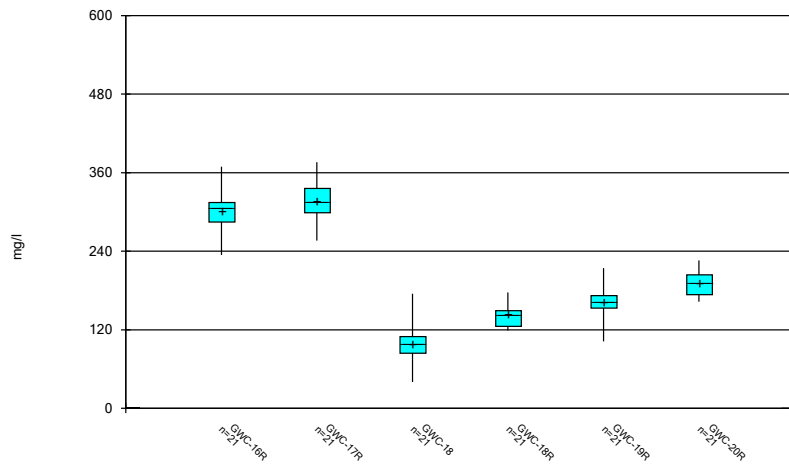
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



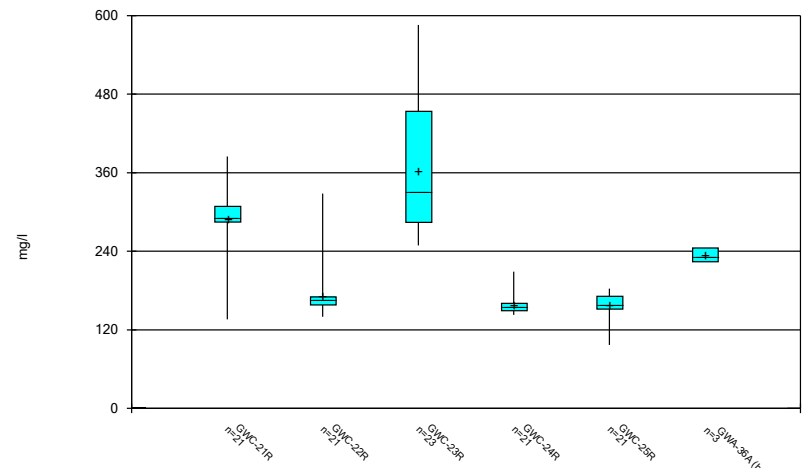
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



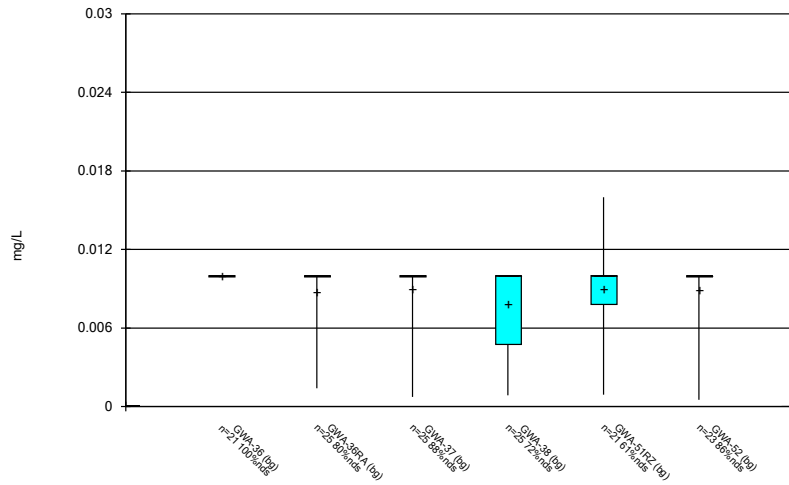
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



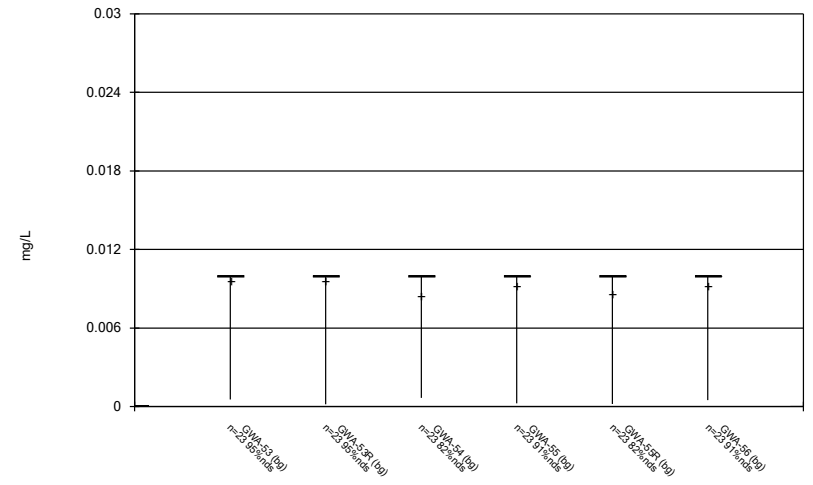
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



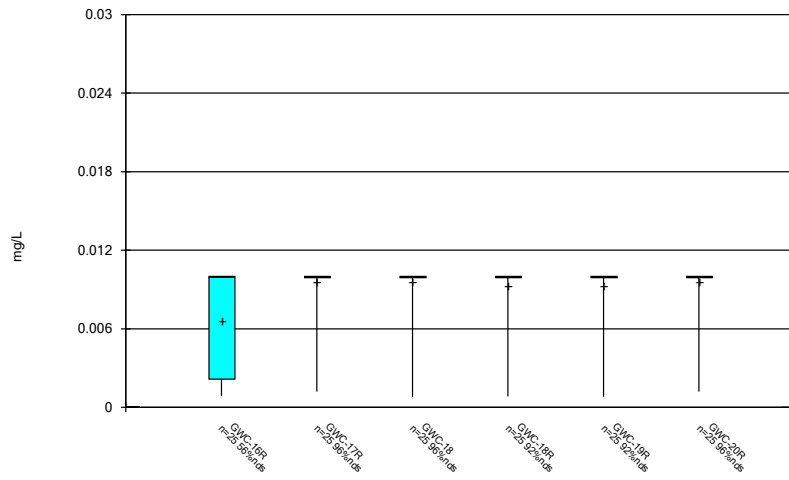
Constituent: Vanadium Analysis Run 9/15/2023 8:21 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



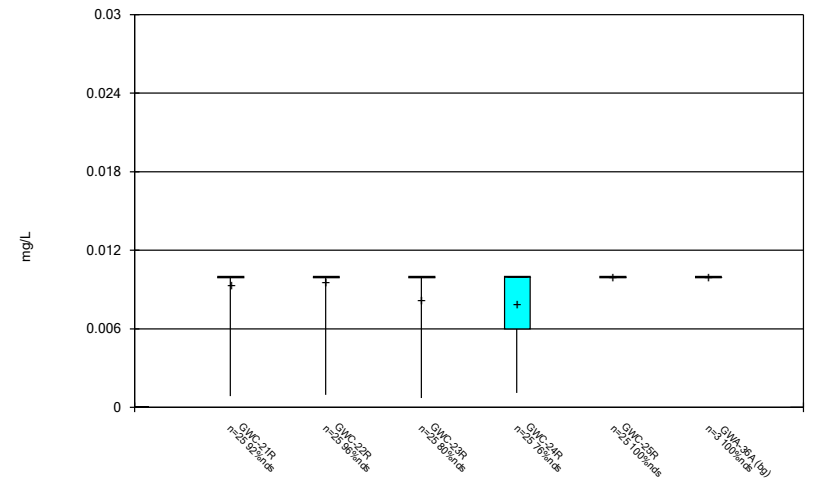
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



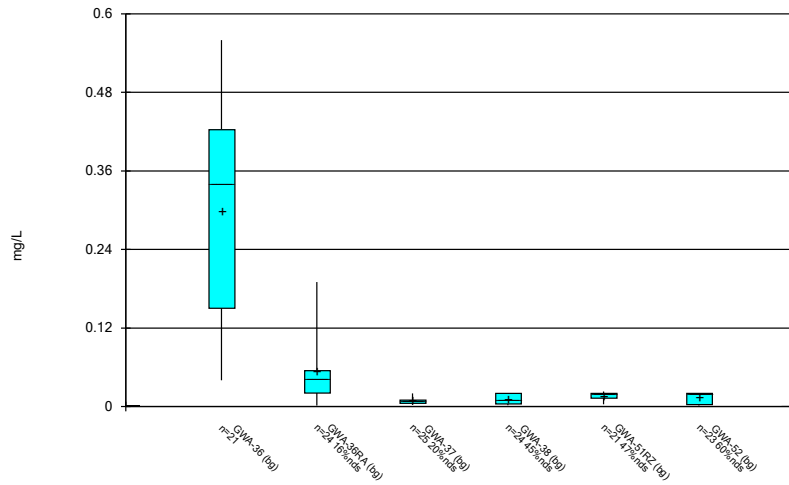
Constituent: Vanadium Analysis Run 9/15/2023 8:21 AM
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



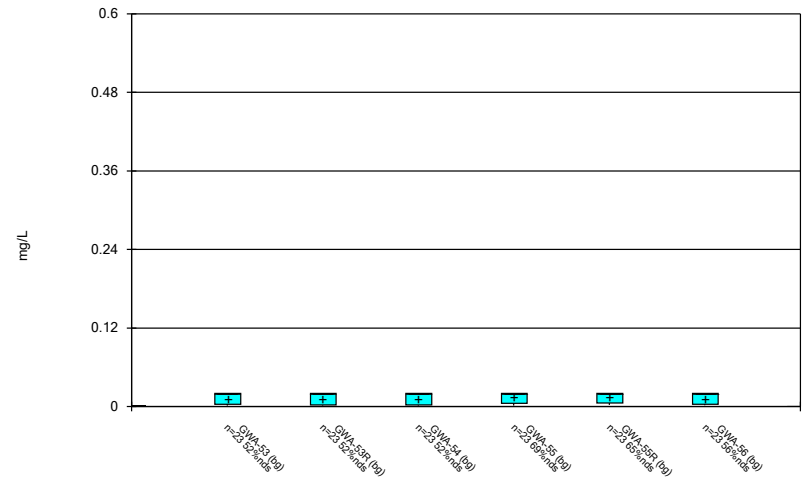
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 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



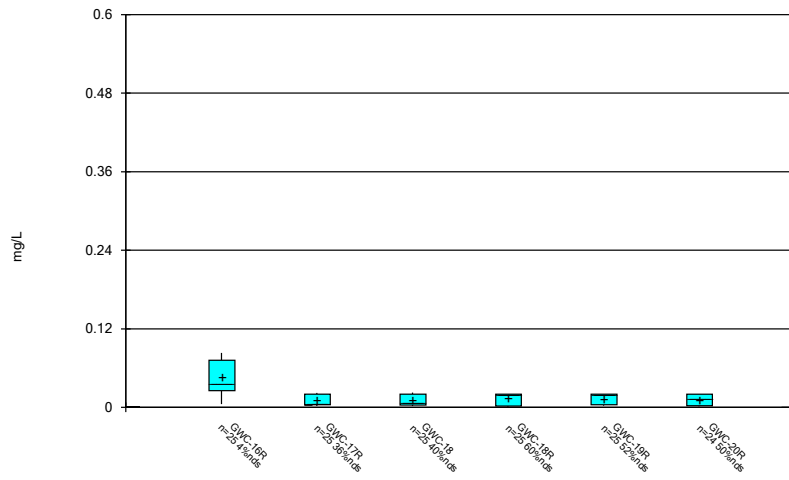
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



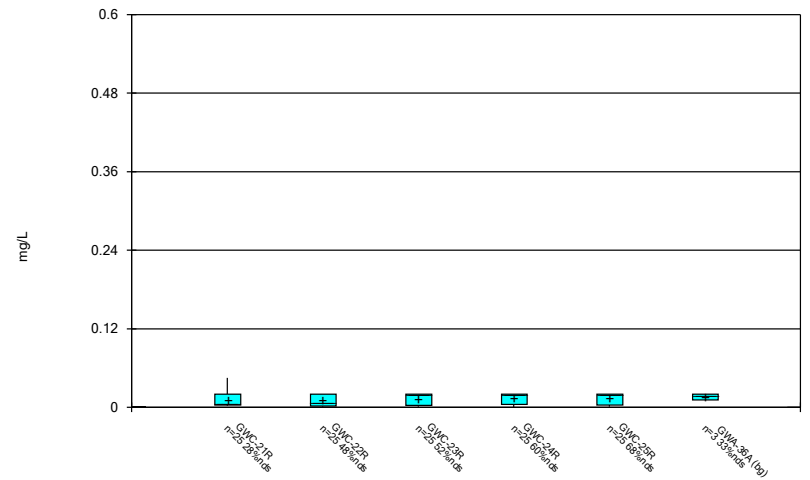
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Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 9/15/2023 8:21 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Box & Whiskers Plot



Constituent: Zinc Analysis Run 9/15/2023 8:21 AM
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

FIGURE C.

Outlier Summary

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:27 PM

Date	GWC-17R Sulfate (mg/L)	GWC-21R Sulfate (mg/L)	GWC-23R Thallium (mg/L)	GWA-37 Total Dissolved Solids (mg/l)	GWA-51RZ Vanadium (mg/L)	GWA-36RA Zinc (mg/L)	GWA-38 Zinc (mg/L)	GWA-51RZ Zinc (mg/L)	GWC-20R Zinc (mg/L)
9/15/2014				0.44 (o)					
10/4/2014									
10/21/2014									
11/11/2014									
3/2/2015					0.041 (o)				
3/3/2015									
3/17/2015									
5/8/2015									
5/17/2015							0.12 (o)		
5/25/2015									
8/12/2015				0.0279 (o)					
3/2/2016									
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016								0.557 (o)	
3/9/2016		0.0033 (Jo)							
5/3/2016									
7/12/2016									
9/8/2016									
9/13/2016									
1/6/2017				189 (O)					
3/14/2017				90 (o)					
3/23/2017									
3/11/2019									
3/12/2019	25.9 (O)								
7/28/2021									
8/2/2021		21.5 (o)							

FIGURE D.

Appendix I Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-17R	0.003	n/a	8/3/2023	0.0033	Yes	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	8/3/2023	0.042	Yes	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	8/4/2023	0.0067	Yes	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-36RA	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-37	0.004519	n/a	8/2/2023	0.0018J	No	26	0.00223	0.0009357	34.62	Kaplan-Meier	No	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-16R	0.02603	n/a	8/4/2023	0.012	No	26	0.07942	0.03348	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-17R	0.003	n/a	8/3/2023	0.0033	Yes	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18R	0.003	n/a	8/4/2023	0.003ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-20R	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-21R	0.008799	n/a	8/4/2023	0.003	No	26	0.06001	0.01382	38.46	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Antimony (mg/L)	GWC-23R	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.003ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25R	0.003	n/a	8/3/2023	0.003ND	No	25	n/a	n/a	72	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-37	0.005	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-38	0.0062	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	25	n/a	n/a	56	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17R	0.0053	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21R	0.0071	n/a	8/4/2023	0.005ND	No	25	n/a	n/a	52	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23R	0.006	n/a	8/3/2023	0.0049J	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-36RA	0.03814	n/a	8/3/2023	0.033	No	26	0.0232	0.00611	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-37	0.01361	n/a	8/2/2023	0.0038J	No	26	0.007654	0.002436	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWA-38	0.0171	n/a	8/2/2023	0.011	No	25	0.1121	0.007602	0	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-16R	0.07407	n/a	8/4/2023	0.034	No	26	0.04775	0.01076	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-17R	0.02164	n/a	8/3/2023	0.019	No	25	0.01957	0.0008404	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04773	n/a	8/3/2023	0.012	No	25	0.02719	0.008349	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-18R	0.01679	n/a	8/4/2023	0.013	No	23	4.1e-8	1.5e-8	4.348	None	x^4	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-19R	0.01836	n/a	8/4/2023	0.014	No	25	0.01594	0.0009874	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-20R	0.03538	n/a	8/3/2023	0.035	No	26	0.02974	0.002305	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-21R	0.04026	n/a	8/4/2023	0.025	No	26	0.02498	0.006248	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-22R	0.06902	n/a	8/3/2023	0.033	No	26	0.03979	0.01195	3.846	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-23R	0.04074	n/a	8/3/2023	0.042	Yes	26	0.0263	0.005901	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-24R	0.03243	n/a	8/3/2023	0.017	No	25	0.02258	0.004006	0	None	No	0.0002993	Param Intra 1 of 2
Barium (mg/L)	GWC-25R	0.018	n/a	8/3/2023	0.014	No	26	n/a	n/a	0	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-36RA	0.0032	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	42.31	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-37	0.003	n/a	8/2/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-38	0.003	n/a	8/2/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18R	0.003	n/a	8/4/2023	0.003ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19R	0.003	n/a	8/4/2023	0.003ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20R	0.003	n/a	8/3/2023	0.003ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-36RA	0.0006434	n/a	8/3/2023	0.0005ND	No	26	-8.6	0.5115	30.77	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Cadmium (mg/L)	GWA-37	0.0005	n/a	8/2/2023	0.0005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-38	0.0005	n/a	8/2/2023	0.0005ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	8/3/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21R	0.0005	n/a	8/4/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22R	0.0005	n/a	8/3/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25R	0.0005	n/a	8/3/2023	0.0005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-37	0.005	n/a	8/2/2023	0.005ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-38	0.005	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	19.23	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-17R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.00595	n/a	8/3/2023	0.0012J	No	24	0.002869	0.001242	12.5	None	No	0.0002993	Param Intra 1 of 2
Chromium (mg/L)	GWC-18R	0.008	n/a	8/4/2023	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2

Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21R	0.005	n/a	8/4/2023	0.0067	Yes	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-37	0.005	n/a	8/2/2023	0.005ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-38	0.003071	n/a	8/2/2023	0.001J	No	22	0.001593	0.0005858	0	None	No	0.0002993	Param Intra 1 of 2
Cobalt (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	23.08	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21R	0.0183	n/a	8/4/2023	0.005ND	No	26	n/a	n/a	61.54	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-22R	0.01	n/a	8/3/2023	0.00047J	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.00047J	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-36RA	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-37	0.0231	n/a	8/2/2023	0.014	No	16	0.01075	0.004559	6.25	None	No	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWA-38	0.005	n/a	8/2/2023	0.005ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16R	0.004119	n/a	8/4/2023	0.005ND	No	21	0.04187	0.008771	19.05	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Copper (mg/L)	GWC-17R	0.0124	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21R	0.01	n/a	8/4/2023	0.0016J	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-36RA	0.001	n/a	8/3/2023	0.001ND	No	25	n/a	n/a	68	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-37	0.001	n/a	8/2/2023	0.001ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-38	0.0047	n/a	8/2/2023	0.001ND	No	26	n/a	n/a	76.92	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16R	0.001	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	65.38	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18R	0.001	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	69.23	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19R	0.001	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21R	0.0016	n/a	8/4/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-36RA	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-37	0.0002	n/a	8/2/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-38	0.0002	n/a	8/2/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	84.62	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-21R	0.0002	n/a	8/4/2023	0.0002ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25R	0.0002	n/a	8/3/2023	0.0002ND	No	26	n/a	n/a	88.46	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-36RA	0.01	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-37	0.02736	n/a	8/2/2023	0.013	No	21	0.01298	0.005654	4.762	None	No	0.0002993	Param Intra 1 of 2

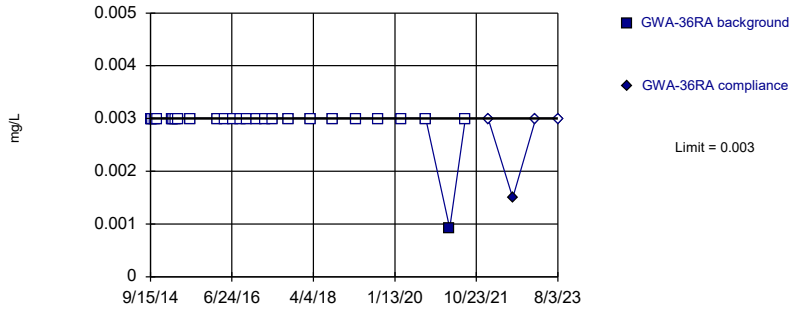
Appendix I Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/11/2023, 4:58 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-38	0.01241	n/a	8/2/2023	0.0009J	No	21	-6.322	0.7598	23.81	Kaplan-Meier	ln(x)	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-16R	0.02679	n/a	8/4/2023	0.0091	No	17	0.01134	0.005781	5.882	None	No	0.0002993	Param Intra 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21R	0.01	n/a	8/4/2023	0.00098J	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-22R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.0011J	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-25R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-23R	0.005	n/a	8/3/2023	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-38	0.005	n/a	8/2/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17R	0.005	n/a	8/3/2023	0.005ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-18R	0.005	n/a	8/4/2023	0.005ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-36RA	0.001	n/a	8/3/2023	0.001ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-16R	0.001104	n/a	8/4/2023	0.001ND	No	26	0.01531	0.007327	26.92	Kaplan-Meier	sqrt(x)	0.0002993	Param Intra 1 of 2
Thallium (mg/L)	GWC-18	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	50	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-20R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	57.69	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21R	0.001	n/a	8/4/2023	0.00022J	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-22R	0.001	n/a	8/3/2023	0.001ND	No	26	n/a	n/a	46.15	n/a	n/a	0.002667	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-23R	0.001	n/a	8/3/2023	0.001ND	No	24	n/a	n/a	33.33	n/a	n/a	0.003124	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWA-36RA	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-37	0.01	n/a	8/2/2023	0.01ND	No	21	n/a	n/a	85.71	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-38	0.01	n/a	8/2/2023	0.01ND	No	21	n/a	n/a	66.67	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-17R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-18R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21R	0.01	n/a	8/4/2023	0.01ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	76.19	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24R	0.01	n/a	8/3/2023	0.01ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-36RA	0.2188	n/a	8/3/2023	0.02ND	No	20	0.2304	0.09255	5	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-37	0.01868	n/a	8/2/2023	0.02ND	No	21	0.08422	0.02062	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWA-38	0.02	n/a	8/2/2023	0.02ND	No	20	n/a	n/a	35	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-16R	0.1436	n/a	8/4/2023	0.036	No	21	0.2147	0.06456	4.762	None	sqrt(x)	0.0002993	Param Intra 1 of 2
Zinc (mg/L)	GWC-17R	0.0219	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18	0.0225	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	28.57	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-18R	0.02	n/a	8/4/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19R	0.02	n/a	8/4/2023	0.02ND	No	21	n/a	n/a	42.86	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20R	0.02	n/a	8/3/2023	0.02ND	No	20	n/a	n/a	40	n/a	n/a	0.004291	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-21R	0.045	n/a	8/4/2023	0.02ND	No	21	n/a	n/a	23.81	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	38.1	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-23R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	47.62	n/a	n/a	0.003999	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-24R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-25R	0.02	n/a	8/3/2023	0.02ND	No	21	n/a	n/a	61.9	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit
Intrawell Non-parametric

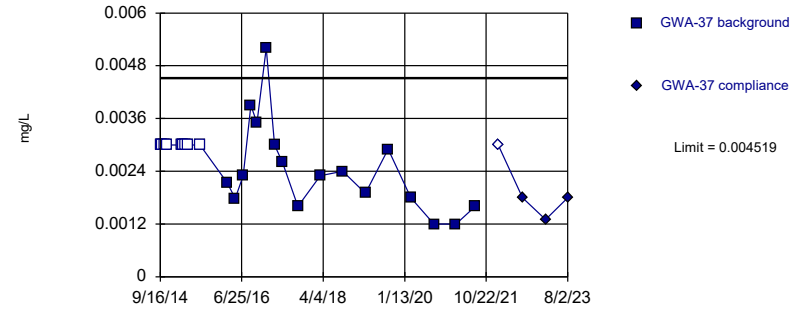


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

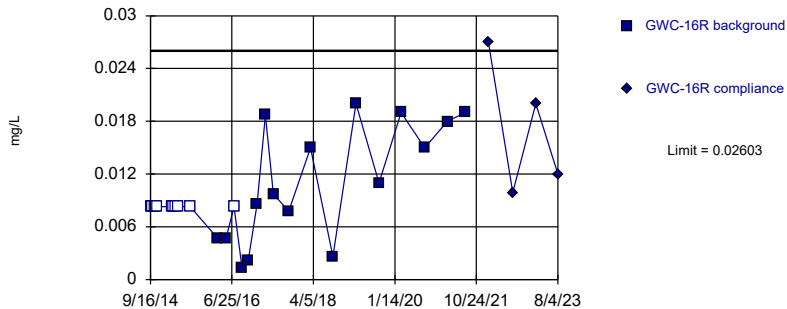


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00223, Std. Dev.=0.0009357, n=26, 34.62% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9094, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

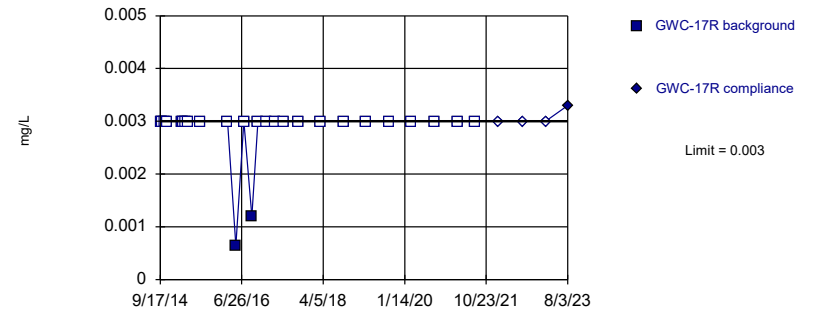


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07942, Std. Dev.=0.03348, n=26, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9041, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Non-parametric

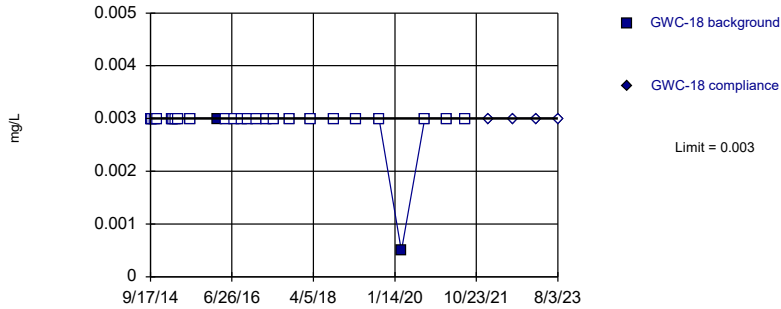


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

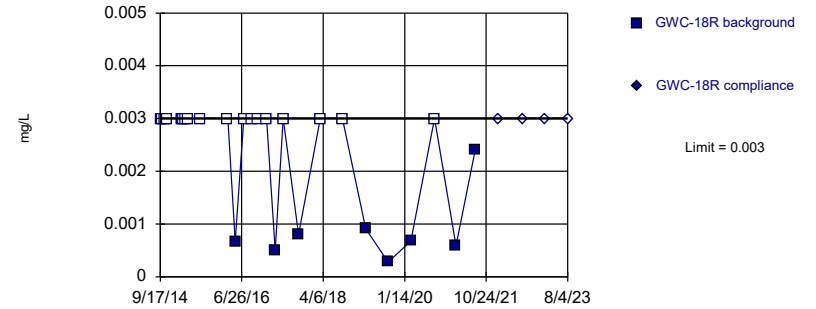


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

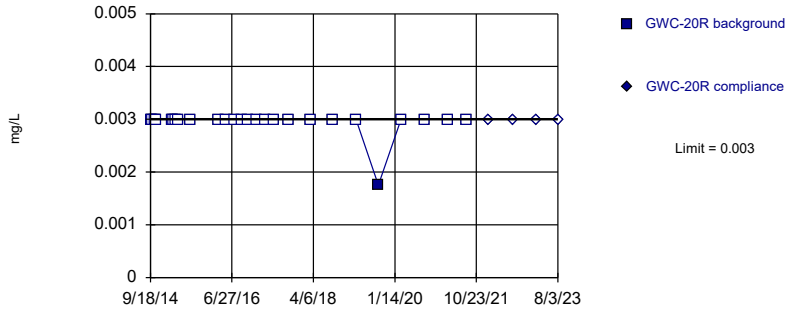


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

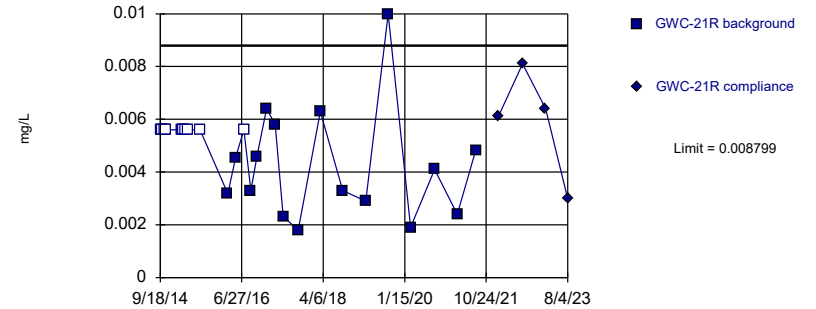


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

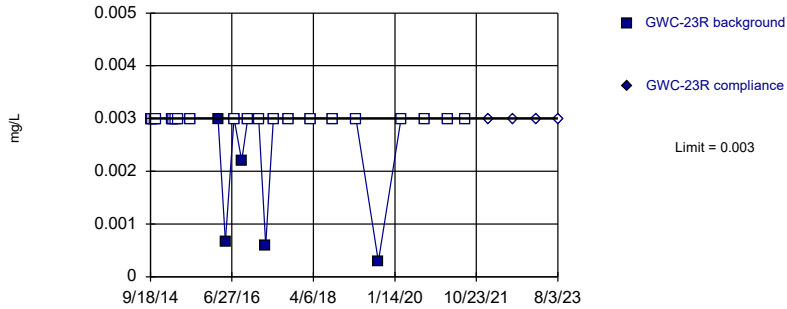


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.06001, Std. Dev.=0.01382, n=26, 38.46% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9016, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

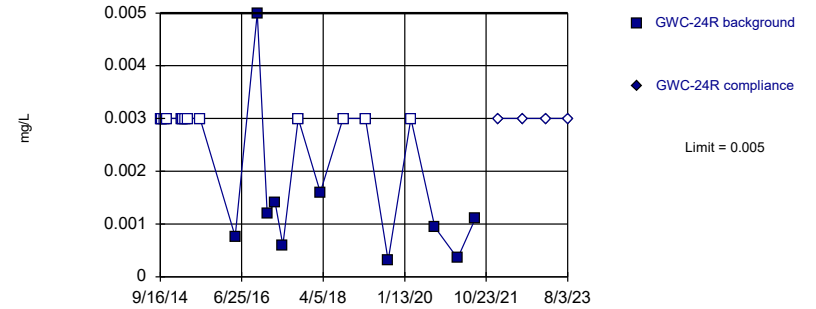


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

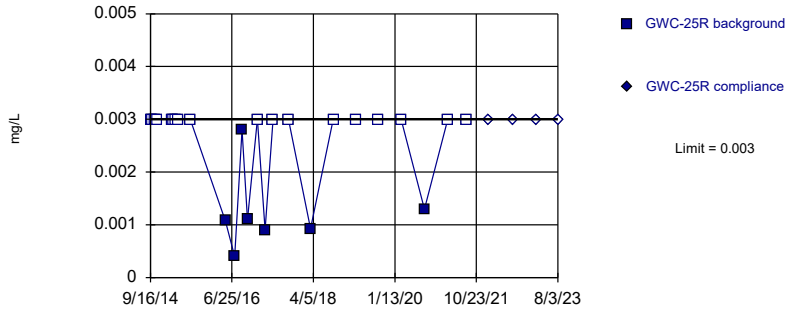


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:51 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

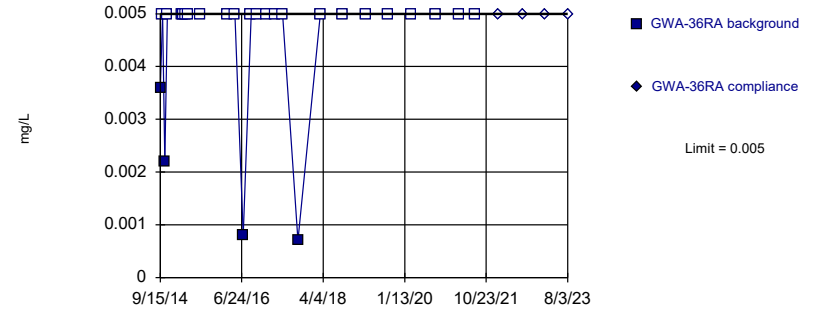


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 72% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

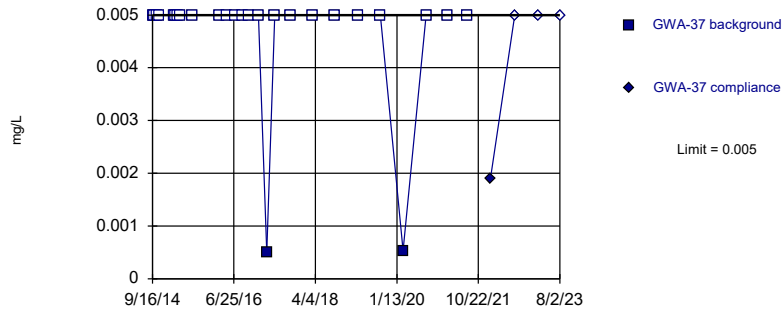


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

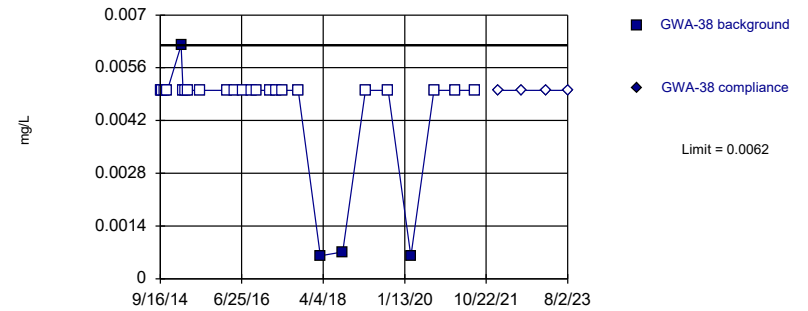


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

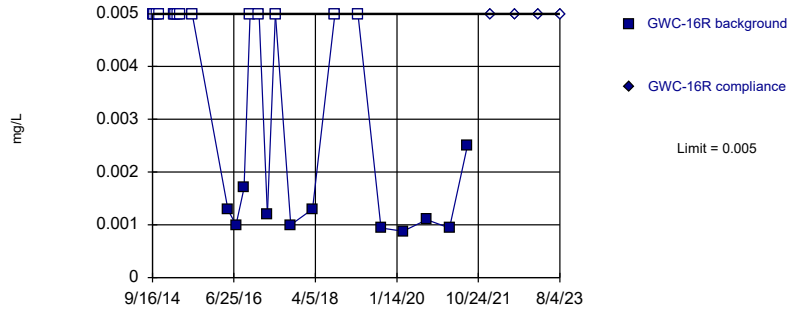


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

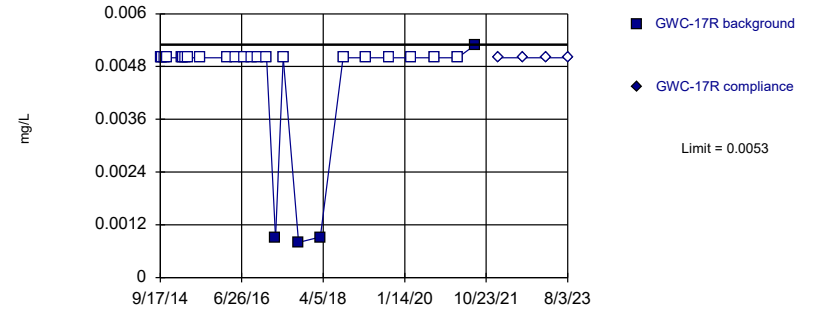


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 56% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

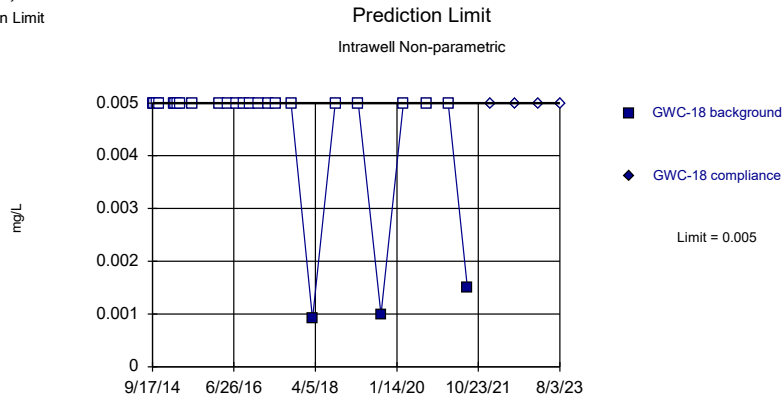
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

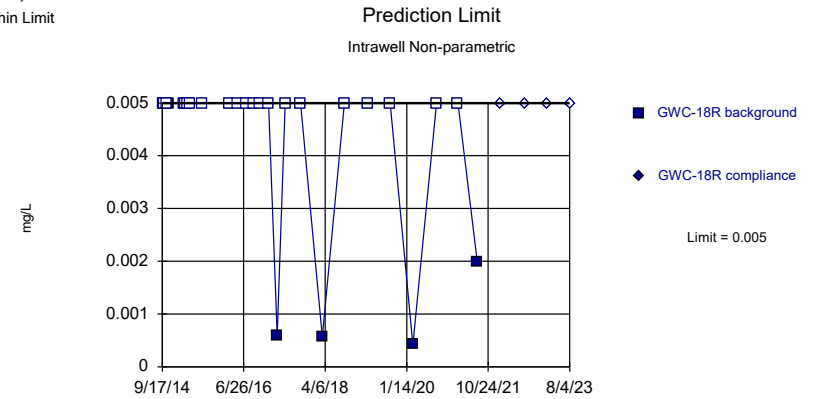
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

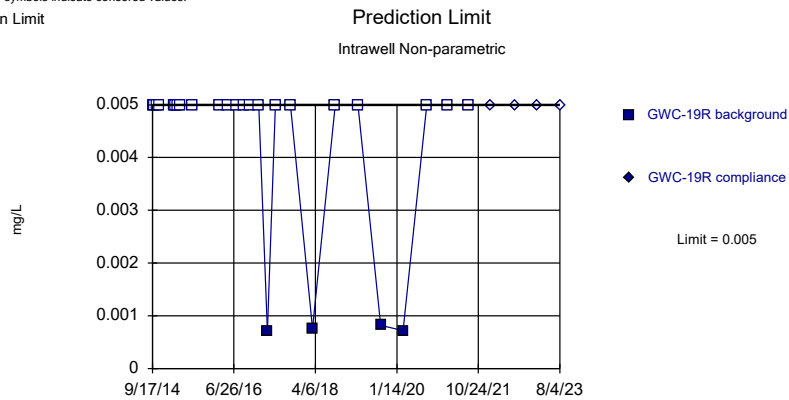
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

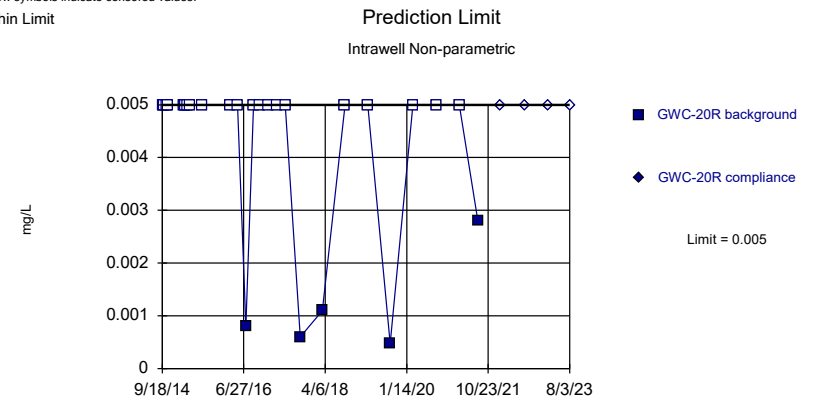
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

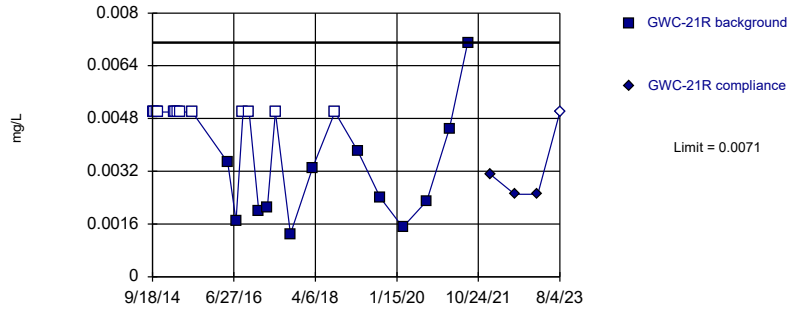


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

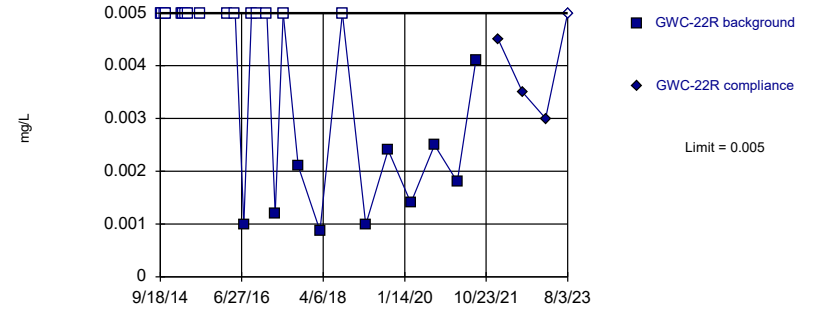


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 52% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

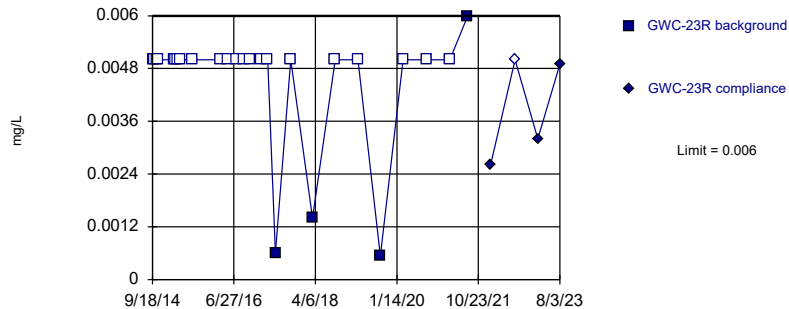


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

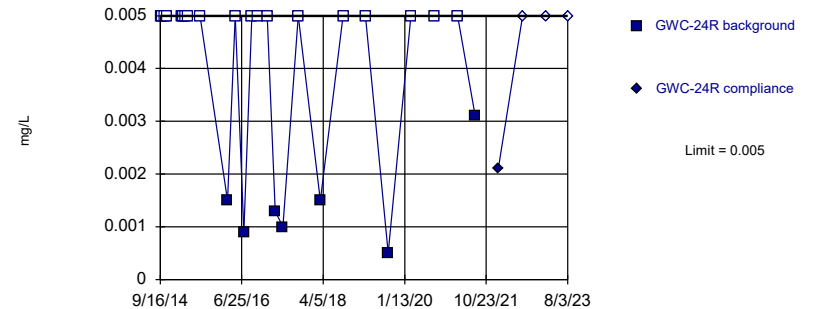


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

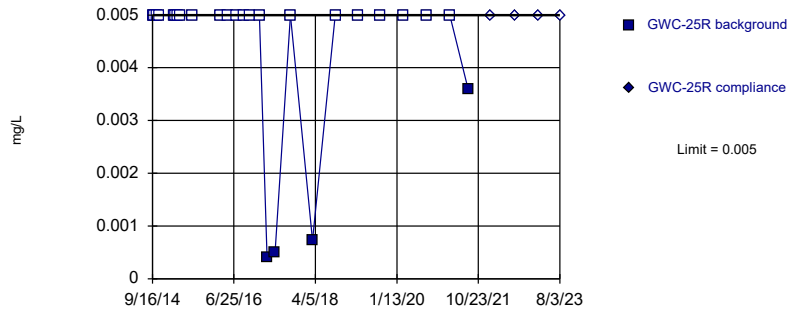


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

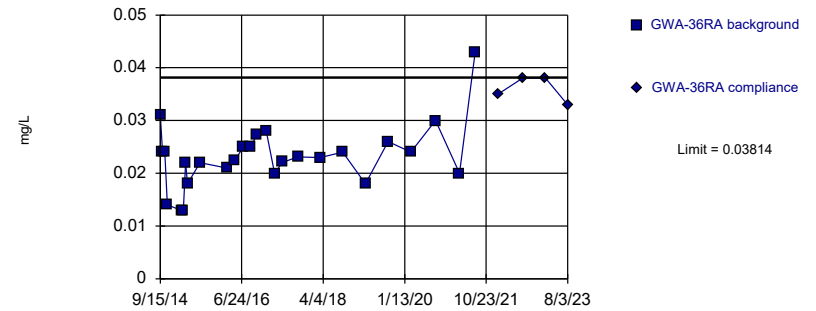


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Arsenic Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

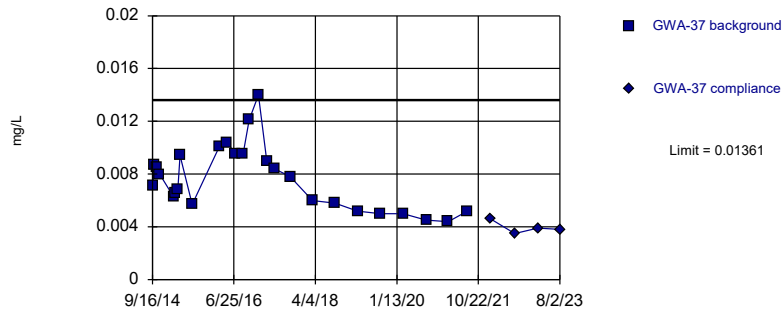


Background Data Summary: Mean=0.0232, Std. Dev.=0.00611, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9075, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

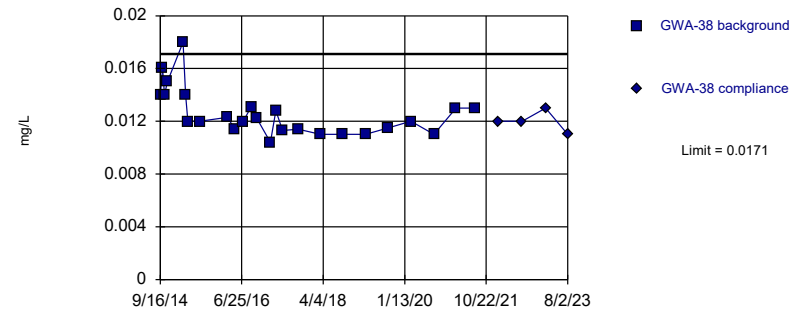


Background Data Summary: Mean=0.007654, Std. Dev.=0.002436, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

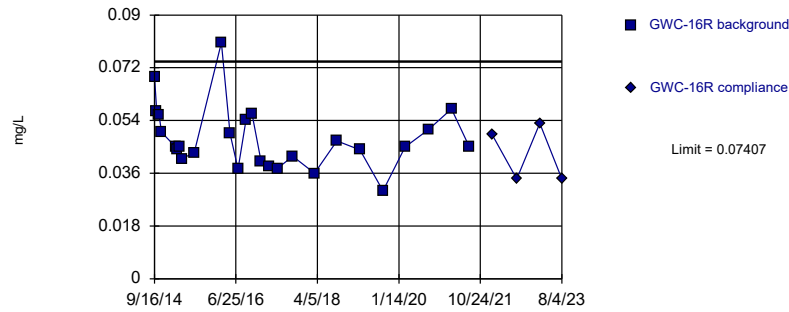
Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1121, Std. Dev.=0.007602, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8938, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

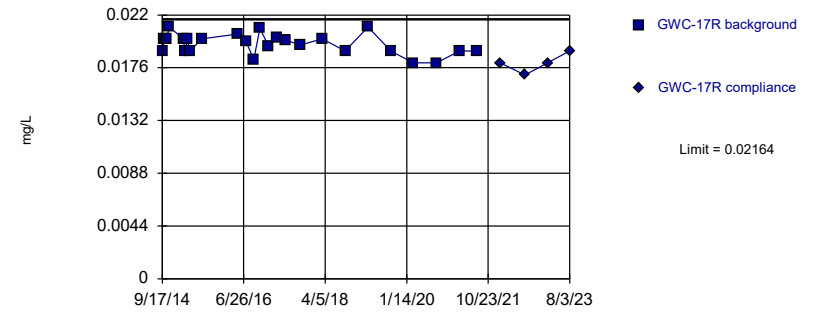
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.04775, Std. Dev.=0.01076, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9115, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

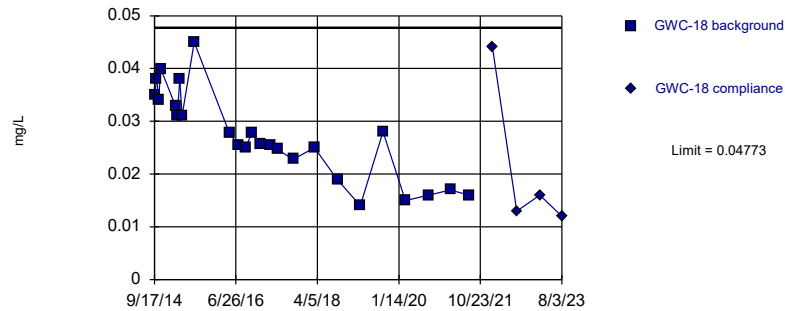
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.01957, Std. Dev.=0.0008404, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9347, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

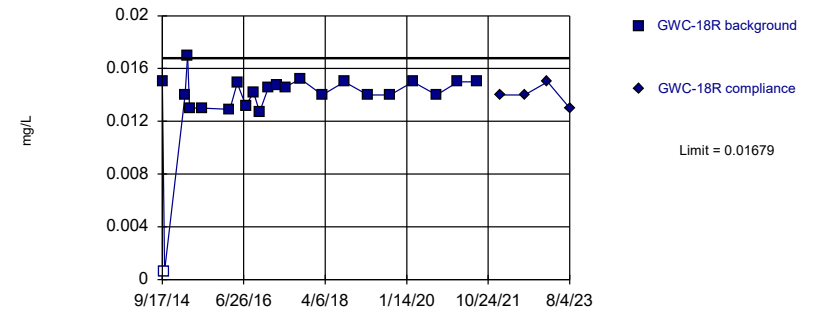
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=0.02719, Std. Dev.=0.008349, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9638, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit Prediction Limit
Intrawell Parametric

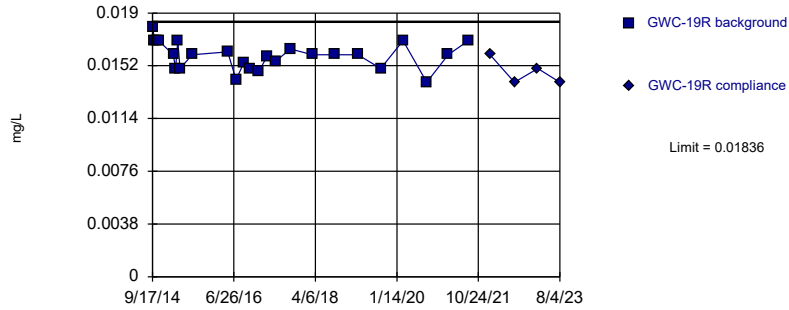


Background Data Summary (based on x^4 transformation): Mean=4.1e-8, Std. Dev.=1.5e-8, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.881. Kappa = 2.502 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

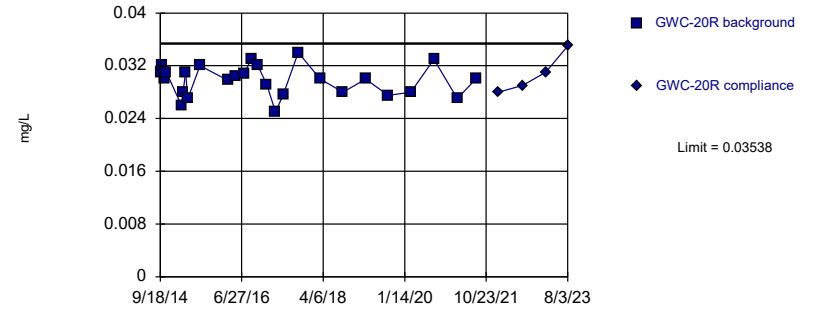


Background Data Summary: Mean=0.01594, Std. Dev.=0.0009874, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9544, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

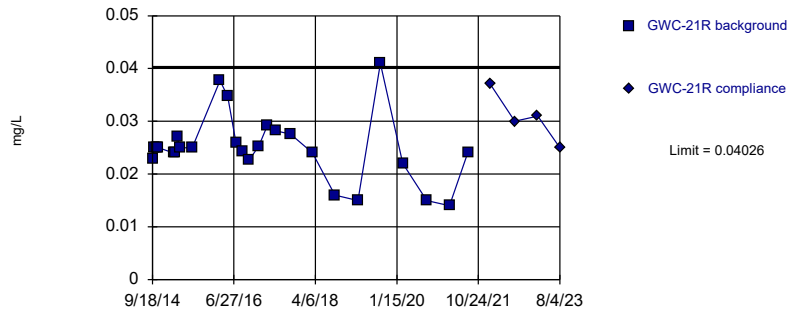


Background Data Summary: Mean=0.02974, Std. Dev.=0.002305, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9748, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

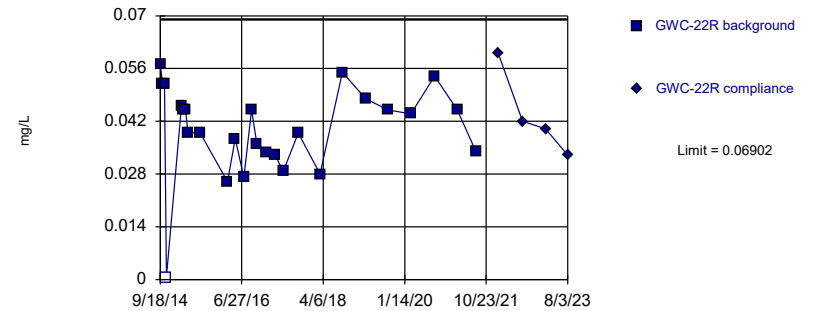


Background Data Summary: Mean=0.02498, Std. Dev.=0.006248, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8933, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit
Hollow symbols indicate censored values.

Prediction Limit Intrawell Parametric

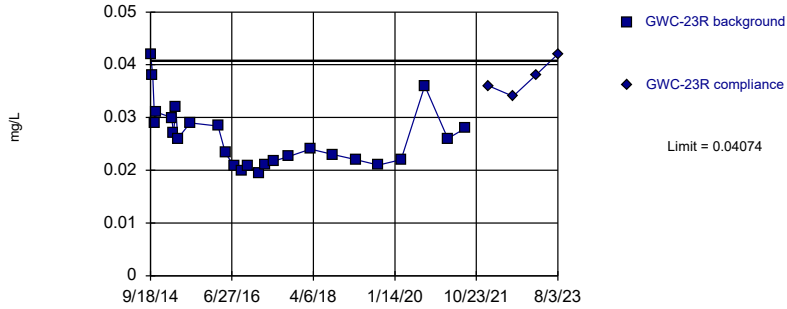


Background Data Summary: Mean=0.03979, Std. Dev.=0.01195, n=26, 3.846% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.906, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit Intrawell Parametric

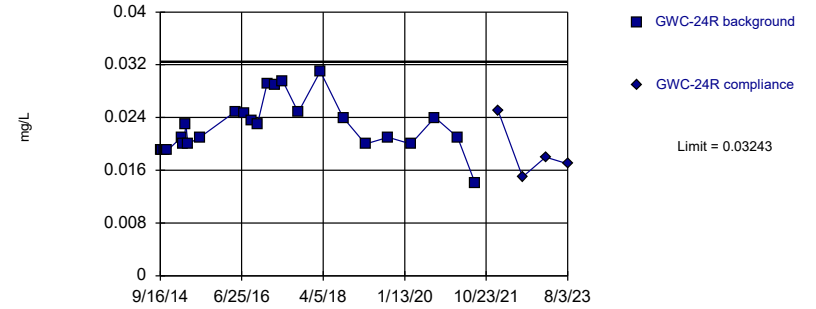


Background Data Summary: Mean=0.0263, Std. Dev.=0.005901, n=26. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8941, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric

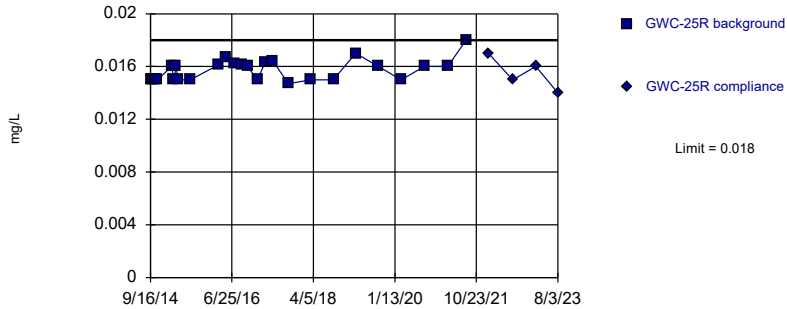


Background Data Summary: Mean=0.02258, Std. Dev.=0.004006, n=25. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9334, critical = 0.888. Kappa = 2.46 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

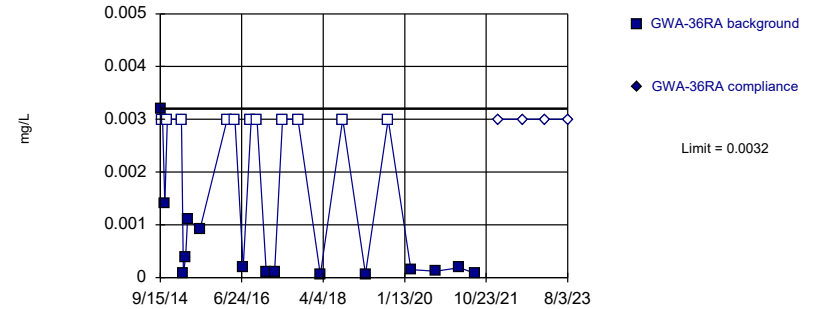


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Barium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

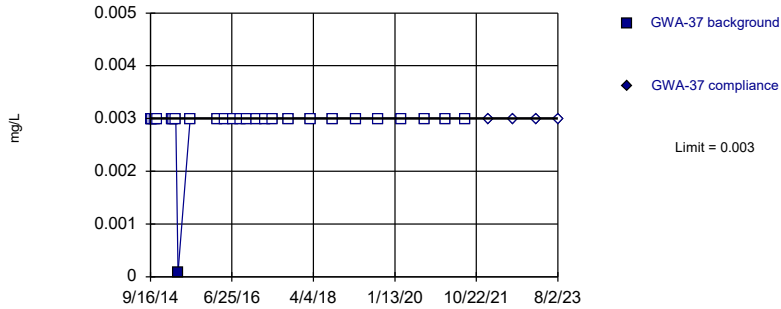


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 42.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

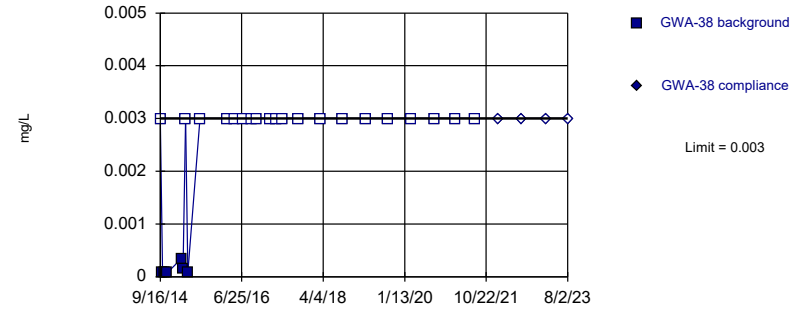


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

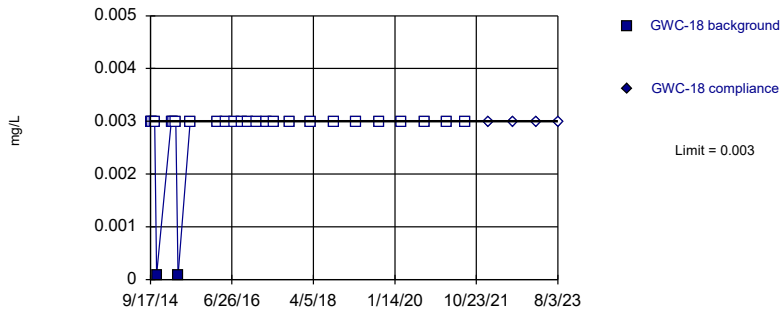


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

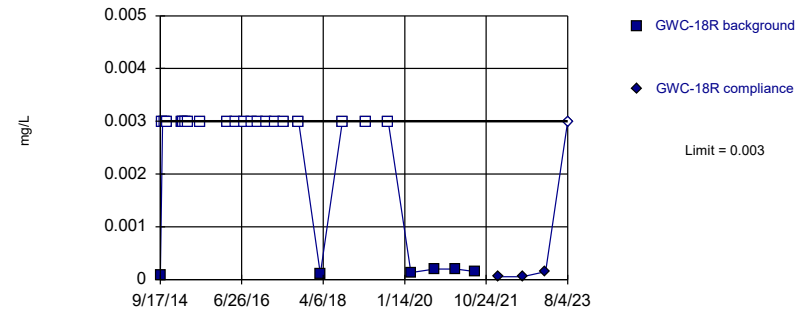


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

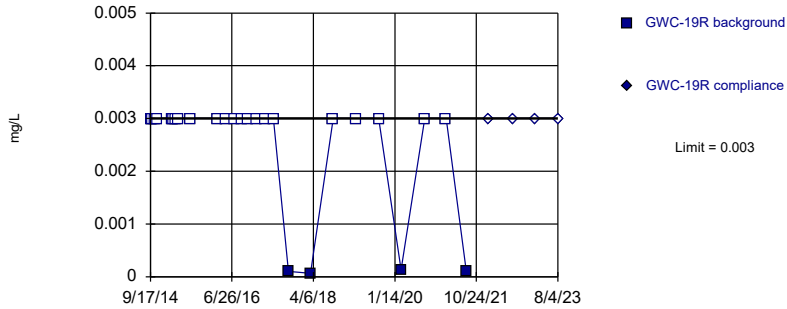


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

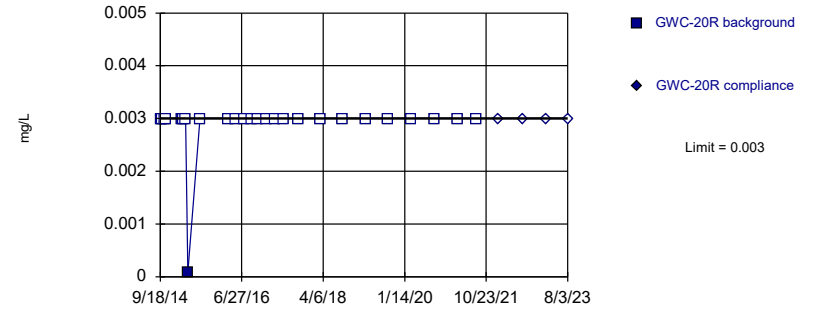


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

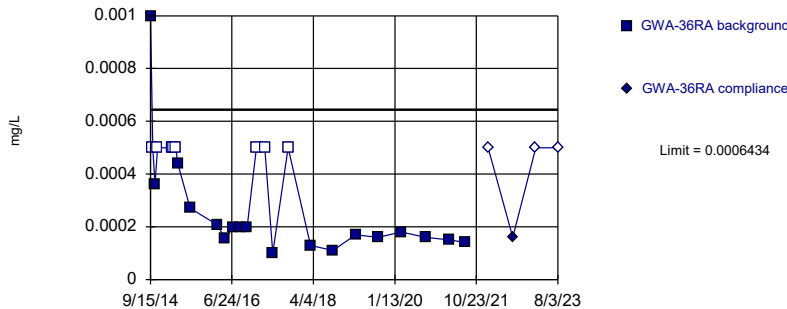


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Beryllium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

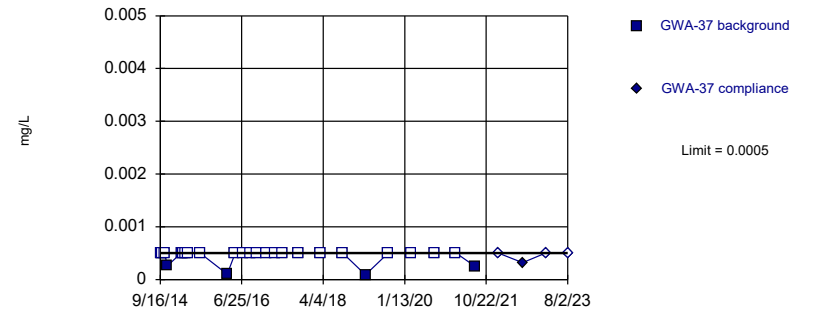


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-8.6, Std. Dev.=0.5115, n=26, 30.77% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8993, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

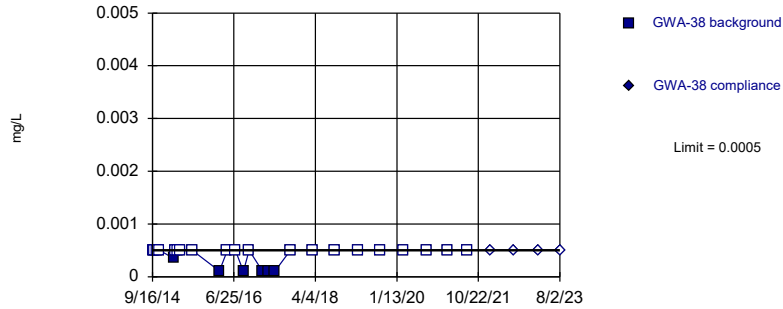


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

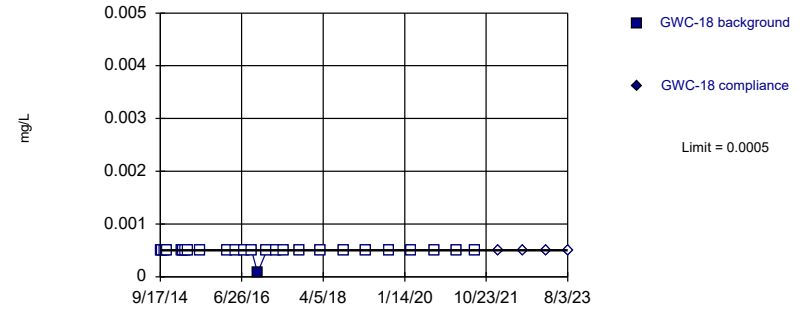


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

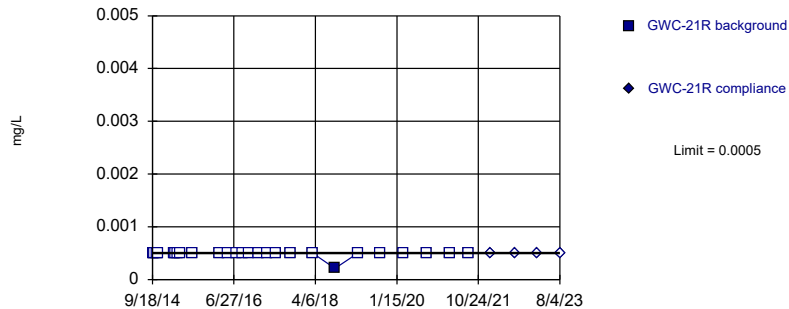


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

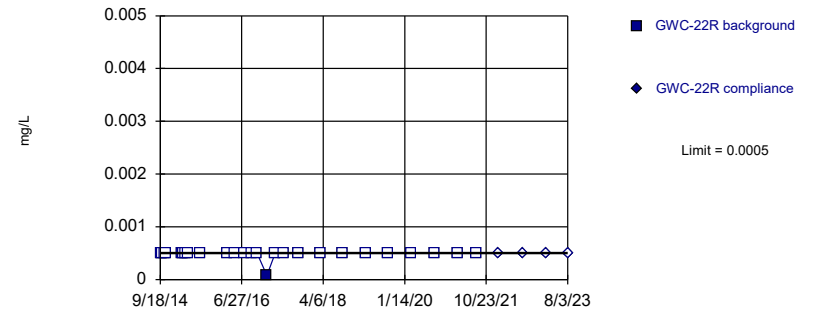


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

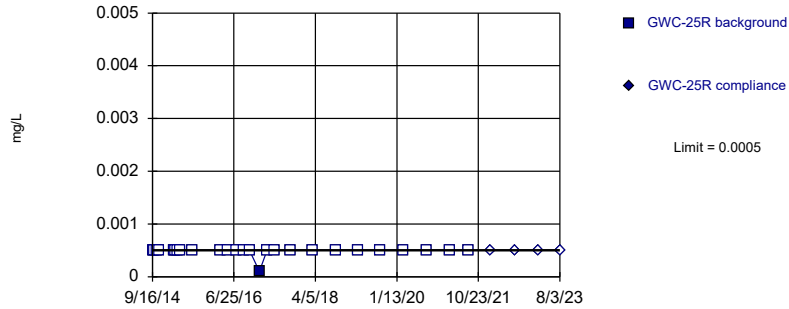


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

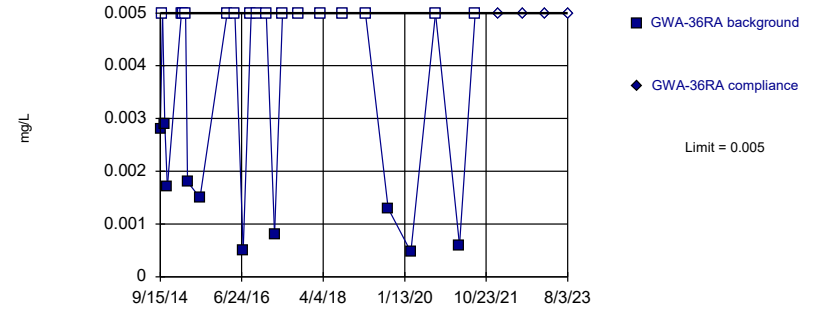


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cadmium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

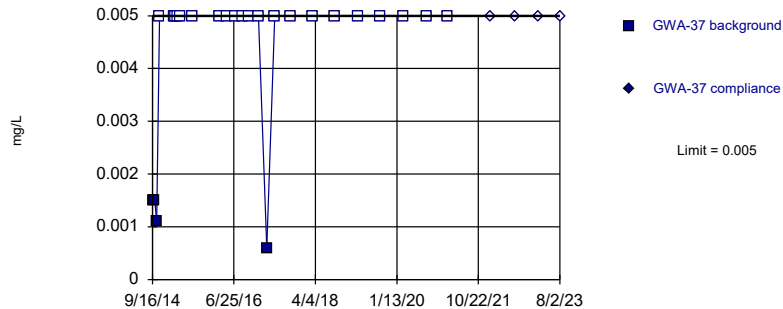


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

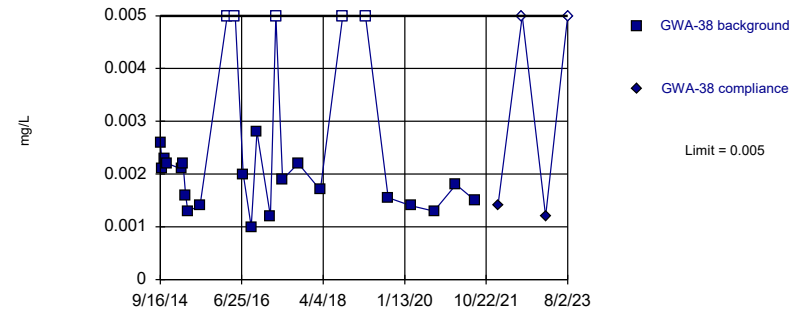


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

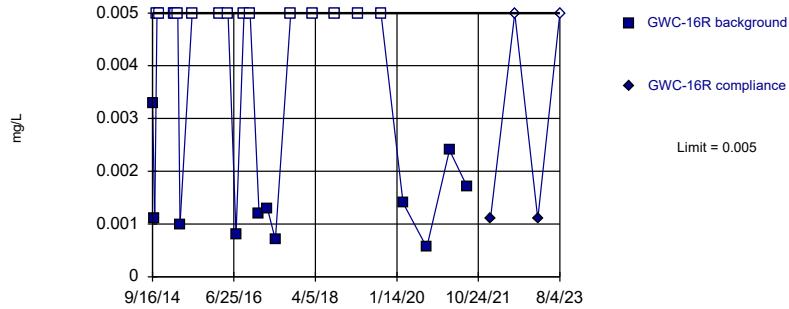


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 19.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

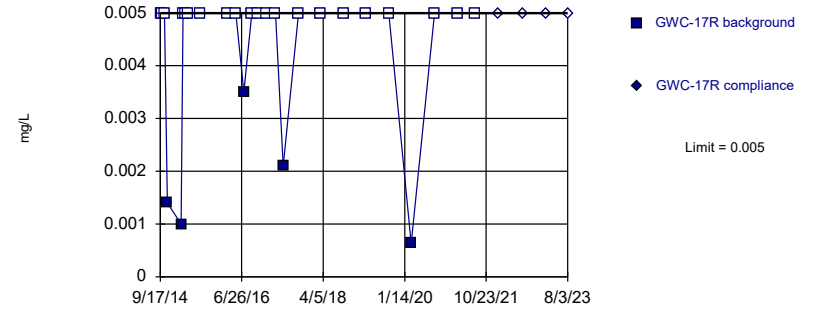


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

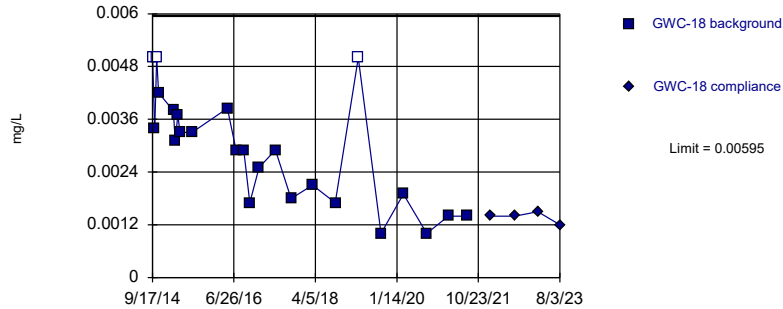


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

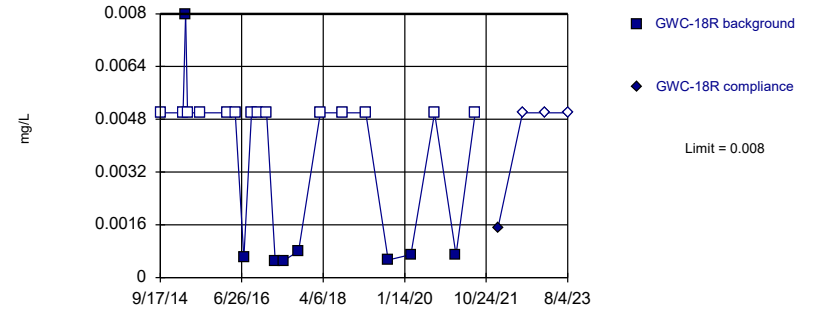


Background Data Summary: Mean=0.002869, Std. Dev.=0.001242, n=24, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.884. Kappa = 2.481 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

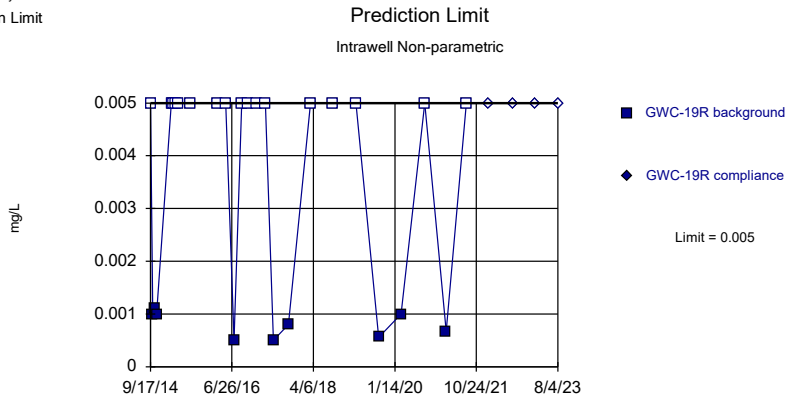
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

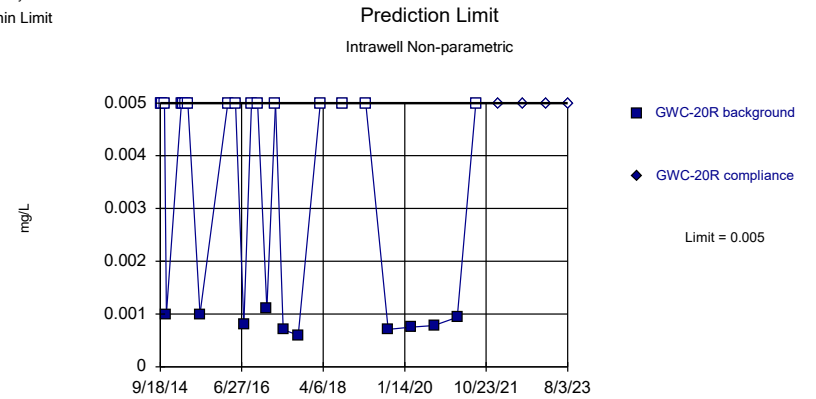
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

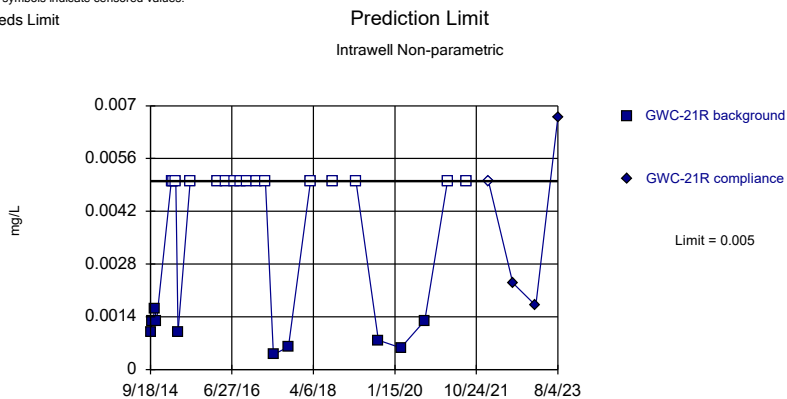
Within Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

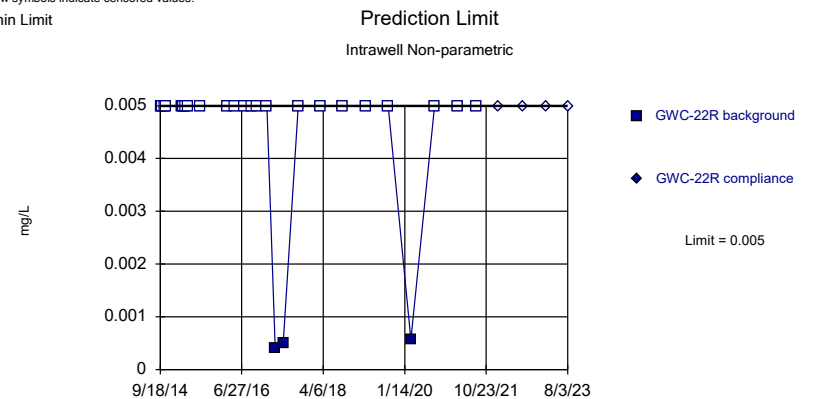
Exceeds Limit



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

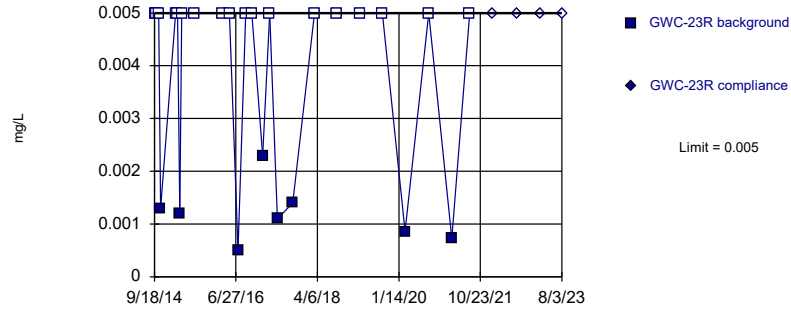


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

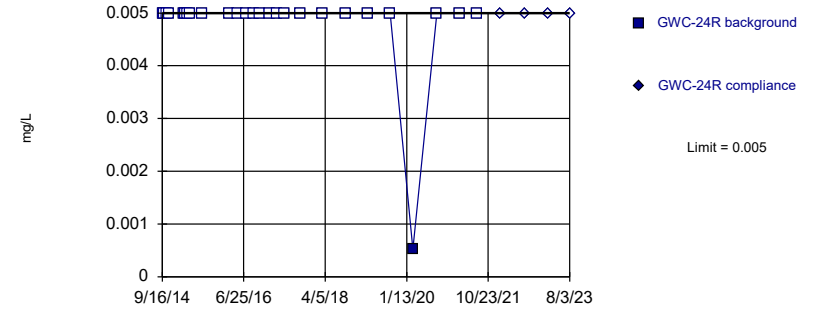


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

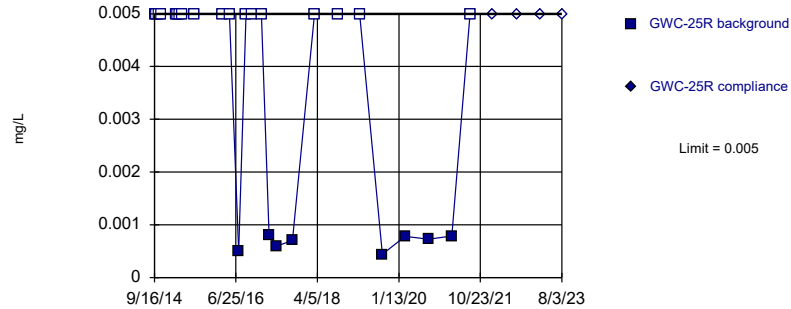


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

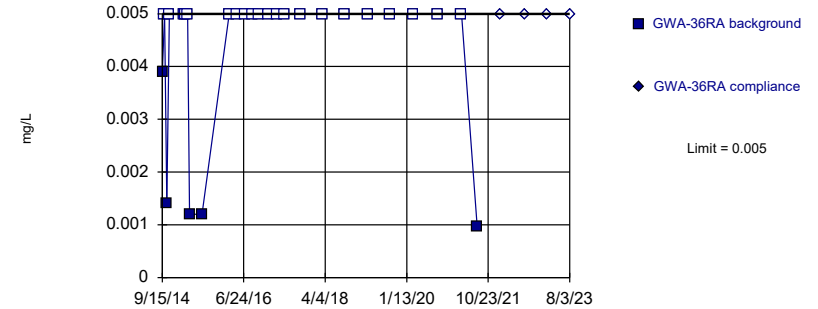


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

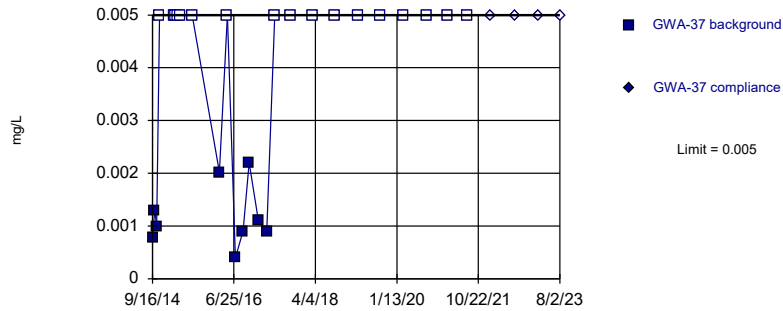


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

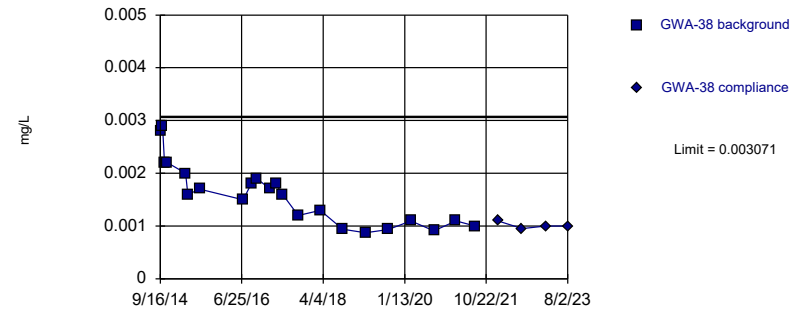


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:52 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

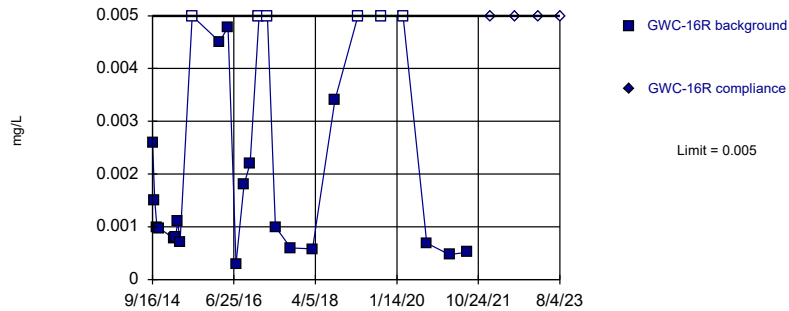


Background Data Summary: Mean=0.001593, Std. Dev.=0.0005858, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9231, critical = 0.878. Kappa = 2.523 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

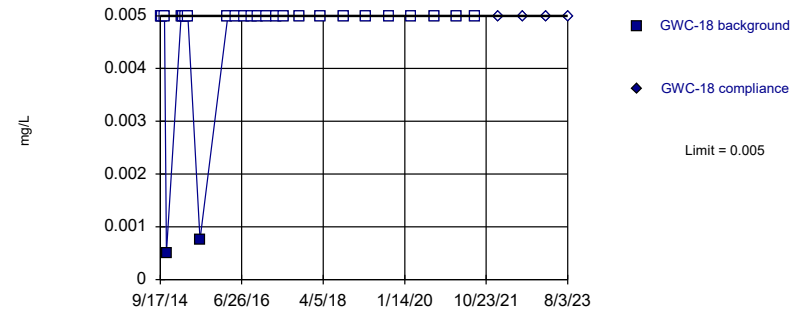


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 23.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

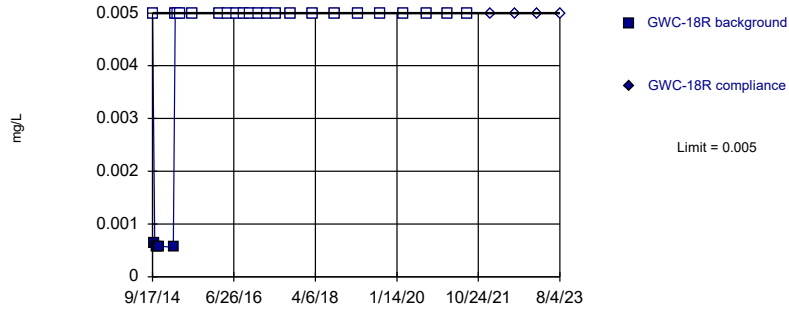


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

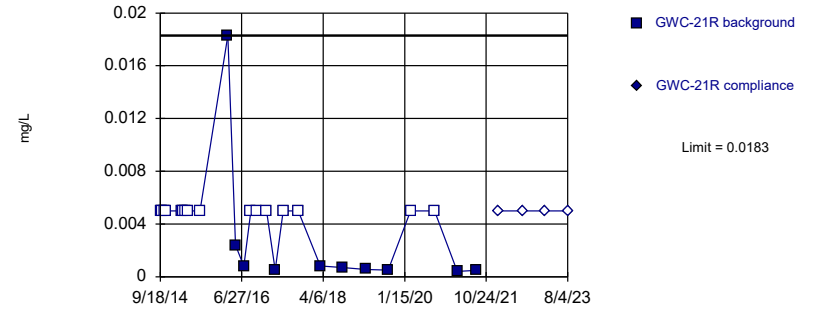


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

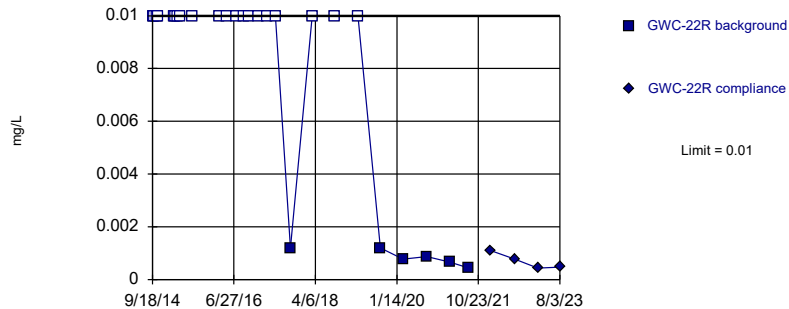


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 61.54% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

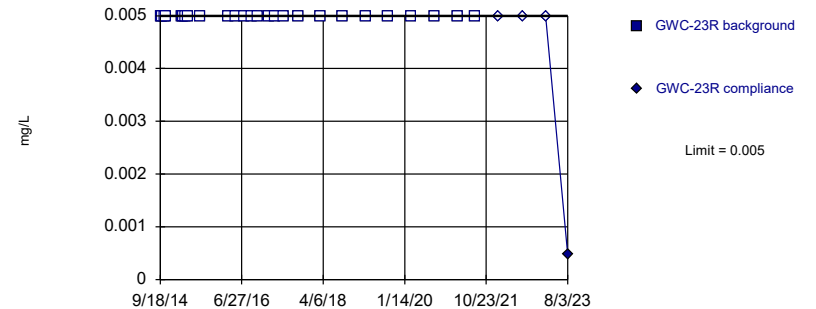


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

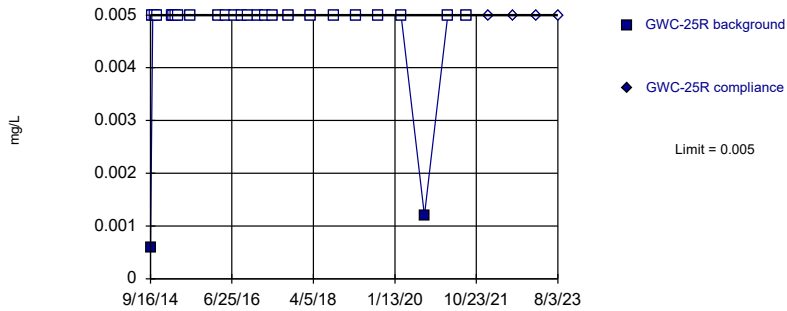


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

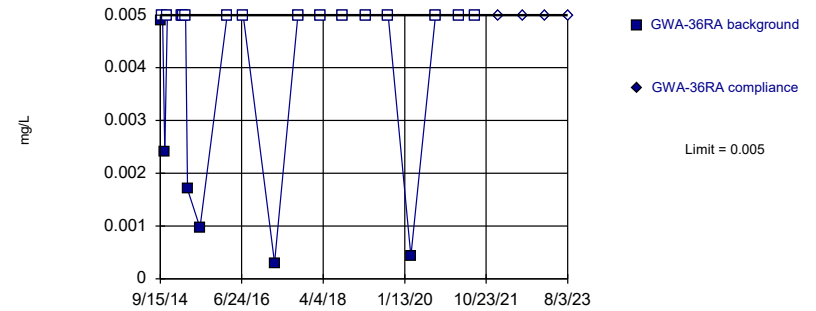


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Cobalt Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

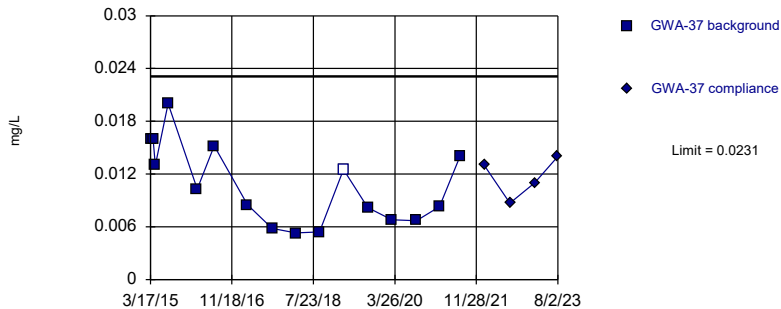


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

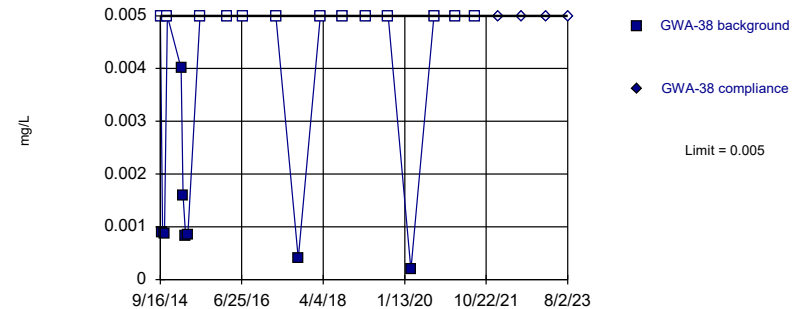


Background Data Summary: Mean=0.01075, Std. Dev.=0.004559, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9213, critical = 0.844. Kappa = 2.709 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

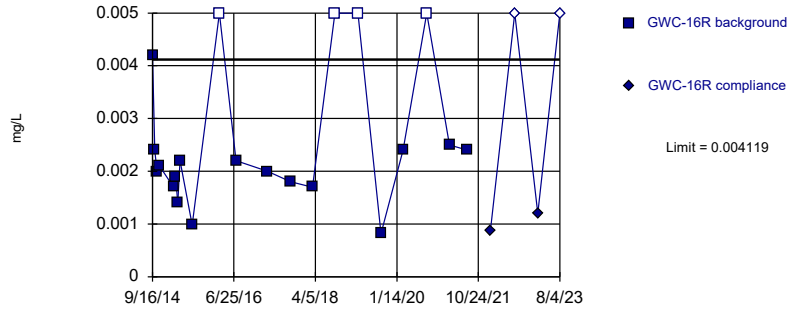


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Parametric

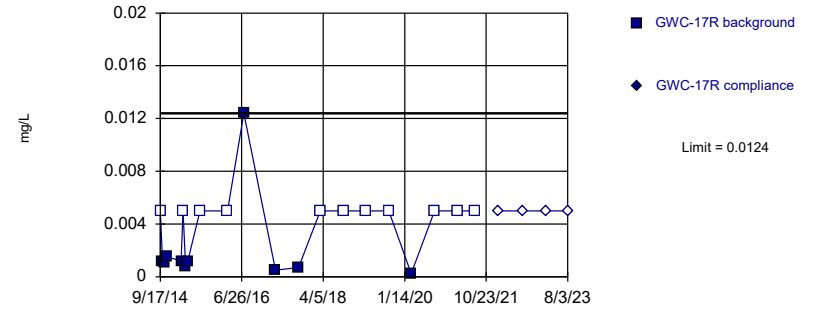


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04187, Std. Dev.=0.008771, n=21, 19.05% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8749, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

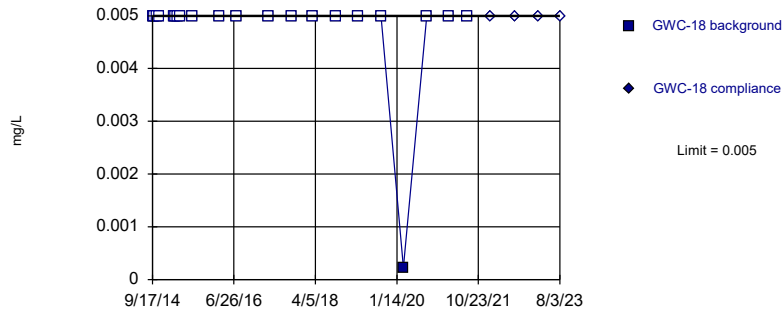


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

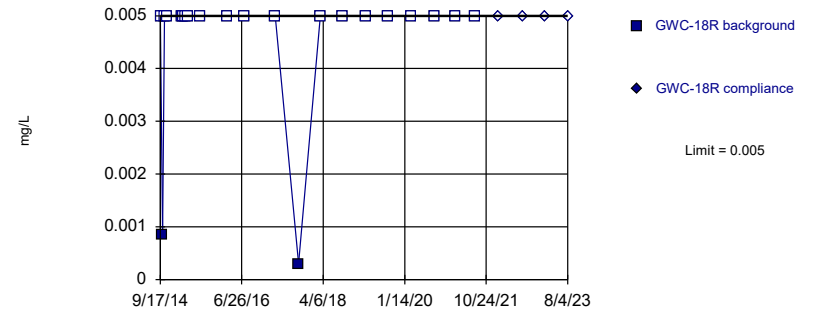


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Intrawell Non-parametric

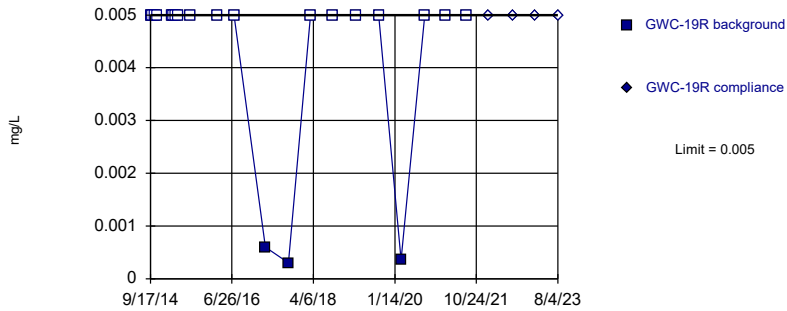


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

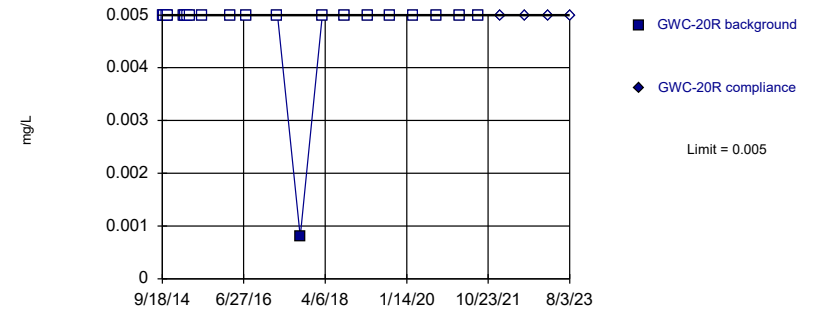


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

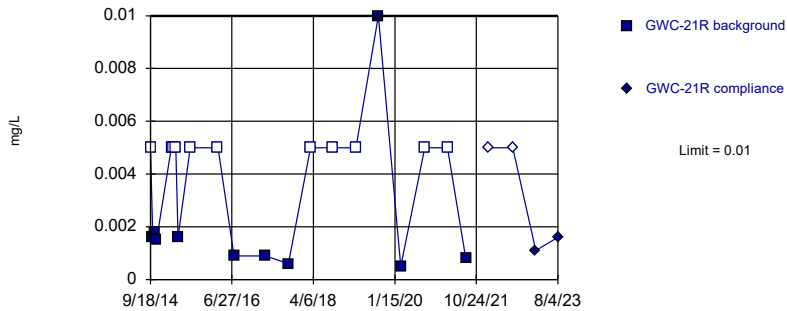


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

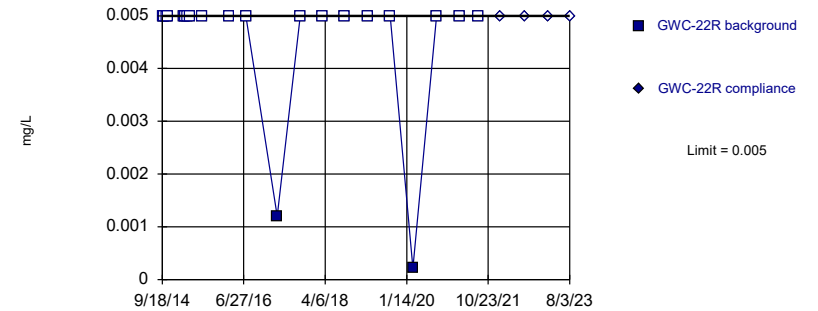


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

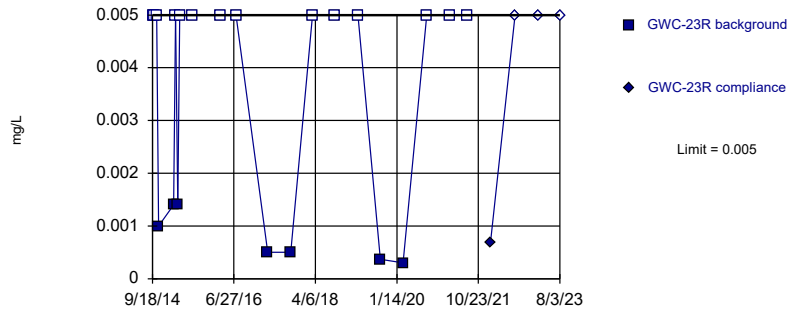


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

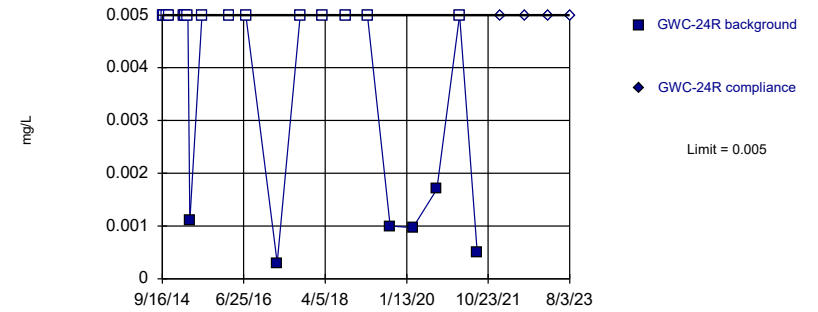


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

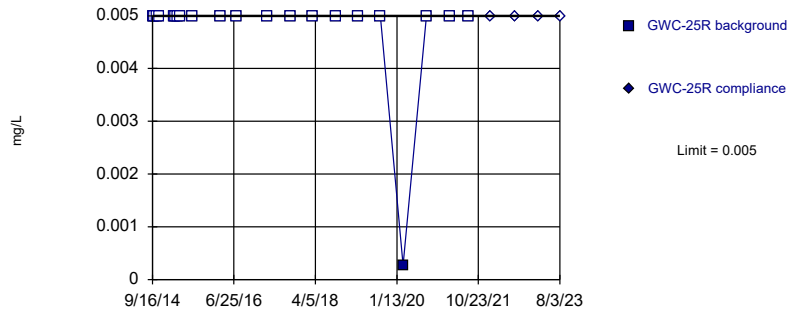


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

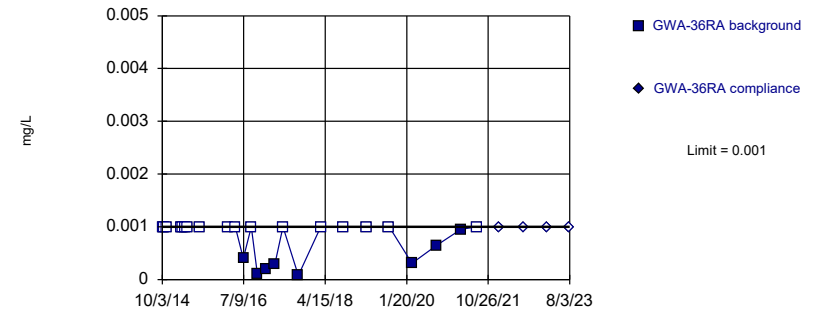


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Copper Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

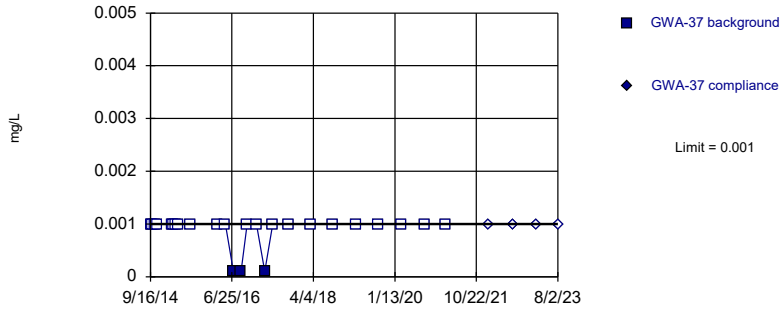


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 68% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

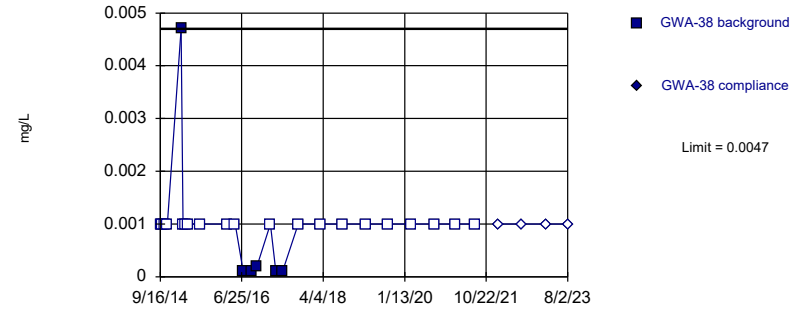


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

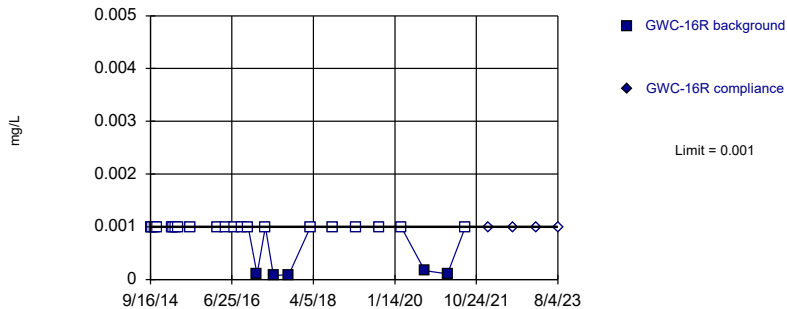


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 76.92% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

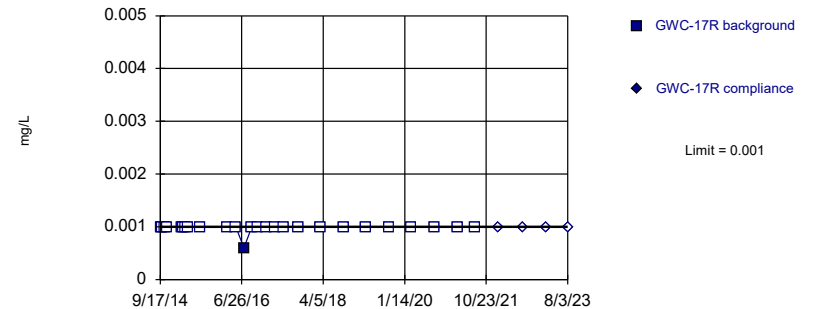


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

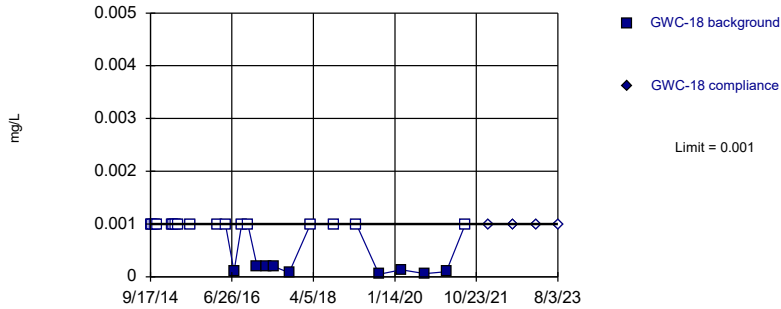


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

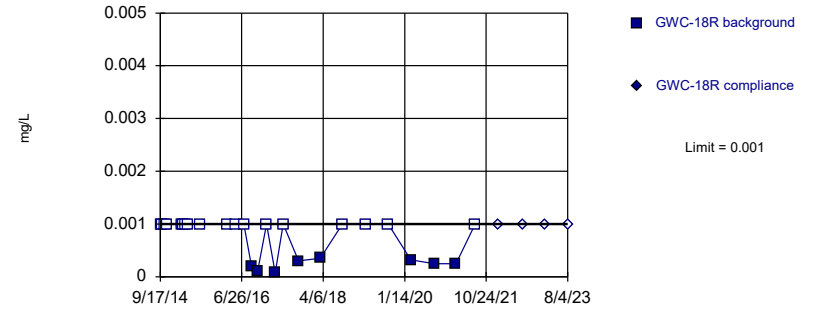


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 65.38% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

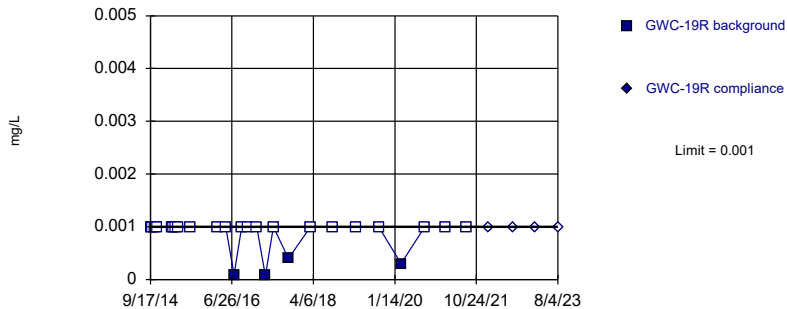


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

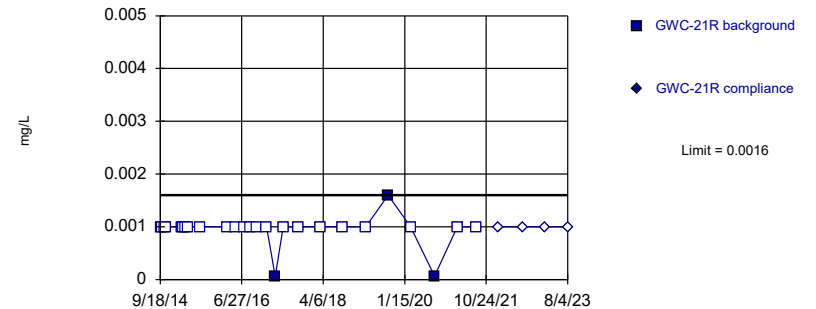


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

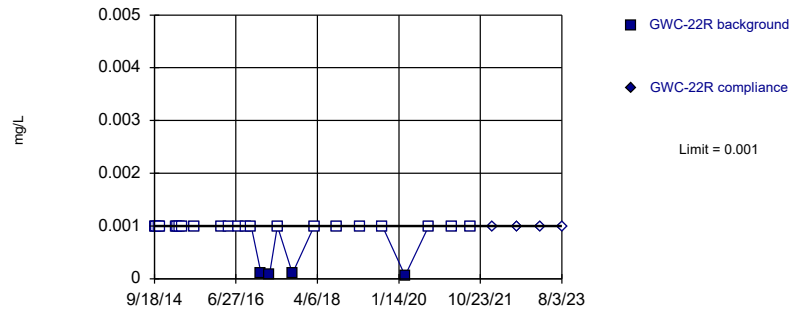


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

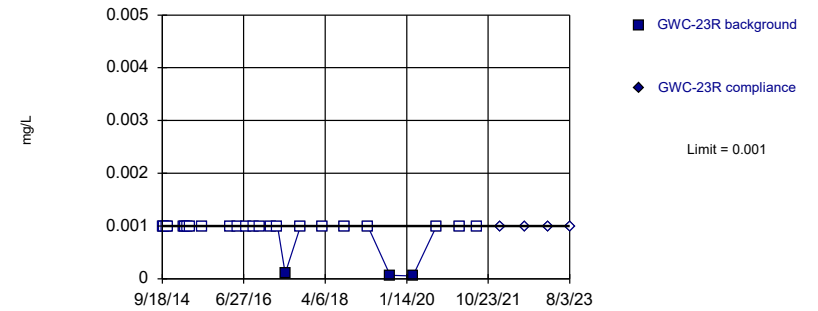


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

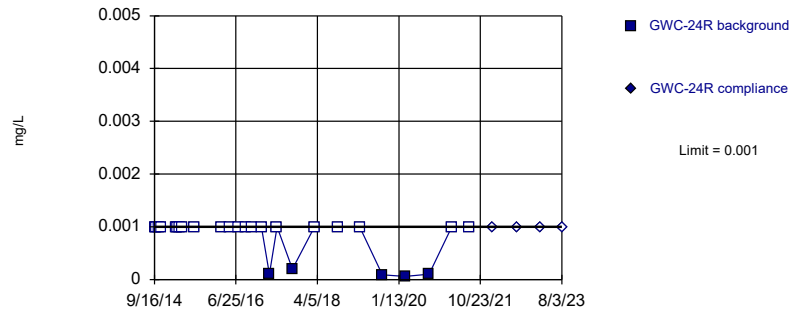


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

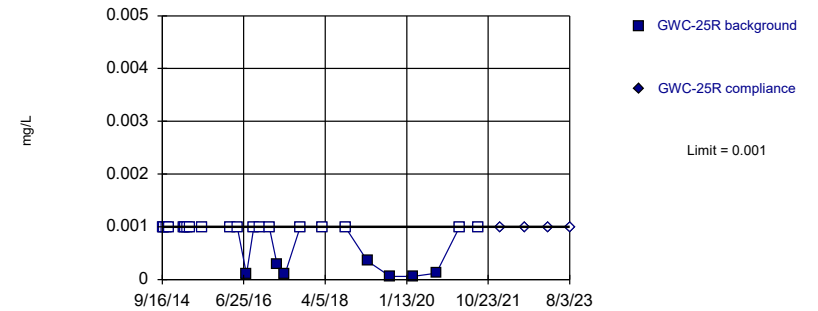


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

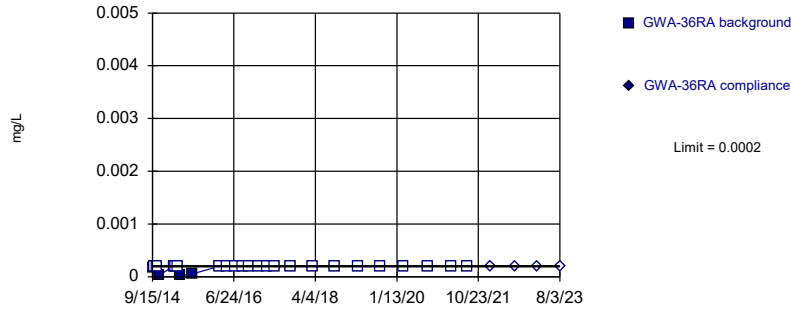


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Lead Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

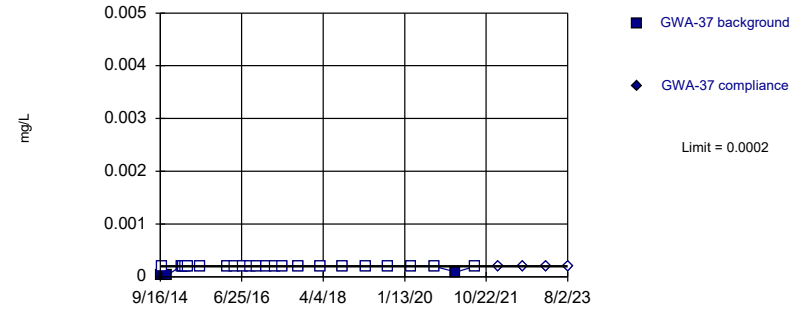


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

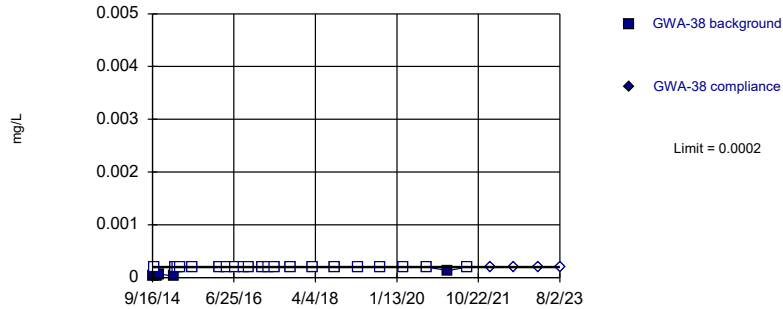


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

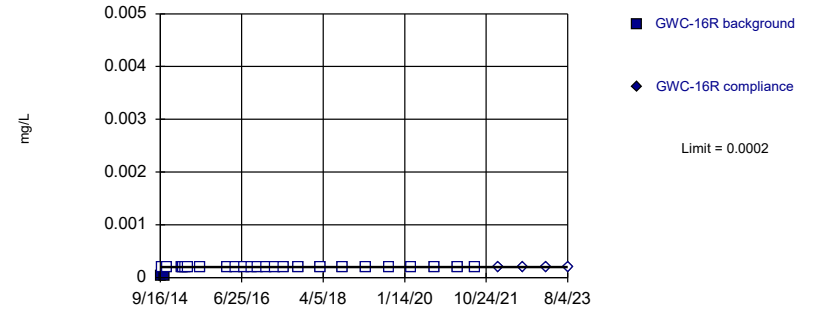


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

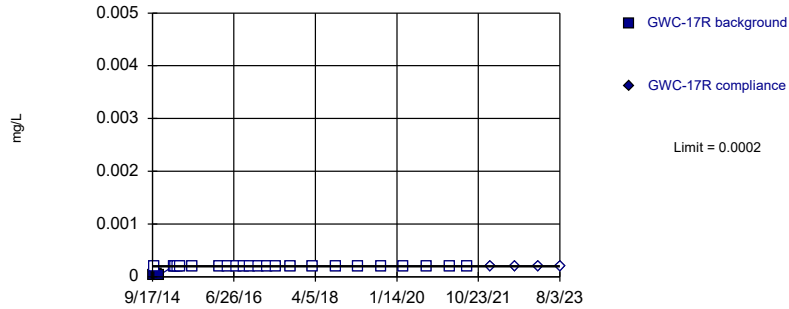


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

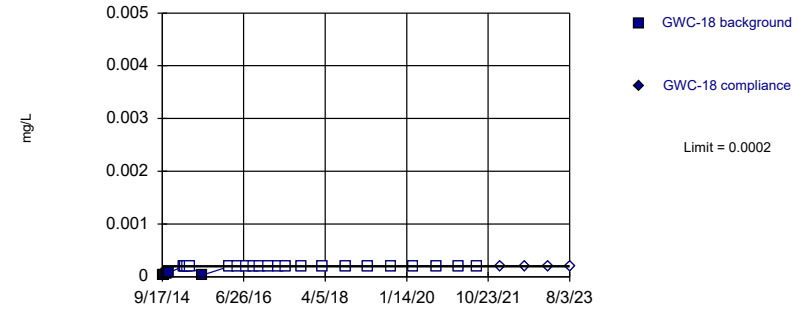


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

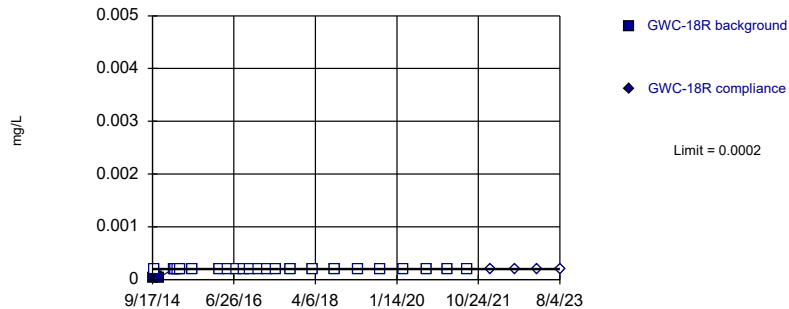


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

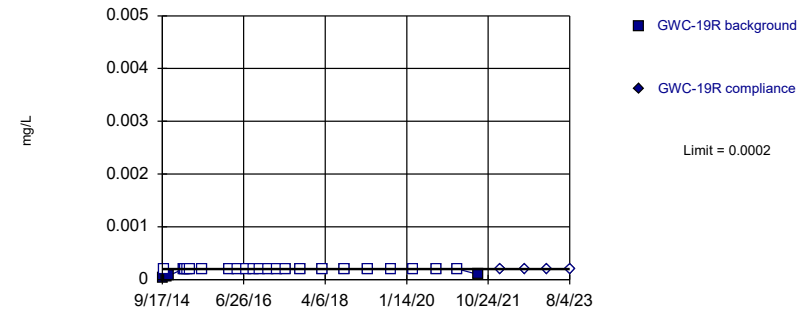


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

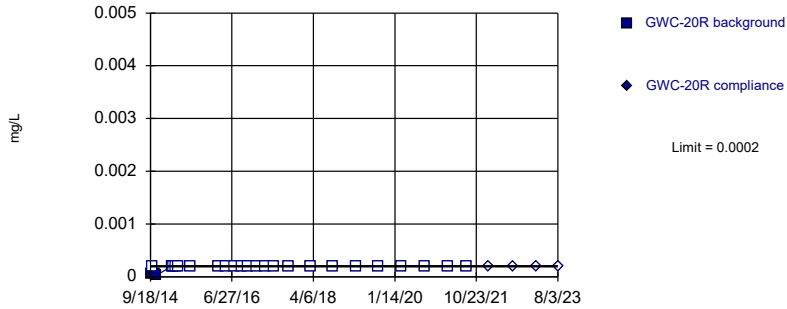


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 84.62% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

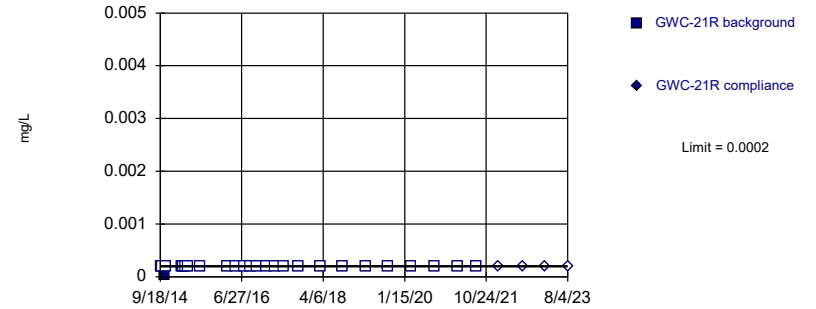


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

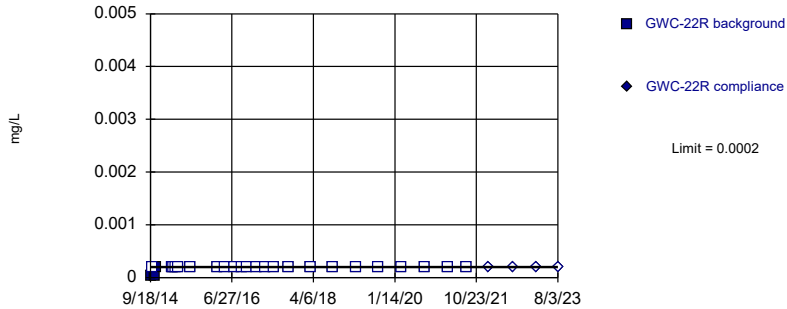


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

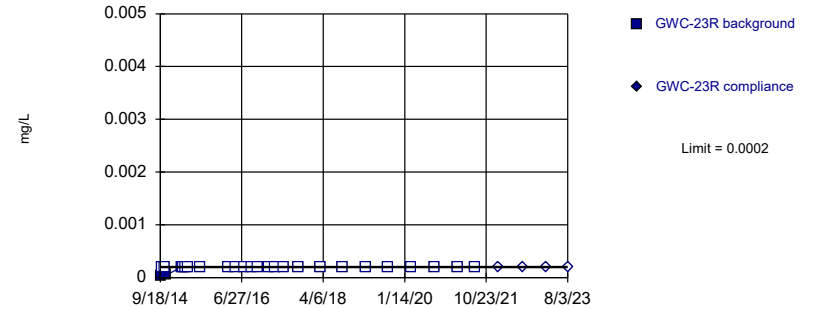


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

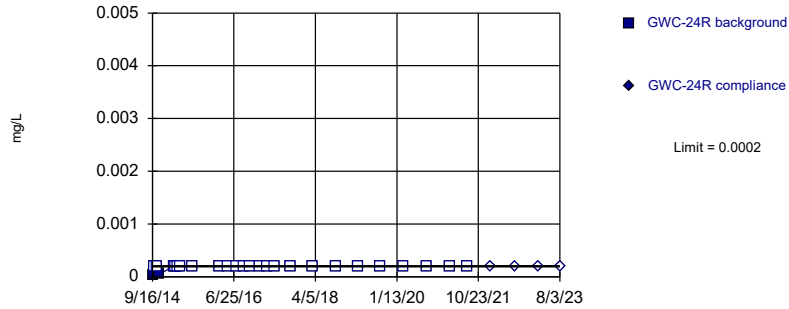


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

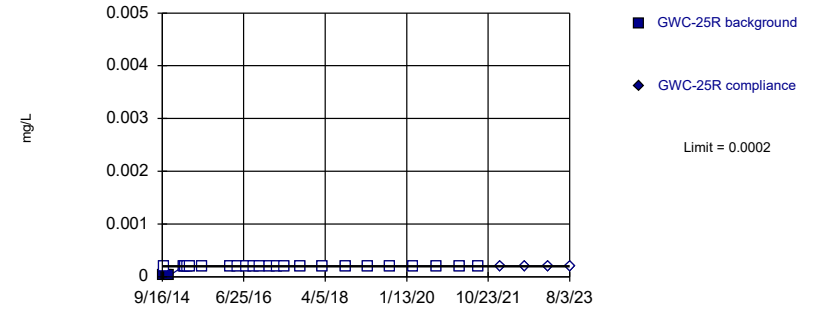


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

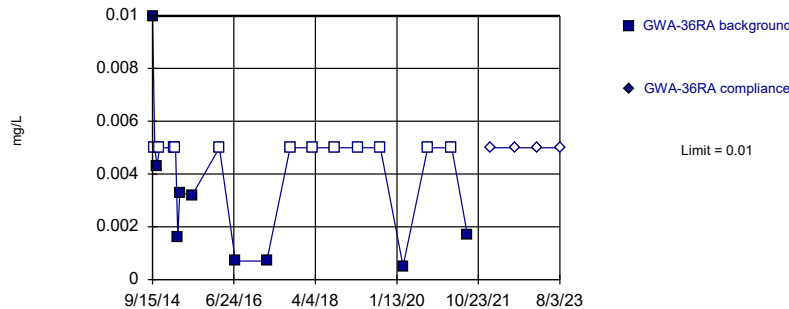


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 88.46% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Mercury Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

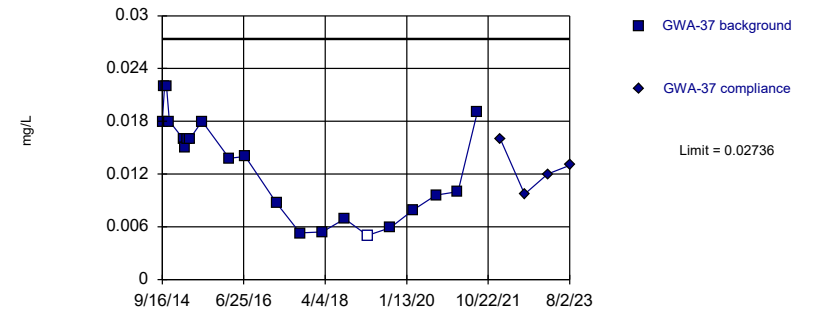


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

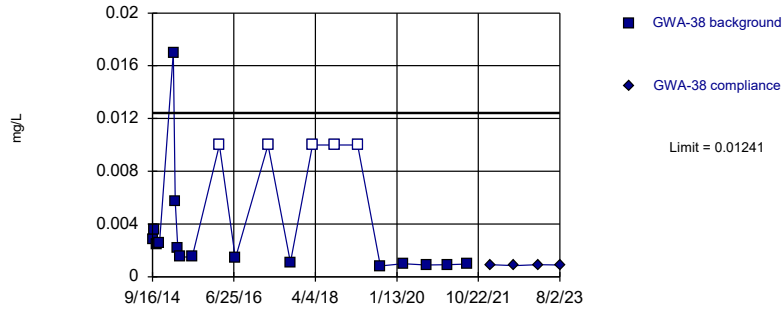


Background Data Summary: Mean=0.01298, Std. Dev.=0.005654, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

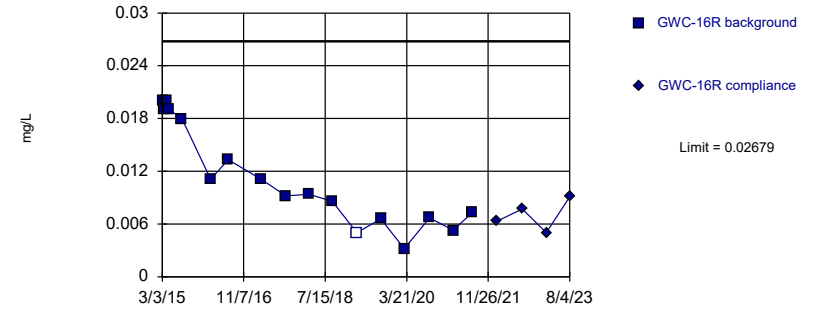


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.322, Std. Dev.=0.7598, n=21, 23.81% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8891, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

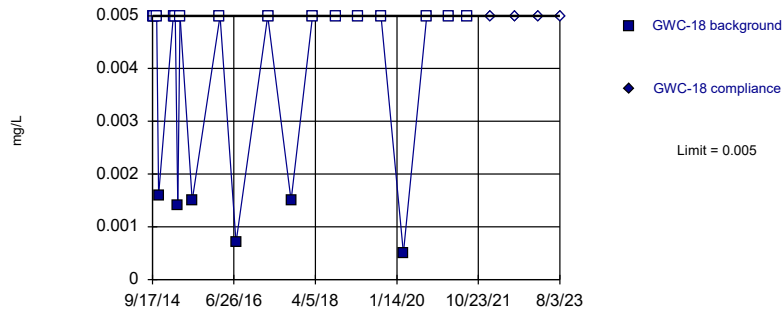


Background Data Summary: Mean=0.01134, Std. Dev.=0.005781, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8918, critical = 0.851. Kappa = 2.673 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

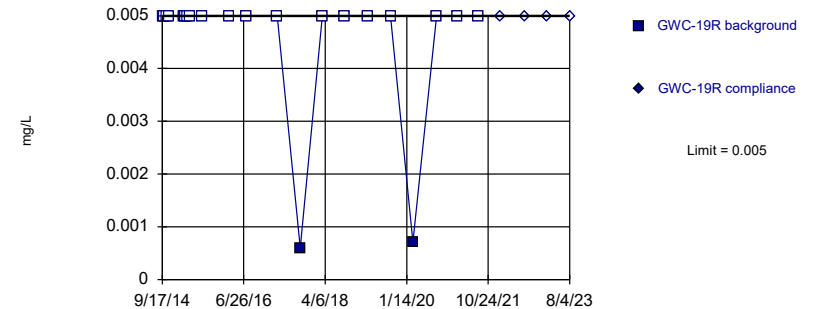


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

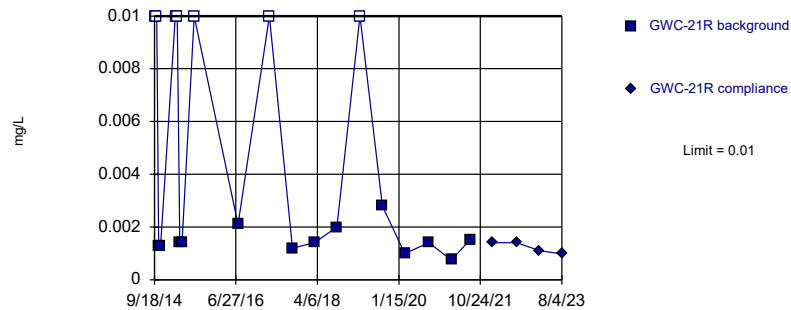


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

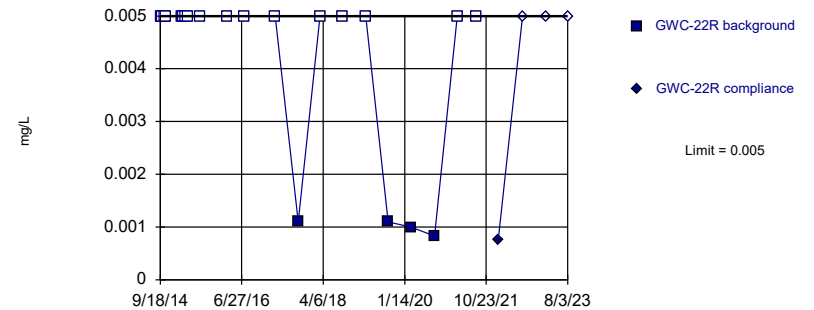


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

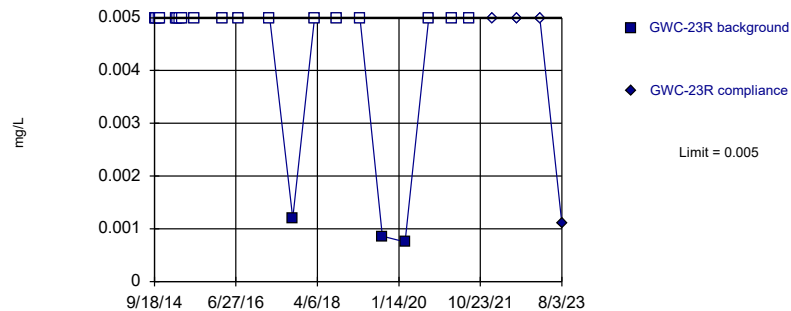


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

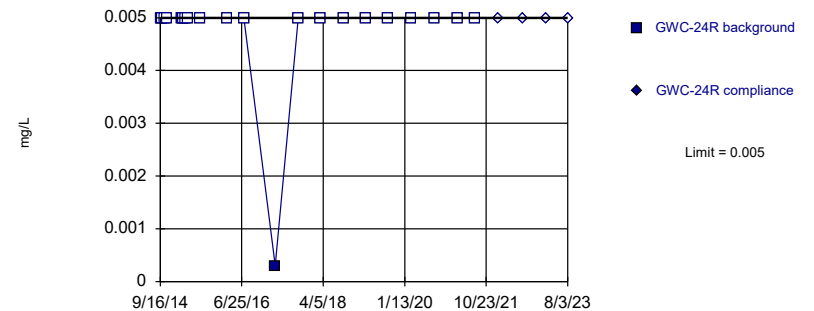


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

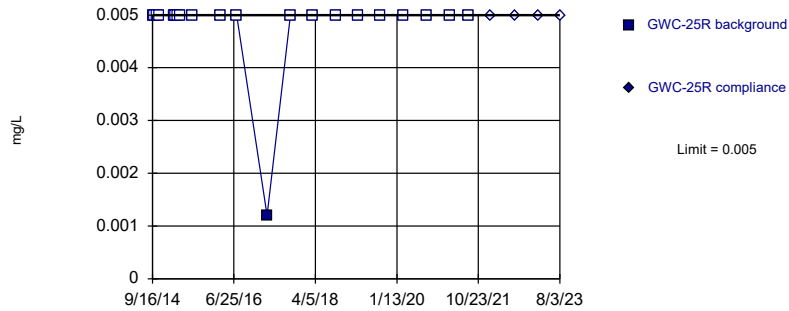


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:53 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

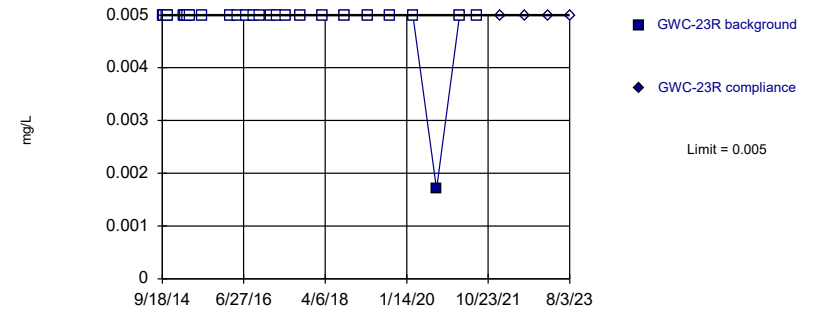


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

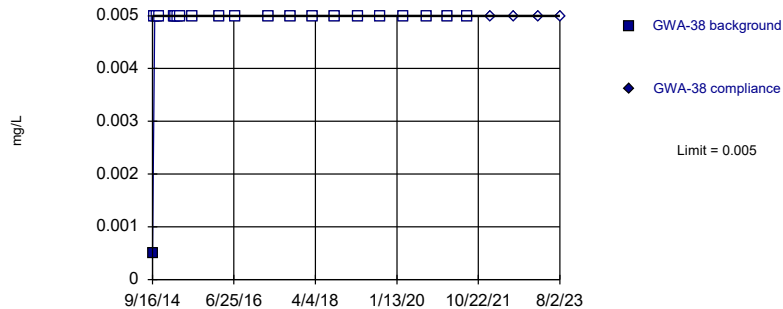


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Selenium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

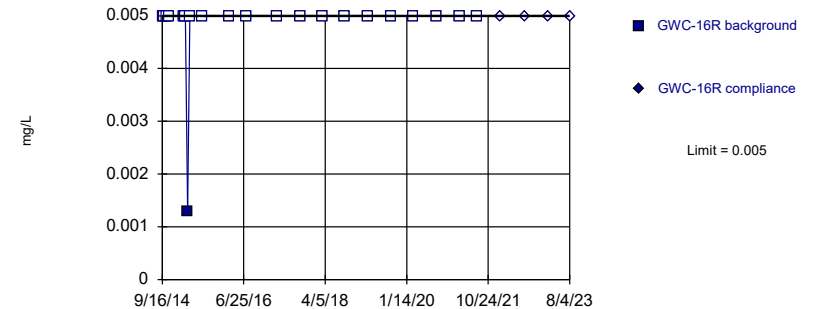


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

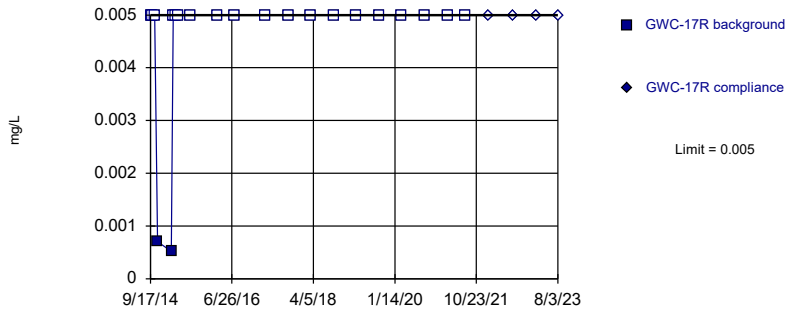


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

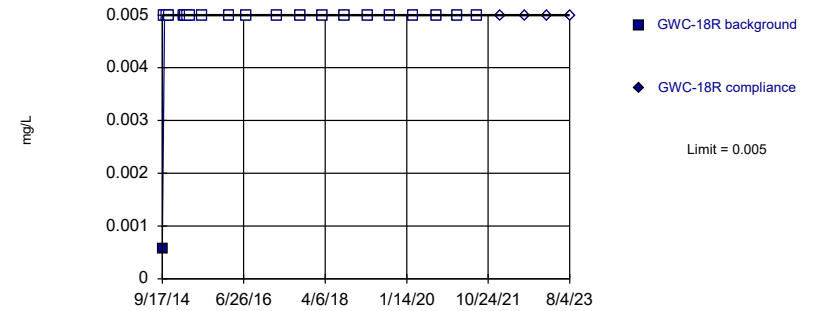


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

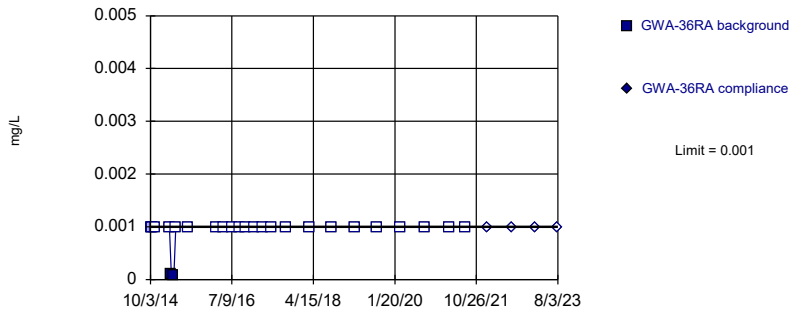


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Silver Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

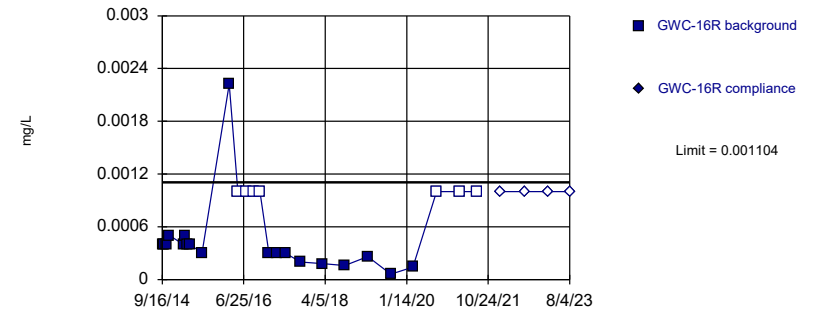


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

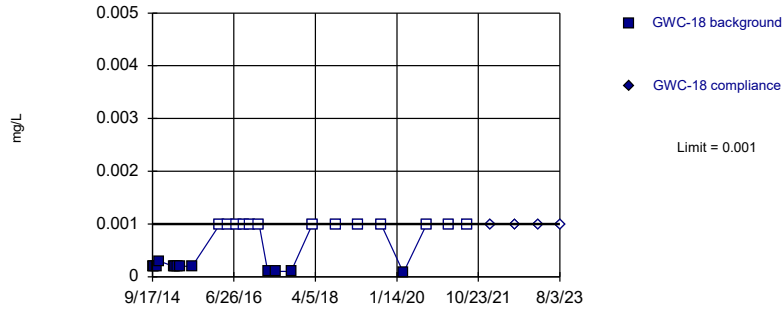


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.01531, Std. Dev.=0.007327, n=26, 26.92% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.891. Kappa = 2.446 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

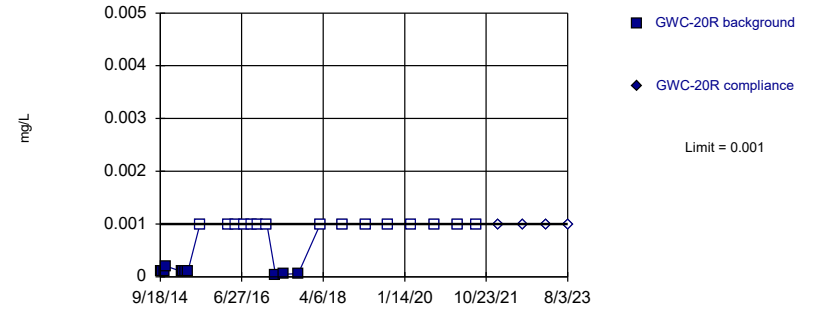


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 50% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

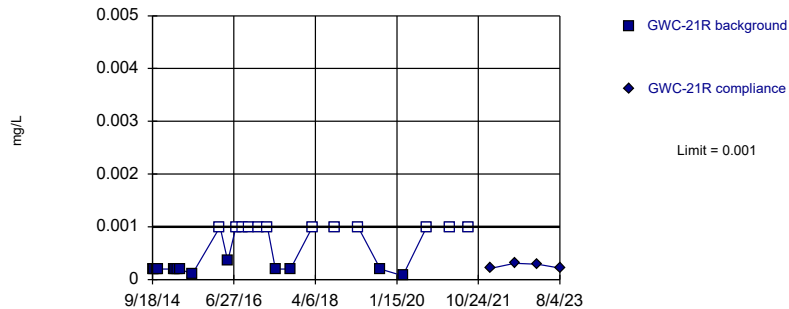


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 57.69% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

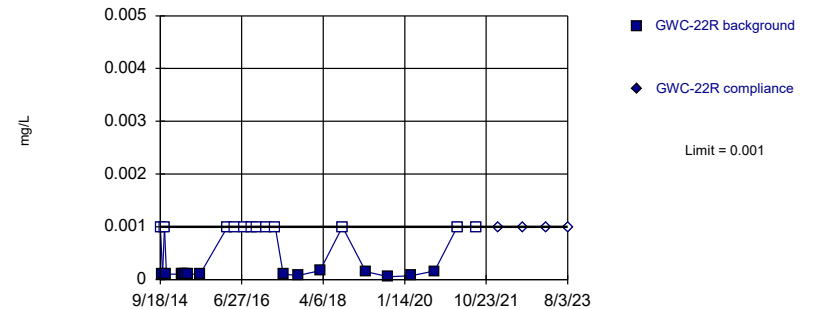


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

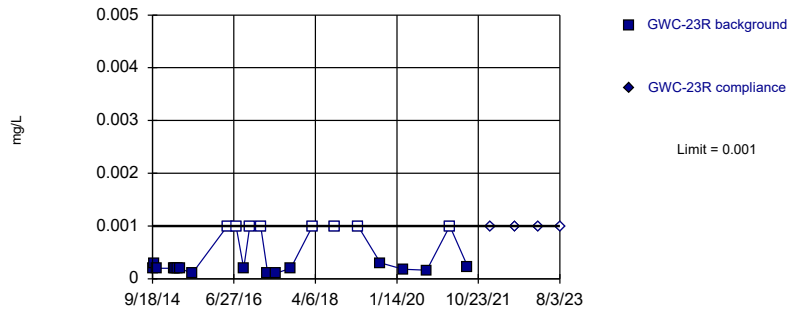


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 26 background values. 46.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

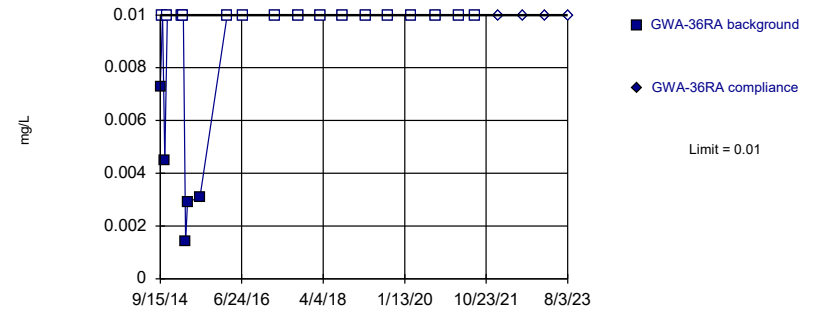


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 24 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

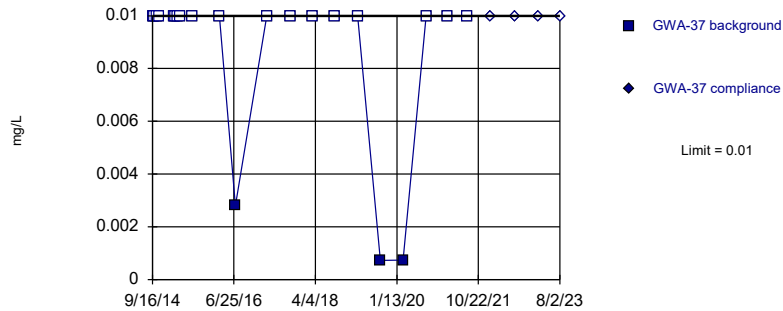


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

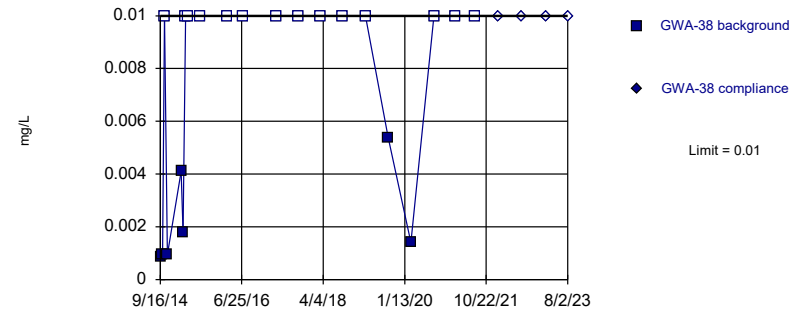


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

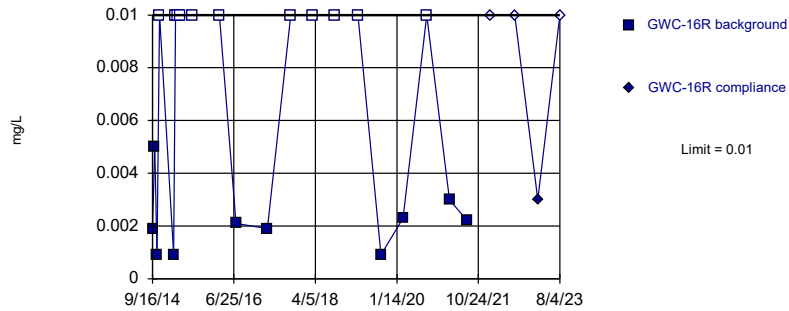


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

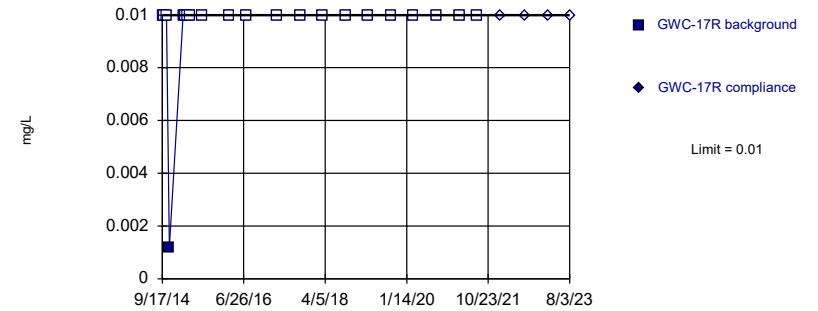


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

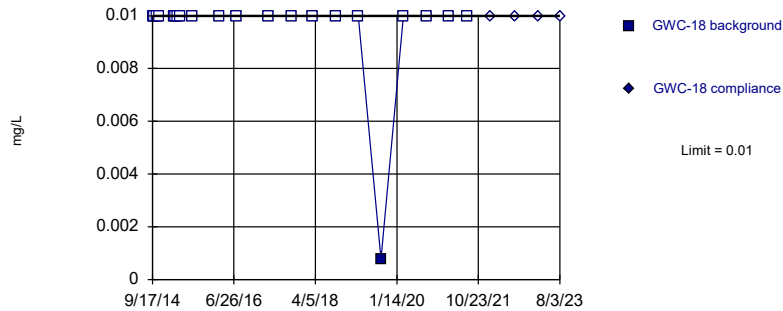


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

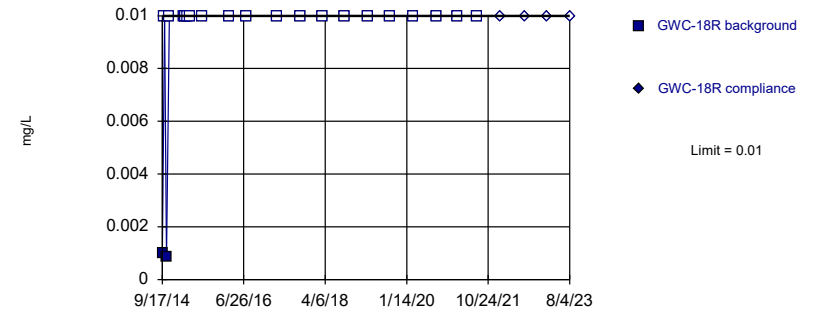


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

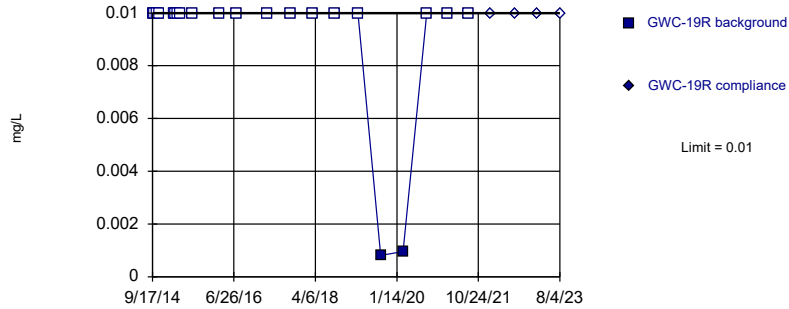


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

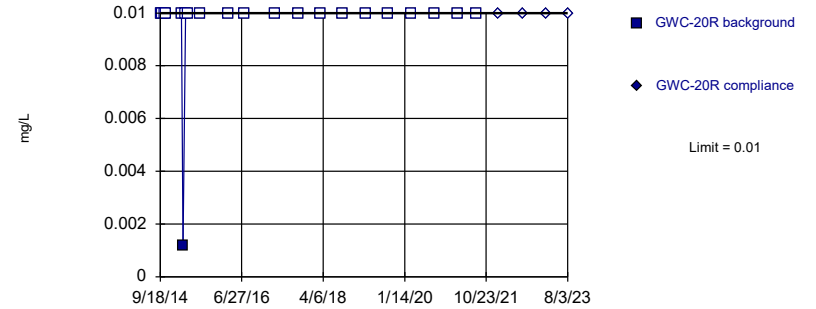


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

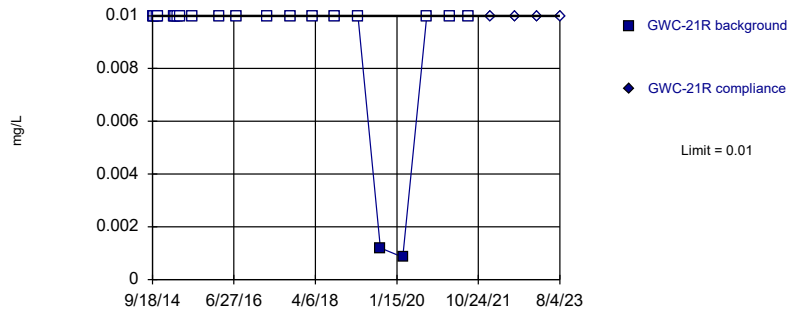


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

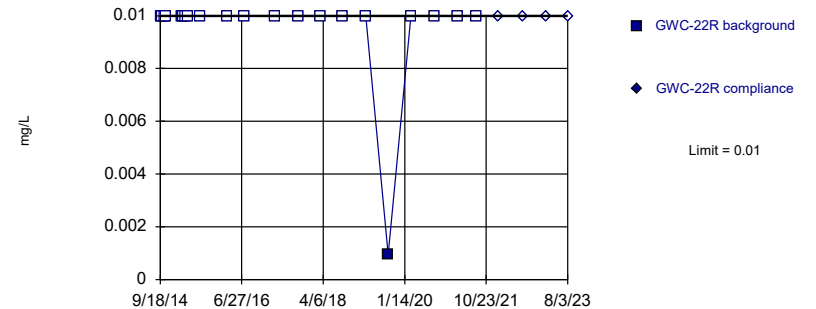


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

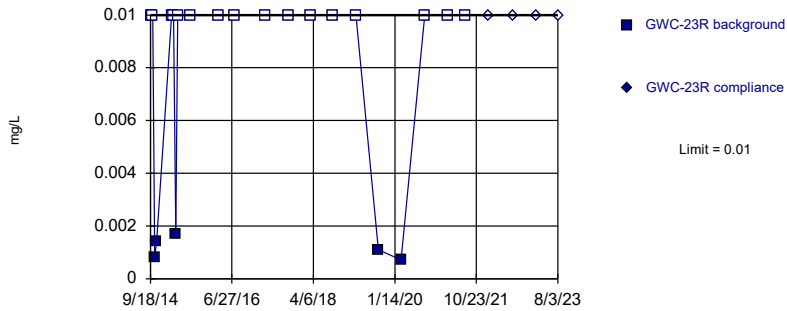


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

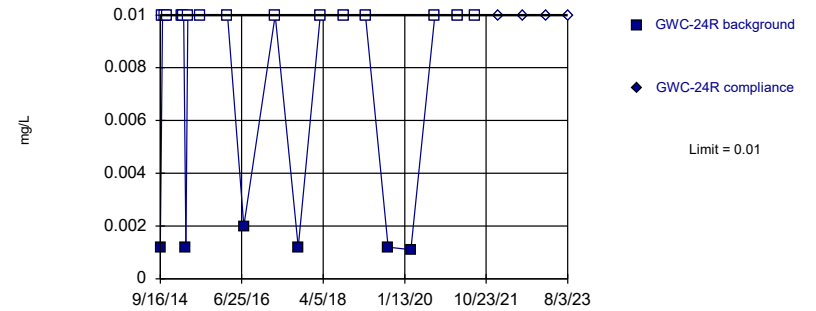


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

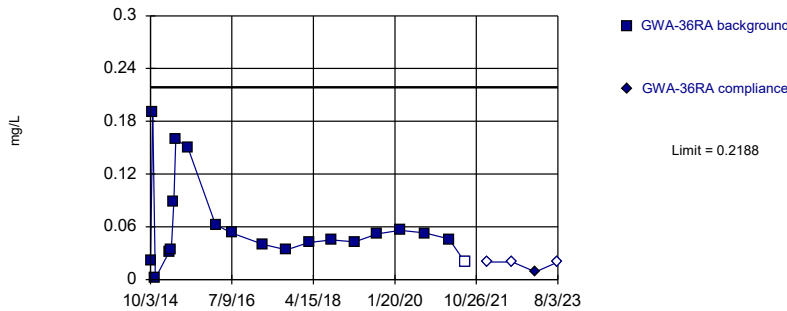


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Vanadium Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

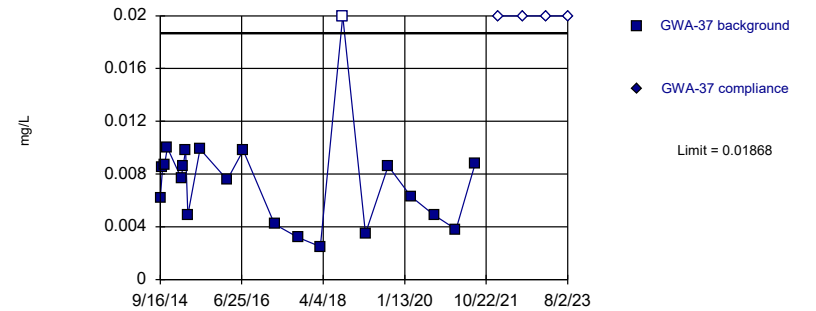


Background Data Summary (based on square root transformation): Mean=0.2304, Std. Dev.=0.09255, n=20, 5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9, critical = 0.868. Kappa = 2.565 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

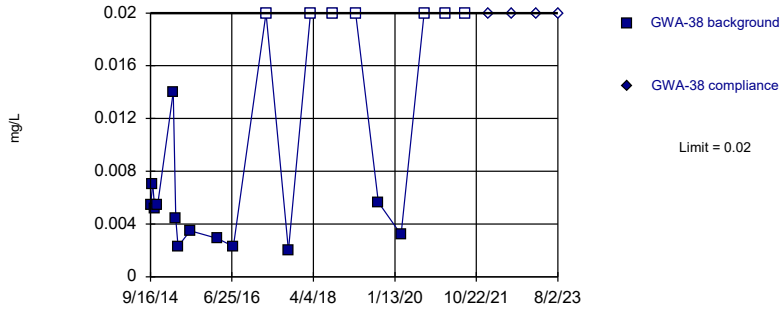


Background Data Summary (based on square root transformation): Mean=0.08422, Std. Dev.=0.02062, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9186, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

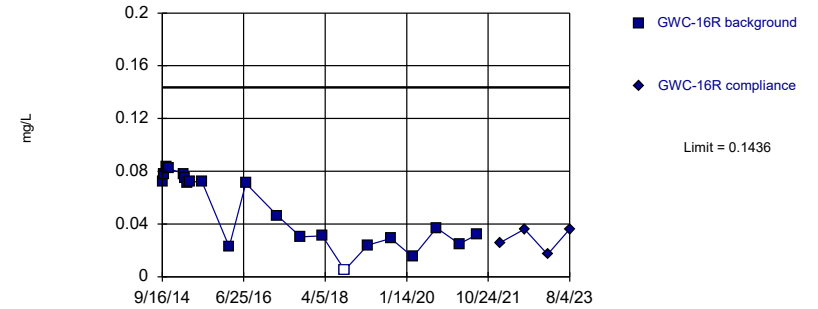


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 35% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

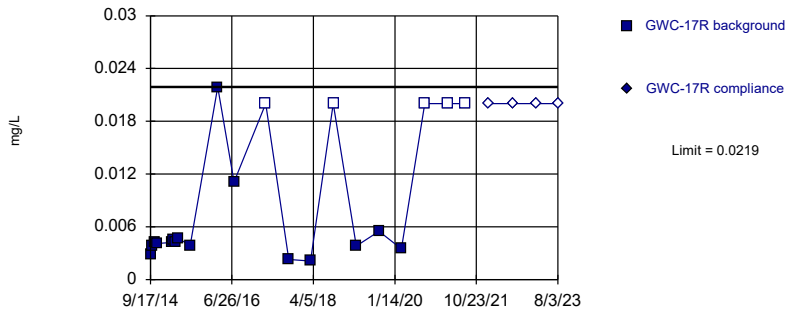


Background Data Summary (based on square root transformation): Mean=0.2147, Std. Dev.=0.06456, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8795, critical = 0.873. Kappa = 2.544 (c=16, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002993.

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

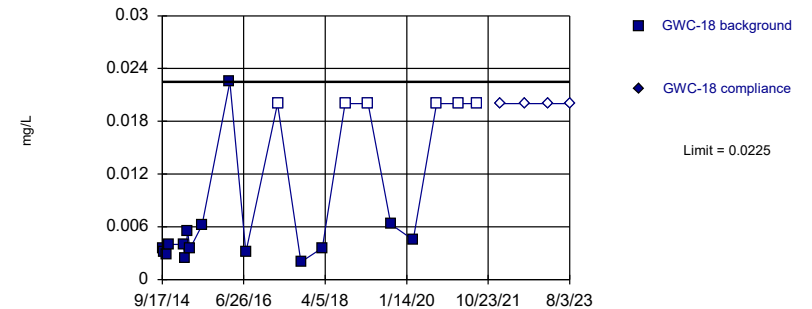


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 23.81% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

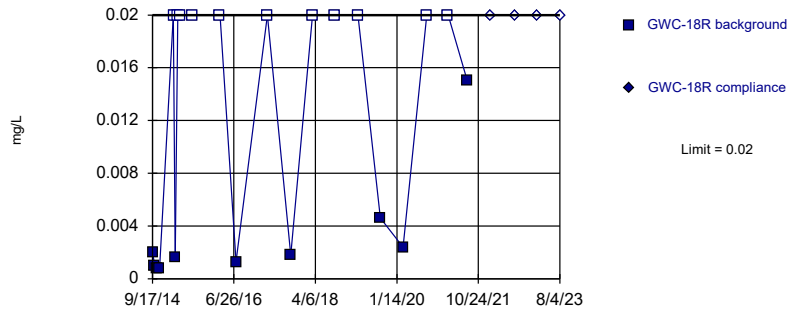


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

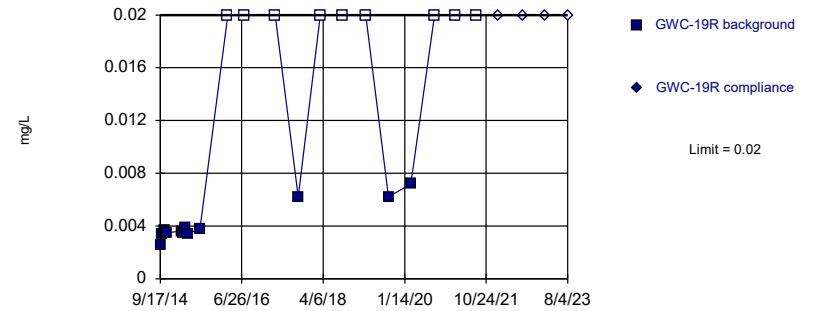


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

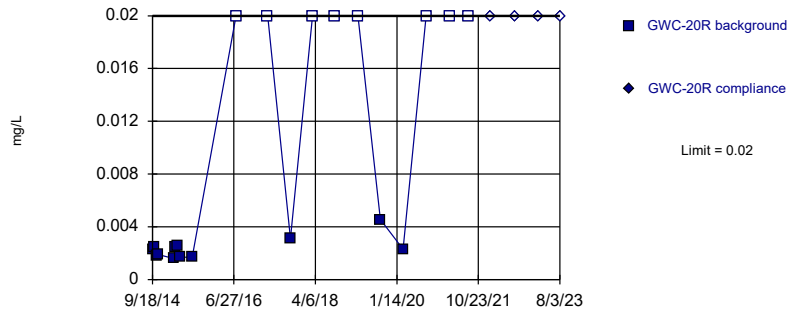


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 42.86% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

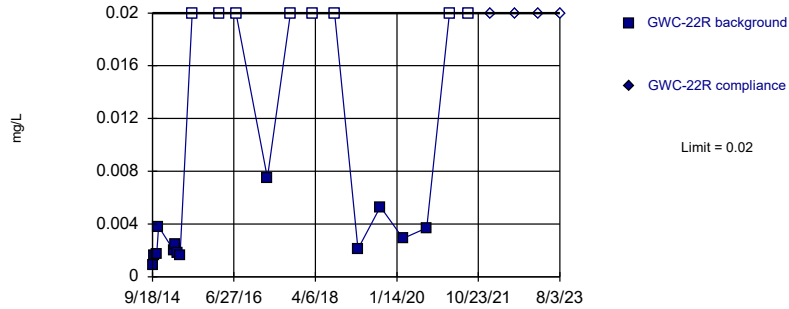
Within Limit

Prediction Limit
Intrawell Non-parametric



Within Limit

Prediction Limit Intrawell Non-parametric

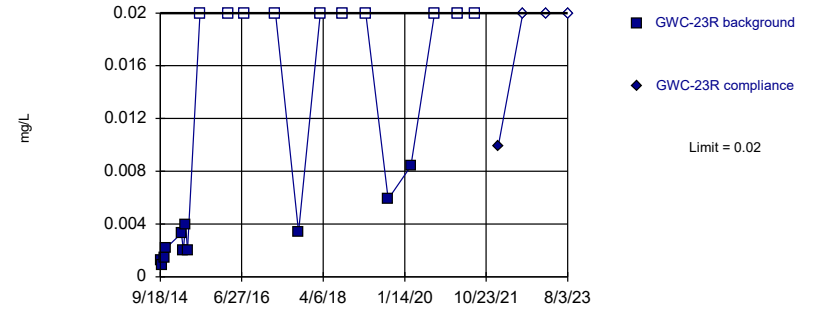


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 38.1% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

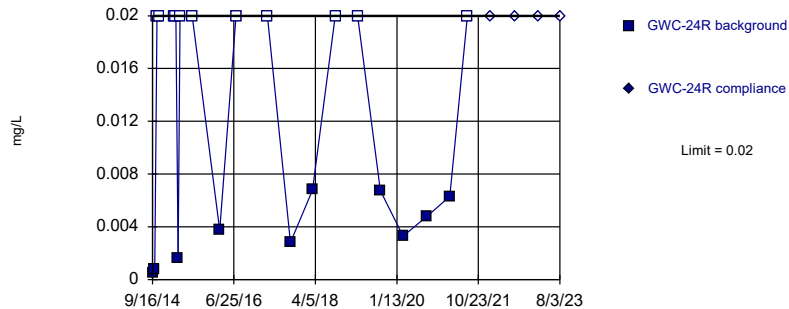


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

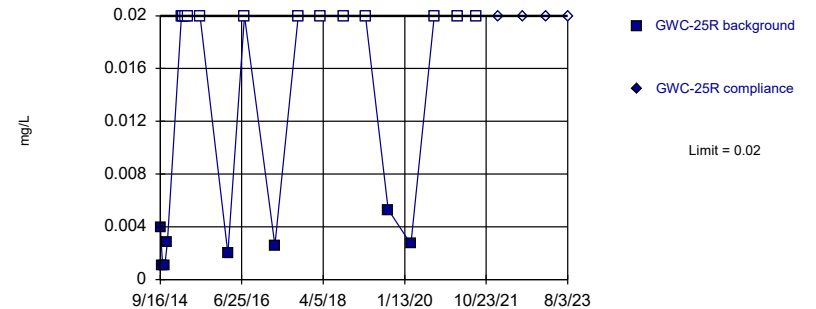


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 61.9% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 9/11/2023 4:54 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/21/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/7/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/14/2020	<0.003	
3/26/2021	0.00092 (J)	
7/27/2021	<0.003	
1/26/2022		<0.003
8/8/2022		0.0015 (J)
2/8/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	<0.003	
7/28/2015	<0.003	
3/1/2016	0.00214 (J)	
5/3/2016	0.00178 (J)	
7/8/2016	0.0023 (J)	
9/7/2016	0.0039	
10/25/2016	0.0035	
1/6/2017	0.0052	
3/14/2017	0.003	
5/16/2017	0.0026 (J)	
9/15/2017	0.0016 (J)	
3/12/2018	0.0023 (J)	
9/6/2018	0.0024 (J)	
3/6/2019	0.0019 (J)	
9/4/2019	0.0029 (J)	
3/2/2020	0.0018 (J)	
9/3/2020	0.0012 (J)	
2/24/2021	0.0012 (J)	
7/28/2021	0.0016 (J)	
1/26/2022		<0.003
8/8/2022		0.0018 (J)
2/8/2023		0.0013 (J)
8/2/2023		0.0018 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.0083	
10/4/2014	<0.0083	
10/21/2014	<0.0083	
11/11/2014	<0.0083	
3/3/2015	<0.0083	
3/18/2015	<0.0083	
4/6/2015	<0.0083	
4/23/2015	<0.0083	
7/29/2015	<0.0083	
3/3/2016	0.00472 (D)	
5/10/2016	0.0047	
7/13/2016	<0.0083	
9/15/2016	0.0013 (J)	
11/2/2016	0.0021 (J)	
1/11/2017	0.0086	
3/20/2017	0.0187	
5/23/2017	0.0097	
9/21/2017	0.0078	
3/14/2018	0.015	
9/7/2018	0.0026 (J)	
3/11/2019	0.02	
9/9/2019	0.011	
3/4/2020	0.019	
9/9/2020	0.015	
3/9/2021	0.018	
7/30/2021	0.019	
1/28/2022		0.027
8/11/2022		0.0099
2/10/2023		0.02
8/4/2023		0.012

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/6/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/4/2016	<0.003	
5/10/2016	0.000641 (J)	
7/14/2016	<0.003	
9/14/2016	0.0012 (J)	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/23/2017	<0.003	
9/22/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/10/2019	<0.003	
3/5/2020	<0.003	
9/9/2020	<0.003	
3/10/2021	<0.003	
7/30/2021	<0.003	
1/28/2022		<0.003
8/11/2022		<0.003
2/10/2023		<0.003
8/3/2023		0.0033

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/6/2020	0.00049 (J)	
9/9/2020	<0.003	
2/26/2021	<0.003	
7/29/2021	<0.003	
1/28/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	0.000672 (J)	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	0.0005 (J)	
5/22/2017	<0.003	
9/21/2017	0.0008 (J)	
3/14/2018	<0.003	
9/7/2018	<0.003	
3/12/2019	0.00091 (J)	
9/6/2019	0.00028 (J)	
3/5/2020	0.00068 (J)	
9/9/2020	<0.003	
2/26/2021	0.00059 (J)	
7/29/2021	0.0024 (J)	
1/27/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003
8/4/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	0.001755 (JD)	
3/5/2020	<0.003	
9/4/2020	<0.003	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/10/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0056	
10/5/2014	<0.0056	
10/22/2014	<0.0056	
11/5/2014	<0.0056	
3/4/2015	<0.0056	
3/19/2015	<0.0056	
4/8/2015	<0.0056	
4/24/2015	<0.0056	
7/30/2015	<0.0056	
3/8/2016	0.00318	
5/9/2016	0.00454	
7/15/2016	<0.0056	
9/9/2016	0.0033	
10/27/2016	0.0046	
1/12/2017	0.0064	
3/21/2017	0.0058	
5/23/2017	0.0023 (J)	
9/19/2017	0.0018 (J)	
3/14/2018	0.0063	
9/10/2018	0.0033	
3/11/2019	0.0029 (J)	
9/6/2019	0.01	
3/3/2020	0.0019 (J)	
9/8/2020	0.0041	
3/9/2021	0.0024 (J)	
8/2/2021	0.0048	
1/28/2022		0.0061
8/10/2022		0.0081 (J)
2/9/2023		0.0064
8/4/2023		0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/9/2016	0.003	
5/6/2016	0.000666 (J)	
7/15/2016	<0.003	
9/14/2016	0.0022 (J)	
11/1/2016	<0.003	
1/25/2017	<0.003	
3/22/2017	0.0006 (J)	
5/24/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	0.00029 (J)	
3/5/2020	<0.003	
9/9/2020	<0.003	
3/10/2021	<0.003	
7/30/2021	<0.003	
1/28/2022		<0.003
8/11/2022		<0.003
2/10/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/8/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/4/2016	0.0271 (Jo)	
5/5/2016	0.000761 (J)	
7/12/2016	0.0094 (o)	
9/13/2016	0.0072 (o)	
10/27/2016	0.005	
1/13/2017	0.0012 (J)	
3/20/2017	0.0014 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	<0.003	
3/13/2018	0.0016 (J)	
9/11/2018	<0.003	
3/8/2019	<0.003	
9/5/2019	0.00031 (JD)	
3/3/2020	<0.003	
9/9/2020	0.00094 (J)	
3/9/2021	0.00035 (J)	
7/29/2021	0.0011 (J)	
1/28/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.003	
10/4/2014	<0.003	
10/23/2014	<0.003	
11/10/2014	<0.003	
3/4/2015	<0.003	
3/20/2015	<0.003	
4/9/2015	<0.003	
4/23/2015	<0.003	
7/30/2015	<0.003	
3/8/2016	0.0226 (o)	
5/4/2016	0.00107 (J)	
7/18/2016	0.0004 (J)	
9/13/2016	0.0028 (J)	
10/27/2016	0.0011 (J)	
1/13/2017	<0.003	
3/16/2017	0.0009 (J)	
5/19/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	0.00093 (J)	
9/11/2018	<0.003	
3/8/2019	<0.003	
9/5/2019	<0.003	
3/3/2020	<0.003	
9/4/2020	0.0013 (J)	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0036 (J)	
10/3/2014	<0.005	
10/20/2014	0.0022 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0008 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	0.0007 (J)	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0005 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00053 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/26/2022		0.0019 (J)
8/8/2022		<0.005
2/8/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	0.0062	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/25/2016	<0.005	
2/9/2017	<0.005	
3/23/2017	<0.005	
5/17/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	0.00061 (J)	
9/6/2018	0.00071 (J)	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00059 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	0.08869 (oD)	
5/10/2016	0.00128 (J)	
7/13/2016	0.001 (J)	
9/15/2016	0.0017 (J)	
11/2/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/21/2017	0.001 (J)	
3/14/2018	0.0013 (J)	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	0.00094 (J)	
3/4/2020	0.00088 (J)	
9/9/2020	0.0011 (J)	
3/9/2021	0.00094 (J)	
7/30/2021	0.0025 (J)	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0009 (J)	
5/23/2017	<0.005	
9/22/2017	0.0008 (J)	
3/14/2018	0.00092 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	0.0053	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	0.00091 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00099 (J)	
3/6/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	0.0015 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0006 (J)	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	0.00057 (J)	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	0.00042 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	0.002 (J)	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	0.0007 (J)	
5/22/2017	<0.005	
9/20/2017	<0.005	
3/14/2018	0.00076 (J)	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00082 (J)	
3/4/2020	0.00072 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/22/2017	<0.005	
5/22/2017	<0.005	
9/19/2017	0.0006 (J)	
3/14/2018	0.0011 (J)	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00047 (JD)	
3/5/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.0028 (J)	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0148 (o)	
5/9/2016	0.00347 (J)	
7/15/2016	0.0017 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	0.002 (J)	
3/21/2017	0.0021 (J)	
5/23/2017	<0.005	
9/19/2017	0.0013 (J)	
3/14/2018	0.0033 (J)	
9/10/2018	<0.005	
3/11/2019	0.0038 (J)	
9/6/2019	0.0024 (J)	
3/3/2020	0.0015 (J)	
9/8/2020	0.0023 (J)	
3/9/2021	0.0045 (J)	
8/2/2021	0.0071	
1/28/2022		0.0031 (J)
8/10/2022		0.0025 (J)
2/9/2023		0.0025 (J)
8/4/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	0.001 (J)	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0012 (J)	
5/23/2017	<0.005	
9/19/2017	0.0021 (J)	
3/13/2018	0.00087 (J)	
9/7/2018	<0.005	
3/11/2019	0.00099 (J)	
9/5/2019	0.0024 (J)	
3/3/2020	0.0014 (J)	
9/8/2020	0.0025 (J)	
3/9/2021	0.0018 (J)	
8/2/2021	0.0041 (J)	
1/27/2022		0.0045 (J)
8/10/2022		0.0035 (J)
2/9/2023		0.003 (J)
8/3/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	0.0006 (J)	
9/21/2017	<0.005	
3/14/2018	0.0014 (J)	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00054 (J)	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	0.006	
1/28/2022		0.0026 (J)
8/11/2022		<0.005
2/10/2023		0.0032 (J)
8/3/2023		0.0049 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	0.0015 (J)	
5/5/2016	<0.005	
7/12/2016	0.0009 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0013 (J)	
5/19/2017	0.001 (J)	
9/19/2017	<0.005	
3/13/2018	0.0015 (J)	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.0005 (JD)	
3/3/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	0.0031 (J)	
1/28/2022		0.0021 (J)
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0004 (J)	
5/19/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	0.00073 (J)	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.0036 (J)	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.031	
10/3/2014	0.024	
10/20/2014	0.024	
11/10/2014	0.014	
3/2/2015	0.013	
3/17/2015	0.013	
4/5/2015	0.022	
4/21/2015	0.018	
7/28/2015	0.022	
3/1/2016	0.021	
5/2/2016	0.0225	
7/6/2016	0.0249	
9/7/2016	0.0251	
10/25/2016	0.0274	
1/5/2017	0.028	
3/14/2017	0.02	
5/16/2017	0.0221	
9/15/2017	0.0231	
3/12/2018	0.023	
9/6/2018	0.024	
3/7/2019	0.018	
9/4/2019	0.026	
3/2/2020	0.024	
9/14/2020	0.03	
3/26/2021	0.02	
7/27/2021	0.043	
1/26/2022		0.035
8/8/2022		0.038
2/8/2023		0.038
8/3/2023		0.033

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0071	
10/3/2014	0.0087	
10/20/2014	0.0085	
11/10/2014	0.008	
3/2/2015	0.0063	
3/17/2015	0.0066	
4/5/2015	0.0068	
4/22/2015	0.0094	
7/28/2015	0.0057	
3/1/2016	0.0101	
5/3/2016	0.0104	
7/8/2016	0.0095 (J)	
9/7/2016	0.0095 (J)	
10/25/2016	0.0121	
1/6/2017	0.014	
3/14/2017	0.009 (J)	
5/16/2017	0.0084 (J)	
9/15/2017	0.0078 (J)	
3/12/2018	0.006 (J)	
9/6/2018	0.0058 (J)	
3/6/2019	0.0052 (J)	
9/4/2019	0.005 (J)	
3/2/2020	0.005 (J)	
9/3/2020	0.0045 (J)	
2/24/2021	0.0044 (J)	
7/28/2021	0.0052	
1/26/2022		0.0046 (J)
8/8/2022		0.0035 (J)
2/8/2023		0.0039 (J)
8/2/2023		0.0038 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.014	
10/3/2014	0.016	
10/20/2014	0.014	
11/10/2014	0.015	
3/2/2015	0.03 (o)	
3/17/2015	0.018	
4/6/2015	0.014	
4/22/2015	0.012	
7/28/2015	0.012	
3/2/2016	0.0123	
5/3/2016	0.0114	
7/7/2016	0.012	
9/8/2016	0.0131	
10/25/2016	0.0122	
2/9/2017	0.0104	
3/23/2017	0.0128	
5/17/2017	0.0113	
9/19/2017	0.0114	
3/13/2018	0.011	
9/6/2018	0.011	
3/7/2019	0.011	
9/4/2019	0.0115 (D)	
3/2/2020	0.012	
9/3/2020	0.011	
2/24/2021	0.013	
7/28/2021	0.013	
1/25/2022		0.012
8/5/2022		0.012
2/8/2023		0.013
8/2/2023		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.069	
10/4/2014	0.057	
10/21/2014	0.056	
11/11/2014	0.05	
3/3/2015	0.045	
3/18/2015	0.044	
4/6/2015	0.045	
4/23/2015	0.041	
7/29/2015	0.043	
3/3/2016	0.0806	
5/10/2016	0.0495	
7/13/2016	0.0374	
9/15/2016	0.0542	
11/2/2016	0.0561	
1/11/2017	0.0401	
3/20/2017	0.0383	
5/23/2017	0.0376	
9/21/2017	0.0418	
3/14/2018	0.036	
9/7/2018	0.047	
3/11/2019	0.044	
9/9/2019	0.03	
3/4/2020	0.045	
9/9/2020	0.051	
3/9/2021	0.058	
7/30/2021	0.045	
1/28/2022		0.049
8/11/2022		0.034
2/10/2023		0.053
8/4/2023		0.034

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.019	
10/4/2014	0.02	
10/21/2014	0.02	
11/11/2014	0.021	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.02	
3/4/2016	0.0262 (Jo)	
5/10/2016	0.0204	
7/14/2016	0.0198	
9/14/2016	0.0183	
11/1/2016	0.0209	
1/11/2017	0.0194	
3/21/2017	0.0201	
5/23/2017	0.0199	
9/22/2017	0.0195	
3/14/2018	0.02	
9/11/2018	0.019	
3/12/2019	0.021	
9/10/2019	0.019	
3/5/2020	0.018	
9/9/2020	0.018	
3/10/2021	0.019	
7/30/2021	0.019	
1/28/2022		0.018
8/11/2022		0.017
2/10/2023		0.018
8/3/2023		0.019

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.035	
10/4/2014	0.038	
10/21/2014	0.034	
11/5/2014	0.04	
3/3/2015	0.033	
3/18/2015	0.031	
4/7/2015	0.038	
4/23/2015	0.031	
7/29/2015	0.045	
3/7/2016	<3 (o)	
5/5/2016	0.0278	
7/13/2016	0.0255	
9/13/2016	0.0251	
10/31/2016	0.0277	
1/12/2017	0.0258	
3/23/2017	0.0254	
5/23/2017	0.0247	
9/25/2017	0.0228	
3/14/2018	0.025	
9/11/2018	0.019	
3/12/2019	0.014	
9/9/2019	0.028	
3/6/2020	0.015	
9/9/2020	0.016	
2/26/2021	0.017	
7/29/2021	0.016	
1/28/2022		0.044
8/10/2022		0.013
2/9/2023		0.016
8/3/2023		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.015	
10/4/2014	<0.0013	
10/21/2014	0.027 (o)	
11/11/2014	0.028 (o)	
3/3/2015	0.034 (o)	
3/18/2015	0.014	
4/7/2015	0.017	
4/23/2015	0.013	
7/29/2015	0.013	
3/7/2016	0.0129	
5/5/2016	0.0149	
7/13/2016	0.0132	
9/12/2016	0.0142	
11/1/2016	0.0127	
1/11/2017	0.0146	
3/20/2017	0.0147	
5/22/2017	0.0146	
9/21/2017	0.0152	
3/14/2018	0.014	
9/7/2018	0.015	
3/12/2019	0.014	
9/6/2019	0.014	
3/5/2020	0.015	
9/9/2020	0.014	
2/26/2021	0.015	
7/29/2021	0.015	
1/27/2022		0.014
8/10/2022		0.014
2/9/2023		0.015
8/4/2023		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.018	
10/4/2014	0.017	
10/21/2014	0.017	
11/5/2014	0.017	
3/3/2015	0.016	
3/19/2015	0.015	
4/7/2015	0.017	
4/24/2015	0.015	
7/29/2015	0.016	
3/7/2016	<3 (o)	
5/9/2016	0.0162	
7/14/2016	0.0142	
9/12/2016	0.0154	
10/31/2016	0.015	
1/11/2017	0.0148	
3/21/2017	0.0159	
5/22/2017	0.0155	
9/20/2017	0.0164	
3/14/2018	0.016	
9/10/2018	0.016	
3/12/2019	0.016	
9/9/2019	0.015	
3/4/2020	0.017	
9/9/2020	0.014	
2/26/2021	0.016	
8/5/2021	0.017	
1/27/2022		0.016
8/9/2022		0.014
2/9/2023		0.015
8/4/2023		0.014

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.031	
10/5/2014	0.032	
10/22/2014	0.03	
11/5/2014	0.031	
3/4/2015	0.026	
3/19/2015	0.028	
4/7/2015	0.031	
4/24/2015	0.027	
7/30/2015	0.032	
3/8/2016	0.0298	
5/9/2016	0.0304	
7/14/2016	0.0307	
9/12/2016	0.0331	
10/31/2016	0.0321	
1/12/2017	0.0291	
3/22/2017	0.025	
5/22/2017	0.0276	
9/19/2017	0.034	
3/14/2018	0.03	
9/10/2018	0.028	
3/12/2019	0.03	
9/6/2019	0.0275 (D)	
3/5/2020	0.028	
9/4/2020	0.033	
3/9/2021	0.027	
8/2/2021	0.03	
1/27/2022		0.028
8/9/2022		0.029
2/10/2023		0.031
8/3/2023		0.035

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.023	
10/5/2014	0.025	
10/22/2014	0.025	
11/5/2014	0.025	
3/4/2015	0.024	
3/19/2015	0.024	
4/8/2015	0.027	
4/24/2015	0.025	
7/30/2015	0.025	
3/8/2016	0.0377	
5/9/2016	0.0347	
7/15/2016	0.0259	
9/9/2016	0.0242	
10/27/2016	0.0227	
1/12/2017	0.0253	
3/21/2017	0.0292	
5/23/2017	0.0282	
9/19/2017	0.0276	
3/14/2018	0.024	
9/10/2018	0.016	
3/11/2019	0.015	
9/6/2019	0.041	
3/3/2020	0.022	
9/8/2020	0.015	
3/9/2021	0.014	
8/2/2021	0.024	
1/28/2022		0.037
8/10/2022		0.03
2/9/2023		0.031
8/4/2023		0.025

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.057	
10/5/2014	0.052	
10/22/2014	0.052	
11/5/2014	<0.0013	
3/4/2015	0.046	
3/19/2015	0.045	
4/8/2015	0.045	
4/24/2015	0.039	
7/30/2015	0.039	
3/7/2016	0.026	
5/5/2016	0.0374	
7/14/2016	0.0271	
9/12/2016	0.045	
10/27/2016	0.0359	
1/13/2017	0.0338	
3/20/2017	0.033	
5/23/2017	0.0287	
9/19/2017	0.0389	
3/13/2018	0.028	
9/7/2018	0.055	
3/11/2019	0.048	
9/5/2019	0.045	
3/3/2020	0.044	
9/8/2020	0.054	
3/9/2021	0.045	
8/2/2021	0.034	
1/27/2022		0.06
8/10/2022		0.042
2/9/2023		0.04
8/3/2023		0.033

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.042	
10/5/2014	0.038	
10/22/2014	0.029	
11/5/2014	0.031	
3/4/2015	0.03	
3/20/2015	0.027	
4/8/2015	0.032	
4/23/2015	0.026	
7/30/2015	0.029	
3/9/2016	0.0284 (J)	
5/6/2016	0.0233	
7/15/2016	0.0208	
9/14/2016	0.0198	
11/1/2016	0.0207	
1/25/2017	0.0195	
3/22/2017	0.0211	
5/24/2017	0.0217	
9/21/2017	0.0226	
3/14/2018	0.024	
9/11/2018	0.023	
3/12/2019	0.022	
9/6/2019	0.021	
3/5/2020	0.022	
9/9/2020	0.036	
3/10/2021	0.026	
7/30/2021	0.028	
1/28/2022		0.036
8/11/2022		0.034
2/10/2023		0.038
8/3/2023		0.042

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.019	
10/4/2014	0.019	
10/23/2014	0.019	
11/10/2014	0.019	
3/4/2015	0.021	
3/20/2015	0.02	
4/8/2015	0.023	
4/23/2015	0.02	
7/30/2015	0.021	
3/4/2016	0.0422 (o)	
5/5/2016	0.0249	
7/12/2016	0.0246	
9/13/2016	0.0236	
10/27/2016	0.0229	
1/13/2017	0.0292	
3/20/2017	0.029	
5/19/2017	0.0295	
9/19/2017	0.0248	
3/13/2018	0.031	
9/11/2018	0.024	
3/8/2019	0.02	
9/5/2019	0.021 (D)	
3/3/2020	0.02	
9/9/2020	0.024	
3/9/2021	0.021	
7/29/2021	0.014	
1/28/2022		0.025
8/9/2022		0.015
2/9/2023		0.018
8/3/2023		0.017

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.015	
10/4/2014	0.015	
10/23/2014	0.015	
11/10/2014	0.015	
3/4/2015	0.016	
3/20/2015	0.015	
4/9/2015	0.016	
4/23/2015	0.015	
7/30/2015	0.015	
3/8/2016	0.0161	
5/4/2016	0.0167	
7/18/2016	0.0162	
9/13/2016	0.0161	
10/27/2016	0.016	
1/13/2017	0.015	
3/16/2017	0.0163	
5/19/2017	0.0164	
9/19/2017	0.0147	
3/13/2018	0.015	
9/11/2018	0.015	
3/8/2019	0.017	
9/5/2019	0.016	
3/3/2020	0.015	
9/4/2020	0.016	
3/9/2021	0.016	
8/2/2021	0.018	
1/27/2022		0.017
8/9/2022		0.015
2/9/2023		0.016
8/3/2023		0.014

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0032	
10/3/2014	<0.003	
10/20/2014	0.0014	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	8.3E-05 (J)	
4/5/2015	0.00038 (J)	
4/21/2015	0.0011 (J)	
7/28/2015	0.00092 (J)	
3/1/2016	<0.003	
5/2/2016	<0.003	
7/6/2016	0.0002 (J)	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/5/2017	0.0001 (J)	
3/14/2017	0.0001 (J)	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	5.6E-05 (J)	
9/6/2018	<0.003	
3/7/2019	6.8E-05 (J)	
9/4/2019	<0.003	
3/2/2020	0.00015 (J)	
9/14/2020	0.00012 (J)	
3/26/2021	0.00019 (J)	
7/27/2021	8.1E-05 (J)	
1/26/2022		<0.003
8/8/2022		<0.003
2/8/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.003	
10/3/2014	<0.003	
10/20/2014	<0.003	
11/10/2014	<0.003	
3/2/2015	<0.003	
3/17/2015	<0.003	
4/5/2015	<0.003	
4/22/2015	8.3E-05 (J)	
7/28/2015	<0.003	
3/1/2016	<0.003	
5/3/2016	<0.003	
7/8/2016	<0.003	
9/7/2016	<0.003	
10/25/2016	<0.003	
1/6/2017	<0.003	
3/14/2017	<0.003	
5/16/2017	<0.003	
9/15/2017	<0.003	
3/12/2018	<0.003	
9/6/2018	<0.003	
3/6/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/3/2020	<0.003	
2/24/2021	<0.003	
7/28/2021	<0.003	
1/26/2022		<0.003
8/8/2022		<0.003
2/8/2023		<0.003
8/2/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.003	
10/3/2014	8.3E-05 (J)	
10/20/2014	7.8E-05 (J)	
11/10/2014	8E-05 (J)	
3/2/2015	0.00034 (J)	
3/17/2015	0.00014 (J)	
4/6/2015	<0.003	
4/22/2015	7.8E-05 (J)	
7/28/2015	<0.003	
3/2/2016	<0.003	
5/3/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/25/2016	<0.003	
2/9/2017	<0.003	
3/23/2017	<0.003	
5/17/2017	<0.003	
9/19/2017	<0.003	
3/13/2018	<0.003	
9/6/2018	<0.003	
3/7/2019	<0.003	
9/4/2019	<0.003	
3/2/2020	<0.003	
9/3/2020	<0.003	
2/24/2021	<0.003	
7/28/2021	<0.003	
1/25/2022		<0.003
8/5/2022		<0.003
2/8/2023		<0.003
8/2/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	9E-05 (J)	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	7.8E-05 (J)	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/13/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/23/2017	<0.003	
5/23/2017	<0.003	
9/25/2017	<0.003	
3/14/2018	<0.003	
9/11/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/6/2020	<0.003	
9/9/2020	<0.003	
2/26/2021	<0.003	
7/29/2021	<0.003	
1/28/2022		<0.003
8/10/2022		<0.003
2/9/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	7.8E-05 (J)	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/11/2014	<0.003	
3/3/2015	<0.003	
3/18/2015	<0.003	
4/7/2015	<0.003	
4/23/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/5/2016	<0.003	
7/13/2016	<0.003	
9/12/2016	<0.003	
11/1/2016	<0.003	
1/11/2017	<0.003	
3/20/2017	<0.003	
5/22/2017	<0.003	
9/21/2017	<0.003	
3/14/2018	0.00011 (J)	
9/7/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	<0.003	
3/5/2020	0.00013 (J)	
9/9/2020	0.0002 (J)	
2/26/2021	0.0002 (J)	
7/29/2021	0.00015 (J)	
1/27/2022		5.5E-05 (J)
8/10/2022		5.6E-05 (J)
2/9/2023		0.00015 (J)
8/4/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.003	
10/4/2014	<0.003	
10/21/2014	<0.003	
11/5/2014	<0.003	
3/3/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	<0.003	
7/29/2015	<0.003	
3/7/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/11/2017	<0.003	
3/21/2017	<0.003	
5/22/2017	<0.003	
9/20/2017	0.0001 (J)	
3/14/2018	6.5E-05 (J)	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/9/2019	<0.003	
3/4/2020	0.00013 (J)	
9/9/2020	<0.003	
2/26/2021	<0.003	
8/5/2021	9.9E-05 (J)	
1/27/2022		<0.003
8/9/2022		<0.003
2/9/2023		<0.003
8/4/2023		<0.003

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.003	
10/5/2014	<0.003	
10/22/2014	<0.003	
11/5/2014	<0.003	
3/4/2015	<0.003	
3/19/2015	<0.003	
4/7/2015	<0.003	
4/24/2015	8.3E-05 (J)	
7/30/2015	<0.003	
3/8/2016	<0.003	
5/9/2016	<0.003	
7/14/2016	<0.003	
9/12/2016	<0.003	
10/31/2016	<0.003	
1/12/2017	<0.003	
3/22/2017	<0.003	
5/22/2017	<0.003	
9/19/2017	<0.003	
3/14/2018	<0.003	
9/10/2018	<0.003	
3/12/2019	<0.003	
9/6/2019	<0.003	
3/5/2020	<0.003	
9/4/2020	<0.003	
3/9/2021	<0.003	
8/2/2021	<0.003	
1/27/2022		<0.003
8/9/2022		<0.003
2/10/2023		<0.003
8/3/2023		<0.003

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.001 (J)	
10/3/2014	<0.0005	
10/20/2014	0.00036 (J)	
11/10/2014	<0.0005	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/21/2015	0.00044 (J)	
7/28/2015	0.00027 (J)	
3/1/2016	0.000207 (J)	
5/2/2016	0.000154 (J)	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/25/2016	0.0002 (J)	
1/5/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	0.0001 (J)	
9/15/2017	<0.0005	
3/12/2018	0.00013 (J)	
9/6/2018	0.00011 (J)	
3/7/2019	0.00017 (J)	
9/4/2019	0.00016 (J)	
3/2/2020	0.00018 (J)	
9/14/2020	0.00016 (J)	
3/26/2021	0.00015 (J)	
7/27/2021	0.00014 (J)	
1/26/2022		<0.0005
8/8/2022		0.00016 (J)
2/8/2023		<0.0005
8/3/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	0.00026 (J)	
3/2/2015	<0.0005	
3/17/2015	<0.0005	
4/5/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/1/2016	0.000103 (J)	
5/3/2016	<0.0005	
7/8/2016	<0.0005	
9/7/2016	<0.0005	
10/25/2016	<0.0005	
1/6/2017	<0.0005	
3/14/2017	<0.0005	
5/16/2017	<0.0005	
9/15/2017	<0.0005	
3/12/2018	<0.0005	
9/6/2018	<0.0005	
3/6/2019	9.3E-05 (J)	
9/4/2019	<0.0005	
3/2/2020	<0.0005	
9/3/2020	<0.0005	
2/24/2021	<0.0005	
7/28/2021	0.00025 (J)	
1/26/2022		<0.0005
8/8/2022		0.00032 (J)
2/8/2023		<0.0005
8/2/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.0005	
10/3/2014	<0.0005	
10/20/2014	<0.0005	
11/10/2014	<0.0005	
3/2/2015	0.00035 (J)	
3/17/2015	<0.0005	
4/6/2015	<0.0005	
4/22/2015	<0.0005	
7/28/2015	<0.0005	
3/2/2016	0.000109 (J)	
5/3/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	0.0001 (J)	
10/25/2016	<0.0005	
2/9/2017	0.0001 (J)	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/6/2018	<0.0005	
3/7/2019	<0.0005	
9/4/2019	<0.0005	
3/2/2020	<0.0005	
9/3/2020	<0.0005	
2/24/2021	<0.0005	
7/28/2021	<0.0005	
1/25/2022		<0.0005
8/5/2022		<0.0005
2/8/2023		<0.0005
8/2/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.0005	
10/4/2014	<0.0005	
10/21/2014	<0.0005	
11/5/2014	<0.0005	
3/3/2015	<0.0005	
3/18/2015	<0.0005	
4/7/2015	<0.0005	
4/23/2015	<0.0005	
7/29/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/13/2016	<0.0005	
9/13/2016	<0.0005	
10/31/2016	8E-05 (J)	
1/12/2017	<0.0005	
3/23/2017	<0.0005	
5/23/2017	<0.0005	
9/25/2017	<0.0005	
3/14/2018	<0.0005	
9/11/2018	<0.0005	
3/12/2019	<0.0005	
9/9/2019	<0.0005	
3/6/2020	<0.0005	
9/9/2020	<0.0005	
2/26/2021	<0.0005	
7/29/2021	<0.0005	
1/28/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005
8/3/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/9/2016	<0.0005	
7/15/2016	<0.0005	
9/9/2016	<0.0005	
10/27/2016	<0.0005	
1/12/2017	<0.0005	
3/21/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/14/2018	<0.0005	
9/10/2018	0.00021 (J)	
3/11/2019	<0.0005	
9/6/2019	<0.0005	
3/3/2020	<0.0005	
9/8/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/28/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005
8/4/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.0005	
10/5/2014	<0.0005	
10/22/2014	<0.0005	
11/5/2014	<0.0005	
3/4/2015	<0.0005	
3/19/2015	<0.0005	
4/8/2015	<0.0005	
4/24/2015	<0.0005	
7/30/2015	<0.0005	
3/7/2016	<0.0005	
5/5/2016	<0.0005	
7/14/2016	<0.0005	
9/12/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	8E-05 (J)	
3/20/2017	<0.0005	
5/23/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/7/2018	<0.0005	
3/11/2019	<0.0005	
9/5/2019	<0.0005	
3/3/2020	<0.0005	
9/8/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/27/2022		<0.0005
8/10/2022		<0.0005
2/9/2023		<0.0005
8/3/2023		<0.0005

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.0005	
10/4/2014	<0.0005	
10/23/2014	<0.0005	
11/10/2014	<0.0005	
3/4/2015	<0.0005	
3/20/2015	<0.0005	
4/9/2015	<0.0005	
4/23/2015	<0.0005	
7/30/2015	<0.0005	
3/8/2016	<0.0005	
5/4/2016	<0.0005	
7/18/2016	<0.0005	
9/13/2016	<0.0005	
10/27/2016	<0.0005	
1/13/2017	0.0001 (J)	
3/16/2017	<0.0005	
5/19/2017	<0.0005	
9/19/2017	<0.0005	
3/13/2018	<0.0005	
9/11/2018	<0.0005	
3/8/2019	<0.0005	
9/5/2019	<0.0005	
3/3/2020	<0.0005	
9/4/2020	<0.0005	
3/9/2021	<0.0005	
8/2/2021	<0.0005	
1/27/2022		<0.0005
8/9/2022		<0.0005
2/9/2023		<0.0005
8/3/2023		<0.0005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0028	
10/3/2014	<0.005	
10/20/2014	0.0029	
11/10/2014	0.0017	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0018	
7/28/2015	0.0015	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	0.0005 (J)	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	0.0008 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	0.0013 (J)	
3/2/2020	0.00047 (J)	
9/14/2020	<0.005	
3/26/2021	0.0006 (J)	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0015	
10/3/2014	0.0015	
10/20/2014	0.0011 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	<0.005	
5/3/2016	<0.005	
7/8/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/6/2017	<0.005	
3/14/2017	0.0006 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	0.018 (o)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0026	
10/3/2014	0.0021	
10/20/2014	0.0023	
11/10/2014	0.0022	
3/2/2015	0.0021	
3/17/2015	0.0022	
4/6/2015	0.0016	
4/22/2015	0.0013	
7/28/2015	0.0014	
3/2/2016	<0.005	
5/3/2016	<0.005	
7/7/2016	0.002 (J)	
9/8/2016	0.001 (J)	
10/25/2016	0.0028 (J)	
2/9/2017	0.0012 (J)	
3/23/2017	<0.005	
5/17/2017	0.0019 (J)	
9/19/2017	0.0022 (J)	
3/13/2018	0.0017 (J)	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	0.00155 (JD)	
3/2/2020	0.0014 (J)	
9/3/2020	0.0013 (J)	
2/24/2021	0.0018 (J)	
7/28/2021	0.0015 (J)	
1/25/2022		0.0014 (J)
8/5/2022		<0.005
2/8/2023		0.0012 (J)
8/2/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0033	
10/4/2014	0.0011 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	0.001 (J)	
7/29/2015	<0.005	
3/3/2016	<0.005	
5/10/2016	<0.005	
7/13/2016	0.0008 (J)	
9/15/2016	<0.005	
11/2/2016	<0.005	
1/11/2017	0.0012 (J)	
3/20/2017	0.0013 (J)	
5/23/2017	0.0007 (J)	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.0014 (J)	
9/9/2020	0.00056 (J)	
3/9/2021	0.0024 (J)	
7/30/2021	0.0017 (J)	
1/28/2022		0.0011 (J)
8/11/2022		<0.005
2/10/2023		0.0011 (J)
8/4/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0014	
3/3/2015	0.001 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
5/10/2016	<0.005	
7/14/2016	0.0035 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	0.0021 (J)	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	0.00063 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	0.0034	
10/21/2014	<0.01	
11/5/2014	0.0042	
3/3/2015	0.0038	
3/18/2015	0.0031	
4/7/2015	0.0037	
4/23/2015	0.0033	
7/29/2015	0.0033	
3/7/2016	<0.01 (o)	
5/5/2016	0.00385 (J)	
7/13/2016	0.0029 (J)	
9/13/2016	0.0029 (J)	
10/31/2016	0.0017 (J)	
1/12/2017	0.0025 (J)	
3/23/2017	<0.01 (o)	
5/23/2017	0.0029 (J)	
9/25/2017	0.0018 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	0.0017 (J)	
3/12/2019	<0.01	
9/9/2019	0.001 (J)	
3/6/2020	0.0019 (J)	
9/9/2020	0.001 (J)	
2/26/2021	0.0014 (J)	
7/29/2021	0.0014 (J)	
1/28/2022		0.0014 (J)
8/10/2022		0.0014 (J)
2/9/2023		0.0015 (J)
8/3/2023		0.0012 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.025 (o)	
10/21/2014	0.024 (o)	
11/11/2014	0.025 (o)	
3/3/2015	0.029 (o)	
3/18/2015	<0.005	
4/7/2015	0.008	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	0.0006 (J)	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	0.0005	
5/22/2017	0.0005	
9/21/2017	0.0008	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00053 (J)	
3/5/2020	0.0007 (J)	
9/9/2020	<0.005	
2/26/2021	0.00069 (J)	
7/29/2021	<0.005	
1/27/2022		0.0015 (J)
8/10/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	0.001 (J)	
10/21/2014	0.0011 (J)	
11/5/2014	0.001 (J)	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0005 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/11/2017	<0.005	
3/21/2017	<0.005	
5/22/2017	0.0005 (J)	
9/20/2017	0.0008 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	0.00056 (J)	
3/4/2020	0.001 (J)	
9/9/2020	<0.005	
2/26/2021	0.00067 (J)	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	0.001 (J)	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/14/2016	0.0008 (J)	
9/12/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	0.0011 (J)	
3/22/2017	<0.005	
5/22/2017	0.0007 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00071 (JD)	
3/5/2020	0.00075 (J)	
9/4/2020	0.00078 (J)	
3/9/2021	0.00094 (J)	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.001 (J)	
10/5/2014	0.0013	
10/22/2014	0.0016	
11/5/2014	0.0013	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.001 (J)	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/9/2016	<0.005	
7/15/2016	<0.005	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	<0.005	
5/23/2017	0.0004 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019	<0.005	
9/6/2019	0.00078 (J)	
3/3/2020	0.00058 (J)	
9/8/2020	0.0013 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/28/2022		<0.005
8/10/2022		0.0023 (J)
2/9/2023		0.0017 (J)
8/4/2023		0.0067

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/14/2016	<0.005	
9/12/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	0.0004 (J)	
5/23/2017	0.0005 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00057 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.0013	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	0.0012 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	0.0005 (J)	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	0.0023 (J)	
3/22/2017	<0.005	
5/24/2017	0.0011 (J)	
9/21/2017	0.0014 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	0.00086 (J)	
9/9/2020	<0.005	
3/10/2021	0.00073 (J)	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
5/5/2016	<0.005	
7/12/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/20/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00052 (J)	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	0.0005 (J)	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	0.0008 (J)	
5/19/2017	0.0006 (J)	
9/19/2017	0.0007 (J)	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.00044 (J)	
3/3/2020	0.00078 (J)	
9/4/2020	0.00073 (J)	
3/9/2021	0.00079 (J)	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0039	
10/3/2014	<0.005	
10/20/2014	0.0014	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0012 (J)	
7/28/2015	0.0012 (J)	
3/1/2016	<0.005	
5/2/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/25/2016	<0.005	
1/5/2017	<0.005	
3/14/2017	<0.005	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	0.00096 (J)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.00077 (J)	
10/3/2014	0.0013	
10/20/2014	0.001 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/1/2016	0.00202 (J)	
5/3/2016	<0.005	
7/8/2016	0.0004 (J)	
9/7/2016	0.0009 (J)	
10/25/2016	0.0022 (J)	
1/6/2017	0.0011 (J)	
3/14/2017	0.0009 (J)	
5/16/2017	<0.005	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/6/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0029	
10/20/2014	0.0022	
11/10/2014	0.0022	
3/17/2015	0.0044 (o)	
4/6/2015	0.002	
4/22/2015	0.0016	
7/28/2015	0.0017	
3/2/2016	<0.01 (o)	
5/3/2016	<0.01 (o)	
7/7/2016	0.0015 (J)	
9/8/2016	0.0018 (J)	
10/25/2016	0.0019 (J)	
2/9/2017	0.0017 (J)	
3/23/2017	0.0018 (J)	
5/17/2017	0.0016 (J)	
9/19/2017	0.0012 (J)	
3/13/2018	0.0013 (J)	
9/6/2018	0.00094 (J)	
3/7/2019	0.00087 (J)	
9/4/2019	0.000935 (JD)	
3/2/2020	0.0011 (J)	
9/3/2020	0.00091 (J)	
2/24/2021	0.0011 (J)	
7/28/2021	0.001 (J)	
1/25/2022		0.0011 (J)
8/5/2022		0.00095 (J)
2/8/2023		0.001 (J)
8/2/2023		0.001 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0026	
10/4/2014	0.0015	
10/21/2014	0.00099 (J)	
11/11/2014	0.00097 (J)	
3/3/2015	0.00078 (J)	
3/18/2015	0.00081 (J)	
4/6/2015	0.0011 (J)	
4/23/2015	0.0007 (J)	
7/29/2015	<0.005	
3/3/2016	0.00451 (JD)	
5/10/2016	0.00478 (J)	
7/13/2016	0.0003 (J)	
9/15/2016	0.0018 (J)	
11/2/2016	0.0022 (J)	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/23/2017	0.001 (J)	
9/21/2017	0.0006 (J)	
3/14/2018	0.00058 (J)	
9/7/2018	0.0034 (J)	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	<0.005	
9/9/2020	0.00069 (J)	
3/9/2021	0.00047 (J)	
7/30/2021	0.00052 (J)	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0005 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	0.00076 (J)	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/13/2016	<0.005	
10/31/2016	<0.005	
1/12/2017	<0.005	
3/23/2017	<0.005	
5/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00063 (J)	
10/21/2014	0.00058 (J)	
11/11/2014	0.00058 (J)	
3/3/2015	0.00056 (J)	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
5/5/2016	<0.005	
7/13/2016	<0.005	
9/12/2016	<0.005	
11/1/2016	<0.005	
1/11/2017	<0.005	
3/20/2017	<0.005	
5/22/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	0.0183 (J)	
5/9/2016	0.00239 (J)	
7/15/2016	0.0008 (J)	
9/9/2016	<0.005	
10/27/2016	<0.005	
1/12/2017	<0.005	
3/21/2017	0.0005 (J)	
5/23/2017	<0.005	
9/19/2017	<0.005	
3/14/2018	0.00083 (J)	
9/10/2018	0.00071 (J)	
3/11/2019	0.00056 (J)	
9/6/2019	0.00051 (J)	
3/3/2020	<0.005	
9/8/2020	<0.005	
3/9/2021	0.0004 (J)	
8/2/2021	0.00048 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
5/5/2016	<0.01	
7/14/2016	<0.01	
9/12/2016	<0.01	
10/27/2016	<0.01	
1/13/2017	<0.01	
3/20/2017	<0.01	
5/23/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/5/2019	0.0012 (J)	
3/3/2020	0.00078 (J)	
9/8/2020	0.00087 (J)	
3/9/2021	0.00066 (J)	
8/2/2021	0.00045 (J)	
1/27/2022		0.0011 (J)
8/10/2022		0.00078 (J)
2/9/2023		0.00043 (J)
8/3/2023		0.00047 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		0.00047 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.0006 (J)	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
5/4/2016	<0.005	
7/18/2016	<0.005	
9/13/2016	<0.005	
10/27/2016	<0.005	
1/13/2017	<0.005	
3/16/2017	<0.005	
5/19/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	0.0012 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0049 (J)	
10/3/2014	<0.005	
10/20/2014	0.0024 (J)	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	<0.005	
4/21/2015	0.0017 (J)	
7/28/2015	0.00097 (J)	
3/1/2016	<0.005	
7/6/2016	<0.005	
3/14/2017	0.0003 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00043 (J)	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	<0.005	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.021	
10/20/2014	0.022	
11/10/2014	0.02	
3/2/2015	0.015	
3/17/2015	0.016	
4/5/2015	0.016	
4/22/2015	0.013	
7/28/2015	0.02	
3/1/2016	0.0103 (J)	
7/8/2016	0.0152 (J)	
3/14/2017	0.0085 (J)	
9/15/2017	0.0058 (J)	
3/12/2018	0.0053 (J)	
9/6/2018	0.0054 (J)	
3/6/2019	<0.025	
9/4/2019	0.0082 (J)	
3/2/2020	0.0068 (J)	
9/3/2020	0.0067 (J)	
2/24/2021	0.0083	
7/28/2021	0.014	
1/26/2022		0.013
8/8/2022		0.0087
2/8/2023		0.011
8/2/2023		0.014

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.005	
10/3/2014	0.00089 (J)	
10/20/2014	0.00087 (J)	
11/10/2014	<0.005	
3/2/2015	0.004 (J)	
3/17/2015	0.0016 (J)	
4/6/2015	0.00083 (J)	
4/22/2015	0.00085 (J)	
7/28/2015	<0.005	
3/2/2016	<0.005	
7/7/2016	<0.005	
3/23/2017	<0.005	
9/19/2017	0.0004 (J)	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00019 (J)	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0042 (J)	
10/4/2014	0.0024 (J)	
10/21/2014	0.002 (J)	
11/11/2014	0.0021 (J)	
3/3/2015	0.0017 (J)	
3/18/2015	0.0019 (J)	
4/6/2015	0.0014 (J)	
4/23/2015	0.0022 (J)	
7/29/2015	0.00098 (J)	
3/3/2016	<0.005	
7/13/2016	0.0022 (J)	
3/20/2017	0.002 (J)	
9/21/2017	0.0018 (J)	
3/14/2018	0.0017 (J)	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	0.00082 (J)	
3/4/2020	0.0024 (J)	
9/9/2020	<0.005	
3/9/2021	0.0025 (J)	
7/30/2021	0.0024 (J)	
1/28/2022		0.00088 (J)
8/11/2022		<0.005
2/10/2023		0.0012 (J)
8/4/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	0.0012 (J)	
10/21/2014	0.0011 (J)	
11/11/2014	0.0015 (J)	
3/3/2015	0.0012 (J)	
3/18/2015	<0.005	
4/6/2015	0.00083 (J)	
4/23/2015	0.0012 (J)	
7/29/2015	<0.005	
3/4/2016	<0.005	
7/14/2016	0.0124 (J)	
3/21/2017	0.0005 (J)	
9/22/2017	0.0007 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	0.00023 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/23/2017	<0.005	
9/25/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	0.00023 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.005	
10/4/2014	0.00086 (J)	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	0.0003 (J)	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	0.0006 (J)	
9/20/2017	0.0003 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.00036 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/14/2016	<0.005	
3/22/2017	<0.005	
9/19/2017	0.0008 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.005	
10/5/2014	0.0016 (J)	
10/22/2014	0.0018 (J)	
11/5/2014	0.0015 (J)	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	0.0016 (J)	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/15/2016	0.0009 (J)	
3/21/2017	0.0009 (J)	
9/19/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/11/2019	<0.005	
9/6/2019	0.01 (J)	
3/3/2020	0.00049 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	0.00081 (J)	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		0.0011 (J)
8/4/2023		0.0016 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/20/2017	0.0012 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00022 (J)	
9/8/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	0.001 (J)	
3/4/2015	0.0014 (J)	
3/20/2015	<0.005	
4/8/2015	0.0014 (J)	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
7/15/2016	<0.005	
3/22/2017	0.0005 (J)	
9/21/2017	0.0005 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00037 (J)	
3/5/2020	0.0003 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		0.00068 (J)
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	0.0011 (J)	
7/30/2015	<0.005	
3/4/2016	<0.005	
7/12/2016	<0.005	
3/20/2017	0.0003 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	0.001 (JD)	
3/3/2020	0.00097 (J)	
9/9/2020	0.0017 (J)	
3/9/2021	<0.005	
7/29/2021	0.00051 (J)	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/18/2016	<0.005	
3/16/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	0.00027 (J)	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0069 (Jo)	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	0.0004 (J)	
9/7/2016	<0.001	
10/25/2016	0.0001 (J)	
1/5/2017	0.0002 (J)	
3/14/2017	0.0003 (J)	
5/16/2017	<0.001	
9/15/2017	8E-05 (J)	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	0.00031 (J)	
9/14/2020	0.00065 (J)	
3/26/2021	0.00095 (J)	
7/27/2021	<0.001	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	<0.001	
4/5/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/3/2016	<0.001	
7/8/2016	0.0001 (J)	
9/7/2016	0.0001 (J)	
10/25/2016	<0.001	
1/6/2017	<0.001	
3/14/2017	0.0001 (J)	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/6/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/3/2020	<0.001	
2/24/2021	<0.001	
7/28/2021	0.13 (o)	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001
8/2/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	<0.001	
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	0.0047 (J)	
3/17/2015	<0.001	
4/6/2015	<0.001	
4/22/2015	<0.001	
7/28/2015	<0.001	
3/2/2016	<0.001	
5/3/2016	<0.001	
7/7/2016	0.0001 (J)	
9/8/2016	0.0001 (J)	
10/25/2016	0.0002 (J)	
2/9/2017	<0.001	
3/23/2017	0.0001 (J)	
5/17/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/3/2020	<0.001	
2/24/2021	<0.001	
7/28/2021	<0.001	
1/25/2022		<0.001
8/5/2022		<0.001
2/8/2023		<0.001
8/2/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/3/2016	<0.001	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0001 (J)	
3/20/2017	<0.001	
5/23/2017	8E-05 (J)	
9/21/2017	9E-05 (J)	
3/14/2018	<0.001	
9/7/2018	<0.001	
3/11/2019	<0.001	
9/9/2019	<0.001	
3/4/2020	<0.001	
9/9/2020	0.00017 (J)	
3/9/2021	0.00011 (J)	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001
8/4/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/6/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/4/2016	<0.001	
5/10/2016	<0.001	
7/14/2016	0.0006 (J)	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	<0.001	
9/22/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/10/2019	<0.001	
3/5/2020	<0.001	
9/9/2020	<0.001	
3/10/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	0.0001 (J)	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	0.0002 (J)	
3/23/2017	0.0002 (J)	
5/23/2017	0.0002 (J)	
9/25/2017	8E-05 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	5E-05 (J)	
3/6/2020	0.00013 (J)	
9/9/2020	6E-05 (J)	
2/26/2021	9.4E-05 (J)	
7/29/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/11/2014	<0.001	
3/3/2015	<0.001	
3/18/2015	<0.001	
4/7/2015	<0.001	
4/23/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/12/2016	0.0002 (J)	
11/1/2016	0.0001 (J)	
1/11/2017	<0.001	
3/20/2017	7E-05 (J)	
5/22/2017	<0.001	
9/21/2017	0.0003 (J)	
3/14/2018	0.00035 (J)	
9/7/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	<0.001	
3/5/2020	0.00032 (J)	
9/9/2020	0.00025 (J)	
2/26/2021	0.00025 (J)	
7/29/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001
8/4/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.001	
10/4/2014	<0.001	
10/21/2014	<0.001	
11/5/2014	<0.001	
3/3/2015	<0.001	
3/19/2015	<0.001	
4/7/2015	<0.001	
4/24/2015	<0.001	
7/29/2015	<0.001	
3/7/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	9E-05 (J)	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/11/2017	<0.001	
3/21/2017	7E-05 (J)	
5/22/2017	<0.001	
9/20/2017	0.0004 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	<0.001	
3/4/2020	0.0003 (J)	
9/9/2020	<0.001	
2/26/2021	<0.001	
8/5/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001
8/4/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/19/2015	<0.001	
4/8/2015	<0.001	
4/24/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	6E-05 (J)	
5/23/2017	<0.001	
9/19/2017	<0.001	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019	<0.001	
9/6/2019	0.0016 (J)	
3/3/2020	<0.001	
9/8/2020	6.7E-05 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001
8/4/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/19/2015	<0.001	
4/8/2015	<0.001	
4/24/2015	<0.001	
7/30/2015	<0.001	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	0.0001 (J)	
3/20/2017	7E-05 (J)	
5/23/2017	<0.001	
9/19/2017	0.0001 (J)	
3/13/2018	<0.001	
9/7/2018	<0.001	
3/11/2019	<0.001	
9/5/2019	<0.001	
3/3/2020	5.9E-05 (J)	
9/8/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.001	
10/5/2014	<0.001	
10/22/2014	<0.001	
11/5/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/9/2016	<0.001	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	<0.001	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/24/2017	0.0001 (J)	
9/21/2017	<0.001	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	6.8E-05 (J)	
3/5/2020	5.2E-05 (J)	
9/9/2020	<0.001	
3/10/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/8/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/4/2016	<0.001	
5/5/2016	<0.001	
7/12/2016	<0.001	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	0.0001 (J)	
5/19/2017	<0.001	
9/19/2017	0.0002 (J)	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019	<0.001	
9/5/2019	9.05E-05 (JD)	
3/3/2020	5.7E-05 (J)	
9/9/2020	0.0001 (J)	
3/9/2021	<0.001	
7/29/2021	<0.001	
1/28/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.001	
10/4/2014	<0.001	
10/23/2014	<0.001	
11/10/2014	<0.001	
3/4/2015	<0.001	
3/20/2015	<0.001	
4/9/2015	<0.001	
4/23/2015	<0.001	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/4/2016	<0.001	
7/18/2016	0.0001 (J)	
9/13/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/16/2017	0.0003 (J)	
5/19/2017	0.0001 (J)	
9/19/2017	<0.001	
3/13/2018	<0.001	
9/11/2018	<0.001	
3/8/2019	0.00035 (J)	
9/5/2019	6E-05 (J)	
3/3/2020	5.9E-05 (J)	
9/4/2020	0.00012 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/9/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.000172 (J)	
10/3/2014	<0.0002	
10/20/2014	<0.0002	
11/10/2014	3.84E-05 (J)	
3/2/2015	<0.0002	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/21/2015	2.39E-05 (J)	
7/28/2015	5.2E-05 (J)	
3/1/2016	<0.0002	
5/2/2016	<0.0002	
7/6/2016	<0.0002	
9/7/2016	<0.0002	
10/25/2016	<0.0002	
1/5/2017	<0.0002	
3/14/2017	<0.0002	
5/16/2017	<0.0002	
9/15/2017	<0.0002	
3/12/2018	<0.0002	
9/6/2018	<0.0002	
3/7/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/14/2020	<0.0002	
3/26/2021	<0.0002	
7/27/2021	<0.0002	
1/26/2022		<0.0002
8/8/2022		<0.0002
2/8/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	4.23E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	3.87E-05 (J)	
11/10/2014	3.34E-05 (J)	
3/2/2015	<0.0002	
3/17/2015	<0.0002	
4/5/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/1/2016	<0.0002	
5/3/2016	<0.0002	
7/8/2016	<0.0002	
9/7/2016	<0.0002	
10/25/2016	<0.0002	
1/6/2017	<0.0002	
3/14/2017	<0.0002	
5/16/2017	<0.0002	
9/15/2017	<0.0002	
3/12/2018	<0.0002	
9/6/2018	<0.0002	
3/6/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/3/2020	<0.0002	
2/24/2021	9.1E-05 (J)	
7/28/2021	<0.0002	
1/26/2022		<0.0002
8/8/2022		<0.0002
2/8/2023		<0.0002
8/2/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	2.75E-05 (J)	
10/3/2014	<0.0002	
10/20/2014	4.07E-05 (J)	
11/10/2014	6.86E-05 (J)	
3/2/2015	3.07E-05 (J)	
3/17/2015	<0.0002	
4/6/2015	<0.0002	
4/22/2015	<0.0002	
7/28/2015	<0.0002	
3/2/2016	<0.0002	
5/3/2016	<0.0002	
7/7/2016	<0.0002	
9/8/2016	<0.0002	
10/25/2016	<0.0002	
2/9/2017	<0.0002	
3/23/2017	<0.0002	
5/17/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/6/2018	<0.0002	
3/7/2019	<0.0002	
9/4/2019	<0.0002	
3/2/2020	<0.0002	
9/3/2020	<0.0002	
2/24/2021	0.00013 (J)	
7/28/2021	<0.0002	
1/25/2022		<0.0002
8/5/2022		<0.0002
2/8/2023		<0.0002
8/2/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	2.69E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	3.18E-05 (J)	
11/11/2014	<0.0002	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/3/2016	<0.0002	
5/10/2016	<0.0002	
7/13/2016	<0.0002	
9/15/2016	<0.0002	
11/2/2016	<0.0002	
1/11/2017	<0.0002	
3/20/2017	<0.0002	
5/23/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/7/2018	<0.0002	
3/11/2019	<0.0002	
9/9/2019	<0.0002	
3/4/2020	<0.0002	
9/9/2020	<0.0002	
3/9/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002
8/4/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	2.97E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.02E-05 (J)	
11/11/2014	3.66E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/6/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/4/2016	<0.0002	
5/10/2016	<0.0002	
7/14/2016	<0.0002	
9/14/2016	<0.0002	
11/1/2016	<0.0002	
1/11/2017	<0.0002	
3/21/2017	<0.0002	
5/23/2017	<0.0002	
9/22/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/10/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
3/10/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	4.24E-05 (J)	
10/4/2014	2.5E-05 (J)	
10/21/2014	6.4E-05 (J)	
11/5/2014	7.02E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	3.14E-05 (J)	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/13/2016	<0.0002	
9/13/2016	<0.0002	
10/31/2016	<0.0002	
1/12/2017	<0.0002	
3/23/2017	<0.0002	
5/23/2017	<0.0002	
9/25/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/9/2019	<0.0002	
3/6/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
7/29/2021	<0.0002	
1/28/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	3.5E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.35E-05 (J)	
11/11/2014	4.64E-05 (J)	
3/3/2015	<0.0002	
3/18/2015	<0.0002	
4/7/2015	<0.0002	
4/23/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/13/2016	<0.0002	
9/12/2016	<0.0002	
11/1/2016	<0.0002	
1/11/2017	<0.0002	
3/20/2017	<0.0002	
5/22/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/7/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
7/29/2021	<0.0002	
1/27/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002
8/4/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	4.15E-05 (J)	
10/4/2014	<0.0002	
10/21/2014	5.89E-05 (J)	
11/5/2014	7.28E-05 (J)	
3/3/2015	<0.0002	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/29/2015	<0.0002	
3/7/2016	<0.0002	
5/9/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/31/2016	<0.0002	
1/11/2017	<0.0002	
3/21/2017	<0.0002	
5/22/2017	<0.0002	
9/20/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/12/2019	<0.0002	
9/9/2019	<0.0002	
3/4/2020	<0.0002	
9/9/2020	<0.0002	
2/26/2021	<0.0002	
8/5/2021	9.4E-05 (J)	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002
8/4/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	5.34E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	4.88E-05 (J)	
11/5/2014	2.85E-05 (J)	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/7/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/9/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/31/2016	<0.0002	
1/12/2017	<0.0002	
3/22/2017	<0.0002	
5/22/2017	<0.0002	
9/19/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/4/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/10/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.0002	
10/5/2014	<0.0002	
10/22/2014	2.57E-05 (J)	
11/5/2014	<0.0002	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/9/2016	<0.0002	
7/15/2016	<0.0002	
9/9/2016	<0.0002	
10/27/2016	<0.0002	
1/12/2017	<0.0002	
3/21/2017	<0.0002	
5/23/2017	<0.0002	
9/19/2017	<0.0002	
3/14/2018	<0.0002	
9/10/2018	<0.0002	
3/11/2019	<0.0002	
9/6/2019	<0.0002	
3/3/2020	<0.0002	
9/8/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/28/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002
8/4/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	2.54E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	2.83E-05 (J)	
11/5/2014	0.0002	
3/4/2015	<0.0002	
3/19/2015	<0.0002	
4/8/2015	<0.0002	
4/24/2015	<0.0002	
7/30/2015	<0.0002	
3/7/2016	<0.0002	
5/5/2016	<0.0002	
7/14/2016	<0.0002	
9/12/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/20/2017	<0.0002	
5/23/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/7/2018	<0.0002	
3/11/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/8/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/10/2022		<0.0002
2/9/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	2.82E-05 (J)	
10/5/2014	<0.0002	
10/22/2014	<0.0002	
11/5/2014	4.83E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/9/2016	<0.0002	
5/6/2016	<0.0002	
7/15/2016	<0.0002	
9/14/2016	<0.0002	
11/1/2016	<0.0002	
1/25/2017	<0.0002	
3/22/2017	<0.0002	
5/24/2017	<0.0002	
9/21/2017	<0.0002	
3/14/2018	<0.0002	
9/11/2018	<0.0002	
3/12/2019	<0.0002	
9/6/2019	<0.0002	
3/5/2020	<0.0002	
9/9/2020	<0.0002	
3/10/2021	<0.0002	
7/30/2021	<0.0002	
1/28/2022		<0.0002
8/11/2022		<0.0002
2/10/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	2.81E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	<0.0002	
11/10/2014	5.15E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/8/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/4/2016	<0.0002	
5/5/2016	<0.0002	
7/12/2016	<0.0002	
9/13/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/20/2017	<0.0002	
5/19/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/11/2018	<0.0002	
3/8/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/9/2020	<0.0002	
3/9/2021	<0.0002	
7/29/2021	<0.0002	
1/28/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	3.13E-05 (J)	
10/4/2014	<0.0002	
10/23/2014	4.6E-05 (J)	
11/10/2014	2.5E-05 (J)	
3/4/2015	<0.0002	
3/20/2015	<0.0002	
4/9/2015	<0.0002	
4/23/2015	<0.0002	
7/30/2015	<0.0002	
3/8/2016	<0.0002	
5/4/2016	<0.0002	
7/18/2016	<0.0002	
9/13/2016	<0.0002	
10/27/2016	<0.0002	
1/13/2017	<0.0002	
3/16/2017	<0.0002	
5/19/2017	<0.0002	
9/19/2017	<0.0002	
3/13/2018	<0.0002	
9/11/2018	<0.0002	
3/8/2019	<0.0002	
9/5/2019	<0.0002	
3/3/2020	<0.0002	
9/4/2020	<0.0002	
3/9/2021	<0.0002	
8/2/2021	<0.0002	
1/27/2022		<0.0002
8/9/2022		<0.0002
2/9/2023		<0.0002
8/3/2023		<0.0002

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.01	
10/3/2014	<0.005	
10/20/2014	0.0043	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/5/2015	0.0016 (J)	
4/21/2015	0.0033	
7/28/2015	0.0032	
3/1/2016	<0.005	
7/6/2016	0.0007 (J)	
3/14/2017	0.0007 (J)	
9/15/2017	<0.005	
3/12/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005	
3/2/2020	0.00051 (J)	
9/14/2020	<0.005	
3/26/2021	<0.005	
7/27/2021	0.0017 (J)	
1/26/2022		<0.005
8/8/2022		<0.005
2/8/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.018	
10/3/2014	0.022	
10/20/2014	0.022	
11/10/2014	0.018	
3/2/2015	0.016	
3/17/2015	0.015	
4/5/2015	0.016	
4/22/2015	0.016	
7/28/2015	0.018	
3/1/2016	0.0138	
7/8/2016	0.014	
3/14/2017	0.0087 (J)	
9/15/2017	0.0053 (J)	
3/12/2018	0.0054 (J)	
9/6/2018	0.0069 (J)	
3/6/2019	<0.01	
9/4/2019	0.0059 (J)	
3/2/2020	0.0079 (J)	
9/3/2020	0.0096 (J)	
2/24/2021	0.01	
7/28/2021	0.019	
1/26/2022		0.016
8/8/2022		0.0097
2/8/2023		0.012
8/2/2023		0.013

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0028	
10/3/2014	0.0036	
10/20/2014	0.0025	
11/10/2014	0.0026	
3/2/2015	0.017	
3/17/2015	0.0057	
4/6/2015	0.0022 (J)	
4/22/2015	0.0015 (J)	
7/28/2015	0.0015 (J)	
3/2/2016	<0.01	
7/7/2016	0.0014 (J)	
3/23/2017	<0.01	
9/19/2017	0.0011 (J)	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	0.000825 (JD)	
3/2/2020	0.001 (J)	
9/3/2020	0.00089 (J)	
2/24/2021	0.00091 (J)	
7/28/2021	0.00096 (J)	
1/25/2022		0.00093 (J)
8/5/2022		0.00085 (J)
2/8/2023		0.00091 (J)
8/2/2023		0.0009 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.03	
10/4/2014	0.029	
10/21/2014	0.026	
11/11/2014	0.023	
3/3/2015	0.02	
3/18/2015	0.019	
4/6/2015	0.02	
4/23/2015	0.019	
7/29/2015	0.018	
3/3/2016	0.0111	
7/13/2016	0.0133	
3/20/2017	0.0111	
9/21/2017	0.0092 (J)	
3/14/2018	0.0094 (J)	
9/7/2018	0.0086 (J)	
3/11/2019	<0.01	
9/9/2019	0.0066 (J)	
3/4/2020	0.0032 (J)	
9/9/2020	0.0067 (J)	
3/9/2021	0.0053	
7/30/2021	0.0073	
1/28/2022		0.0063
8/11/2022		0.0077
2/10/2023		0.005
8/4/2023		0.0091

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	0.0016 (J)	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	0.0014 (J)	
4/23/2015	<0.005	
7/29/2015	0.0015 (J)	
3/7/2016	<0.005	
7/13/2016	0.0007 (J)	
3/23/2017	<0.005	
9/25/2017	0.0015 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/6/2020	0.0005 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/5/2014	<0.005	
3/3/2015	<0.005	
3/19/2015	<0.005	
4/7/2015	<0.005	
4/24/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	<0.005	
9/20/2017	0.0006 (J)	
3/14/2018	<0.005	
9/10/2018	<0.005	
3/12/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	0.00071 (J)	
9/9/2020	<0.005	
2/26/2021	<0.005	
8/5/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.0013 (J)	
11/5/2014	0.0013 (J)	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	0.0014 (J)	
4/24/2015	0.0014 (J)	
7/30/2015	<0.01	
3/8/2016	0.0261 (o)	
7/15/2016	0.0021 (J)	
3/21/2017	<0.01	
9/19/2017	0.0012 (J)	
3/14/2018	0.0014 (J)	
9/10/2018	0.002 (J)	
3/11/2019	<0.01	
9/6/2019	0.0028 (J)	
3/3/2020	0.00099 (J)	
9/8/2020	0.0014 (J)	
3/9/2021	0.00075 (J)	
8/2/2021	0.0015 (J)	
1/28/2022		0.0014 (J)
8/10/2022		0.0014 (J)
2/9/2023		0.0011 (J)
8/4/2023		0.00098 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/19/2015	<0.005	
4/8/2015	<0.005	
4/24/2015	<0.005	
7/30/2015	<0.005	
3/7/2016	<0.005	
7/14/2016	<0.005	
3/20/2017	<0.005	
9/19/2017	0.0011 (J)	
3/13/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/5/2019	0.0011 (J)	
3/3/2020	0.001 (J)	
9/8/2020	0.00083 (J)	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		0.00076 (J)
8/10/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
7/15/2016	<0.005	
3/22/2017	<0.005	
9/21/2017	0.0012 (J)	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	0.00086 (J)	
3/5/2020	0.00075 (J)	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		0.0011 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/4/2016	<0.005	
7/12/2016	<0.005	
3/20/2017	0.0003 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/29/2021	<0.005	
1/28/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/23/2014	<0.005	
11/10/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/9/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/8/2016	<0.005	
7/18/2016	<0.005	
3/16/2017	0.0012 (J)	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/11/2018	<0.005	
3/8/2019	<0.005	
9/5/2019	<0.005	
3/3/2020	<0.005	
9/4/2020	<0.005	
3/9/2021	<0.005	
8/2/2021	<0.005	
1/27/2022		<0.005
8/9/2022		<0.005
2/9/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.005	
10/5/2014	<0.005	
10/22/2014	<0.005	
11/5/2014	<0.005	
3/4/2015	<0.005	
3/20/2015	<0.005	
4/8/2015	<0.005	
4/23/2015	<0.005	
7/30/2015	<0.005	
3/9/2016	<0.005	
5/6/2016	<0.005	
7/15/2016	<0.005	
9/14/2016	<0.005	
11/1/2016	<0.005	
1/25/2017	<0.005	
3/22/2017	<0.005	
5/24/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	0.0017 (J)	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.00051 (J)	
10/3/2014	<0.005	
10/20/2014	<0.005	
11/10/2014	<0.005	
3/2/2015	<0.005	
3/17/2015	<0.005	
4/6/2015	<0.005	
4/22/2015	<0.005	
7/28/2015	<0.005	
3/2/2016	<0.005	
7/7/2016	<0.005	
3/23/2017	<0.005	
9/19/2017	<0.005	
3/13/2018	<0.005	
9/6/2018	<0.005	
3/7/2019	<0.005	
9/4/2019	<0.005 (D)	
3/2/2020	<0.005	
9/3/2020	<0.005	
2/24/2021	<0.005	
7/28/2021	<0.005	
1/25/2022		<0.005
8/5/2022		<0.005
2/8/2023		<0.005
8/2/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/6/2015	0.0013 (J)	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/3/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/11/2019	<0.005	
9/9/2019	<0.005	
3/4/2020	<0.005	
9/9/2020	<0.005	
3/9/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.005	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	0.0007 (J)	
3/3/2015	0.00052 (J)	
3/18/2015	<0.005	
4/6/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/4/2016	<0.005	
7/14/2016	<0.005	
3/21/2017	<0.005	
9/22/2017	<0.005	
3/14/2018	<0.005	
9/11/2018	<0.005	
3/12/2019	<0.005	
9/10/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
3/10/2021	<0.005	
7/30/2021	<0.005	
1/28/2022		<0.005
8/11/2022		<0.005
2/10/2023		<0.005
8/3/2023		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.00058 (J)	
10/4/2014	<0.005	
10/21/2014	<0.005	
11/11/2014	<0.005	
3/3/2015	<0.005	
3/18/2015	<0.005	
4/7/2015	<0.005	
4/23/2015	<0.005	
7/29/2015	<0.005	
3/7/2016	<0.005	
7/13/2016	<0.005	
3/20/2017	<0.005	
9/21/2017	<0.005	
3/14/2018	<0.005	
9/7/2018	<0.005	
3/12/2019	<0.005	
9/6/2019	<0.005	
3/5/2020	<0.005	
9/9/2020	<0.005	
2/26/2021	<0.005	
7/29/2021	<0.005	
1/27/2022		<0.005
8/10/2022		<0.005
2/9/2023		<0.005
8/4/2023		<0.005

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
10/3/2014	<0.001	
10/20/2014	<0.001	
11/10/2014	<0.001	
3/2/2015	<0.001	
3/17/2015	0.0001 (J)	
4/5/2015	7E-05 (J)	
4/21/2015	<0.001	
7/28/2015	<0.001	
3/1/2016	<0.001	
5/2/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/25/2016	<0.001	
1/5/2017	<0.001	
3/14/2017	<0.001	
5/16/2017	<0.001	
9/15/2017	<0.001	
3/12/2018	<0.001	
9/6/2018	<0.001	
3/7/2019	<0.001	
9/4/2019	<0.001	
3/2/2020	<0.001	
9/14/2020	<0.001	
3/26/2021	<0.001	
7/27/2021	<0.001	
1/26/2022		<0.001
8/8/2022		<0.001
2/8/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0004 (J)	
10/4/2014	0.0004 (J)	
10/21/2014	0.0004 (J)	
11/11/2014	0.0005 (J)	
3/3/2015	0.0004 (J)	
3/18/2015	0.0005 (J)	
4/6/2015	0.0004 (J)	
4/23/2015	0.0004 (J)	
7/29/2015	0.0003 (J)	
3/3/2016	0.002222 (JD)	
5/10/2016	<0.001	
7/13/2016	<0.001	
9/15/2016	<0.001	
11/2/2016	<0.001	
1/11/2017	0.0003 (J)	
3/20/2017	0.0003 (J)	
5/23/2017	0.0003 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	0.00018 (J)	
9/7/2018	0.00016 (J)	
3/11/2019	0.00026 (J)	
9/9/2019	6E-05 (J)	
3/4/2020	0.00014 (J)	
9/9/2020	<0.001	
3/9/2021	<0.001	
7/30/2021	<0.001	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001
8/4/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.0002 (J)	
10/4/2014	0.0002 (J)	
10/21/2014	0.0002 (J)	
11/5/2014	0.0003 (J)	
3/3/2015	0.0002 (J)	
3/18/2015	0.0002 (J)	
4/7/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/29/2015	0.0002 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/13/2016	<0.001	
9/13/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/23/2017	0.0001 (J)	
5/23/2017	0.0001 (J)	
9/25/2017	0.0001 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/9/2019	<0.001	
3/6/2020	7.6E-05 (J)	
9/9/2020	<0.001	
2/26/2021	<0.001	
7/29/2021	<0.001	
1/28/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0001 (J)	
10/5/2014	0.0001 (J)	
10/22/2014	0.0001 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/7/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	<0.001	
3/8/2016	<0.001	
5/9/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/31/2016	<0.001	
1/12/2017	<0.001	
3/22/2017	4E-05 (J)	
5/22/2017	5E-05 (J)	
9/19/2017	6E-05 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	<0.001	
3/5/2020	<0.001	
9/4/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/9/2022		<0.001
2/10/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0002 (J)	
10/5/2014	0.0002 (J)	
10/22/2014	0.0002 (J)	
11/5/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/19/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/24/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/8/2016	<0.001	
5/9/2016	0.000353 (J)	
7/15/2016	<0.001	
9/9/2016	<0.001	
10/27/2016	<0.001	
1/12/2017	<0.001	
3/21/2017	<0.001	
5/23/2017	0.0002 (J)	
9/19/2017	0.0002 (J)	
3/14/2018	<0.001	
9/10/2018	<0.001	
3/11/2019	<0.001	
9/6/2019	0.0002 (J)	
3/3/2020	7.1E-05 (J)	
9/8/2020	<0.001	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/28/2022		0.00021 (J)
8/10/2022		0.00031 (J)
2/9/2023		0.00029 (J)
8/4/2023		0.00022 (J)

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.001	
10/5/2014	0.0001 (J)	
10/22/2014	<0.001	
11/5/2014	0.0001 (J)	
3/4/2015	0.0001 (J)	
3/19/2015	0.0001 (J)	
4/8/2015	0.0001 (J)	
4/24/2015	0.0001 (J)	
7/30/2015	0.0001 (J)	
3/7/2016	<0.001	
5/5/2016	<0.001	
7/14/2016	<0.001	
9/12/2016	<0.001	
10/27/2016	<0.001	
1/13/2017	<0.001	
3/20/2017	<0.001	
5/23/2017	0.0001 (J)	
9/19/2017	8E-05 (J)	
3/13/2018	0.00017 (J)	
9/7/2018	<0.001	
3/11/2019	0.00015 (J)	
9/5/2019	5.5E-05 (J)	
3/3/2020	7.2E-05 (J)	
9/8/2020	0.00016 (J)	
3/9/2021	<0.001	
8/2/2021	<0.001	
1/27/2022		<0.001
8/10/2022		<0.001
2/9/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0002 (J)	
10/5/2014	0.0003 (J)	
10/22/2014	0.0002 (J)	
3/4/2015	0.0002 (J)	
3/20/2015	0.0002 (J)	
4/8/2015	0.0002 (J)	
4/23/2015	0.0002 (J)	
7/30/2015	0.0001 (J)	
3/9/2016	0.0033 (Jo)	
5/6/2016	<0.001	
7/15/2016	<0.001	
9/14/2016	0.0002 (J)	
11/1/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	0.0001 (J)	
5/24/2017	0.0001 (J)	
9/21/2017	0.0002 (J)	
3/14/2018	<0.001	
9/11/2018	<0.001	
3/12/2019	<0.001	
9/6/2019	0.0003 (J)	
3/5/2020	0.00018 (J)	
9/9/2020	0.00016 (J)	
3/10/2021	<0.001	
7/30/2021	0.00023 (J)	
1/28/2022		<0.001
8/11/2022		<0.001
2/10/2023		<0.001
8/3/2023		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.0073	
10/3/2014	<0.01	
10/20/2014	0.0045 (J)	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	0.0014 (J)	
4/21/2015	0.0029 (J)	
7/28/2015	0.0031 (J)	
3/1/2016	<0.01	
7/6/2016	<0.01	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	<0.01	
3/2/2020	<0.01	
9/14/2020	<0.01	
3/26/2021	<0.01	
7/27/2021	<0.01	
1/26/2022		<0.01
8/8/2022		<0.01
2/8/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	<0.01	
10/3/2014	<0.01	
10/20/2014	<0.01	
11/10/2014	<0.01	
3/2/2015	<0.01	
3/17/2015	<0.01	
4/5/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/1/2016	<0.01	
7/8/2016	0.0028 (J)	
3/14/2017	<0.01	
9/15/2017	<0.01	
3/12/2018	<0.01	
9/6/2018	<0.01	
3/6/2019	<0.01	
9/4/2019	0.00073 (J)	
3/2/2020	0.00074 (J)	
9/3/2020	<0.01	
2/24/2021	<0.01	
7/28/2021	<0.01	
1/26/2022		<0.01
8/8/2022		<0.01
2/8/2023		<0.01
8/2/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.00085 (J)	
10/3/2014	0.00096 (J)	
10/20/2014	<0.01	
11/10/2014	0.00095 (J)	
3/2/2015	0.0041 (J)	
3/17/2015	0.0018 (J)	
4/6/2015	<0.01	
4/22/2015	<0.01	
7/28/2015	<0.01	
3/2/2016	<0.01	
7/7/2016	<0.01	
3/23/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/6/2018	<0.01	
3/7/2019	<0.01	
9/4/2019	0.00538 (JD)	
3/2/2020	0.0014 (J)	
9/3/2020	<0.01	
2/24/2021	<0.01	
7/28/2021	<0.01	
1/25/2022		<0.01
8/5/2022		<0.01
2/8/2023		<0.01
8/2/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.0019 (J)	
10/4/2014	0.005	
10/21/2014	0.00089 (J)	
11/11/2014	<0.01	
3/3/2015	0.00093 (J)	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/3/2016	<0.01	
7/13/2016	0.0021 (J)	
3/20/2017	0.0019 (J)	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/9/2019	0.00091 (J)	
3/4/2020	0.0023 (J)	
9/9/2020	<0.01	
3/9/2021	0.003 (J)	
7/30/2021	0.0022 (J)	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		0.003 (J)
8/4/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/11/2014	0.0012 (J)	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/6/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/4/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/22/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/10/2019	<0.01	
3/5/2020	<0.01	
9/9/2020	<0.01	
3/10/2021	<0.01	
7/30/2021	<0.01	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/23/2017	<0.01	
9/25/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/9/2019	0.00078 (J)	
3/6/2020	<0.01	
9/9/2020	<0.01	
2/26/2021	<0.01	
7/29/2021	<0.01	
1/28/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.001 (J)	
10/4/2014	<0.01	
10/21/2014	0.00084 (J)	
11/11/2014	<0.01	
3/3/2015	<0.01	
3/18/2015	<0.01	
4/7/2015	<0.01	
4/23/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/13/2016	<0.01	
3/20/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/7/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	<0.01	
3/5/2020	<0.01	
9/9/2020	<0.01	
2/26/2021	<0.01	
7/29/2021	<0.01	
1/27/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01
8/4/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	<0.01	
10/4/2014	<0.01	
10/21/2014	<0.01	
11/5/2014	<0.01	
3/3/2015	<0.01	
3/19/2015	<0.01	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/29/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/21/2017	<0.01	
9/20/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019	<0.01	
9/9/2019	0.00081 (J)	
3/4/2020	0.00096 (J)	
9/9/2020	<0.01	
2/26/2021	<0.01	
8/5/2021	<0.01	
1/27/2022		<0.01
8/9/2022		<0.01
2/9/2023		<0.01
8/4/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	0.0012 (J)	
4/7/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/14/2016	<0.01	
3/22/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	<0.01	
3/5/2020	<0.01	
9/4/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/27/2022		<0.01
8/9/2022		<0.01
2/10/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/8/2016	<0.01	
7/15/2016	<0.01	
3/21/2017	<0.01	
9/19/2017	<0.01	
3/14/2018	<0.01	
9/10/2018	<0.01	
3/11/2019	<0.01	
9/6/2019	0.0012 (J)	
3/3/2020	0.00085 (J)	
9/8/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/28/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01
8/4/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	<0.01	
11/5/2014	<0.01	
3/4/2015	<0.01	
3/19/2015	<0.01	
4/8/2015	<0.01	
4/24/2015	<0.01	
7/30/2015	<0.01	
3/7/2016	<0.01	
7/14/2016	<0.01	
3/20/2017	<0.01	
9/19/2017	<0.01	
3/13/2018	<0.01	
9/7/2018	<0.01	
3/11/2019	<0.01	
9/5/2019	0.00094 (J)	
3/3/2020	<0.01	
9/8/2020	<0.01	
3/9/2021	<0.01	
8/2/2021	<0.01	
1/27/2022		<0.01
8/10/2022		<0.01
2/9/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	<0.01	
10/5/2014	<0.01	
10/22/2014	0.00083 (J)	
11/5/2014	0.0014 (J)	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0017 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/9/2016	<0.01	
7/15/2016	<0.01	
3/22/2017	<0.01	
9/21/2017	<0.01	
3/14/2018	<0.01	
9/11/2018	<0.01	
3/12/2019	<0.01	
9/6/2019	0.0011 (J)	
3/5/2020	0.00071 (J)	
9/9/2020	<0.01	
3/10/2021	<0.01	
7/30/2021	<0.01	
1/28/2022		<0.01
8/11/2022		<0.01
2/10/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.0012 (J)	
10/4/2014	<0.01	
10/23/2014	<0.01	
11/10/2014	<0.01	
3/4/2015	<0.01	
3/20/2015	<0.01	
4/8/2015	0.0012 (J)	
4/23/2015	<0.01	
7/30/2015	<0.01	
3/4/2016	<0.01	
7/12/2016	0.002 (J)	
3/20/2017	<0.01	
9/19/2017	0.0012 (J)	
3/13/2018	<0.01	
9/11/2018	<0.01	
3/8/2019	<0.01	
9/5/2019	0.0012 (JD)	
3/3/2020	0.0011 (J)	
9/9/2020	<0.01	
3/9/2021	<0.01	
7/29/2021	<0.01	
1/28/2022		<0.01
8/9/2022		<0.01
2/9/2023		<0.01
8/3/2023		<0.01

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
9/15/2014	0.44 (o)	
10/3/2014	0.021	
10/20/2014	0.19	
11/10/2014	0.0014 (J)	
3/2/2015	0.032	
3/17/2015	0.034	
4/5/2015	0.089	
4/21/2015	0.16	
7/28/2015	0.15	
3/1/2016	0.0627	
7/6/2016	0.0532	
3/14/2017	0.0401	
9/15/2017	0.0338	
3/12/2018	0.042	
9/6/2018	0.045	
3/7/2019	0.043	
9/4/2019	0.052	
3/2/2020	0.056	
9/14/2020	0.053	
3/26/2021	0.046	
7/27/2021	<0.02	
1/26/2022		<0.02
8/8/2022		<0.02
2/8/2023		0.0086 (J)
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
9/16/2014	0.0062	
10/3/2014	0.0085	
10/20/2014	0.0087	
11/10/2014	0.01	
3/2/2015	0.0077	
3/17/2015	0.0086	
4/5/2015	0.0098	
4/22/2015	0.0049	
7/28/2015	0.0099	
3/1/2016	0.00756 (J)	
7/8/2016	0.0098 (J)	
3/14/2017	0.0042 (J)	
9/15/2017	0.0032 (J)	
3/12/2018	0.0025 (J)	
9/6/2018	<0.02	
3/6/2019	0.0035 (J)	
9/4/2019	0.0086 (J)	
3/2/2020	0.0063 (J)	
9/3/2020	0.0049 (J)	
2/24/2021	0.0038 (J)	
7/28/2021	0.0088 (J)	
1/26/2022		<0.02
8/8/2022		<0.02
2/8/2023		<0.02
8/2/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
9/16/2014	0.0054	
10/3/2014	0.007	
10/20/2014	0.0052	
11/10/2014	0.0054	
3/2/2015	0.041 (o)	
3/17/2015	0.014	
4/6/2015	0.0044	
4/22/2015	0.0023 (J)	
7/28/2015	0.0035	
3/2/2016	0.0029 (J)	
7/7/2016	0.0023 (J)	
3/23/2017	<0.02	
9/19/2017	0.002 (J)	
3/13/2018	<0.02	
9/6/2018	<0.02	
3/7/2019	<0.02	
9/4/2019	0.00565 (JD)	
3/2/2020	0.0032 (J)	
9/3/2020	<0.02	
2/24/2021	<0.02	
7/28/2021	<0.02	
1/25/2022		<0.02
8/5/2022		<0.02
2/8/2023		<0.02
8/2/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
9/16/2014	0.072	
10/4/2014	0.078	
10/21/2014	0.083	
11/11/2014	0.082	
3/3/2015	0.078	
3/18/2015	0.075	
4/6/2015	0.071	
4/23/2015	0.072	
7/29/2015	0.072	
3/3/2016	0.0227	
7/13/2016	0.0709	
3/20/2017	0.0465	
9/21/2017	0.0302	
3/14/2018	0.031	
9/7/2018	<0.01	
3/11/2019	0.024	
9/9/2019	0.029	
3/4/2020	0.015	
9/9/2020	0.037	
3/9/2021	0.025	
7/30/2021	0.032	
1/28/2022		0.026
8/11/2022		0.036 (J)
2/10/2023		0.017 (J)
8/4/2023		0.036

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
9/17/2014	0.0028	
10/4/2014	0.0038	
10/21/2014	0.0043	
11/11/2014	0.0041	
3/3/2015	0.0042	
3/18/2015	0.0046	
4/6/2015	0.0043	
4/23/2015	0.0047	
7/29/2015	0.0039	
3/4/2016	0.0219 (J)	
7/14/2016	0.0111	
3/21/2017	<0.02	
9/22/2017	0.0023 (J)	
3/14/2018	0.0021 (J)	
9/11/2018	<0.02	
3/12/2019	0.0038 (J)	
9/10/2019	0.0055 (J)	
3/5/2020	0.0035 (J)	
9/9/2020	<0.02	
3/10/2021	<0.02	
7/30/2021	<0.02	
1/28/2022		<0.02
8/11/2022		<0.02
2/10/2023		<0.02
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
9/17/2014	0.0035	
10/4/2014	0.0032	
10/21/2014	0.0028	
11/5/2014	0.004	
3/3/2015	0.004	
3/18/2015	0.0024 (J)	
4/7/2015	0.0055	
4/23/2015	0.0035	
7/29/2015	0.0062	
3/7/2016	0.0225 (J)	
7/13/2016	0.0031 (J)	
3/23/2017	<0.02	
9/25/2017	0.002 (J)	
3/14/2018	0.0036 (J)	
9/11/2018	<0.02	
3/12/2019	<0.02	
9/9/2019	0.0063 (J)	
3/6/2020	0.0045 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
7/29/2021	<0.02	
1/28/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
9/17/2014	0.002 (J)	
10/4/2014	0.001 (J)	
10/21/2014	0.00082 (J)	
11/11/2014	0.00076 (J)	
3/3/2015	<0.02	
3/18/2015	0.0016 (J)	
4/7/2015	<0.02	
4/23/2015	<0.02	
7/29/2015	<0.02	
3/7/2016	<0.02	
7/13/2016	0.0013 (J)	
3/20/2017	<0.02	
9/21/2017	0.0018 (J)	
3/14/2018	<0.02	
9/7/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.0046 (J)	
3/5/2020	0.0024 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
7/29/2021	0.015 (J)	
1/27/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02
8/4/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
9/17/2014	0.0026	
10/4/2014	0.0034	
10/21/2014	0.0037	
11/5/2014	0.0035	
3/3/2015	0.0036	
3/19/2015	0.0035	
4/7/2015	0.0039	
4/24/2015	0.0034	
7/29/2015	0.0038	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/21/2017	<0.02	
9/20/2017	0.0062 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019	<0.02	
9/9/2019	0.0062 (J)	
3/4/2020	0.0072 (J)	
9/9/2020	<0.02	
2/26/2021	<0.02	
8/5/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02
8/4/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
9/18/2014	0.0023 (J)	
10/5/2014	0.0025	
10/22/2014	0.0018 (J)	
11/5/2014	0.0019 (J)	
3/4/2015	0.0016 (J)	
3/19/2015	0.0025	
4/7/2015	0.0026	
4/24/2015	0.0017 (J)	
7/30/2015	0.0017 (J)	
3/8/2016	0.557 (o)	
7/14/2016	<0.02	
3/22/2017	<0.02	
9/19/2017	0.0031 (J)	
3/14/2018	<0.02	
9/10/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.00455 (JD)	
3/5/2020	0.0023 (J)	
9/4/2020	<0.02	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/10/2023		<0.02
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
9/18/2014	0.0033	
10/5/2014	0.0036	
10/22/2014	0.0038	
11/5/2014	0.0046	
3/4/2015	0.0029	
3/19/2015	0.0027	
4/8/2015	0.0039	
4/24/2015	0.0035	
7/30/2015	0.0027	
3/8/2016	0.00273 (J)	
7/15/2016	<0.02	
3/21/2017	<0.02	
9/19/2017	0.0022 (J)	
3/14/2018	0.0049 (J)	
9/10/2018	<0.02	
3/11/2019	0.0034 (J)	
9/6/2019	0.045	
3/3/2020	0.0044 (J)	
9/8/2020	0.0063 (J)	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/28/2022		<0.02
8/10/2022		0.016 (J)
2/9/2023		0.012 (J)
8/4/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
9/18/2014	0.00089 (J)	
10/5/2014	0.0016 (J)	
10/22/2014	0.0017 (J)	
11/5/2014	0.0038	
3/4/2015	0.002 (J)	
3/19/2015	0.0025	
4/8/2015	0.0018 (J)	
4/24/2015	0.0016 (J)	
7/30/2015	<0.02	
3/7/2016	<0.02	
7/14/2016	<0.02	
3/20/2017	0.0075 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/7/2018	<0.02	
3/11/2019	0.0021 (J)	
9/5/2019	0.0053 (J)	
3/3/2020	0.0029 (J)	
9/8/2020	0.0037 (J)	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/10/2022		<0.02
2/9/2023		<0.02
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
9/18/2014	0.0013 (J)	
10/5/2014	0.00085 (J)	
10/22/2014	0.0014 (J)	
11/5/2014	0.0022 (J)	
3/4/2015	0.0033	
3/20/2015	0.002 (J)	
4/8/2015	0.004	
4/23/2015	0.002 (J)	
7/30/2015	<0.02	
3/9/2016	<0.02	
7/15/2016	<0.02	
3/22/2017	<0.02	
9/21/2017	0.0034 (J)	
3/14/2018	<0.02	
9/11/2018	<0.02	
3/12/2019	<0.02	
9/6/2019	0.0059 (J)	
3/5/2020	0.0084 (J)	
9/9/2020	<0.02	
3/10/2021	<0.02	
7/30/2021	<0.02	
1/28/2022		0.0099 (J)
8/11/2022		<0.02
2/10/2023		<0.02
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
9/16/2014	0.00054 (J)	
10/4/2014	0.0008 (J)	
10/23/2014	<0.02	
11/10/2014	<0.02	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/8/2015	0.0016 (J)	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/4/2016	0.00374 (J)	
7/12/2016	<0.02	
3/20/2017	<0.02	
9/19/2017	0.0028 (J)	
3/13/2018	0.0068 (J)	
9/11/2018	<0.02	
3/8/2019	<0.02	
9/5/2019	0.00675 (JD)	
3/3/2020	0.0033 (J)	
9/9/2020	0.0048 (J)	
3/9/2021	0.0063 (J)	
7/29/2021	<0.02	
1/28/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02
8/3/2023		<0.02

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/11/2023 4:58 PM View: Appendix I
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
9/16/2014	0.004	
10/4/2014	0.0011 (J)	
10/23/2014	0.0011 (J)	
11/10/2014	0.0028	
3/4/2015	<0.02	
3/20/2015	<0.02	
4/9/2015	<0.02	
4/23/2015	<0.02	
7/30/2015	<0.02	
3/8/2016	0.00198 (J)	
7/18/2016	<0.02	
3/16/2017	0.0026 (J)	
9/19/2017	<0.02	
3/13/2018	<0.02	
9/11/2018	<0.02	
3/8/2019	<0.02	
9/5/2019	0.0053 (J)	
3/3/2020	0.0027 (J)	
9/4/2020	<0.02	
3/9/2021	<0.02	
8/2/2021	<0.02	
1/27/2022		<0.02
8/9/2022		<0.02
2/9/2023		<0.02
8/3/2023		<0.02

FIGURE E.

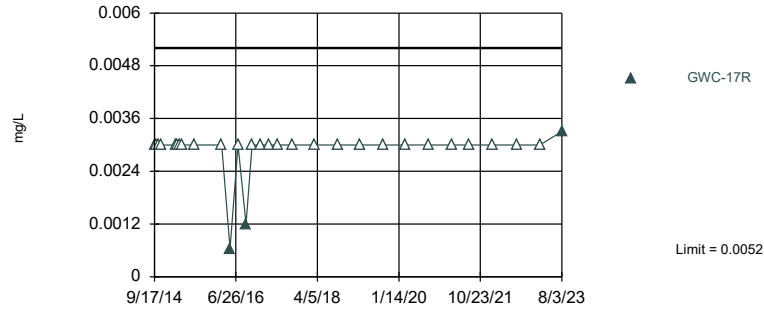
Appendix I Interwell Prediction Limits - Two-Step - All Results (No Significant)

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:05 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWC-17R	0.0052	n/a	8/3/2023	0.0033	No	342	n/a	n/a	79.24	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Barium (mg/L)	GWC-23R	0.071	n/a	8/3/2023	0.042	No	342	n/a	n/a	2.047	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Chromium (mg/L)	GWC-21R	0.02	n/a	8/4/2023	0.0067	No	339	n/a	n/a	66.37	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

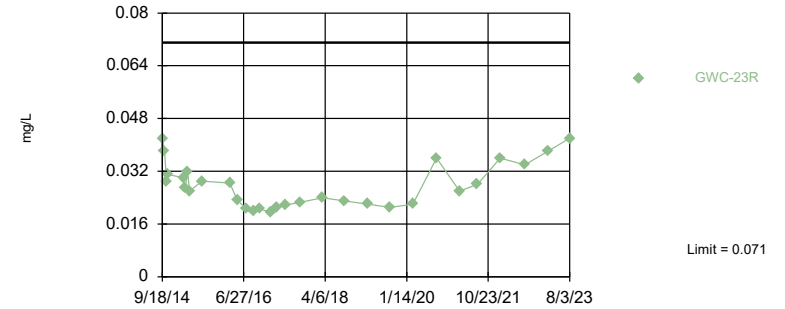


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 342 background values. 79.24% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Assumes 10 future values.

Constituent: Antimony Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Interwell Non-parametric

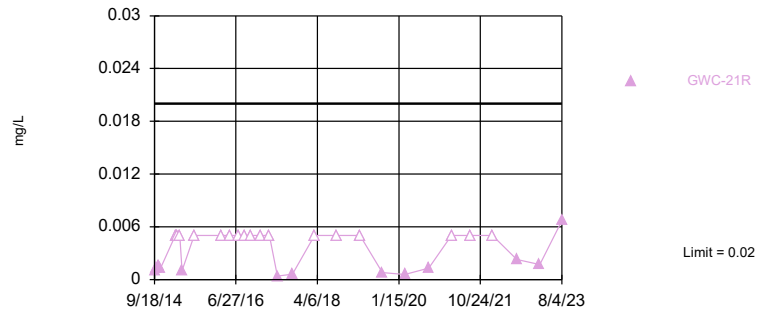


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 342 background values. 2.047% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Assumes 10 future values.

Constituent: Barium Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 339 background values. 66.37% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Assumes 10 future values.

Constituent: Chromium Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWC-17R	GWA-51RZ (bg)	GWA-52 (bg)	GWA-53R (bg)	GWA-56 (bg)
9/15/2014	<0.003	<0.003							
9/16/2014			<0.003	<0.003					
9/17/2014					<0.003				
10/3/2014	<0.003	<0.003	<0.003	<0.003					
10/4/2014					<0.003				
10/20/2014	<0.003	<0.003	<0.003	<0.003					
10/21/2014					<0.003				
11/10/2014	<0.003	<0.003	<0.003	<0.003					
11/11/2014					<0.003				
3/2/2015	<0.003	<0.003	<0.003	<0.003					
3/3/2015					<0.003				
3/17/2015	<0.003	<0.003	<0.003	<0.003					
3/18/2015					<0.003				
4/5/2015	<0.003	<0.003	<0.003						
4/6/2015				<0.003	<0.003				
4/21/2015	<0.003	<0.003							
4/22/2015			<0.003	<0.003					
4/23/2015					<0.003				
5/8/2015						<0.003	<0.003	<0.003	
5/9/2015									<0.003
5/17/2015						<0.003	<0.003	<0.003	
5/18/2015									
5/19/2015									<0.003
5/25/2015						<0.003	<0.003	<0.003	
5/26/2015									<0.003
6/8/2015						<0.003	<0.003	<0.003	
6/9/2015									<0.003
6/17/2015									<0.003
6/18/2015						<0.003	<0.003	<0.003	
6/24/2015						<0.003	<0.003	<0.003	
6/25/2015									<0.003
6/30/2015						<0.003	<0.003	<0.003	
7/1/2015									<0.003
7/6/2015						<0.003	<0.003	<0.003	
7/7/2015									<0.003
7/28/2015	<0.003	<0.003	<0.003	<0.003					
7/29/2015					<0.003				
8/12/2015						<0.003	<0.003	<0.003	
8/13/2015									<0.003
2/29/2016							<0.003		
3/1/2016	<0.003	<0.003	0.00214 (J)						
3/2/2016				<0.003				0.00106 (J)	
3/3/2016									<0.003
3/4/2016					<0.003				
5/2/2016	<0.003	<0.003							
5/3/2016			0.00178 (J)	<0.003				0.00171 (J)	
5/4/2016						0.00254 (J)	<0.003		
5/9/2016									<0.003
5/10/2016					0.000641 (J)				
7/6/2016		<0.003							
7/7/2016	<0.003			<0.003		0.0033 (D)			
7/8/2016			0.0023 (J)				<0.003		

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWC-17R	GWA-51RZ (bg)	GWA-52 (bg)	GWA-53R (bg)	GWA-56 (bg)
7/11/2016								<0.003	<0.003
7/14/2016					<0.003				
9/7/2016	<0.003	<0.003	0.0039					0.0013 (J)	
9/8/2016				<0.003		0.0046 (o)	<0.003		
9/9/2016									<0.003
9/14/2016					0.0012 (J)				
10/25/2016	<0.003	<0.003	0.0035	<0.003					
10/26/2016						0.001 (J)	<0.003		<0.003
10/27/2016								0.0011 (J)	
11/1/2016					<0.003				
1/5/2017	<0.003	<0.003							
1/6/2017			0.0052			0.0011 (J)	<0.003	0.0013 (J)	
1/9/2017									0.0012 (J)
1/11/2017					<0.003				
2/9/2017				<0.003					
3/14/2017		<0.003	0.003						
3/15/2017	0.0004 (J)					0.0006 (J)	<0.003		<0.003
3/16/2017								0.0029 (J)	
3/21/2017					<0.003				
3/23/2017				<0.003					
5/16/2017		<0.003	0.0026 (J)						
5/17/2017	0.0032			<0.003			<0.003		
5/18/2017						0.0009 (J)			<0.003
5/19/2017								<0.003	
5/23/2017					<0.003				
7/19/2017						<0.003			
9/15/2017	<0.003	<0.003	0.0016 (J)				<0.003		<0.003
9/18/2017									
9/19/2017				<0.003		<0.003		<0.003	
9/22/2017					<0.003				
3/12/2018	<0.003	<0.003	0.0023 (J)						
3/13/2018				<0.003		<0.003	<0.003	0.0034	<0.003
3/14/2018					<0.003				
9/6/2018	<0.003	<0.003	0.0024 (J)	<0.003			<0.003		
9/7/2018						<0.003			<0.003
9/11/2018					<0.003			0.0033	
3/6/2019	<0.003		0.0019 (J)						
3/7/2019		<0.003		<0.003			<0.003		<0.003
3/8/2019						<0.003			
3/12/2019					<0.003			0.002 (J)	
9/4/2019	0.001 (J)	<0.003	0.0029 (J)	<0.003		0.0006 (J)	<0.003		<0.003
9/5/2019								0.00035 (J)	
9/10/2019					<0.003				
3/2/2020	<0.003	<0.003	0.0018 (J)	<0.003			<0.003		
3/3/2020						<0.003			
3/4/2020								0.00053 (J)	<0.003
3/5/2020					<0.003				
9/3/2020	0.00094 (J)		0.0012 (J)	<0.003			<0.003		
9/4/2020									<0.003
9/8/2020								0.00078 (J)	
9/9/2020					<0.003	0.00035 (J)			
9/14/2020		<0.003							

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWC-17R	GWA-51RZ (bg)	GWA-52 (bg)	GWA-53R (bg)	GWA-56 (bg)
2/24/2021	0.00068 (J)		0.0012 (J)	<0.003			<0.003		
2/25/2021						0.00061 (J)			<0.003
2/26/2021								0.0006 (J)	
3/10/2021					<0.003				
3/26/2021		0.00092 (J)							
7/27/2021		<0.003					0.0028 (J)		
7/28/2021			0.0016 (J)	<0.003		0.00082 (J)			<0.003
7/29/2021								0.00096 (J)	
7/30/2021					<0.003				
8/6/2021	<0.003								
1/25/2022				<0.003			<0.003		
1/26/2022		<0.003	<0.003			<0.003		<0.003	<0.003
1/27/2022									
1/28/2022					<0.003				
8/5/2022				<0.003			<0.003		<0.003
8/8/2022		0.0015 (J)	0.0018 (J)					<0.003	
8/9/2022						<0.003			
8/11/2022					<0.003				
2/8/2023		<0.003	0.0013 (J)	<0.003					
2/10/2023					<0.003				
8/2/2023			0.0018 (J)	<0.003					
8/3/2023		<0.003			0.0033				

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55 (bg)	GWA-55R (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-36A (bg)
9/15/2014					
9/16/2014					
9/17/2014					
10/3/2014					
10/4/2014					
10/20/2014					
10/21/2014					
11/10/2014					
11/11/2014					
3/2/2015					
3/3/2015					
3/17/2015					
3/18/2015					
4/5/2015					
4/6/2015					
4/21/2015					
4/22/2015					
4/23/2015					
5/8/2015					
5/9/2015	<0.003	<0.003	<0.003	<0.003	
5/17/2015					
5/18/2015	<0.003	<0.003	<0.003	<0.003	
5/19/2015					
5/25/2015			<0.003	<0.003	
5/26/2015	<0.003	<0.003			
6/8/2015					<0.003
6/9/2015	<0.003	<0.003	<0.003		
6/17/2015	<0.003	<0.003	<0.003	<0.003	
6/18/2015					
6/24/2015					<0.003
6/25/2015	<0.003	<0.003	<0.003		
6/30/2015					<0.003
7/1/2015	<0.003	<0.003	<0.003		
7/6/2015					<0.003
7/7/2015	<0.003	<0.003	<0.003		
7/28/2015					
7/29/2015					
8/12/2015			<0.003	<0.003	
8/13/2015	<0.003	<0.003			
2/29/2016					
3/1/2016					
3/2/2016	0.000608 (J)		<0.003	0.000782 (J)	
3/3/2016		<0.003			
3/4/2016					
5/2/2016					
5/3/2016	<0.003	<0.003		<0.003	
5/4/2016			<0.003		
5/9/2016					
5/10/2016					
7/6/2016					
7/7/2016					
7/8/2016			<0.003	<0.003	

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55 (bg)	GWA-55R (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-36A (bg)
7/11/2016	<0.003	<0.003			
7/14/2016					
9/7/2016					
9/8/2016			0.0019 (J)	0.0009 (J)	
9/9/2016	<0.003	0.0009 (J)			
9/14/2016					
10/25/2016					
10/26/2016	<0.003		<0.003	0.0012 (J)	
10/27/2016		<0.003			
11/1/2016					
1/5/2017					
1/6/2017					
1/9/2017	<0.003	0.0023 (J)	<0.003	<0.003	
1/11/2017					
2/9/2017					
3/14/2017					
3/15/2017			<0.003		
3/16/2017	<0.003	0.0007 (J)		<0.003	
3/21/2017					
3/23/2017					
5/16/2017					
5/17/2017					
5/18/2017	<0.003	0.0012 (J)	<0.003		
5/19/2017				0.0005 (J)	
5/23/2017					
7/19/2017					
9/15/2017	<0.003		<0.003		
9/18/2017		<0.003			
9/19/2017				<0.003	
9/22/2017					
3/12/2018	<0.003	<0.003			
3/13/2018			<0.003	<0.003	
3/14/2018					
9/6/2018			0.001 (J)		
9/7/2018	<0.003	<0.003			
9/11/2018				<0.003	
3/6/2019					
3/7/2019		<0.003	<0.003		
3/8/2019	<0.003			<0.003	
3/12/2019					
9/4/2019					
9/5/2019	<0.003	<0.003	<0.003	0.00035 (J)	
9/10/2019					
3/2/2020					
3/3/2020	<0.003		0.0011 (J)		
3/4/2020		<0.003		0.0019 (J)	
3/5/2020					
9/3/2020					
9/4/2020	0.00065 (J)	<0.003			
9/8/2020			<0.003	0.0017 (J)	
9/9/2020					
9/14/2020					

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55 (bg)	GWA-55R (bg)	GWA-54 (bg)	GWA-53 (bg)	GWA-36A (bg)
2/24/2021					
2/25/2021	<0.003	<0.003	<0.003		
2/26/2021				<0.003	
3/10/2021					
3/26/2021					
7/27/2021			0.00086 (J)		
7/28/2021	<0.003	<0.003			
7/29/2021				0.00096 (J)	
7/30/2021					
8/6/2021					
1/25/2022			<0.003		
1/26/2022	<0.003			<0.003	
1/27/2022		<0.003			
1/28/2022					
8/5/2022			<0.003		
8/8/2022	<0.003	<0.003		<0.003	<0.003
8/9/2022					
8/11/2022					
2/8/2023					<0.003
2/10/2023					
8/2/2023					<0.003
8/3/2023					

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWC-23R	GWA-51RZ (bg)	GWA-52 (bg)	GWA-53R (bg)	GWA-53 (bg)
9/15/2014	0.0069	0.031							
9/16/2014			0.0071	0.014					
9/18/2014					0.042				
10/3/2014	0.0045	0.024	0.0087	0.016					
10/5/2014					0.038				
10/20/2014	0.0044	0.024	0.0085	0.014					
10/22/2014					0.029				
11/5/2014					0.031				
11/10/2014	<0.02	0.014	0.008	0.015					
3/2/2015	0.0045	0.013	0.0063	0.03 (o)					
3/4/2015					0.03				
3/17/2015	0.0078	0.013	0.0066	0.018					
3/20/2015					0.027				
4/5/2015	0.01	0.022	0.0068						
4/6/2015				0.014					
4/8/2015					0.032				
4/21/2015	0.013	0.018							
4/22/2015			0.0094	0.012					
4/23/2015					0.026				
5/8/2015						0.0094	0.033	0.014	
5/9/2015									0.044
5/17/2015						0.014	0.04	0.015	
5/18/2015									0.04
5/19/2015									
5/25/2015						0.012	0.039	0.014	0.036
5/26/2015									
6/8/2015						0.0094	0.031	0.014	0.028
6/9/2015									
6/17/2015									0.026
6/18/2015						0.0075	0.039	0.013	
6/24/2015						0.0056	0.042	0.014	0.021
6/25/2015									
6/30/2015						0.0047	0.033	0.014	0.018
7/1/2015									
7/6/2015						0.0047	0.031	0.013	0.018
7/7/2015									
7/28/2015	0.011	0.022	0.0057	0.012					
7/30/2015					0.029				
8/12/2015						0.00383 (J)	<0.02	0.015 (J)	<0.02
2/29/2016							0.028		
3/1/2016	0.0189	0.021	0.0101						
3/2/2016				0.0123				0.015	0.017
3/3/2016									
3/9/2016					0.0284 (J)				
5/2/2016	0.0133	0.0225							
5/3/2016			0.0104	0.0114				0.0144	0.016
5/4/2016						0.0207	0.0273		
5/6/2016					0.0233				
5/9/2016									
7/6/2016		0.0249							
7/7/2016	0.013			0.012		0.0207			
7/8/2016			0.0095 (J)				0.0284		0.0156

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWC-23R	GWA-51RZ (bg)	GWA-52 (bg)	GWA-53R (bg)	GWA-53 (bg)
7/11/2016								0.0145	
7/15/2016					0.0208				
9/7/2016	0.0116	0.0251	0.0095 (J)					0.014	
9/8/2016				0.0131		0.0278	0.0242		0.0144
9/9/2016									
9/14/2016					0.0198				
10/25/2016	0.0129	0.0274	0.0121	0.0122					
10/26/2016						0.0204	0.021		0.0128
10/27/2016								0.0142	
11/1/2016					0.0207				
1/5/2017	0.013	0.028							
1/6/2017			0.014			0.0221	0.0219	0.0139	
1/9/2017									0.0134
1/25/2017					0.0195				
2/9/2017				0.0104					
3/14/2017		0.02	0.009 (J)						
3/15/2017	0.0121					0.0172	0.0202		
3/16/2017								0.0145	0.0129
3/22/2017					0.0211				
3/23/2017				0.0128					
5/16/2017		0.0221	0.0084 (J)						
5/17/2017	0.0123			0.0113			0.0219		
5/18/2017						0.0181			
5/19/2017								0.0161	0.0141
5/24/2017					0.0217				
7/19/2017						0.018			
9/15/2017	0.0127	0.0231	0.0078 (J)				0.0209		
9/18/2017									
9/19/2017				0.0114		0.0271		0.0153	0.0127
9/21/2017					0.0226				
3/12/2018	0.014	0.023	0.006 (J)						
3/13/2018				0.011		0.017	0.02	0.015	0.013
3/14/2018					0.024				
9/6/2018	0.013	0.024	0.0058 (J)	0.011			0.024		
9/7/2018						0.022			
9/11/2018					0.023			0.015	0.013
3/6/2019	0.018		0.0052 (J)						
3/7/2019		0.018		0.011			0.025		
3/8/2019						0.015			0.012
3/12/2019					0.022			0.016	
9/4/2019	0.014	0.026	0.005 (J)	0.0115 (D)		0.018	0.02		
9/5/2019								0.014	0.013
9/6/2019					0.021				
3/2/2020	0.019	0.024	0.005 (J)	0.012			0.023		
3/3/2020						0.017			
3/4/2020								0.015	0.013
3/5/2020					0.022				
9/3/2020	0.014		0.0045 (J)	0.011			0.017		
9/4/2020									
9/8/2020								0.013	0.012
9/9/2020					0.036	0.017			
9/14/2020		0.03							

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-38 (bg)	GWC-23R	GWA-51RZ (bg)	GWA-52 (bg)	GWA-53R (bg)	GWA-53 (bg)
2/24/2021	0.016		0.0044 (J)	0.013			0.025		
2/25/2021						0.018			
2/26/2021								0.015	0.013
3/10/2021					0.026				
3/26/2021		0.02							
7/27/2021		0.043					0.026		
7/28/2021			0.0052	0.013		0.019			
7/29/2021								0.015	0.013
7/30/2021					0.028				
8/6/2021	0.01								
1/25/2022				0.012			0.023		
1/26/2022		0.035	0.0046 (J)			0.034		0.014	0.013
1/27/2022									
1/28/2022					0.036				
8/5/2022				0.012			0.019		
8/8/2022		0.038	0.0035 (J)					0.013	0.011
8/9/2022						0.015			
8/11/2022					0.034				
2/8/2023		0.038	0.0039 (J)	0.013					
2/10/2023					0.038				
8/2/2023			0.0038 (J)	0.011					
8/3/2023		0.033			0.042				

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-36A (bg)
9/15/2014					
9/16/2014					
9/18/2014					
10/3/2014					
10/5/2014					
10/20/2014					
10/22/2014					
11/5/2014					
11/10/2014					
3/2/2015					
3/4/2015					
3/17/2015					
3/20/2015					
4/5/2015					
4/6/2015					
4/8/2015					
4/21/2015					
4/22/2015					
4/23/2015					
5/8/2015					
5/9/2015	0.018	0.054	0.022	0.042	
5/17/2015					
5/18/2015		0.058	0.031	0.063	
5/19/2015	0.02				
5/25/2015		0.051			
5/26/2015	0.02		0.028	0.057	
6/8/2015					
6/9/2015	0.02	0.034	0.031	0.07	
6/17/2015	0.019	0.032	0.029	0.065	
6/18/2015					
6/24/2015					
6/25/2015	0.019	0.032	0.024	0.068	
6/30/2015					
7/1/2015	0.018	0.029	0.026	0.069	
7/6/2015					
7/7/2015	0.019	0.029	0.027	0.071	
7/28/2015					
7/30/2015					
8/12/2015	<0.02	<0.02	<0.02	<0.02	
2/29/2016					
3/1/2016					
3/2/2016		0.0297	0.0276		
3/3/2016	0.0259			0.0424	
3/9/2016					
5/2/2016					
5/3/2016			0.0291	0.0477	
5/4/2016		0.0299			
5/6/2016					
5/9/2016	0.0236				
7/6/2016					
7/7/2016					
7/8/2016		0.0294			

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-36A (bg)
7/11/2016	0.0295		0.0225	0.0506	
7/15/2016					
9/7/2016					
9/8/2016		0.0275			
9/9/2016	0.0259		0.018	0.0478	
9/14/2016					
10/25/2016					
10/26/2016	0.0231	0.0263	0.0177		
10/27/2016				0.0472	
11/1/2016					
1/5/2017					
1/6/2017					
1/9/2017	0.0273	0.0263	0.0183	0.0507	
1/25/2017					
2/9/2017					
3/14/2017					
3/15/2017	0.0286	0.0262			
3/16/2017			0.0175	0.0497	
3/22/2017					
3/23/2017					
5/16/2017					
5/17/2017					
5/18/2017	0.0253	0.0276	0.0203	0.0466	
5/19/2017					
5/24/2017					
7/19/2017					
9/15/2017	0.0247	0.0281	0.0197		
9/18/2017				0.0436	
9/19/2017					
9/21/2017					
3/12/2018			0.023	0.041	
3/13/2018	0.031	0.034			
3/14/2018					
9/6/2018		0.04			
9/7/2018	0.034		0.025	0.039	
9/11/2018					
3/6/2019					
3/7/2019	0.042	0.039		0.033	
3/8/2019			0.027		
3/12/2019					
9/4/2019	0.033				
9/5/2019		0.034	0.024	0.032	
9/6/2019					
3/2/2020					
3/3/2020		0.031	0.023		
3/4/2020	0.039			0.029	
3/5/2020					
9/3/2020					
9/4/2020	0.033		0.022	0.032	
9/8/2020		0.035			
9/9/2020					
9/14/2020					

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-54 (bg)	GWA-55 (bg)	GWA-55R (bg)	GWA-36A (bg)
2/24/2021					
2/25/2021	0.032	0.034	0.028	0.034	
2/26/2021					
3/10/2021					
3/26/2021					
7/27/2021		0.028			
7/28/2021	0.035		0.027	0.03	
7/29/2021					
7/30/2021					
8/6/2021					
1/25/2022		0.031			
1/26/2022	0.032		0.026		
1/27/2022				0.032	
1/28/2022					
8/5/2022	0.033	0.03			
8/8/2022			0.026	0.027	0.037
8/9/2022					
8/11/2022					
2/8/2023					0.041
2/10/2023					
8/2/2023					0.026
8/3/2023					

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-38 (bg)	GWA-37 (bg)	GWC-21R	GWA-52 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-55 (bg)
9/15/2014	<0.005	0.0028							
9/16/2014			0.0026	0.0015					
9/18/2014					0.001 (J)				
10/3/2014	<0.005	<0.005	0.0021	0.0015					
10/5/2014					0.0013				
10/20/2014	<0.005	0.0029	0.0023	0.0011 (J)					
10/22/2014					0.0016				
11/5/2014					0.0013				
11/10/2014	<0.005	0.0017	0.0022	<0.005					
3/2/2015	<0.005	<0.005	0.0021	<0.005					
3/4/2015					<0.005				
3/17/2015	<0.005	<0.005	0.0022	<0.005					
3/19/2015					<0.005				
4/5/2015	<0.005	<0.005		<0.005					
4/6/2015			0.0016						
4/8/2015					<0.005				
4/21/2015	0.0011 (J)	0.0018							
4/22/2015			0.0013	<0.005					
4/24/2015					0.001 (J)				
5/8/2015						<0.005	<0.005		
5/9/2015								<0.005	<0.005
5/17/2015						<0.005	<0.005		
5/18/2015								<0.005	<0.005
5/19/2015									
5/25/2015						<0.005	<0.005	<0.005	
5/26/2015									<0.005
6/8/2015						0.0013	<0.005	<0.005	
6/9/2015									<0.005
6/17/2015								<0.005	<0.005
6/18/2015						<0.005	<0.005		
6/24/2015						0.0013	<0.005	<0.005	
6/25/2015									<0.005
6/30/2015						<0.005	<0.005	<0.005	
7/1/2015									<0.005
7/6/2015						<0.005	<0.005	<0.005	
7/7/2015									<0.005
7/28/2015	<0.005	0.0015	0.0014	<0.005					
7/30/2015					<0.005				
8/12/2015						<0.005	<0.005	<0.005	
8/13/2015									<0.005
2/29/2016						<0.005			
3/1/2016	<0.005	<0.005		<0.005					
3/2/2016			<0.005				<0.005	<0.005	<0.005
3/3/2016									
3/8/2016					<0.005				
5/2/2016	0.00385 (J)	<0.005							
5/3/2016			<0.005	<0.005			<0.005	<0.005	<0.005
5/4/2016						<0.005			
5/9/2016					<0.005				
7/6/2016		0.0005 (J)							
7/7/2016	0.0004 (J)		0.002 (J)						
7/8/2016				<0.005		0.0014 (J)		0.0007 (J)	

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-38 (bg)	GWA-37 (bg)	GWC-21R	GWA-52 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-55 (bg)
7/11/2016							<0.005		0.0006 (J)
7/15/2016					<0.005				
9/7/2016	<0.005	<0.005		<0.005			<0.005		
9/8/2016			0.001 (J)			<0.005		<0.005	
9/9/2016					<0.005				<0.005
10/25/2016	<0.005	<0.005	0.0028 (J)	<0.005					
10/26/2016						0.0011 (J)		<0.005	<0.005
10/27/2016					<0.005		<0.005		
1/5/2017	<0.005	<0.005							
1/6/2017				<0.005		0.0011 (J)	<0.005		
1/9/2017								<0.005	<0.005
1/12/2017					<0.005				
2/9/2017			0.0012 (J)						
3/14/2017		0.0008 (J)		0.0006 (J)					
3/15/2017	0.0007 (J)					0.0014 (J)			
3/16/2017							0.0011 (J)	0.001 (J)	0.0008 (J)
3/21/2017					<0.005				
3/23/2017			<0.005						
5/16/2017		<0.005		<0.005					
5/17/2017	0.0004 (J)		0.0019 (J)			0.0011 (J)			
5/18/2017									0.001 (J)
5/19/2017							0.0007 (J)	0.0006 (J)	
5/23/2017					0.0004 (J)				
7/19/2017									
9/15/2017	<0.005	<0.005		<0.005		0.001 (J)			0.0007 (J)
9/18/2017									
9/19/2017			0.0022 (J)		0.0006 (J)		0.0006 (J)	0.0006 (J)	
3/12/2018	<0.005	<0.005		<0.005					<0.005
3/13/2018			0.0017 (J)			<0.005	<0.005	<0.005	
3/14/2018					<0.005				
9/6/2018	<0.005	<0.005	<0.005	<0.005		<0.005			
9/7/2018									<0.005
9/10/2018					<0.005				
9/11/2018							<0.005	<0.005	
3/6/2019	<0.005			<0.005					
3/7/2019		<0.005	<0.005			<0.005			
3/8/2019								<0.005	<0.005
3/11/2019					<0.005				
3/12/2019							<0.005		
9/4/2019	<0.005	0.0013 (J)	0.00155 (JD)	<0.005		0.00096 (J)			
9/5/2019							0.00055 (J)	0.00065 (J)	0.00092 (J)
9/6/2019					0.00078 (J)				
3/2/2020	<0.005	0.00047 (J)	0.0014 (J)	<0.005		0.0011 (J)			
3/3/2020					0.00058 (J)				0.00085 (J)
3/4/2020							0.0012 (J)	0.00076 (J)	
9/3/2020	<0.005		0.0013 (J)	<0.005		0.0011 (J)			
9/4/2020									0.0012 (J)
9/8/2020					0.0013 (J)		<0.005	<0.005	
9/9/2020									
9/14/2020		<0.005							
2/24/2021	<0.005		0.0018 (J)	<0.005		0.00097 (J)			
2/25/2021									0.00078 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36 (bg)	GWA-36RA (bg)	GWA-38 (bg)	GWA-37 (bg)	GWC-21R	GWA-52 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-55 (bg)
2/26/2021							0.00071 (J)	0.0008 (J)	
3/9/2021					<0.005				
3/26/2021		0.0006 (J)							
7/27/2021		<0.005				<0.005			
7/28/2021			0.0015 (J)	0.018 (o)					<0.005
7/29/2021							<0.005	<0.005	
8/2/2021					<0.005				
8/6/2021	<0.005								
1/25/2022			0.0014 (J)			0.0012 (J)			
1/26/2022		<0.005		<0.005			<0.005	<0.005	<0.005
1/27/2022									
1/28/2022					<0.005				
8/5/2022			<0.005			0.0012 (J)			
8/8/2022		<0.005		<0.005			<0.005	<0.005	0.0011 (J)
8/9/2022									
8/10/2022					0.0023 (J)				
2/8/2023		<0.005	0.0012 (J)	<0.005					
2/9/2023					0.0017 (J)				
8/2/2023			<0.005	<0.005					
8/3/2023		<0.005							
8/4/2023					0.0067				

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWA-54 (bg)	GWA-51RZ (bg)	GWA-36A (bg)
9/15/2014					
9/16/2014					
9/18/2014					
10/3/2014					
10/5/2014					
10/20/2014					
10/22/2014					
11/5/2014					
11/10/2014					
3/2/2015					
3/4/2015					
3/17/2015					
3/19/2015					
4/5/2015					
4/6/2015					
4/8/2015					
4/21/2015					
4/22/2015					
4/24/2015					
5/8/2015				0.036 (o)	
5/9/2015	<0.005	<0.005	<0.005		
5/17/2015				0.029 (o)	
5/18/2015		<0.005	<0.005		
5/19/2015	<0.005				
5/25/2015			0.0011 (J)	0.029 (o)	
5/26/2015	<0.005	<0.005			
6/8/2015				0.015	
6/9/2015	<0.005	0.0017	<0.005		
6/17/2015	<0.005	<0.005	0.0014		
6/18/2015				0.016	
6/24/2015				0.02	
6/25/2015	<0.005	<0.005	0.001 (J)		
6/30/2015				0.02	
7/1/2015	<0.005	0.0011 (J)	<0.005		
7/6/2015				0.015	
7/7/2015	<0.005	<0.005	0.0011 (J)		
7/28/2015					
7/30/2015					
8/12/2015			0.0011 (J)	0.0139	
8/13/2015	<0.005	<0.005			
2/29/2016					
3/1/2016					
3/2/2016			<0.005		
3/3/2016	<0.005	<0.005			
3/8/2016					
5/2/2016					
5/3/2016		<0.005			
5/4/2016			<0.005	<0.005	
5/9/2016	<0.005				
7/6/2016					
7/7/2016				0.0005 (J)	
7/8/2016			0.0014 (J)		

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWA-54 (bg)	GWA-51RZ (bg)	GWA-36A (bg)
7/11/2016	0.0005 (J)	<0.005			
7/15/2016					
9/7/2016					
9/8/2016			0.0015 (J)	<0.005	
9/9/2016	<0.005	<0.005			
10/25/2016					
10/26/2016	<0.005		0.0016 (J)	<0.005	
10/27/2016		<0.005			
1/5/2017					
1/6/2017				<0.005	
1/9/2017	<0.005	<0.005	0.0013 (J)		
1/12/2017					
2/9/2017					
3/14/2017					
3/15/2017	<0.005		0.0019 (J)	<0.005	
3/16/2017		0.0018 (J)			
3/21/2017					
3/23/2017					
5/16/2017					
5/17/2017					
5/18/2017	0.0011 (J)	<0.005	0.0012 (J)	<0.005	
5/19/2017					
5/23/2017					
7/19/2017				<0.005	
9/15/2017	<0.005		0.0012 (J)		
9/18/2017		<0.005			
9/19/2017				<0.005	
3/12/2018		<0.005			
3/13/2018	<0.005		<0.005	<0.005	
3/14/2018					
9/6/2018			<0.005		
9/7/2018	<0.005	<0.005		<0.005	
9/10/2018					
9/11/2018					
3/6/2019					
3/7/2019	<0.005	<0.005	<0.005		
3/8/2019				<0.005	
3/11/2019					
3/12/2019					
9/4/2019	0.0014 (J)			<0.005	
9/5/2019		<0.005	0.0016 (J)		
9/6/2019					
3/2/2020					
3/3/2020			0.0017 (J)	<0.005	
3/4/2020	<0.005	0.00079 (J)			
9/3/2020					
9/4/2020	0.0012 (J)	<0.005			
9/8/2020			0.0014 (J)		
9/9/2020				<0.005	
9/14/2020					
2/24/2021					
2/25/2021	0.001 (J)	0.00083 (J)	0.0017 (J)	<0.005	

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/15/2023 9:05 AM View: Appendix I - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWA-54 (bg)	GWA-51RZ (bg)	GWA-36A (bg)
2/26/2021					
3/9/2021					
3/26/2021					
7/27/2021			0.0016 (J)		
7/28/2021	<0.005	<0.005		<0.005	
7/29/2021					
8/2/2021					
8/6/2021					
1/25/2022			0.0013 (J)		
1/26/2022	<0.005			<0.005	
1/27/2022		<0.005			
1/28/2022					
8/5/2022	<0.005		0.0016 (J)		
8/8/2022		<0.005			<0.005
8/9/2022				<0.005	
8/10/2022					
2/8/2023					<0.005
2/9/2023					
8/2/2023					<0.005
8/3/2023					
8/4/2023					

FIGURE F.

Appendix I Trend Tests - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/22/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-37 (bg)	-0.0001555	-186	-146	Yes	30	33.33	n/a	0.01	NP
Barium (mg/L)	GWA-36RA (bg)	0.001675	174	146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-37 (bg)	-0.0005378	-220	-146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-38 (bg)	-0.0002648	-140	-139	Yes	29	0	n/a	0.01	NP
Barium (mg/L)	GWA-52 (bg)	-0.002386	-193	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-53 (bg)	-0.001855	-249	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-55R (bg)	-0.004851	-221	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-56 (bg)	0.002669	238	131	Yes	28	3.571	n/a	0.01	NP

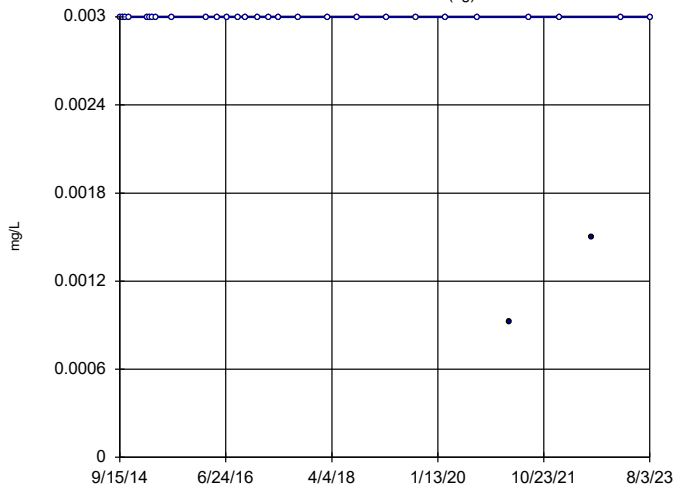
Appendix I Trend Tests - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 1/22/2024, 11:28 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Antimony (mg/L)	GWA-36RA (bg)	0	-43	-146	No	30	93.33	n/a	0.01	NP
Antimony (mg/L)	GWA-37 (bg)	-0.0001555	-186	-146	Yes	30	33.33	n/a	0.01	NP
Antimony (mg/L)	GWA-38 (bg)	0	0	146	No	30	100	n/a	0.01	NP
Antimony (mg/L)	GWA-51RZ (bg)	0	-78	-124	No	27	62.96	n/a	0.01	NP
Antimony (mg/L)	GWA-52 (bg)	0	-23	-131	No	28	96.43	n/a	0.01	NP
Antimony (mg/L)	GWA-53 (bg)	0	-60	-131	No	28	71.43	n/a	0.01	NP
Antimony (mg/L)	GWA-53R (bg)	0	-90	-131	No	28	50	n/a	0.01	NP
Antimony (mg/L)	GWA-54 (bg)	0	-52	-131	No	28	85.71	n/a	0.01	NP
Antimony (mg/L)	GWA-55 (bg)	0	-9	-131	No	28	92.86	n/a	0.01	NP
Antimony (mg/L)	GWA-55R (bg)	0	-6	-131	No	28	85.71	n/a	0.01	NP
Antimony (mg/L)	GWA-56 (bg)	0	-1	-131	No	28	96.43	n/a	0.01	NP
Antimony (mg/L)	GWC-17R	0	42	146	No	30	90	n/a	0.01	NP
Barium (mg/L)	GWA-36RA (bg)	0.001675	174	146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-37 (bg)	-0.0005378	-220	-146	Yes	30	0	n/a	0.01	NP
Barium (mg/L)	GWA-38 (bg)	-0.0002648	-140	-139	Yes	29	0	n/a	0.01	NP
Barium (mg/L)	GWA-51RZ (bg)	0.001487	92	131	No	28	0	n/a	0.01	NP
Barium (mg/L)	GWA-52 (bg)	-0.002386	-193	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-53 (bg)	-0.001855	-249	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-53R (bg)	0	51	131	No	28	0	n/a	0.01	NP
Barium (mg/L)	GWA-54 (bg)	-0.0004323	-42	-131	No	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-55 (bg)	-0.0002675	-33	-131	No	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-55R (bg)	-0.004851	-221	-131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWA-56 (bg)	0.002669	238	131	Yes	28	3.571	n/a	0.01	NP
Barium (mg/L)	GWC-23R	-0.0001476	-13	-146	No	30	0	n/a	0.01	NP
Chromium (mg/L)	GWA-36RA (bg)	0	33	146	No	30	66.67	n/a	0.01	NP
Chromium (mg/L)	GWA-37 (bg)	0	71	139	No	29	86.21	n/a	0.01	NP
Chromium (mg/L)	GWA-38 (bg)	-0.00004312	-53	-146	No	30	23.33	n/a	0.01	NP
Chromium (mg/L)	GWA-51RZ (bg)	0	-101	-111	No	25	72	n/a	0.01	NP
Chromium (mg/L)	GWA-52 (bg)	-0.00003216	-120	-131	No	28	50	n/a	0.01	NP
Chromium (mg/L)	GWA-53 (bg)	0	-59	-131	No	28	75	n/a	0.01	NP
Chromium (mg/L)	GWA-53R (bg)	0	-69	-131	No	28	78.57	n/a	0.01	NP
Chromium (mg/L)	GWA-54 (bg)	0	-3	-131	No	28	32.14	n/a	0.01	NP
Chromium (mg/L)	GWA-55 (bg)	0	-95	-131	No	28	67.86	n/a	0.01	NP
Chromium (mg/L)	GWA-55R (bg)	0	-9	-131	No	28	82.14	n/a	0.01	NP
Chromium (mg/L)	GWA-56 (bg)	0	-53	-131	No	28	82.14	n/a	0.01	NP
Chromium (mg/L)	GWC-21R	0	37	146	No	30	56.67	n/a	0.01	NP

Sen's Slope Estimator

GWA-36RA (bg)

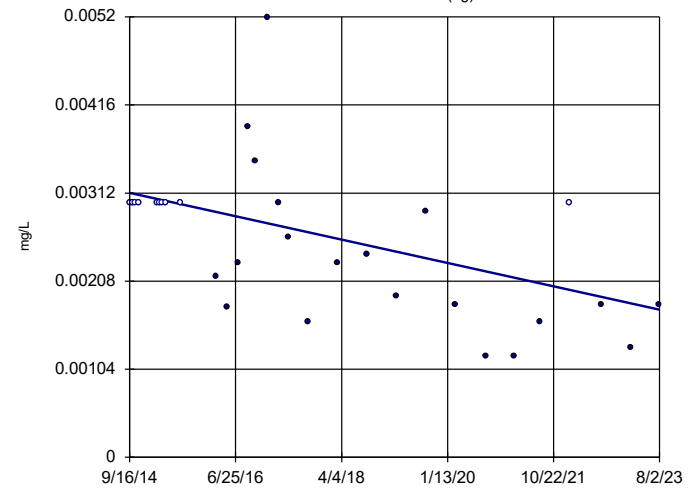


n = 30
Slope = 0
units per year.
Mann-Kendall
statistic = -43
critical = -146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

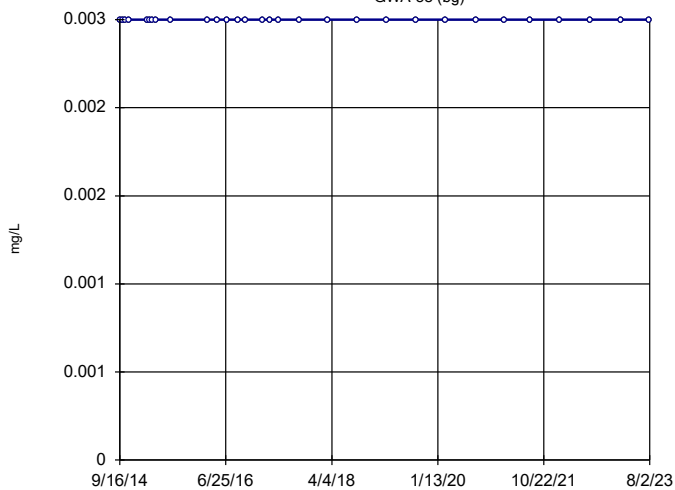


n = 30
Slope = -0.0001555
units per year.
Mann-Kendall
statistic = -186
critical = -146
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

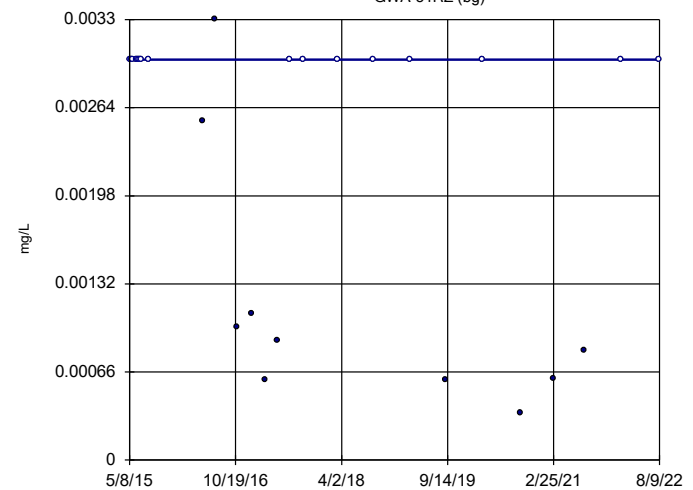


n = 30
Slope = 0
units per year.
Mann-Kendall
statistic = 0
critical = 146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

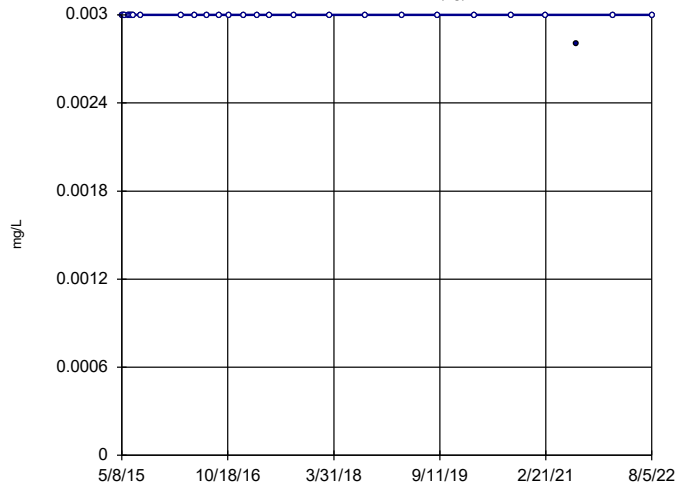


n = 27
Slope = 0
units per year.
Mann-Kendall
statistic = -78
critical = -124
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

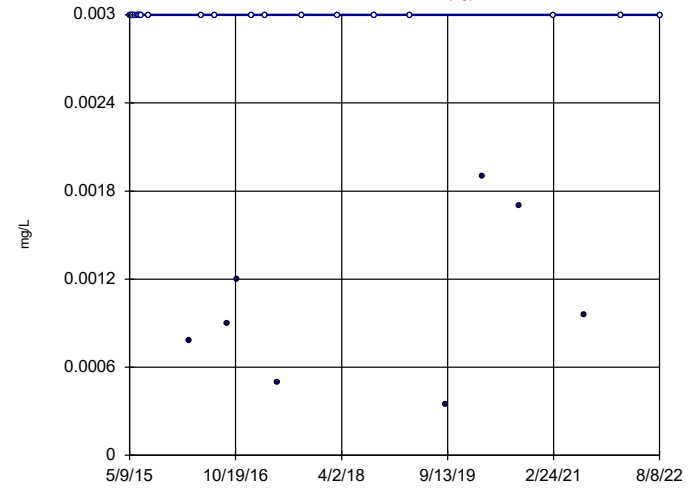


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -23
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

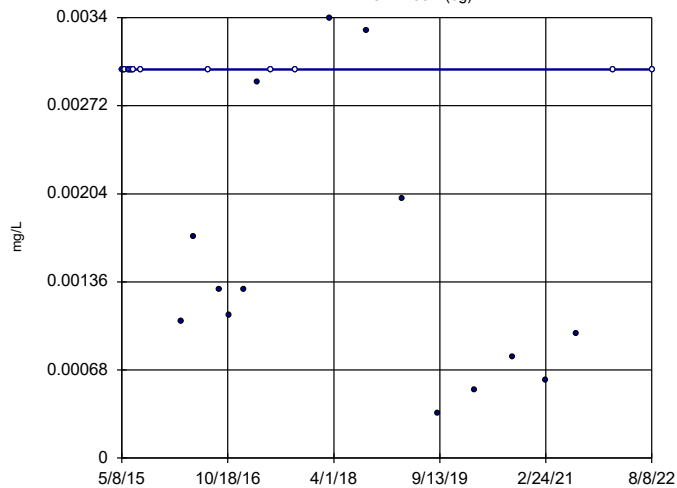


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -60
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

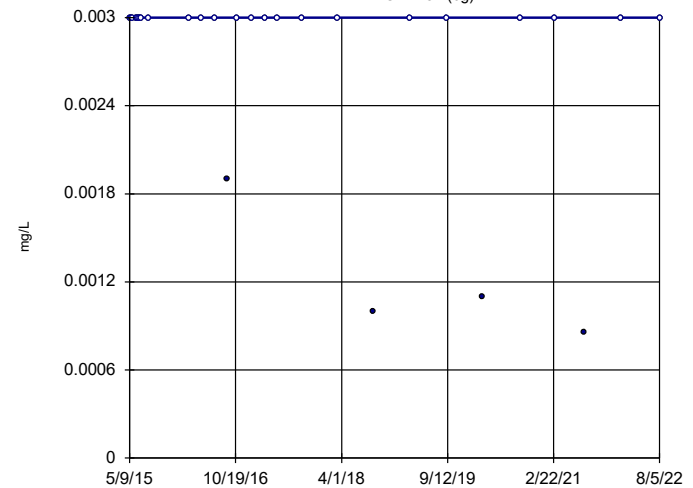


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -90
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

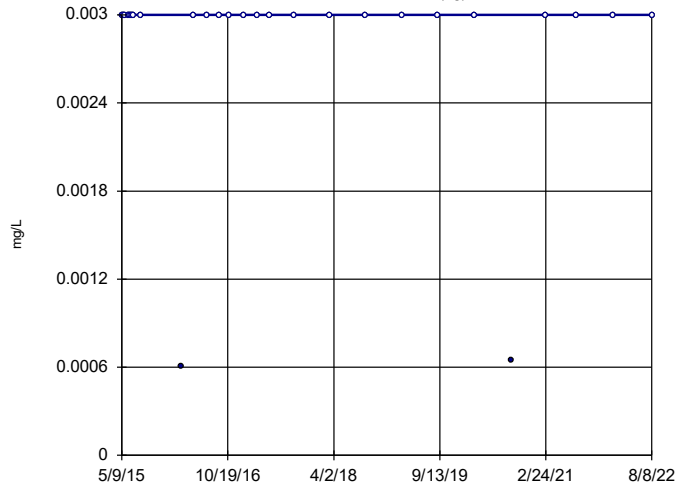


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -52
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

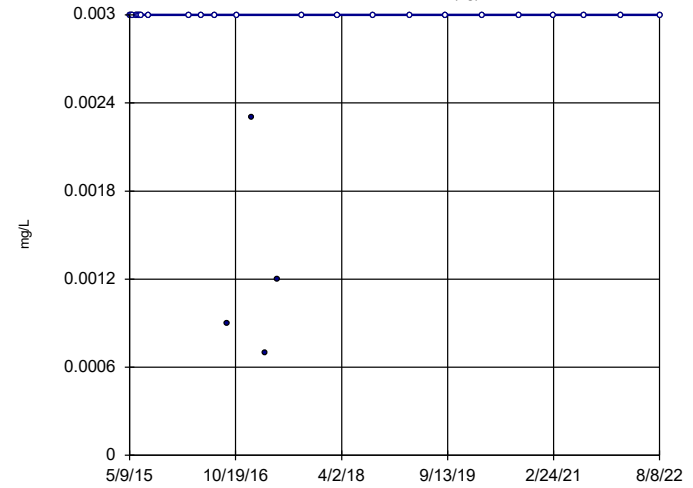


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -9
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

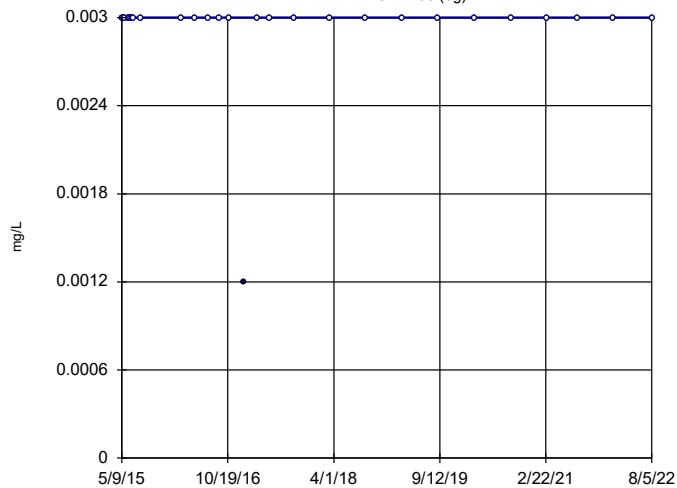


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -6
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

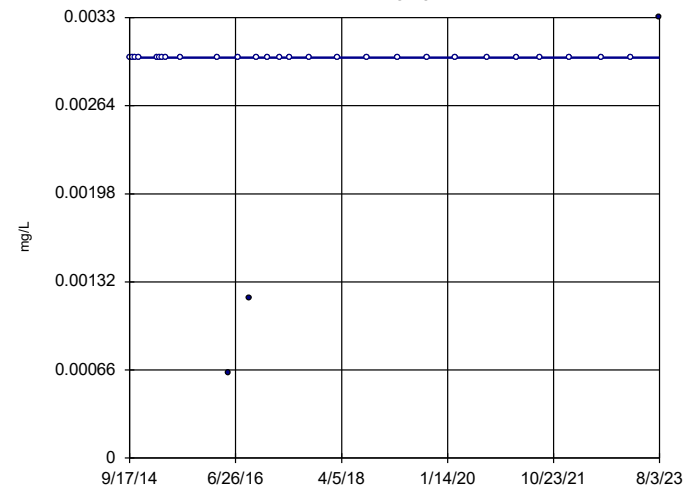


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -1
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-17R

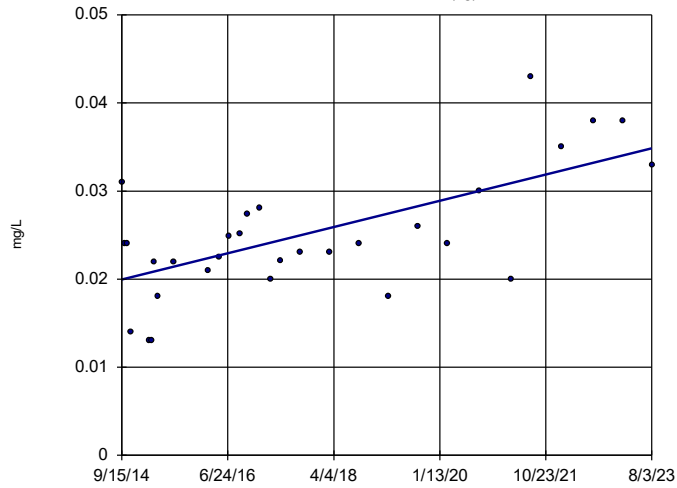


n = 30
Slope = 0
units per year.
Mann-Kendall
statistic = 42
critical = 146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Antimony Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

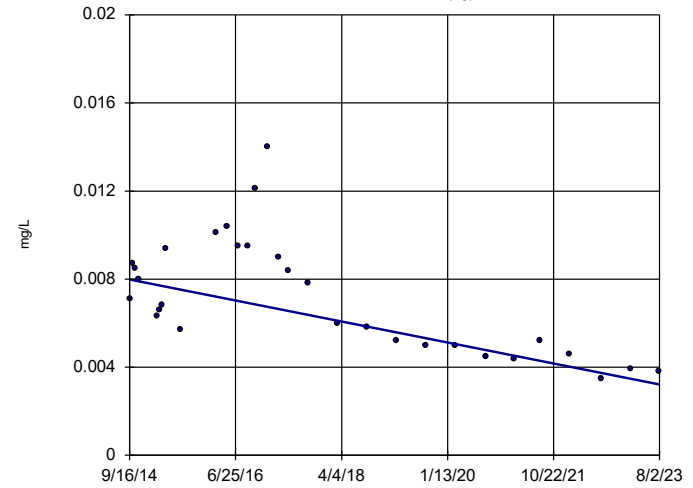
GWA-36RA (bg)



Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

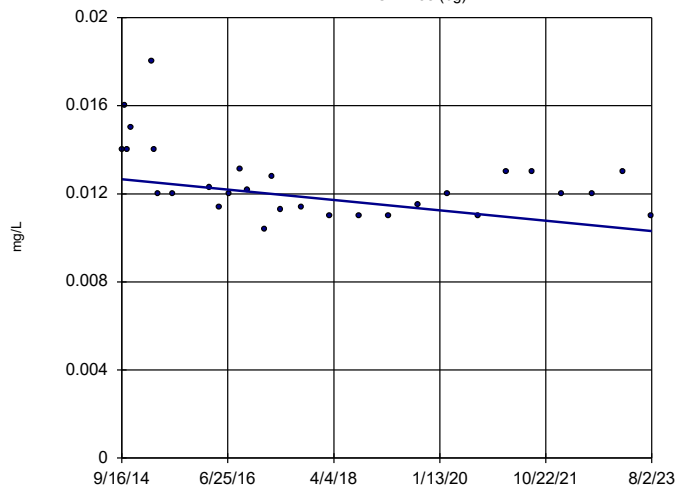
GWA-37 (bg)



Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

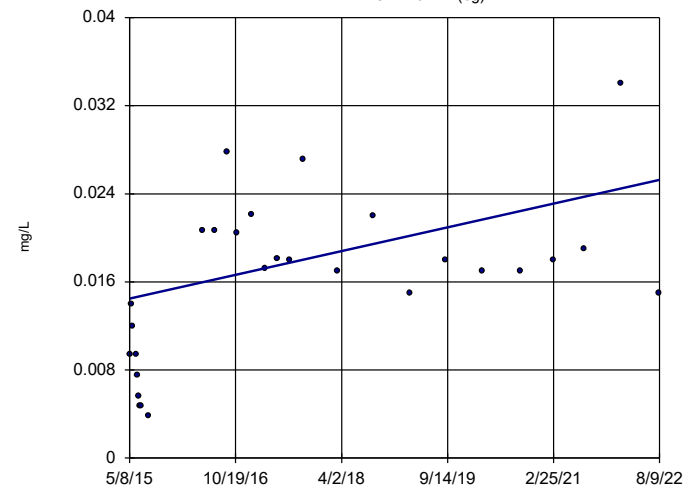
GWA-38 (bg)



Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

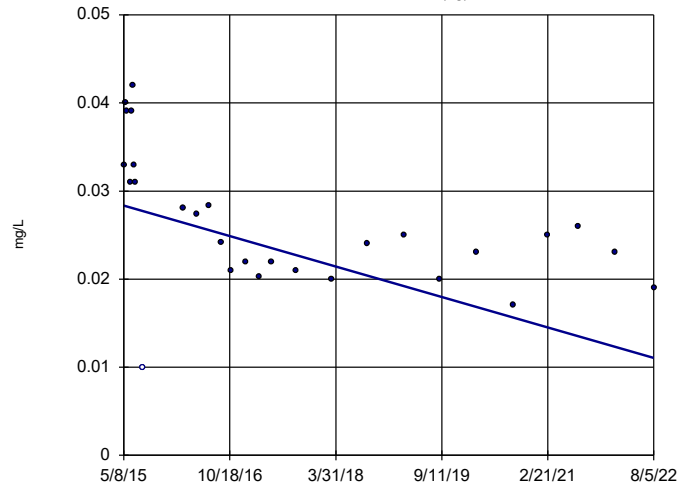
GWA-51RZ (bg)



Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

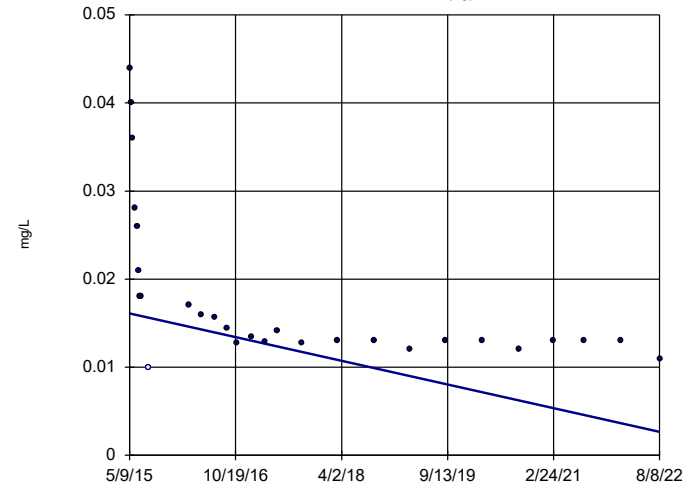


n = 28
Slope = -0.002386
units per year.
Mann-Kendall
statistic = -193
critical = -131
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

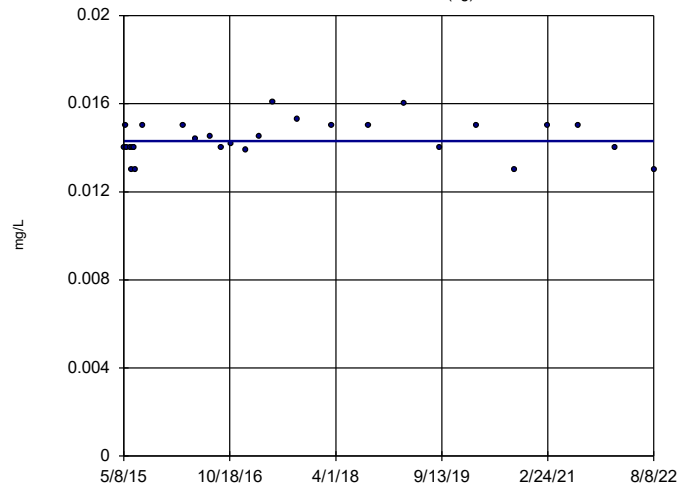


n = 28
Slope = -0.001855
units per year.
Mann-Kendall
statistic = -249
critical = -131
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

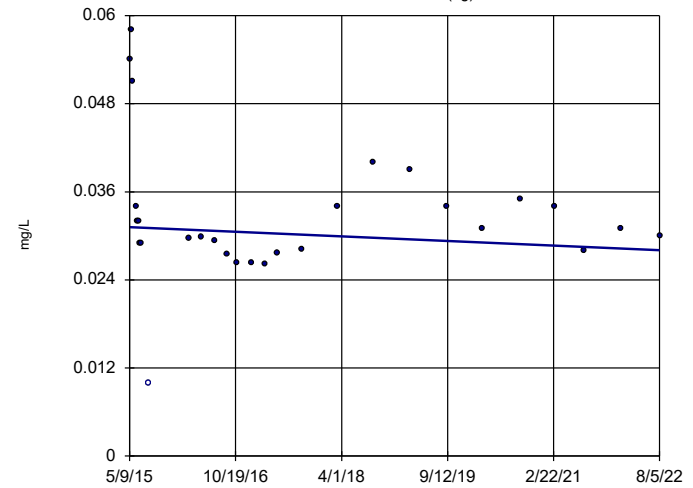


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = 51
critical = 131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-54 (bg)

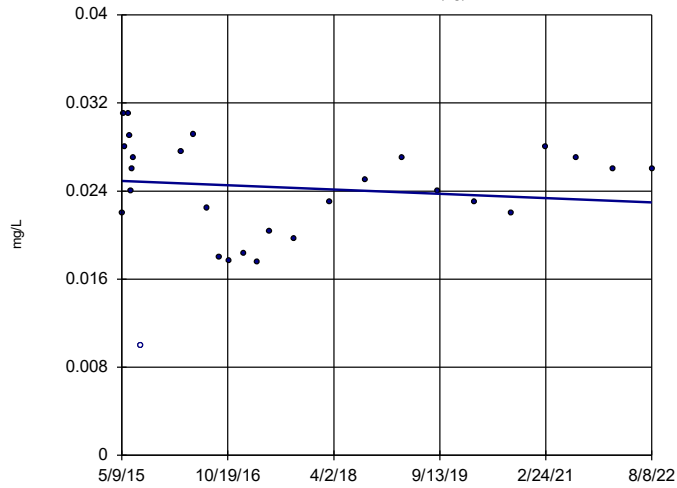


n = 28
Slope = -0.0004323
units per year.
Mann-Kendall
statistic = -42
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

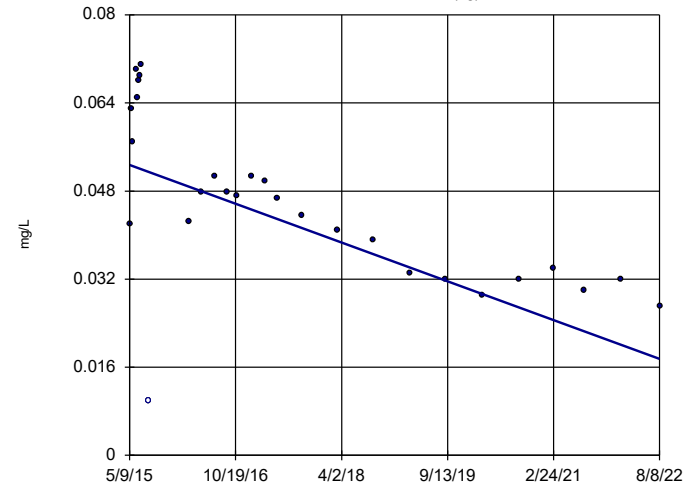


n = 28
Slope = -0.0002675
units per year.
Mann-Kendall
statistic = -33
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

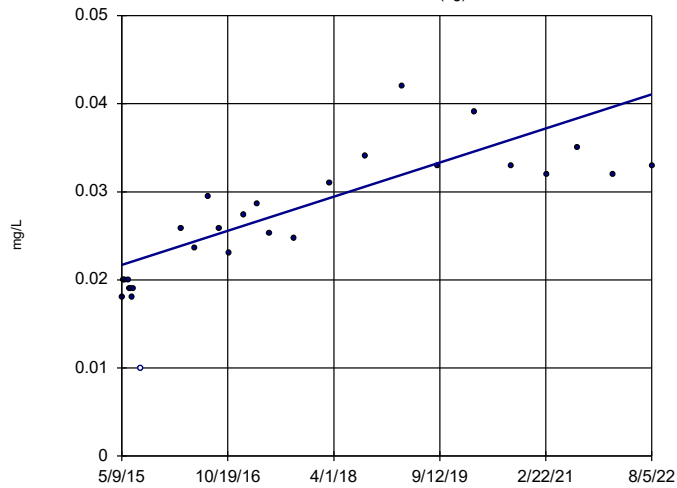


n = 28
Slope = -0.004851
units per year.
Mann-Kendall
statistic = -221
critical = -131
Decreasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

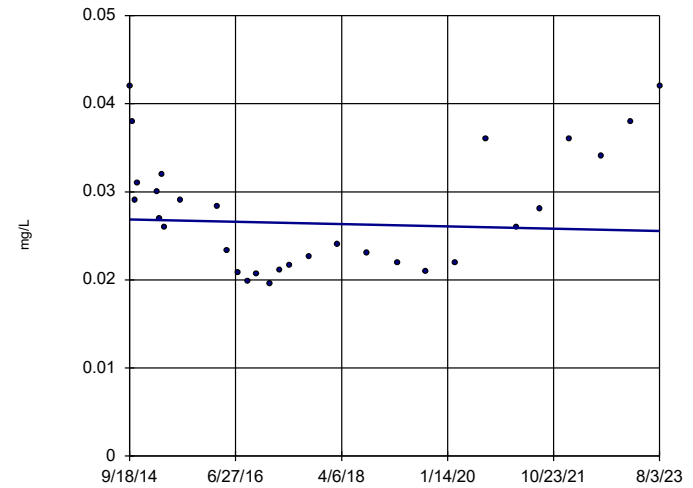


n = 28
Slope = 0.002669
units per year.
Mann-Kendall
statistic = 238
critical = 131
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-23R

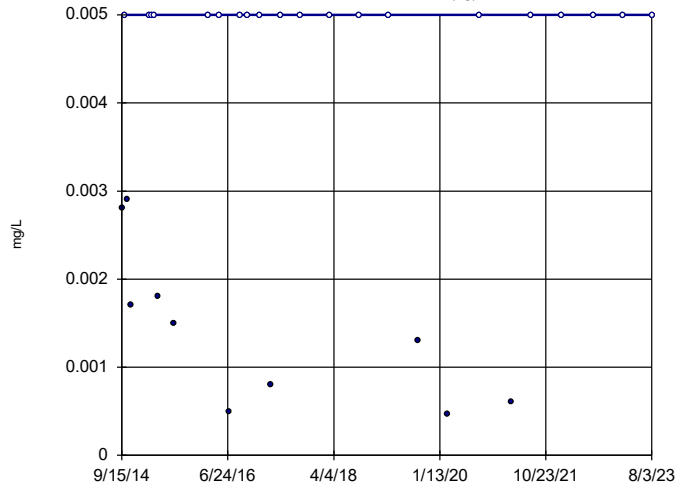


n = 30
Slope = -0.0001476
units per year.
Mann-Kendall
statistic = -13
critical = -146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Barium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

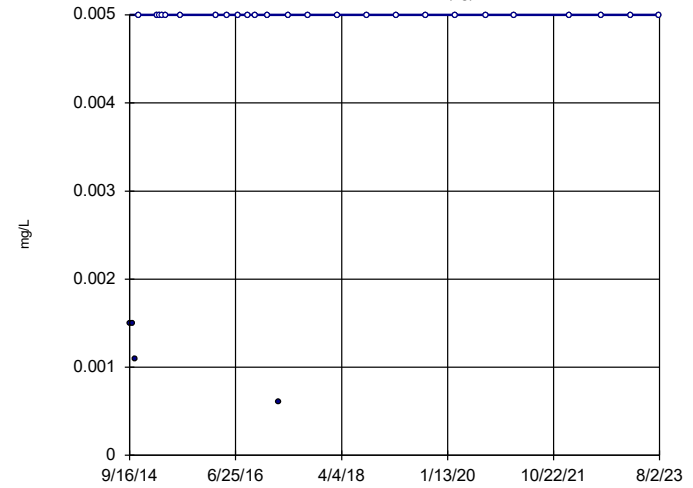


n = 30
Slope = 0
units per year.
Mann-Kendall
statistic = 33
critical = 146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

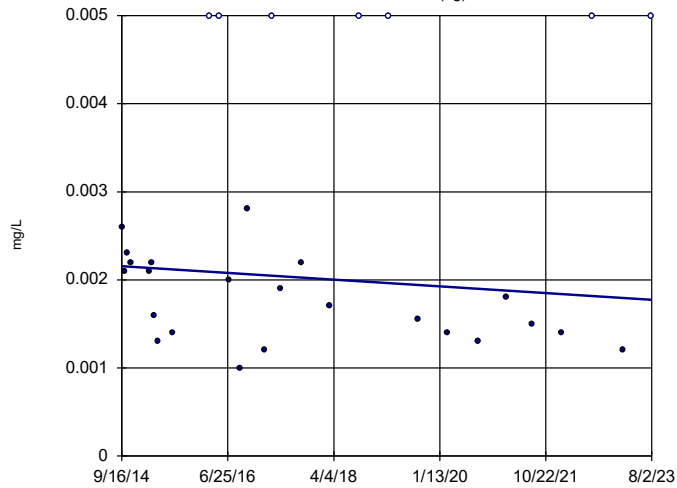


n = 29
Slope = 0
units per year.
Mann-Kendall
statistic = 71
critical = 139
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

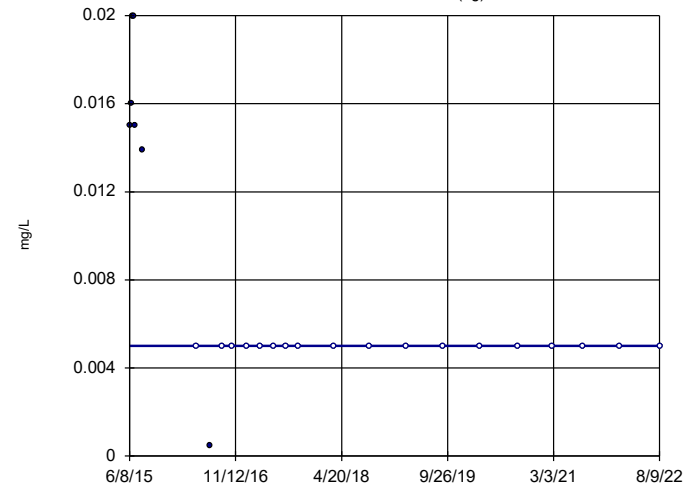


n = 30
Slope = -0.00004312
units per year.
Mann-Kendall
statistic = -53
critical = -146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

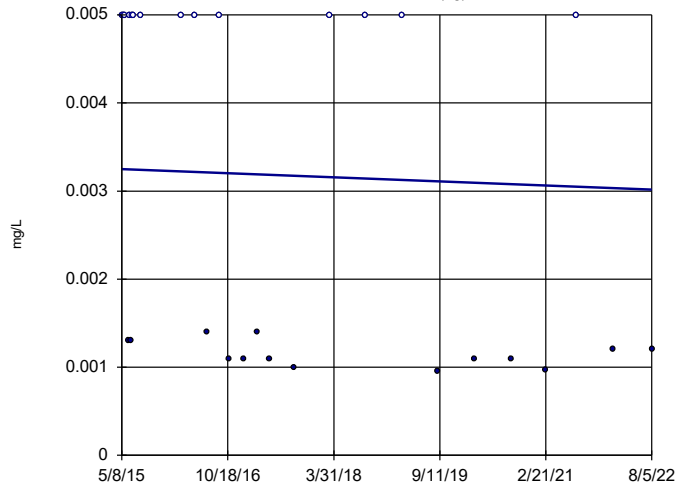


n = 25
Slope = 0
units per year.
Mann-Kendall
statistic = -101
critical = -111
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

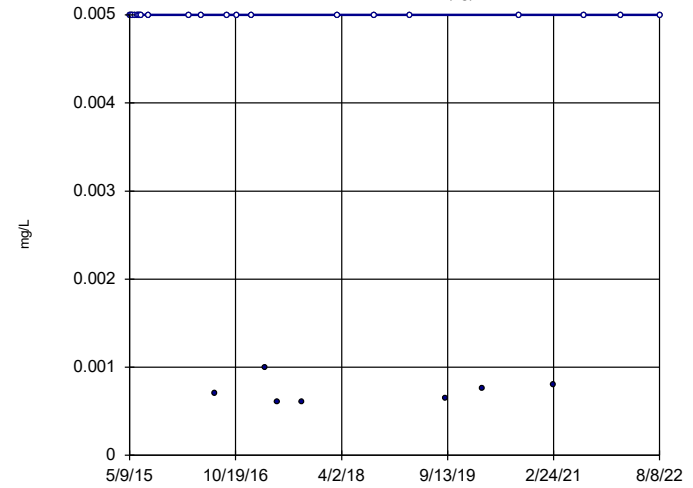
GWA-52 (bg)



Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

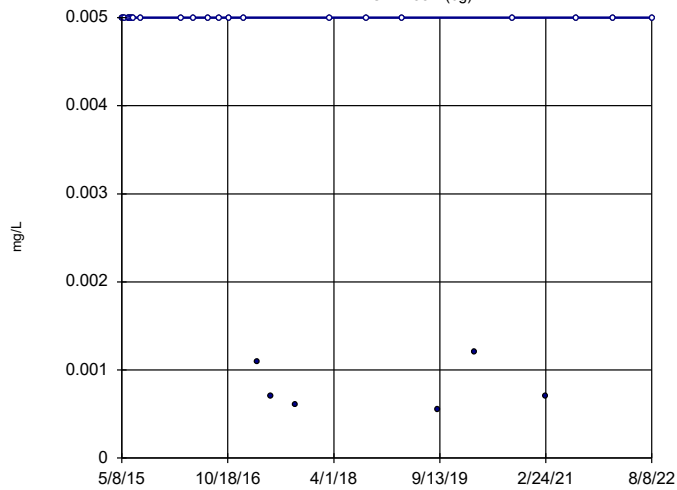
GWA-53 (bg)



Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

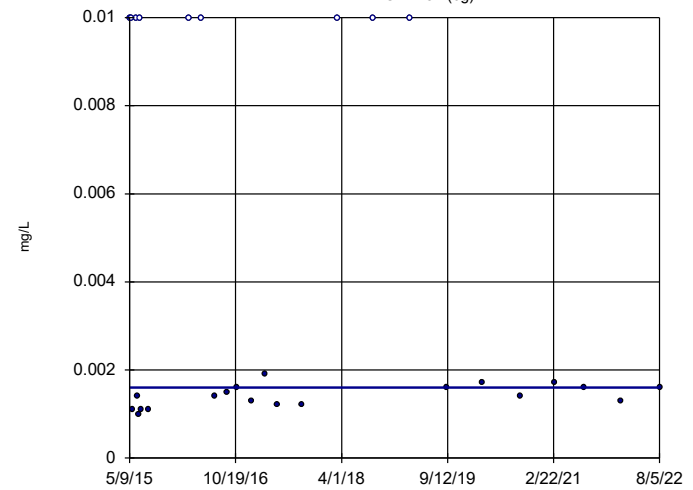
GWA-53R (bg)



Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

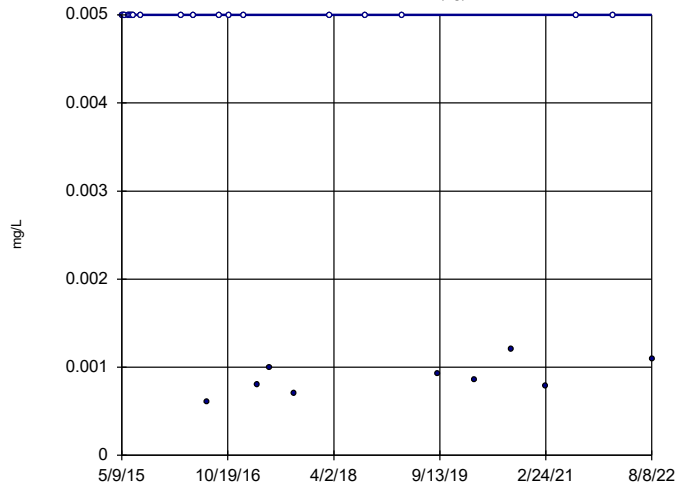
GWA-54 (bg)



Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55 (bg)

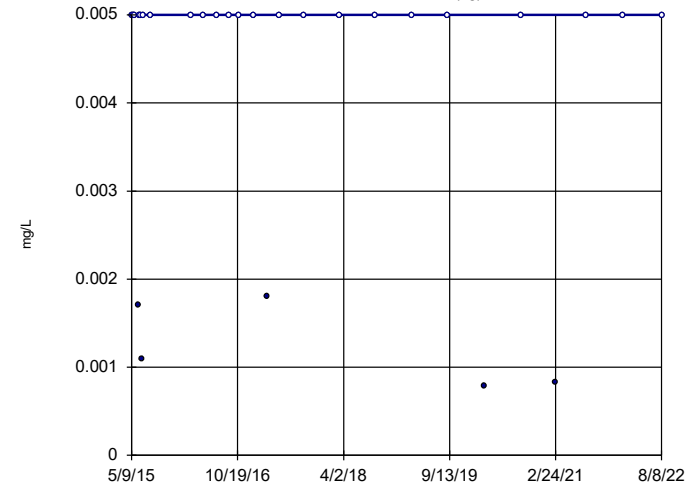


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -95
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-55R (bg)

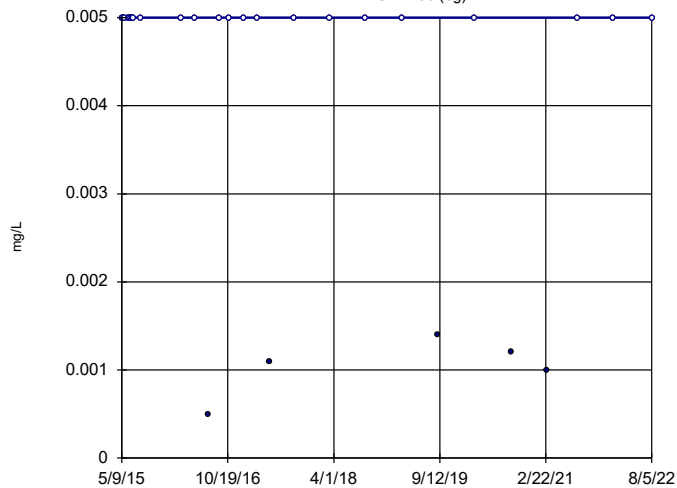


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -9
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

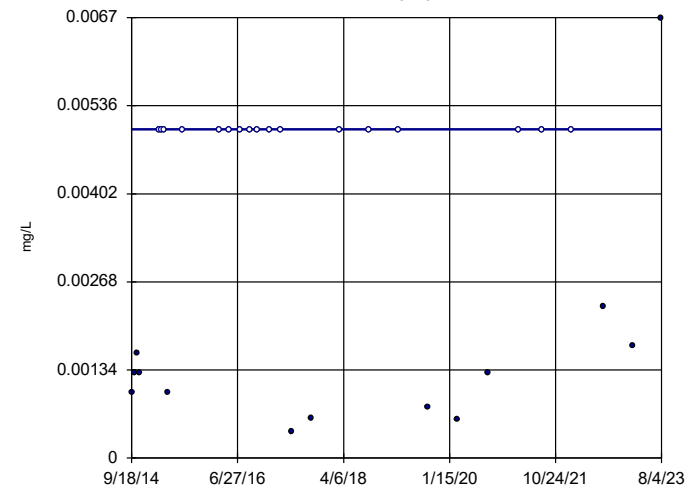


n = 28
Slope = 0
units per year.
Mann-Kendall
statistic = -53
critical = -131
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-21R



n = 30
Slope = 0
units per year.
Mann-Kendall
statistic = 37
critical = 146
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Chromium Analysis Run 1/22/2024 11:26 AM View: Appendix I - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

FIGURE G.

Appendix III Intrawell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 8:49 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-38	3.398	n/a	8/2/2023	3.4	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	8/3/2023	6.835	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	8/2/2023	4.69	Yes	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	8/2/2023	4.41	Yes	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	8/4/2023	6.745	Yes	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	8/3/2023	6.97	Yes	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	8/4/2023	7.39	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	8/4/2023	7.2	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	8/3/2023	7.27	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	8/4/2023	6.73	Yes	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	8/3/2023	6.62	Yes	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	8/3/2023	6.74	Yes	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	8/3/2023	2.2	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	8/3/2023	536	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2

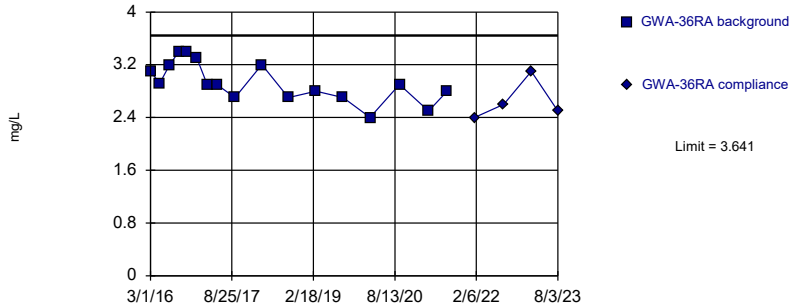
Appendix III Intrawell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 8:49 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-36RA	3.641	n/a	8/3/2023	2.5	No	17	2.93	0.2972	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-37	1.427	n/a	8/2/2023	1	No	17	0.977	0.1882	5.882	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWA-38	3.398	n/a	8/2/2023	3.4	Yes	17	2.585	0.34	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-16R	2.97	n/a	8/4/2023	1.1	No	17	1.716	0.5242	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-17R	8.196	n/a	8/3/2023	4.2	No	17	5.841	0.9845	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	2.662	n/a	8/3/2023	1.9	No	17	1.472	0.06659	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-18R	3.3	n/a	8/4/2023	2.2	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Chloride (mg/L)	GWC-19R	2.953	n/a	8/4/2023	2.3	No	17	2.441	0.214	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-20R	2.542	n/a	8/3/2023	1.5	No	17	1.768	0.3233	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-21R	5.542	n/a	8/4/2023	3.1	No	17	4.188	0.5658	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-22R	3.295	n/a	8/3/2023	2.3	No	17	2.728	0.2371	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-23R	2.864	n/a	8/3/2023	1.8	No	17	1.939	0.3865	0	None	No	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-24R	3.25	n/a	8/3/2023	2.1	No	17	5.819	1.983	5.882	None	x^2	0.0006839	Param Intra 1 of 2
Chloride (mg/L)	GWC-25R	3.132	n/a	8/3/2023	2.3	No	17	2.594	0.225	0	None	No	0.0006839	Param Intra 1 of 2
pH (pH units)	GWA-36RA	7.677	6.978	8/3/2023	6.835	Yes	17	7.328	0.1461	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-37	6.271	4.879	8/2/2023	4.69	Yes	17	5.575	0.291	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWA-38	6.077	4.803	8/2/2023	4.41	Yes	17	5.44	0.2662	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-16R	7.503	6.84	8/4/2023	6.745	Yes	17	7.172	0.1385	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-17R	7.329	7.078	8/3/2023	6.97	Yes	17	7.204	0.05255	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18	7.389	5.993	8/3/2023	6.19	No	17	2135	353.4	0	None	x^4	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-18R	8.014	7.486	8/4/2023	7.39	Yes	17	7.75	0.1103	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-19R	7.85	7.543	8/4/2023	7.2	Yes	17	7.696	0.06412	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-20R	7.917	7.363	8/3/2023	7.27	Yes	18	7.64	0.1171	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-21R	7.289	6.809	8/4/2023	6.73	Yes	17	7.049	0.1002	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-22R	8.049	6.933	8/3/2023	6.62	Yes	18	7.491	0.2361	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-23R	7.755	6.954	8/3/2023	6.74	Yes	18	7.354	0.1695	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-24R	7.983	6.832	8/3/2023	7.02	No	17	7.408	0.2406	0	None	No	0.000342	Param Intra 1 of 2
pH (pH units)	GWC-25R	7.983	7.191	8/3/2023	7.26	No	17	7.587	0.1654	0	None	No	0.000342	Param Intra 1 of 2
Sulfate (mg/L)	GWA-36RA	11.17	n/a	8/3/2023	4.2	No	17	1.839	0.6284	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-37	1.121	n/a	8/2/2023	0.57J	No	17	0.6744	0.1865	29.41	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWA-38	2.638	n/a	8/2/2023	0.67J	No	17	1.136	0.6276	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-16R	14.24	n/a	8/4/2023	6.1	No	17	7.264	2.917	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-17R	8.894	n/a	8/3/2023	7	No	16	6.593	0.9504	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	2.57	n/a	8/3/2023	1.5	No	17	1.96	0.2549	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18R	2.835	n/a	8/4/2023	2.2	No	16	2.259	0.2378	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19R	4.3	n/a	8/4/2023	3.6	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-20R	1.892	n/a	8/3/2023	1.4	No	17	1.893	0.7053	0	None	x^2	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21R	12.48	n/a	8/4/2023	5.8	No	16	4.995	3.09	6.25	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22R	2.913	n/a	8/3/2023	1.7	No	16	1.998	0.3782	0	None	No	0.0006839	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23R	124	n/a	8/3/2023	69.2	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-24R	11.3	n/a	8/3/2023	3	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	1.978	n/a	8/3/2023	2.2	Yes	17	1.616	0.1512	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-36RA	222.5	n/a	8/3/2023	188	No	17	153.6	28.78	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-37	34.34	n/a	8/2/2023	25ND	No	15	17.84	6.664	33.33	Kaplan-Meier	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWA-38	107.8	n/a	8/2/2023	32	No	17	5.762	1.933	29.41	Kaplan-Meier	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-16R	363.4	n/a	8/4/2023	306	No	17	295.8	28.25	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-17R	390.6	n/a	8/3/2023	316	No	17	318.3	30.22	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18	149.8	n/a	8/3/2023	82	No	17	94.65	23.04	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-18R	183.1	n/a	8/4/2023	148	No	17	140.2	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-19R	216.8	n/a	8/4/2023	163	No	17	166.3	21.11	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-20R	234.5	n/a	8/3/2023	193	No	17	191.6	17.93	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-21R	383.4	n/a	8/4/2023	298	No	17	85308	25795	0	None	x^2	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-22R	195.3	n/a	8/3/2023	153	No	17	163.8	13.17	0	None	No	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	457.4	n/a	8/3/2023	536	Yes	18	17.66	1.576	0	None	sqrt(x)	0.0006839	Param Intra 1 of 2
Total Dissolved Solids (mg/l)	GWC-24R	209	n/a	8/3/2023	146	No	17	n/a	n/a	0	n/a	n/a	0.005914	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-25R	196.3	n/a	8/3/2023	170	No	17	24995	5655	0	None	x^2	0.0006839	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric

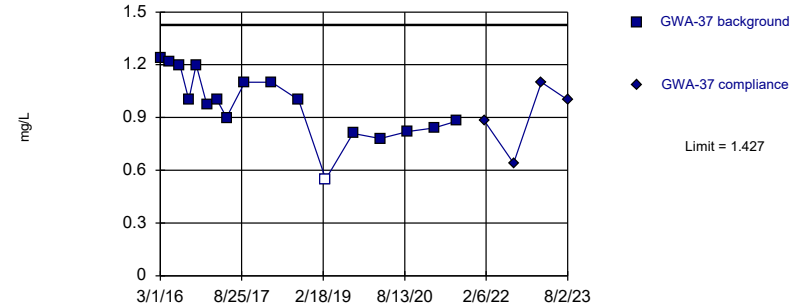


Background Data Summary: Mean=2.93, Std. Dev.=0.2972, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9537, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

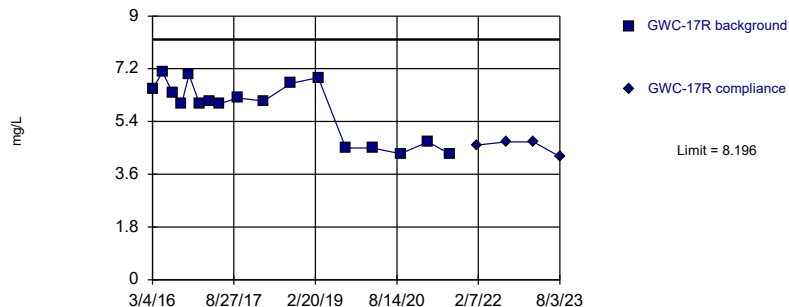
Within Limit

Prediction Limit
Intrawell Parametric



Within Limit

Prediction Limit
Intrawell Parametric

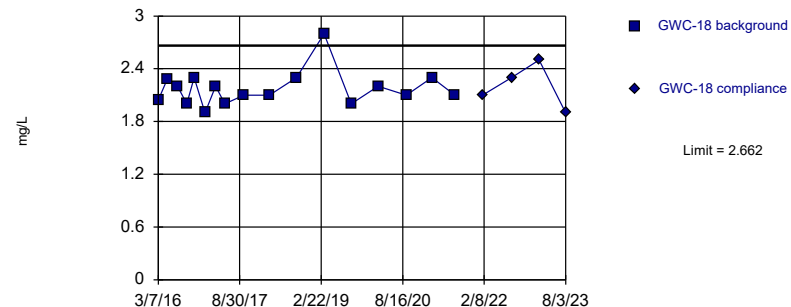


Background Data Summary: Mean=5.841, Std. Dev.=0.9845, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8623, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

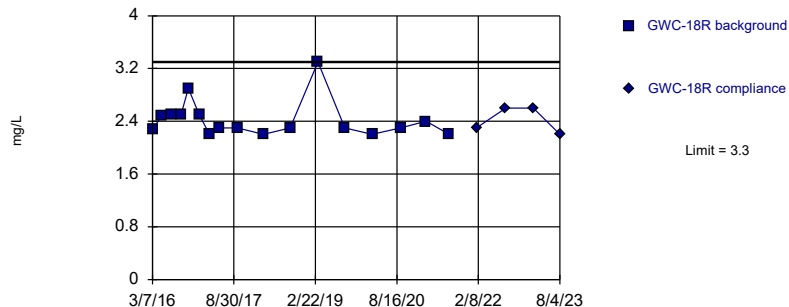


Background Data Summary (based on square root transformation): Mean=1.472, Std. Dev.=0.06659, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8533, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

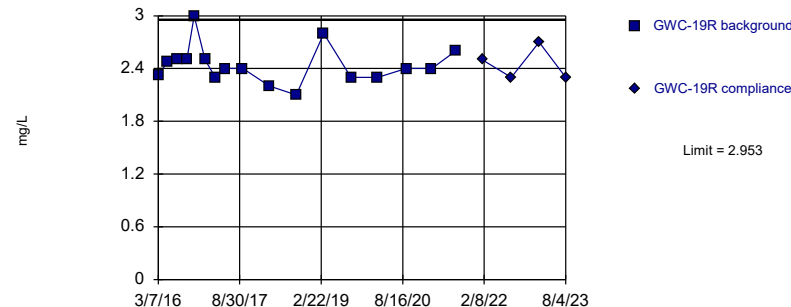


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

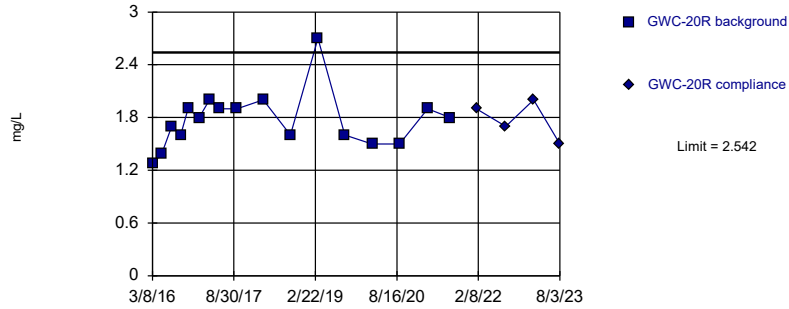


Background Data Summary: Mean=2.441, Std. Dev.=0.214, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9068, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

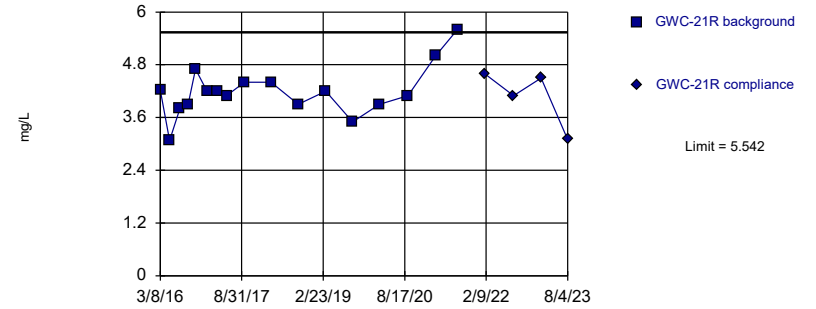


Background Data Summary: Mean=1.768, Std. Dev.=0.3233, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8916, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

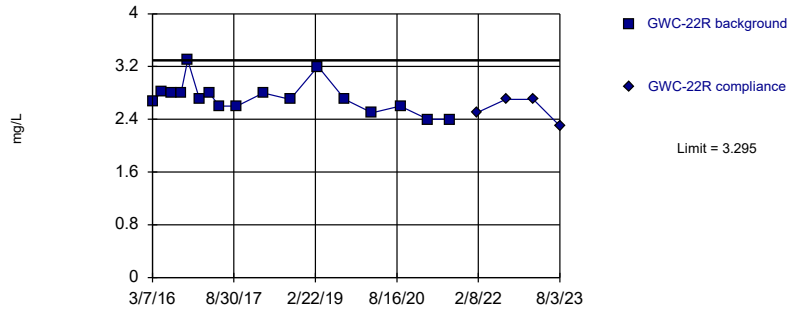


Background Data Summary: Mean=4.188, Std. Dev.=0.5658, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

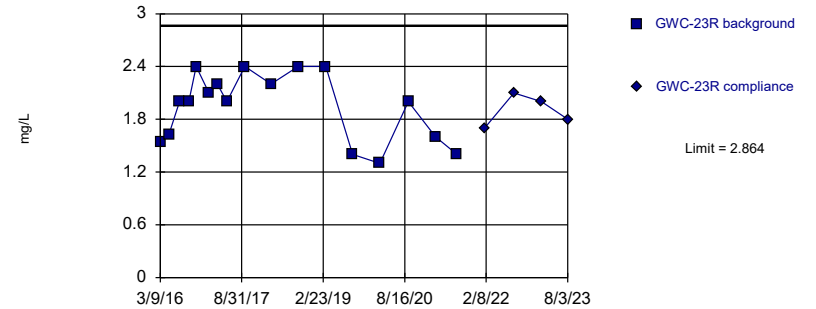


Background Data Summary: Mean=2.728, Std. Dev.=0.2371, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8797, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

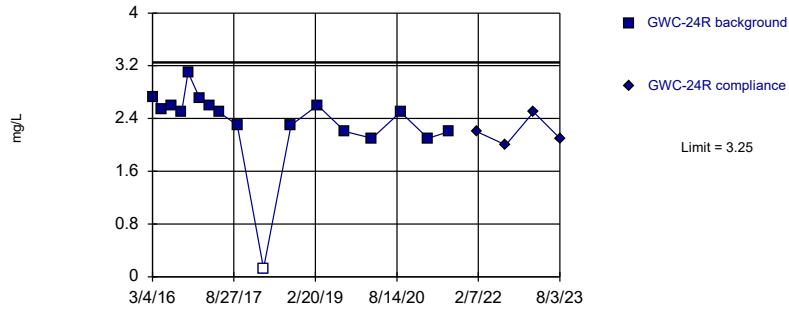


Background Data Summary: Mean=1.939, Std. Dev.=0.3865, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8938, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

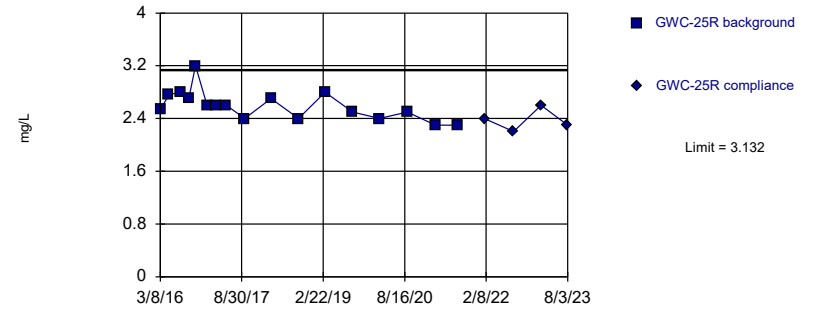


Background Data Summary (based on square transformation): Mean=5.819, Std. Dev.=1.983, n=17, 5.882% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8735, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

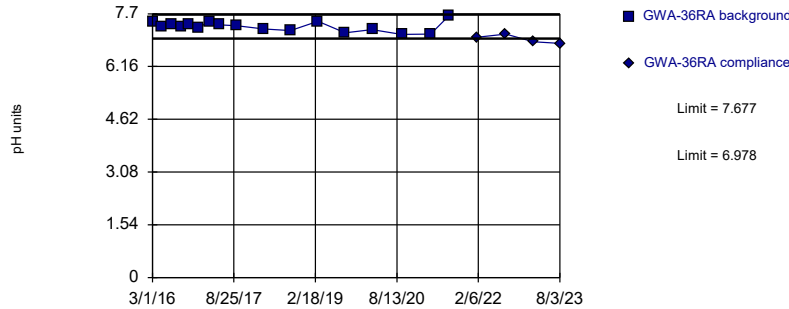


Background Data Summary: Mean=2.594, Std. Dev.=0.225, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9168, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Chloride Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

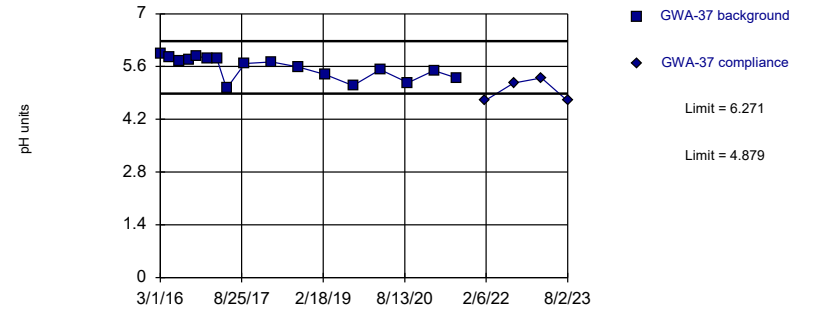


Background Data Summary: Mean=7.328, Std. Dev.=0.1461, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.973, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

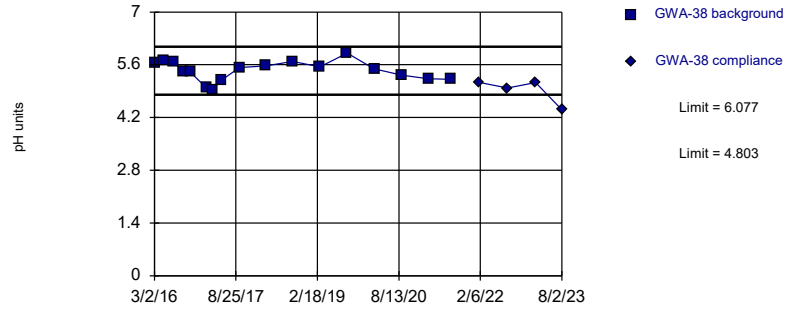


Background Data Summary: Mean=5.575, Std. Dev.=0.291, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9119, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

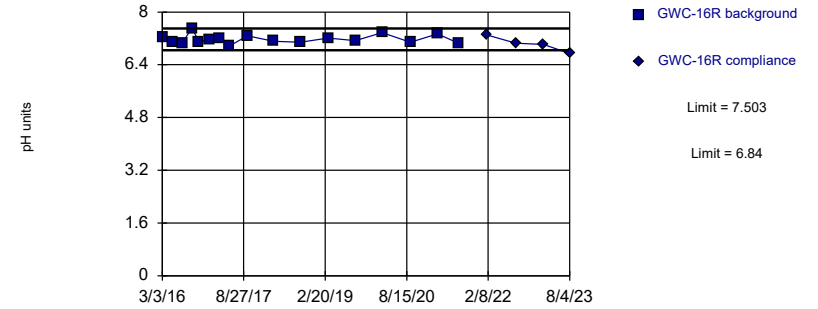


Background Data Summary: Mean=5.44, Std. Dev.=0.2662, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9704, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

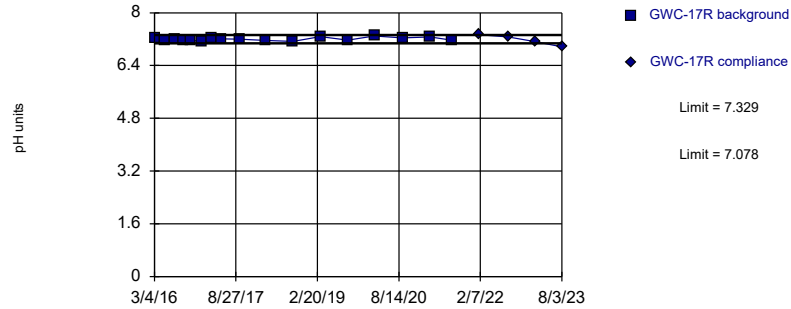


Background Data Summary: Mean=7.172, Std. Dev.=0.1385, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9285, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

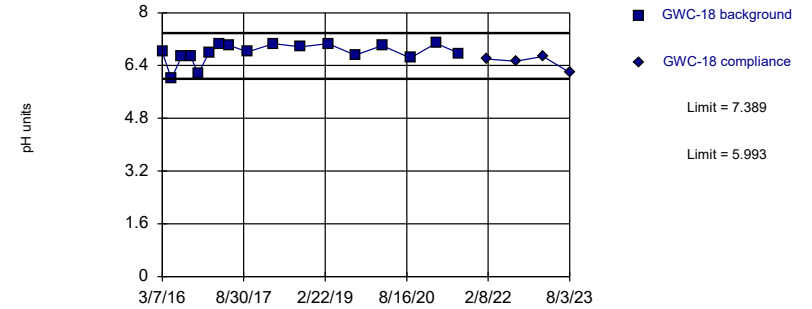


Background Data Summary: Mean=7.204, Std. Dev.=0.05255, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9699, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

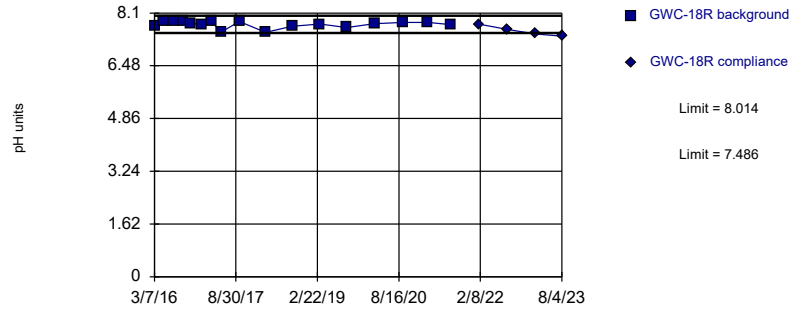


Background Data Summary (based on x^4 transformation): Mean=2135, Std. Dev.=353.4, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8571, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

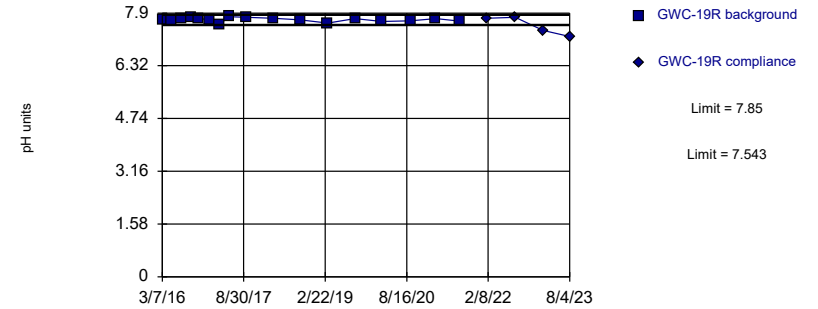


Background Data Summary: Mean=7.75, Std. Dev.=0.1103, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8646, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

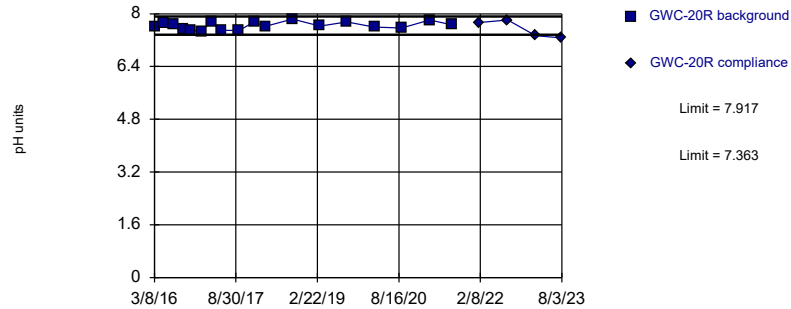


Background Data Summary: Mean=7.696, Std. Dev.=0.06412, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9402, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

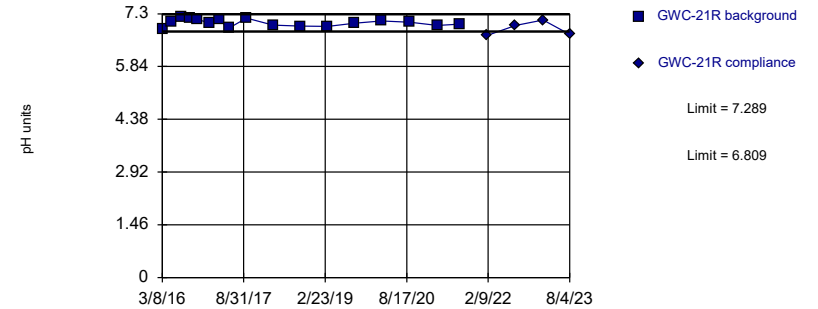


Background Data Summary: Mean=7.64, Std. Dev.=0.1171, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9561, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

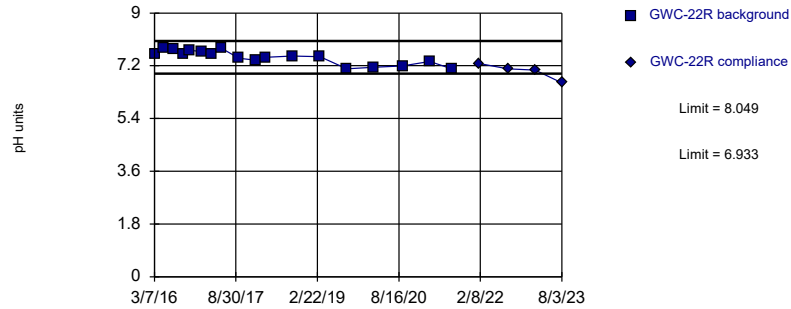


Background Data Summary: Mean=7.049, Std. Dev.=0.1002, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9702, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

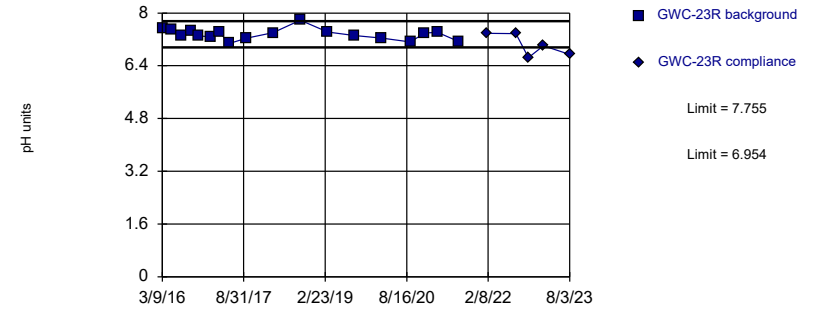


Background Data Summary: Mean=7.491, Std. Dev.=0.2361, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9276, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limits

Prediction Limit
Intrawell Parametric

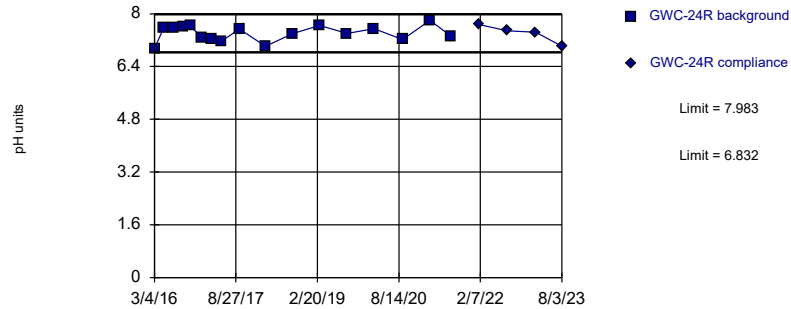


Background Data Summary: Mean=7.354, Std. Dev.=0.1695, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9606, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

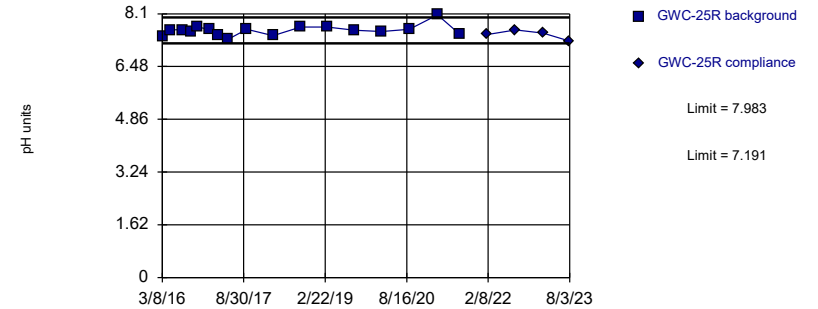


Background Data Summary: Mean=7.408, Std. Dev.=0.2406, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limits

Prediction Limit
Intrawell Parametric

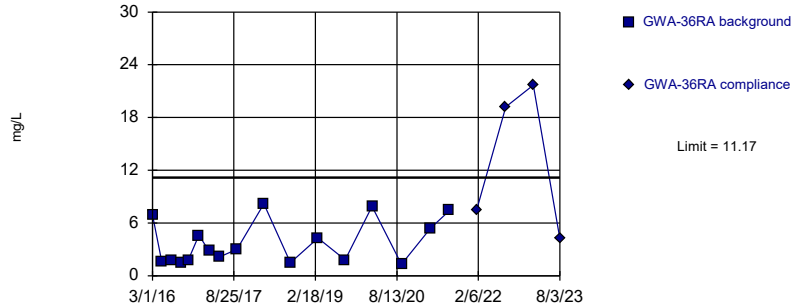


Background Data Summary: Mean=7.587, Std. Dev.=0.1654, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8737, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: pH Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

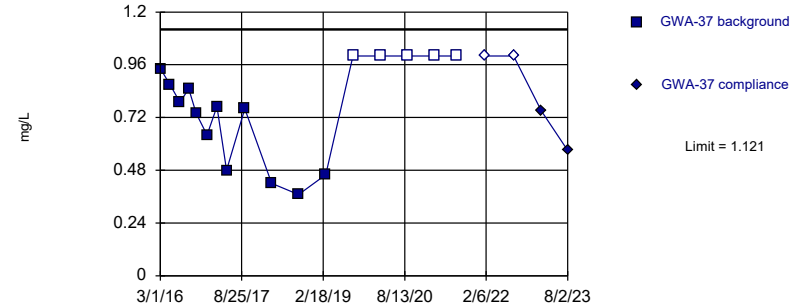


Background Data Summary (based on square root transformation): Mean=1.839, Std. Dev.=0.6284, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8618, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

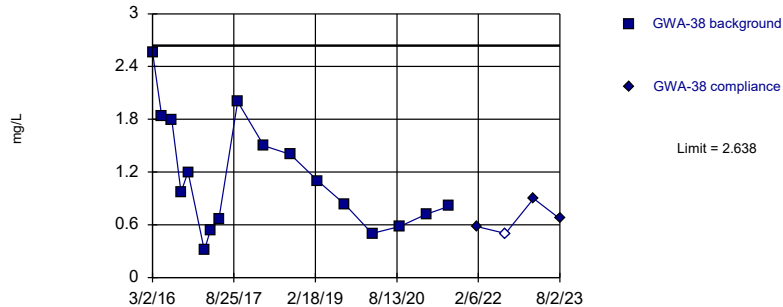


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.6744, Std. Dev.=0.1865, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8734, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

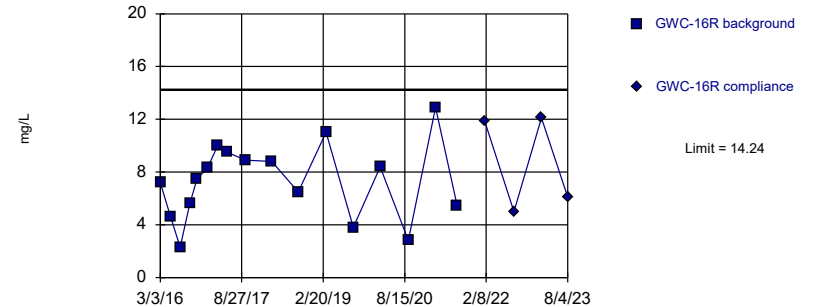


Background Data Summary: Mean=1.136, Std. Dev.=0.6276, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9321, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

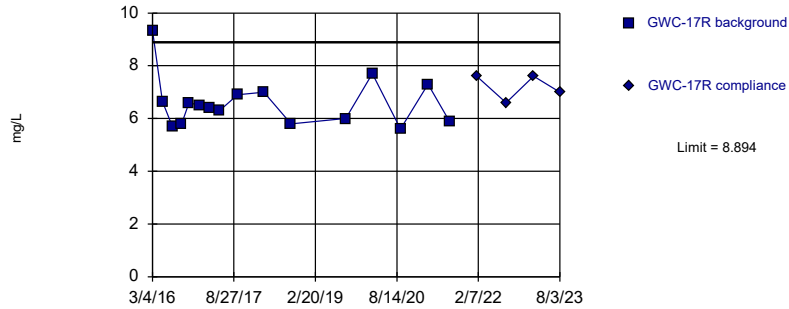
Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=7.264, Std. Dev.=2.917, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9823, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

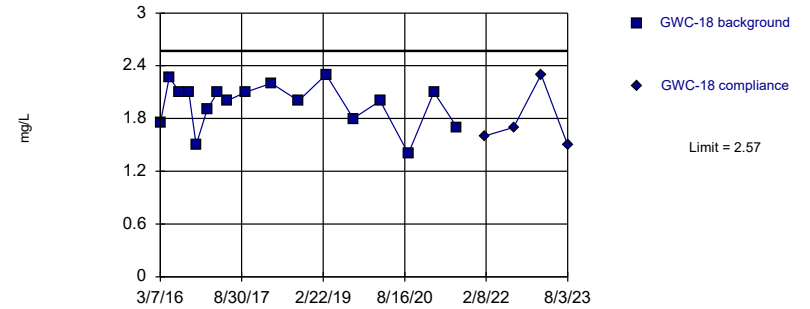
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=6.593, Std. Dev.=0.9504, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8484, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

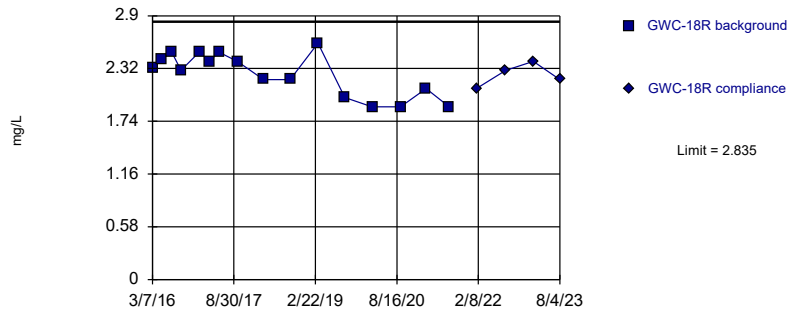
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=1.96, Std. Dev.=0.2549, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

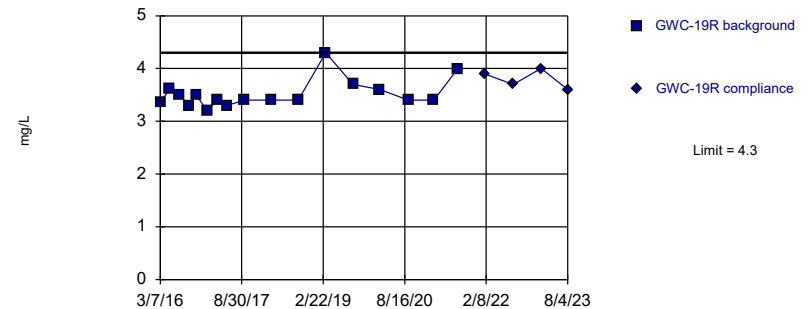
Within Limit Prediction Limit
Intrawell Parametric



Background Data Summary: Mean=2.259, Std. Dev.=0.2378, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9093, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:45 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit Prediction Limit
Intrawell Non-parametric

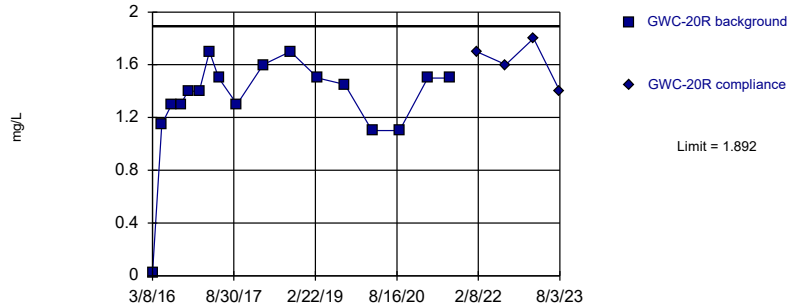


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

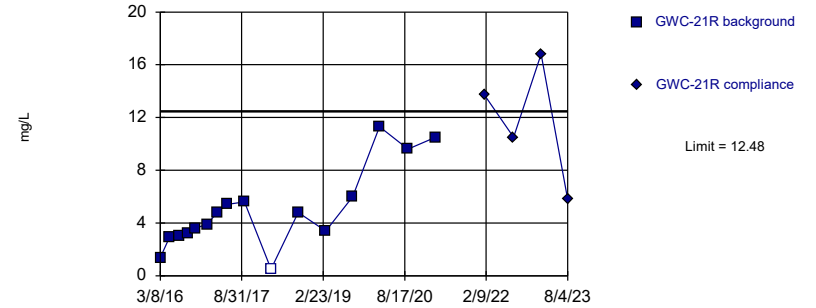


Background Data Summary (based on square transformation): Mean=1.893, Std. Dev.=0.7053, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9199, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

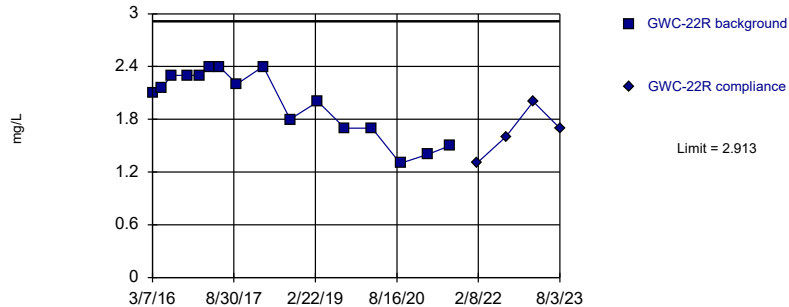


Background Data Summary: Mean=4.995, Std. Dev.=3.09, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9005, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

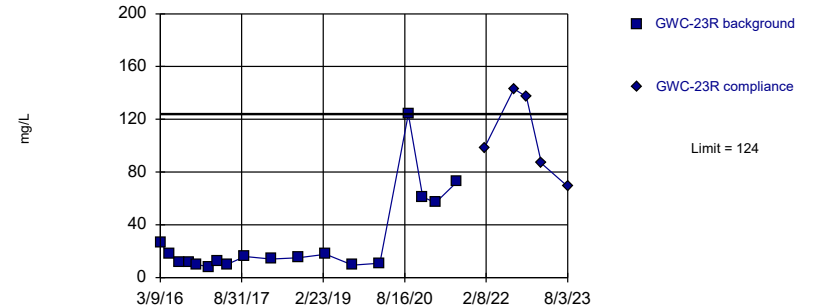


Background Data Summary: Mean=1.998, Std. Dev.=0.3782, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8856, critical = 0.844. Kappa = 2.421 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

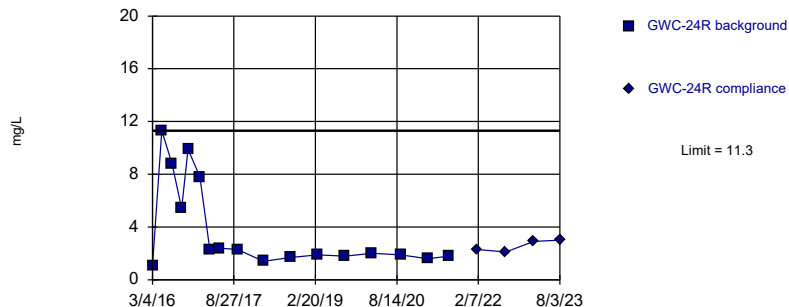


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Non-parametric

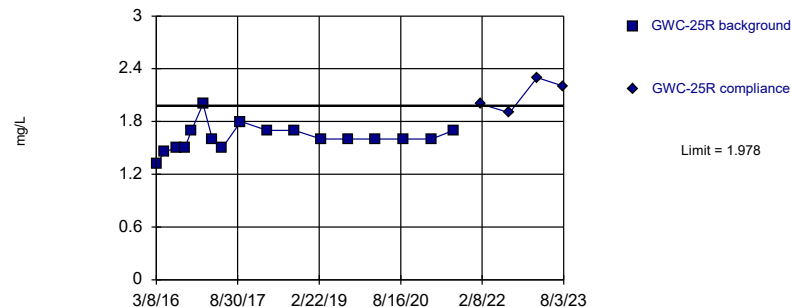


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit Intrawell Parametric

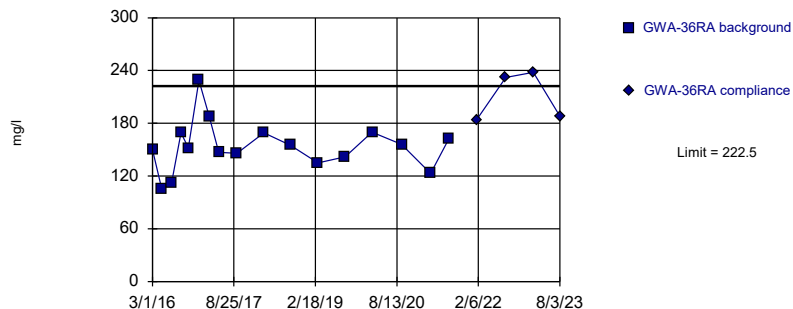


Background Data Summary: Mean=1.616, Std. Dev.=0.1512, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.93, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Sulfate Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit Intrawell Parametric



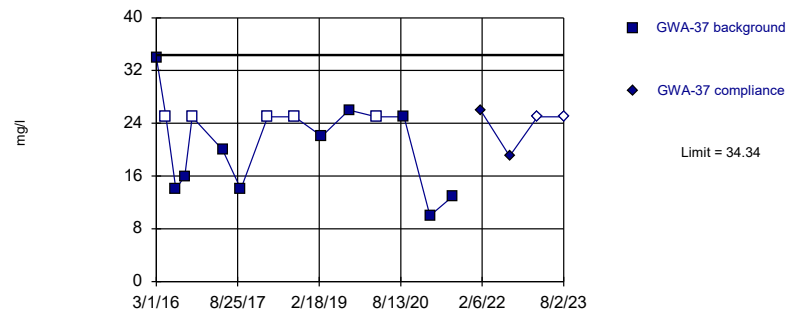
Background Data Summary: Mean=153.6, Std. Dev.=28.78, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9412, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Hollow symbols indicate censored values.

Within Limit

Prediction Limit Intrawell Parametric

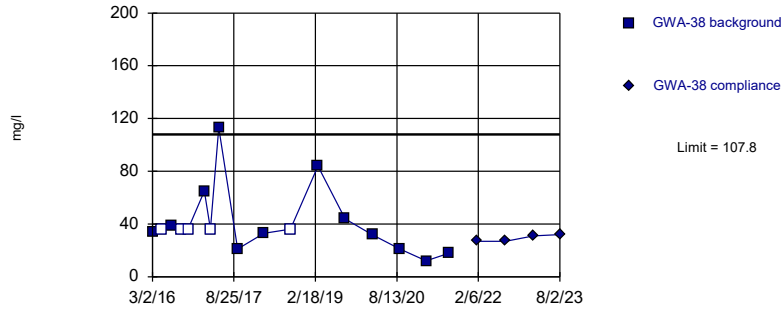


Background Data Summary (after Kaplan-Meier Adjustment): Mean=17.84, Std. Dev.=6.664, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.903, critical = 0.835. Kappa = 2.476 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

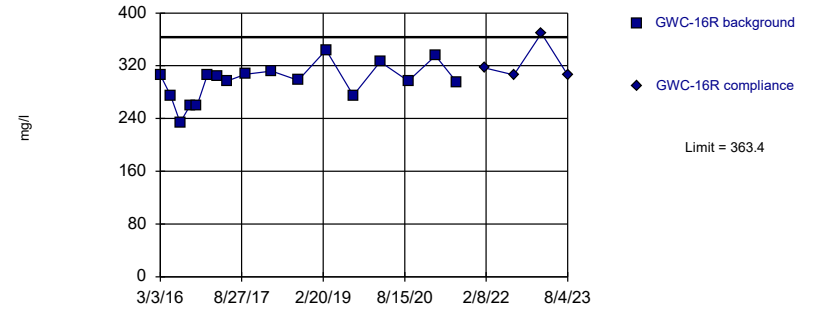


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=5.762, Std. Dev.=1.933, n=17, 29.41% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8791, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

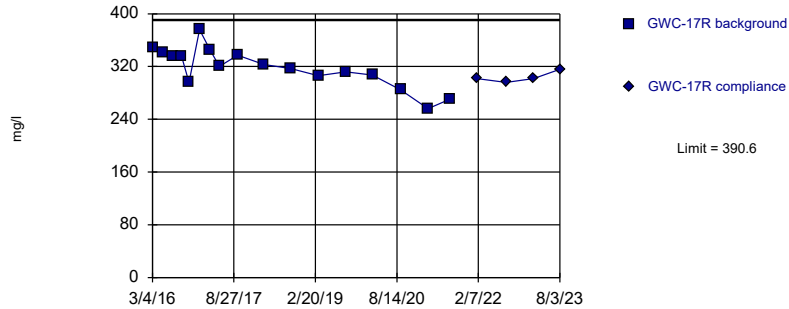


Background Data Summary: Mean=295.8, Std. Dev.=28.25, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9608, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

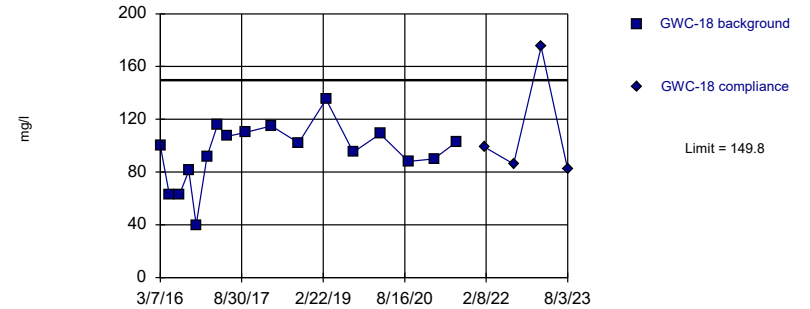


Background Data Summary: Mean=318.3, Std. Dev.=30.22, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

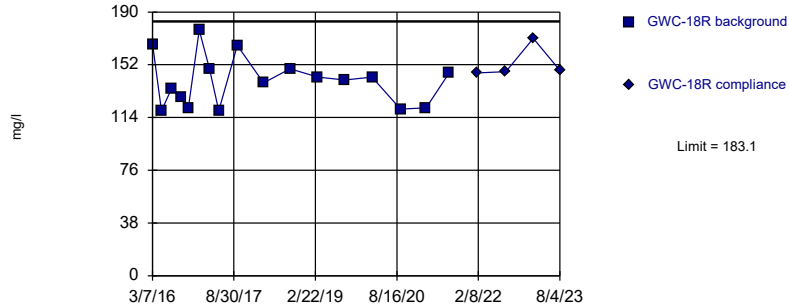


Background Data Summary: Mean=94.65, Std. Dev.=23.04, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9462, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

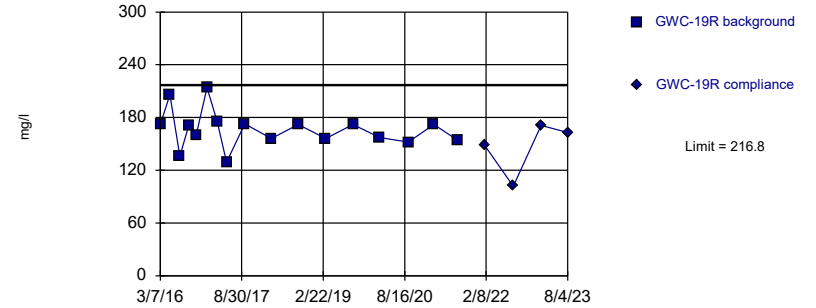


Background Data Summary: Mean=140.2, Std. Dev.=17.93, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

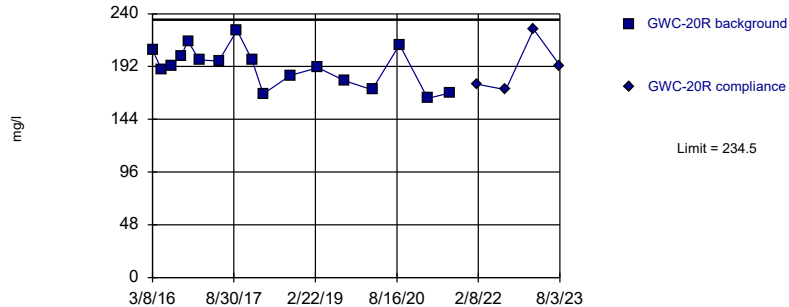


Background Data Summary: Mean=166.3, Std. Dev.=21.11, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9089, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

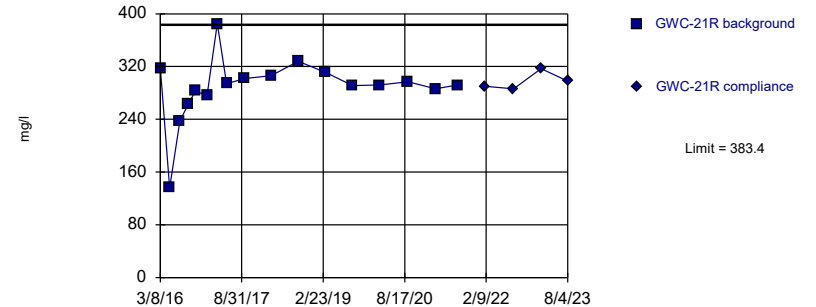


Background Data Summary: Mean=191.6, Std. Dev.=17.93, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9691, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

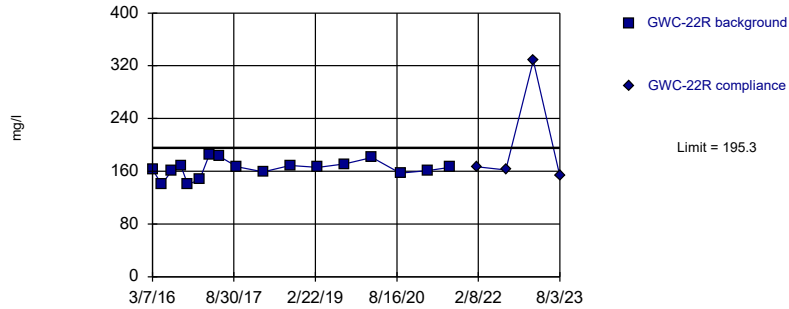


Background Data Summary (based on square transformation): Mean=85308, Std. Dev.=25795, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8817, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric

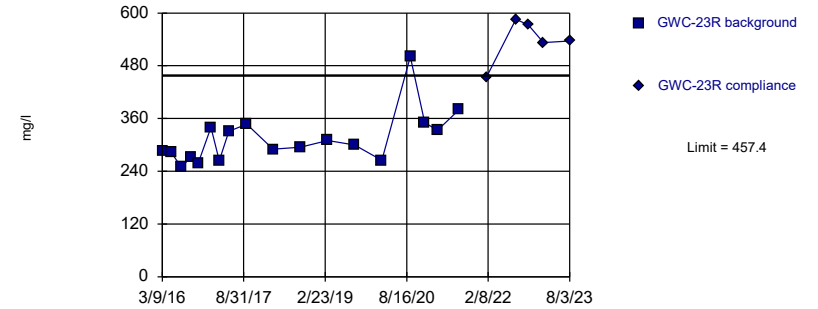


Background Data Summary: Mean=163.8, Std. Dev.=13.17, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9444, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit

Prediction Limit
Intrawell Parametric

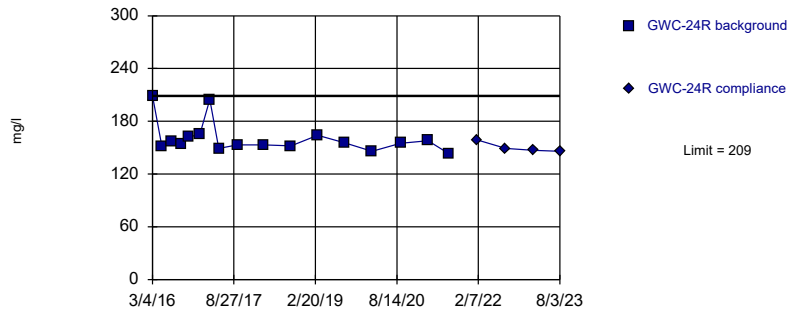


Background Data Summary (based on square root transformation): Mean=17.66, Std. Dev.=1.576, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8704, critical = 0.858. Kappa = 2.363 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Non-parametric

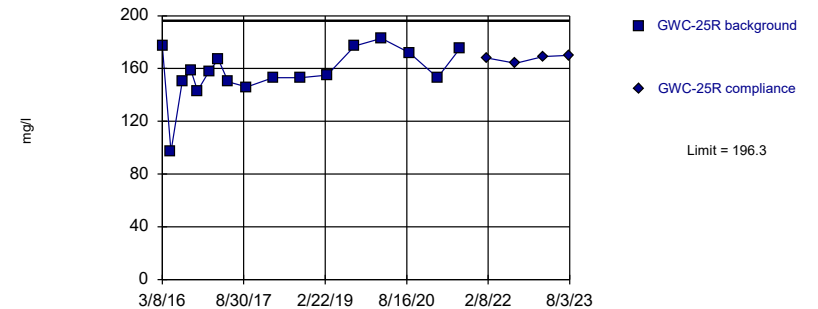


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 17 background values. Well-constituent pair annual alpha = 0.01179. Individual comparison alpha = 0.005914 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square transformation): Mean=24995, Std. Dev.=5655, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8993, critical = 0.851. Kappa = 2.392 (c=7, w=11, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006839.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 8:46 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	3.096	
5/2/2016	2.92	
7/6/2016	3.2	
9/7/2016	3.4	
10/25/2016	3.4	
1/5/2017	3.3	
3/14/2017	2.9	
5/16/2017	2.9	
9/15/2017	2.7	
3/12/2018	3.2	
9/6/2018	2.7	
3/7/2019	2.8	
9/4/2019	2.7	
3/2/2020	2.4	
9/14/2020	2.9	
3/26/2021	2.5	
7/27/2021	2.8	
1/26/2022		2.4
8/8/2022		2.6
2/8/2023		3.1
8/3/2023		2.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	1.2389	
5/3/2016	1.22	
7/8/2016	1.2	
9/7/2016	1	
10/25/2016	1.2	
1/6/2017	0.97	
3/14/2017	1	
5/16/2017	0.9	
9/15/2017	1.1	
3/12/2018	1.1	
9/6/2018	1	
3/6/2019	<1.1	
9/4/2019	0.81 (J)	
3/2/2020	0.78 (J)	
9/3/2020	0.82 (J)	
2/24/2021	0.84 (J)	
7/28/2021	0.88 (J)	
1/26/2022		0.88 (J)
8/8/2022		0.64 (J)
2/8/2023		1.1
8/2/2023		1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	2.4559	
5/3/2016	2.49	
7/7/2016	2.5	
9/8/2016	2.2	
10/25/2016	2.5	
2/9/2017	2	
3/23/2017	2.2	
5/17/2017	2.4	
9/19/2017	2.5	
3/13/2018	2.4	
9/6/2018	2.7	
3/7/2019	2.9	
9/4/2019	2.9	
3/2/2020	2.5	
9/3/2020	2.9	
2/24/2021	3.1	
7/28/2021	3.3	
1/25/2022		3.2
8/5/2022		3.1
2/8/2023		3.5
8/2/2023		3.4

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	1.3707 (D)	
5/10/2016	1.41	
7/13/2016	1.7	
9/15/2016	1.9	
11/2/2016	2.3	
1/11/2017	2	
3/20/2017	2.2	
5/23/2017	2	
9/21/2017	2.3	
3/14/2018	2.1	
9/7/2018	2.1	
3/11/2019	2.4	
9/9/2019	1.1	
3/4/2020	0.79 (J)	
9/9/2020	1 (J)	
3/9/2021	1.5	
7/30/2021	1	
1/28/2022		1.6
8/11/2022		1.4
2/10/2023		1.8
8/4/2023		1.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	6.4905	
5/10/2016	7.1	
7/14/2016	6.4	
9/14/2016	6	
11/1/2016	7	
1/11/2017	6	
3/21/2017	6.1	
5/23/2017	6	
9/22/2017	6.2	
3/14/2018	6.1	
9/11/2018	6.7	
3/12/2019	6.9	
9/10/2019	4.5	
3/5/2020	4.5	
9/9/2020	4.3	
3/10/2021	4.7	
7/30/2021	4.3	
1/28/2022		4.6
8/11/2022		4.7
2/10/2023		4.7
8/3/2023		4.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intravel
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	2.0446	
5/5/2016	2.28	
7/13/2016	2.2	
9/13/2016	2	
10/31/2016	2.3	
1/12/2017	1.9	
3/23/2017	2.2	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.1	
9/11/2018	2.3	
3/12/2019	2.8	
9/9/2019	2	
3/6/2020	2.2	
9/9/2020	2.1	
2/26/2021	2.3	
7/29/2021	2.1	
1/28/2022		2.1
8/10/2022		2.3
2/9/2023		2.5
8/3/2023		1.9

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.2698	
5/5/2016	2.48	
7/13/2016	2.5	
9/12/2016	2.5	
11/1/2016	2.9	
1/11/2017	2.5	
3/20/2017	2.2	
5/22/2017	2.3	
9/21/2017	2.3	
3/14/2018	2.2	
9/7/2018	2.3	
3/12/2019	3.3	
9/6/2019	2.3	
3/5/2020	2.2	
9/9/2020	2.3	
2/26/2021	2.4	
7/29/2021	2.2	
1/27/2022		2.3
8/10/2022		2.6
2/9/2023		2.6
8/4/2023		2.2

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intravel
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	2.3254	
5/9/2016	2.48	
7/14/2016	2.5	
9/12/2016	2.5	
10/31/2016	3	
1/11/2017	2.5	
3/21/2017	2.3	
5/22/2017	2.4	
9/20/2017	2.4	
3/14/2018	2.2	
9/10/2018	2.1	
3/12/2019	2.8	
9/9/2019	2.3	
3/4/2020	2.3	
9/9/2020	2.4	
2/26/2021	2.4	
8/5/2021	2.6	
1/27/2022		2.5
8/9/2022		2.3
2/9/2023		2.7
8/4/2023		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	1.2699	
5/9/2016	1.39	
7/14/2016	1.7	
9/12/2016	1.6	
10/31/2016	1.9	
1/12/2017	1.8	
3/22/2017	2	
5/22/2017	1.9	
9/19/2017	1.9	
3/14/2018	2	
9/10/2018	1.6	
3/12/2019	2.7	
9/6/2019	1.6	
3/5/2020	1.5	
9/4/2020	1.5	
3/9/2021	1.9	
8/2/2021	1.8	
1/27/2022		1.9
8/9/2022		1.7
2/10/2023		2
8/3/2023		1.5

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	4.2184	
5/9/2016	3.08	
7/15/2016	3.8	
9/9/2016	3.9	
10/27/2016	4.7	
1/12/2017	4.2	
3/21/2017	4.2	
5/23/2017	4.1	
9/19/2017	4.4	
3/14/2018	4.4	
9/10/2018	3.9	
3/11/2019	4.2	
9/6/2019	3.5	
3/3/2020	3.9	
9/8/2020	4.1	
3/9/2021	5	
8/2/2021	5.6	
1/28/2022		4.6
8/10/2022		4.1
2/9/2023		4.5
8/4/2023		3.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.6729	
5/5/2016	2.81	
7/14/2016	2.8	
9/12/2016	2.8	
10/27/2016	3.3	
1/13/2017	2.7	
3/20/2017	2.8	
5/23/2017	2.6	
9/19/2017	2.6	
3/13/2018	2.8	
9/7/2018	2.7	
3/11/2019	3.2	
9/5/2019	2.7	
3/3/2020	2.5	
9/8/2020	2.6	
3/9/2021	2.4	
8/2/2021	2.4	
1/27/2022		2.5
8/10/2022		2.7
2/9/2023		2.7
8/3/2023		2.3

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	1.5349	
5/6/2016	1.63	
7/15/2016	2	
9/14/2016	2	
11/1/2016	2.4	
1/25/2017	2.1	
3/22/2017	2.2	
5/24/2017	2	
9/21/2017	2.4	
3/14/2018	2.2	
9/11/2018	2.4	
3/12/2019	2.4	
9/6/2019	1.4	
3/5/2020	1.3	
9/9/2020	2	
3/10/2021	1.6	
7/30/2021	1.4	
1/28/2022		1.7
8/11/2022		2.1
2/10/2023		2
8/3/2023		1.8

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	2.7291	
5/5/2016	2.54	
7/12/2016	2.6	
9/13/2016	2.5	
10/27/2016	3.1	
1/13/2017	2.7	
3/20/2017	2.6	
5/19/2017	2.5	
9/19/2017	2.3	
3/13/2018	<0.25	
9/11/2018	2.3	
3/8/2019	2.6	
9/5/2019	2.2	
3/3/2020	2.1	
9/9/2020	2.5	
3/9/2021	2.1	
7/29/2021	2.2	
1/28/2022		2.2
8/9/2022		2
2/9/2023		2.5
8/3/2023		2.1

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	2.5307	
5/4/2016	2.76	
7/18/2016	2.8	
9/13/2016	2.7	
10/27/2016	3.2	
1/13/2017	2.6	
3/16/2017	2.6	
5/19/2017	2.6	
9/19/2017	2.4	
3/13/2018	2.7	
9/11/2018	2.4	
3/8/2019	2.8	
9/5/2019	2.5	
3/3/2020	2.4	
9/4/2020	2.5	
3/9/2021	2.3	
8/2/2021	2.3	
1/27/2022		2.4
8/9/2022		2.2
2/9/2023		2.6
8/3/2023		2.3

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	7.45	
5/2/2016	7.31	
7/6/2016	7.4	
9/7/2016	7.32	
10/25/2016	7.4	
1/5/2017	7.29	
3/14/2017	7.48	
5/16/2017	7.38	
9/15/2017	7.35	
3/12/2018	7.26	
9/6/2018	7.21	
3/7/2019	7.48	
9/4/2019	7.14	
3/2/2020	7.24	
9/14/2020	7.1	
3/26/2021	7.11	
7/27/2021	7.65	
1/26/2022		7.01
8/8/2022		7.11
2/8/2023		6.88
8/3/2023		6.835 (D)

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	5.94	
5/3/2016	5.85	
7/8/2016	5.74	
9/7/2016	5.79	
10/25/2016	5.88	
1/6/2017	5.82	
3/14/2017	5.8	
5/16/2017	5.02	
9/15/2017	5.68	
3/12/2018	5.72	
9/6/2018	5.59	
3/6/2019	5.38	
9/4/2019	5.09	
3/2/2020	5.52	
9/3/2020	5.17	
2/24/2021	5.49	
7/28/2021	5.29	
1/26/2022		4.69
8/8/2022		5.16
2/8/2023		5.3
8/2/2023		4.69

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	5.65	
5/3/2016	5.72	
7/7/2016	5.68	
9/8/2016	5.42	
10/25/2016	5.41	
2/9/2017	4.99	
3/23/2017	4.94	
5/17/2017	5.18	
9/19/2017	5.53	
3/13/2018	5.57	
9/6/2018	5.69	
3/7/2019	5.54	
9/4/2019	5.91	
3/2/2020	5.49	
9/3/2020	5.32	
2/24/2021	5.23	
7/28/2021	5.21	
1/25/2022		5.14
8/5/2022		4.98
2/8/2023		5.13
8/2/2023		4.41

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.22	
5/10/2016	7.08	
7/13/2016	7.05	
9/15/2016	7.51	
11/2/2016	7.1	
1/11/2017	7.16	
3/20/2017	7.19	
5/23/2017	6.97	
9/21/2017	7.28	
3/14/2018	7.11	
9/7/2018	7.08	
3/11/2019	7.21	
9/9/2019	7.13	
3/4/2020	7.37	
9/9/2020	7.08	
3/9/2021	7.34	
7/30/2021	7.04	
1/28/2022		7.31
8/11/2022		7.05
2/10/2023		7.02
8/4/2023		6.745 (D)

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	7.24	
5/10/2016	7.18	
7/14/2016	7.21	
9/13/2016	7.17	
11/1/2016	7.18	
1/11/2017	7.11	
3/21/2017	7.24	
5/23/2017	7.21	
9/22/2017	7.2	
3/14/2018	7.16	
9/11/2018	7.13	
3/12/2019	7.28	
9/10/2019	7.17	
3/5/2020	7.3	
9/9/2020	7.24	
3/10/2021	7.27	
7/30/2021	7.17	
1/28/2022		7.34
8/11/2022		7.27
2/10/2023		7.12
8/3/2023		6.97 (D)

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	6.81	
5/5/2016	6	
7/13/2016	6.67	
9/13/2016	6.67	
10/31/2016	6.15	
1/12/2017	6.79	
3/23/2017	7.04	
5/23/2017	7.02	
9/25/2017	6.81	
3/14/2018	7.06	
9/11/2018	6.97	
3/12/2019	7.06	
9/9/2019	6.71	
3/6/2020	7.01	
9/9/2020	6.63	
2/26/2021	7.07	
7/29/2021	6.77	
1/28/2022		6.6
8/10/2022		6.53
2/9/2023		6.68
8/3/2023		6.19

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	7.7	
5/5/2016	7.85	
7/13/2016	7.85	
9/12/2016	7.87	
11/1/2016	7.78	
1/11/2017	7.75	
3/20/2017	7.86	
5/22/2017	7.51	
9/21/2017	7.84	
3/14/2018	7.51	
9/7/2018	7.69	
3/12/2019	7.76	
9/6/2019	7.65	
3/5/2020	7.77	
9/9/2020	7.81	
2/26/2021	7.81	
7/29/2021	7.74	
1/27/2022		7.76
8/10/2022		7.59
2/9/2023		7.46
8/4/2023		7.39

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	7.68	
5/9/2016	7.66	
7/14/2016	7.74	
9/12/2016	7.76	
10/31/2016	7.74	
1/11/2017	7.69	
3/21/2017	7.54	
5/22/2017	7.79	
9/20/2017	7.77	
3/14/2018	7.74	
9/10/2018	7.69	
3/12/2019	7.6	
9/9/2019	7.73	
3/4/2020	7.65	
9/9/2020	7.67	
2/26/2021	7.73	
8/5/2021	7.66	
1/27/2022		7.74
8/9/2022		7.77
2/9/2023		7.38
8/4/2023		7.2

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	7.62	
5/9/2016	7.72	
7/14/2016	7.69	
9/12/2016	7.52	
10/31/2016	7.51	
1/12/2017	7.46	
3/22/2017	7.77	
5/22/2017	7.5	
9/19/2017	7.49	
12/29/2017	7.75 (Y)	
3/14/2018	7.62	
9/10/2018	7.84	
3/12/2019	7.63	
9/6/2019	7.75	
3/5/2020	7.6	
9/4/2020	7.57	
3/9/2021	7.81	
8/2/2021	7.67	
1/27/2022		7.73
8/9/2022		7.81
2/10/2023		7.34
8/3/2023		7.27

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	6.86	
5/9/2016	7.08	
7/15/2016	7.2	
9/9/2016	7.17	
10/27/2016	7.14	
1/12/2017	7.06	
3/21/2017	7.14	
5/23/2017	6.9	
9/19/2017	7.18	
3/14/2018	6.99	
9/10/2018	6.96	
3/11/2019	6.95	
9/6/2019	7.04	
3/3/2020	7.1	
9/8/2020	7.07	
3/9/2021	6.98	
8/2/2021	7.01	
1/28/2022		6.69
8/10/2022		6.98
2/9/2023		7.13
8/4/2023		6.73

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	7.61	
5/5/2016	7.79	
7/14/2016	7.76	
9/12/2016	7.6	
10/27/2016	7.73	
1/13/2017	7.68	
3/20/2017	7.6	
5/23/2017	7.81	
9/19/2017	7.46	
1/9/2018	7.39 (Y)	
3/13/2018	7.49	
9/7/2018	7.53	
3/11/2019	7.51	
9/5/2019	7.09	
3/3/2020	7.15	
9/8/2020	7.19	
3/9/2021	7.35	
8/2/2021	7.1	
1/27/2022		7.28
8/10/2022		7.1
2/9/2023		7.05
8/3/2023		6.62

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	7.54	
5/6/2016	7.5	
7/15/2016	7.33	
9/14/2016	7.47	
11/1/2016	7.31	
1/25/2017	7.28	
3/22/2017	7.43	
5/24/2017	7.07	
9/21/2017	7.24	
3/14/2018	7.4	
9/11/2018	7.78	
3/12/2019	7.42	
9/6/2019	7.32	
3/5/2020	7.24	
9/9/2020	7.12	
12/15/2020	7.39	
3/10/2021	7.41	
7/30/2021	7.13	
1/28/2022		7.38
8/11/2022		7.37
11/3/2022		6.65
2/10/2023		7.01
8/3/2023		6.74 (D)

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	6.95	
5/5/2016	7.58	
7/12/2016	7.58	
9/13/2016	7.62	
10/27/2016	7.64	
1/13/2017	7.28	
3/20/2017	7.23	
5/19/2017	7.15	
9/19/2017	7.54	
3/13/2018	7.02	
9/11/2018	7.4	
3/8/2019	7.65	
9/5/2019	7.4	
3/3/2020	7.55	
9/9/2020	7.22	
3/9/2021	7.8	
7/29/2021	7.32	
1/28/2022		7.68
8/9/2022		7.48
2/9/2023		7.44
8/3/2023		7.02

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	7.4	
5/4/2016	7.6	
7/18/2016	7.61	
9/13/2016	7.56	
10/27/2016	7.69	
1/13/2017	7.62	
3/16/2017	7.43	
5/19/2017	7.32	
9/19/2017	7.62	
3/13/2018	7.43	
9/11/2018	7.69	
3/8/2019	7.69	
9/5/2019	7.59	
3/3/2020	7.56	
9/4/2020	7.62	
3/9/2021	8.07	
8/2/2021	7.48	
1/27/2022		7.46
8/9/2022		7.6
2/9/2023		7.51
8/3/2023		7.26

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	6.8929	
5/2/2016	1.6	
7/6/2016	1.7	
9/7/2016	1.5	
10/25/2016	1.8	
1/5/2017	4.6	
3/14/2017	2.8	
5/16/2017	2.1	
9/15/2017	3	
3/12/2018	8.2	
9/6/2018	1.5	
3/7/2019	4.3	
9/4/2019	1.8	
3/2/2020	7.9	
9/14/2020	1.3	
3/26/2021	5.4	
7/27/2021	7.4	
1/26/2022		7.5
8/8/2022		19.2
2/8/2023		21.7
8/3/2023		4.2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	0.9427 (J)	
5/3/2016	0.87 (J)	
7/8/2016	0.79 (J)	
9/7/2016	0.85 (J)	
10/25/2016	0.74 (J)	
1/6/2017	0.64 (J)	
3/14/2017	0.77 (J)	
5/16/2017	0.48 (J)	
9/15/2017	0.76 (J)	
3/12/2018	0.42 (J)	
9/6/2018	0.37 (J)	
3/6/2019	0.46 (J)	
9/4/2019	<1	
3/2/2020	<1	
9/3/2020	<1	
2/24/2021	<1	
7/28/2021	<1	
1/26/2022		<1
8/8/2022		<1
2/8/2023		0.75 (J)
8/2/2023		0.57 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	2.5669	
5/3/2016	1.83	
7/7/2016	1.8	
9/8/2016	0.97 (J)	
10/25/2016	1.2	
2/9/2017	0.31 (J)	
3/23/2017	0.54 (J)	
5/17/2017	0.66 (J)	
9/19/2017	2	
3/13/2018	1.5	
9/6/2018	1.4	
3/7/2019	1.1	
9/4/2019	0.83 (J)	
3/2/2020	0.5 (J)	
9/3/2020	0.58 (J)	
2/24/2021	0.72 (J)	
7/28/2021	0.81 (J)	
1/25/2022		0.58 (J)
8/5/2022		<1
2/8/2023		0.9 (J)
8/2/2023		0.67 (J)

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	7.1809	
5/10/2016	4.6	
7/13/2016	2.3	
9/15/2016	5.6	
11/2/2016	7.5	
1/11/2017	8.3	
3/20/2017	10	
5/23/2017	9.5	
9/21/2017	8.9	
3/14/2018	8.8	
9/7/2018	6.5	
3/11/2019	11	
9/9/2019	3.8	
3/4/2020	8.4	
9/9/2020	2.8	
3/9/2021	12.9	
7/30/2021	5.4	
1/28/2022		11.9
8/11/2022		5
2/10/2023		12.1
8/4/2023		6.1

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	9.3417	
5/10/2016	6.65	
7/14/2016	5.7	
9/14/2016	5.8	
11/1/2016	6.6	
1/11/2017	6.5	
3/21/2017	6.4	
5/23/2017	6.3	
9/22/2017	6.9	
3/14/2018	7	
9/11/2018	5.8	
3/12/2019	25.9 (O)	
9/10/2019	6	
3/5/2020	7.7	
9/9/2020	5.6	
3/10/2021	7.3	
7/30/2021	5.9	
1/28/2022		7.6
8/11/2022		6.6
2/10/2023		7.6
8/3/2023		7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	1.7468	
5/5/2016	2.27	
7/13/2016	2.1	
9/13/2016	2.1	
10/31/2016	1.5	
1/12/2017	1.9	
3/23/2017	2.1	
5/23/2017	2	
9/25/2017	2.1	
3/14/2018	2.2	
9/11/2018	2	
3/12/2019	2.3	
9/9/2019	1.8	
3/6/2020	2	
9/9/2020	1.4	
2/26/2021	2.1	
7/29/2021	1.7	
1/28/2022		1.6
8/10/2022		1.7
2/9/2023		2.3
8/3/2023		1.5

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	2.3258	
5/5/2016	2.42	
7/13/2016	2.5	
9/12/2016	2.3	
1/11/2017	2.5	
3/20/2017	2.4	
5/22/2017	2.5	
9/21/2017	2.4	
3/14/2018	2.2	
9/7/2018	2.2	
3/12/2019	2.6	
9/6/2019	2	
3/5/2020	1.9	
9/9/2020	1.9	
2/26/2021	2.1	
7/29/2021	1.9	
1/27/2022		2.1
8/10/2022		2.3
2/9/2023		2.4
8/4/2023		2.2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	3.3556	
5/9/2016	3.62	
7/14/2016	3.5	
9/12/2016	3.3	
10/31/2016	3.5	
1/11/2017	3.2	
3/21/2017	3.4	
5/22/2017	3.3	
9/20/2017	3.4	
3/14/2018	3.4	
9/10/2018	3.4	
3/12/2019	4.3	
9/9/2019	3.7	
3/4/2020	3.6	
9/9/2020	3.4	
2/26/2021	3.4	
8/5/2021	4	
1/27/2022		3.9
8/9/2022		3.7
2/9/2023		4
8/4/2023		3.6

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	0.0196 (J)	
5/9/2016	1.15	
7/14/2016	1.3	
9/12/2016	1.3	
10/31/2016	1.4	
1/12/2017	1.4	
3/22/2017	1.7	
5/22/2017	1.5	
9/19/2017	1.3	
3/14/2018	1.6	
9/10/2018	1.7	
3/12/2019	1.5	
9/6/2019	1.45 (D)	
3/5/2020	1.1	
9/4/2020	1.1	
3/9/2021	1.5	
8/2/2021	1.5	
1/27/2022		1.7
8/9/2022		1.6
2/10/2023		1.8
8/3/2023		1.4

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	1.3858	
5/9/2016	2.94	
7/15/2016	3	
9/9/2016	3.2	
10/27/2016	3.6	
1/12/2017	3.9	
3/21/2017	4.8	
5/23/2017	5.4	
9/19/2017	5.6	
3/14/2018	<1	
9/10/2018	4.8	
3/11/2019	3.4	
9/6/2019	6	
3/3/2020	11.3	
9/8/2020	9.6	
3/9/2021	10.5	
8/2/2021	21.5 (o)	
1/28/2022		13.7
8/10/2022		10.5
2/9/2023		16.8
8/4/2023		5.8

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	2.1008	
5/5/2016	2.16	
7/14/2016	2.3	
10/27/2016	2.3	
1/13/2017	2.3	
3/20/2017	2.4	
5/23/2017	2.4	
9/19/2017	2.2	
3/13/2018	2.4	
9/7/2018	1.8	
3/11/2019	2	
9/5/2019	1.7	
3/3/2020	1.7	
9/8/2020	1.3	
3/9/2021	1.4	
8/2/2021	1.5	
1/27/2022		1.3
8/10/2022		1.6
2/9/2023		2
8/3/2023		1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	26.4322	
5/6/2016	17.7	
7/15/2016	12	
9/14/2016	12	
11/1/2016	10	
1/25/2017	8.2	
3/22/2017	13	
5/24/2017	10	
9/21/2017	16	
3/14/2018	14	
9/11/2018	14.9	
3/12/2019	17.7	
9/6/2019	9.5	
3/5/2020	10.8	
9/9/2020	124	
12/15/2020	61.2	
3/10/2021	56.8	
7/30/2021	72.6	
1/28/2022		98.4
8/11/2022		143
11/3/2022		137 (J)
2/10/2023		86.7
8/3/2023		69.2

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	1.0816	
5/5/2016	11.3	
7/12/2016	8.8	
9/13/2016	5.4	
10/27/2016	9.9	
1/13/2017	7.8	
3/20/2017	2.3	
5/19/2017	2.4	
9/19/2017	2.3	
3/13/2018	1.4	
9/11/2018	1.7	
3/8/2019	1.9	
9/5/2019	1.8	
3/3/2020	2	
9/9/2020	1.9	
3/9/2021	1.6	
7/29/2021	1.8	
1/28/2022		2.3
8/9/2022		2.1
2/9/2023		2.9
8/3/2023		3

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Intrawell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	1.3157	
5/4/2016	1.46	
7/18/2016	1.5	
9/13/2016	1.5	
10/27/2016	1.7	
1/13/2017	2	
3/16/2017	1.6	
5/19/2017	1.5	
9/19/2017	1.8	
3/13/2018	1.7	
9/11/2018	1.7	
3/8/2019	1.6	
9/5/2019	1.6	
3/3/2020	1.6	
9/4/2020	1.6	
3/9/2021	1.6	
8/2/2021	1.7	
1/27/2022		2
8/9/2022		1.9
2/9/2023		2.3
8/3/2023		2.2

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-36RA	GWA-36RA
3/1/2016	150	
5/2/2016	105	
7/6/2016	113	
9/7/2016	169	
10/25/2016	152	
1/5/2017	229	
3/14/2017	188	
5/16/2017	147	
9/15/2017	146	
3/12/2018	169	
9/6/2018	155	
3/7/2019	135	
9/4/2019	142	
3/2/2020	170	
9/14/2020	156	
3/26/2021	123	
7/27/2021	163	
1/26/2022		184
8/8/2022		232 (J)
2/8/2023		238
8/3/2023		188

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-37	GWA-37
3/1/2016	34	
5/3/2016	<25	
7/8/2016	14 (J)	
9/7/2016	16 (J)	
10/25/2016	<25	
1/6/2017	189 (O)	
3/14/2017	90 (o)	
5/16/2017	20 (J)	
9/15/2017	14 (J)	
3/12/2018	<25	
9/6/2018	<25	
3/6/2019	22 (J)	
9/4/2019	26	
3/2/2020	<25	
9/3/2020	25	
2/24/2021	10	
7/28/2021	13	
1/26/2022		26
8/8/2022		19 (J)
2/8/2023		<25
8/2/2023		<25

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-38	GWA-38
3/2/2016	34	
5/3/2016	<36	
7/7/2016	39	
9/8/2016	<36	
10/25/2016	<36	
2/9/2017	65	
3/23/2017	<36	
5/17/2017	113	
9/19/2017	21 (J)	
3/13/2018	33	
9/6/2018	<36	
3/7/2019	84	
9/4/2019	44	
3/2/2020	32	
9/3/2020	21	
2/24/2021	12	
7/28/2021	18	
1/25/2022		27
8/5/2022		27
2/8/2023		31
8/2/2023		32

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-16R	GWC-16R
3/3/2016	306	
5/10/2016	275	
7/13/2016	234	
9/15/2016	259	
11/2/2016	260	
1/11/2017	306	
3/20/2017	304	
5/23/2017	297	
9/21/2017	307	
3/14/2018	312	
9/7/2018	298	
3/11/2019	344	
9/9/2019	275	
3/4/2020	326	
9/9/2020	297	
3/9/2021	335	
7/30/2021	294	
1/28/2022		317
8/11/2022		306
2/10/2023		369
8/4/2023		306

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-17R	GWC-17R
3/4/2016	348	
5/10/2016	342	
7/14/2016	335	
9/14/2016	335	
11/1/2016	296	
1/11/2017	376	
3/21/2017	346	
5/23/2017	320	
9/22/2017	337	
3/14/2018	323	
9/11/2018	317	
3/12/2019	306	
9/10/2019	312	
3/5/2020	307	
9/9/2020	285	
3/10/2021	256	
7/30/2021	270	
1/28/2022		302
8/11/2022		296
2/10/2023		302
8/3/2023		316

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18	GWC-18
3/7/2016	100	
5/5/2016	63	
7/13/2016	63	
9/13/2016	81	
10/31/2016	40	
1/12/2017	92	
3/23/2017	116	
5/23/2017	107	
9/25/2017	110	
3/14/2018	115	
9/11/2018	102	
3/12/2019	135 (J)	
9/9/2019	95	
3/6/2020	109	
9/9/2020	88	
2/26/2021	90	
7/29/2021	103	
1/28/2022		99
8/10/2022		86
2/9/2023		175
8/3/2023		82

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-18R	GWC-18R
3/7/2016	167	
5/5/2016	119	
7/13/2016	135	
9/12/2016	129	
11/1/2016	121	
1/11/2017	177	
3/20/2017	149	
5/22/2017	119	
9/21/2017	166	
3/14/2018	139	
9/7/2018	149	
3/12/2019	143 (J)	
9/6/2019	141	
3/5/2020	143	
9/9/2020	120	
2/26/2021	121	
7/29/2021	146	
1/27/2022		146
8/10/2022		147
2/9/2023		171
8/4/2023		148

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-19R	GWC-19R
3/7/2016	172	
5/9/2016	206	
7/14/2016	136	
9/12/2016	171	
10/31/2016	160	
1/11/2017	214	
3/21/2017	175 (J)	
5/22/2017	129	
9/20/2017	173	
3/14/2018	156	
9/10/2018	172	
3/12/2019	156 (J)	
9/9/2019	172	
3/4/2020	157	
9/9/2020	152	
2/26/2021	172	
8/5/2021	154	
1/27/2022		149
8/9/2022		102
2/9/2023		171
8/4/2023		163

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-20R
3/8/2016	207	
5/9/2016	189	
7/14/2016	193	
9/12/2016	201	
10/31/2016	215	
1/12/2017	198	
5/22/2017	197	
9/19/2017	225	
12/29/2017	198 (Y)	
3/14/2018	167	
9/10/2018	184	
3/12/2019	191 (J)	
9/6/2019	179	
3/5/2020	171	
9/4/2020	212	
3/9/2021	163	
8/2/2021	168	
1/27/2022		176
8/9/2022		171
2/10/2023		226 (J)
8/3/2023		193

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-21R	GWC-21R
3/8/2016	318	
5/9/2016	136	
7/15/2016	237	
9/9/2016	263	
10/27/2016	283	
1/12/2017	276	
3/21/2017	385	
5/23/2017	294	
9/19/2017	302	
3/14/2018	306	
9/10/2018	328	
3/11/2019	311	
9/6/2019	291	
3/3/2020	292	
9/8/2020	297	
3/9/2021	286	
8/2/2021	292	
1/28/2022		290
8/10/2022		286
2/9/2023		317
8/4/2023		298

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-22R	GWC-22R
3/7/2016	163	
5/5/2016	140	
7/14/2016	161	
9/12/2016	168	
10/27/2016	140	
1/13/2017	147 (J)	
3/20/2017	186	
5/23/2017	183	
9/19/2017	167	
3/13/2018	159	
9/7/2018	169	
3/11/2019	166	
9/5/2019	171	
3/3/2020	181	
9/8/2020	157	
3/9/2021	161	
8/2/2021	166	
1/27/2022		167
8/10/2022		162
2/9/2023		328
8/3/2023		153

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - Inrawell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWC-23R
3/9/2016	287	
5/6/2016	284	
7/15/2016	249	
9/14/2016	273	
11/1/2016	258	
1/25/2017	340	
3/22/2017	264	
5/24/2017	331	
9/21/2017	347	
3/14/2018	290	
9/11/2018	295	
3/12/2019	310 (J)	
9/6/2019	300	
3/5/2020	265	
9/9/2020	501	
12/15/2020	351	
3/10/2021	333	
7/30/2021	380	
1/28/2022		454
8/11/2022		586
11/3/2022		573 (J)
2/10/2023		533
8/3/2023		536

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-24R	GWC-24R
3/4/2016	209	
5/5/2016	152	
7/12/2016	157	
9/13/2016	154	
10/27/2016	162	
1/13/2017	165	
3/20/2017	205 (J)	
5/19/2017	149	
9/19/2017	153	
3/13/2018	153	
9/11/2018	152	
3/8/2019	164	
9/5/2019	155.5 (D)	
3/3/2020	146	
9/9/2020	155	
3/9/2021	158	
7/29/2021	143	
1/28/2022		159
8/9/2022		149
2/9/2023		147
8/3/2023		146

Prediction Limit

Constituent: T Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 8:49 AM View: Appendix III - IntraWell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-25R	GWC-25R
3/8/2016	177	
5/4/2016	97	
7/18/2016	150	
9/13/2016	159	
10/27/2016	143	
1/13/2017	158	
3/16/2017	167	
5/19/2017	150	
9/19/2017	146	
3/13/2018	153	
9/11/2018	153	
3/8/2019	155	
9/5/2019	177	
3/3/2020	183	
9/4/2020	172	
3/9/2021	153	
8/2/2021	175	
1/27/2022		168
8/9/2022		164
2/9/2023		169
8/3/2023		170

FIGURE H.

Appendix III Interwell Prediction Limits - Two-Step - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:02 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	8/3/2023	536	Yes	231	n/a	n/a	5.195	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

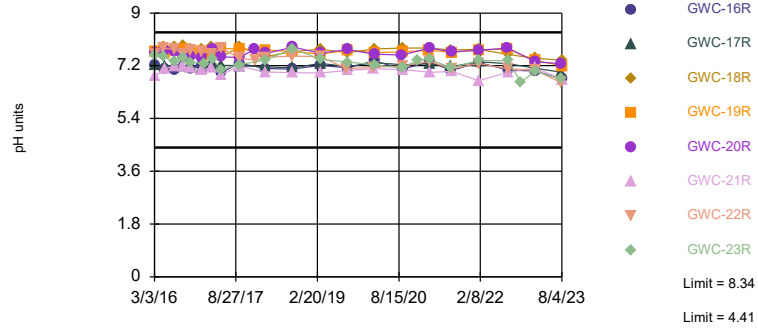
Appendix III Interwell Prediction Limits - Two-Step - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:02 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (pH units)	GWC-16R	8.34	4.41	8/4/2023	6.745	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-17R	8.34	4.41	8/3/2023	6.97	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-18R	8.34	4.41	8/4/2023	7.39	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-19R	8.34	4.41	8/4/2023	7.2	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-20R	8.34	4.41	8/3/2023	7.27	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-21R	8.34	4.41	8/4/2023	6.73	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-22R	8.34	4.41	8/3/2023	6.62	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
pH (pH units)	GWC-23R	8.34	4.41	8/3/2023	6.74	No	237	n/a	n/a	0	n/a	n/a	0.00009826	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-25R	132.5	n/a	8/3/2023	2.2	No	235	n/a	n/a	3.83	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Total Dissolved Solids (mg/l)	GWC-23R	410	n/a	8/3/2023	536	Yes	231	n/a	n/a	5.195	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

Within Limits

Prediction Limit
Interwell Non-parametric

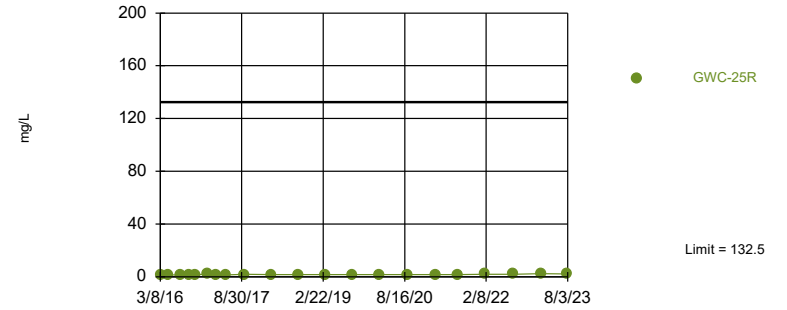


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 237 background values. Annual per-constituent alpha = 0.002161. Individual comparison alpha = 0.00009826 (1 of 2). Comparing 8 points to limit. Assumes 3 future values.

Constituent: pH Analysis Run 9/15/2023 9:01 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric

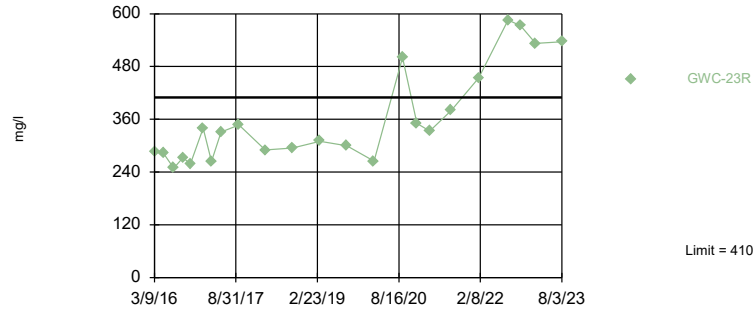


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 235 background values. 3.83% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Assumes 10 future values.

Constituent: Sulfate Analysis Run 9/15/2023 9:01 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-23R

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 231 background values. 5.195% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Assumes 10 future values.

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:01 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
2/29/2016	7.52								
3/1/2016		7.07	5.94	7.45					
3/2/2016					7.01	7.51	7.76	7.77	5.65
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		7		7.31					
5/3/2016			5.85		7.26		7.8	7.76	5.72
5/4/2016	7.59					7.68			
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016				7.4					
7/7/2016		7.15							5.68
7/8/2016	7.61		5.74			7.7		7.82	
7/11/2016					7.45		7.82		
7/13/2016									
7/14/2016									
7/15/2016									
9/7/2016		7.2	5.79	7.32			7.83		
9/8/2016	7.52					7.71		7.73	5.42
9/9/2016					7.55				
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		7.12	5.88	7.4					5.41
10/26/2016	7.67				7.55	7.6		7.71	
10/27/2016							7.84		
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		7.05		7.29					
1/6/2017	7.49		5.82				7.63		
1/9/2017					7.62	7.81		7.52	
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017									4.99
3/14/2017			5.8	7.48					
3/15/2017	7.55	6.84				7.74			
3/16/2017					7.4		7.8	7.84	
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017									4.94
5/16/2017			5.02	7.38					
5/17/2017	7.55	6.78							5.18

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-22R	GWC-19R	GWC-21R	GWC-20R
5/18/2017	7.64	8.21							
5/19/2017									
5/22/2017					7.51		7.79		7.5
5/23/2017			6.97	7.21		7.81		6.9	
5/24/2017									
7/18/2017									
7/19/2017									
9/15/2017		8.34							
9/18/2017	7.66								
9/19/2017						7.46		7.18	7.49
9/20/2017							7.77		
9/21/2017			7.28		7.84				
9/22/2017				7.2					
12/29/2017									7.75 (Y)
1/9/2018		8.1 (Y)				7.39 (Y)			
3/12/2018	7.11								
3/13/2018		8.03				7.49			
3/14/2018			7.11	7.16	7.51		7.74	6.99	7.62
9/6/2018									
9/7/2018	7.6	8.14	7.08		7.69	7.53			
9/10/2018							7.69	6.96	7.84
9/11/2018				7.13					
3/6/2019									
3/7/2019	7.22	8.05							
3/8/2019									
3/11/2019			7.21			7.51		6.95	
3/12/2019				7.28	7.76		7.6		7.63
9/4/2019		7.79							
9/5/2019	7.53					7.09			
9/6/2019					7.65			7.04	7.75
9/9/2019			7.13				7.73		
9/10/2019				7.17					
3/2/2020									
3/3/2020						7.15		7.1	
3/4/2020	7.27	7.95	7.37				7.65		
3/5/2020				7.3	7.77				7.6
9/3/2020									
9/4/2020	7.64	7.82							7.57
9/8/2020						7.19		7.07	
9/9/2020			7.08	7.24	7.81		7.67		
9/14/2020									
12/15/2020									
2/24/2021									
2/25/2021	7.27	7.85							
2/26/2021					7.81		7.73		
3/9/2021			7.34			7.35		6.98	7.81
3/10/2021				7.27					
3/26/2021									
7/27/2021									
7/28/2021	7.17	7.79							
7/29/2021					7.74				
7/30/2021			7.04	7.17					

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-55R (bg)	GWA-56 (bg)	GWC-16R	GWC-17R	GWC-18R	GWC-22R	GWC-19R	GWC-21R	GWC-20R
8/2/2021						7.1		7.01	7.67
8/5/2021							7.66		
8/6/2021									
1/25/2022									
1/26/2022		7.45							
1/27/2022	7.27				7.76	7.28	7.74		7.73
1/28/2022			7.31	7.34				6.69	
8/5/2022		7.6							
8/8/2022	7.26								
8/9/2022							7.77		7.81
8/10/2022					7.59	7.1		6.98	
8/11/2022			7.05	7.27					
11/3/2022									
2/8/2023									
2/9/2023					7.46	7.05	7.38	7.13	
2/10/2023			7.02	7.12					7.34
8/2/2023									
8/3/2023				6.97 (D)		6.62			7.27
8/4/2023			6.745 (D)		7.39		7.2	6.73	

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016			
3/1/2016			
3/2/2016			
3/3/2016			
3/4/2016			
3/7/2016			
3/8/2016			
3/9/2016	7.54		
5/2/2016			
5/3/2016			
5/4/2016		7.52	
5/5/2016			
5/6/2016	7.5		
5/9/2016			
5/10/2016			
7/6/2016			
7/7/2016		7.42	
7/8/2016			
7/11/2016			
7/13/2016			
7/14/2016			
7/15/2016	7.33		
9/7/2016			
9/8/2016		7.4	
9/9/2016			
9/12/2016			
9/13/2016			
9/14/2016	7.47		
9/15/2016			
10/25/2016			
10/26/2016		7.59	
10/27/2016			
10/31/2016			
11/1/2016	7.31		
11/2/2016			
1/5/2017			
1/6/2017		7.51	
1/9/2017			
1/11/2017			
1/12/2017			
1/13/2017			
1/25/2017	7.28		
2/9/2017			
3/14/2017			
3/15/2017		7.51	
3/16/2017			
3/20/2017			
3/21/2017			
3/22/2017	7.43		
3/23/2017			
5/16/2017			
5/17/2017			

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/18/2017		7.64	
5/19/2017			
5/22/2017			
5/23/2017			
5/24/2017	7.07		
7/18/2017		7.58	
7/19/2017		7.58	
9/15/2017			
9/18/2017			
9/19/2017		7.37	
9/20/2017			
9/21/2017	7.24		
9/22/2017			
12/29/2017			
1/9/2018			
3/12/2018			
3/13/2018		7.62	
3/14/2018	7.4		
9/6/2018			
9/7/2018		7.36	
9/10/2018			
9/11/2018	7.78		
3/6/2019			
3/7/2019			
3/8/2019		7.55	
3/11/2019			
3/12/2019	7.42		
9/4/2019		7.39	
9/5/2019			
9/6/2019	7.32		
9/9/2019			
9/10/2019			
3/2/2020			
3/3/2020		7.73	
3/4/2020			
3/5/2020	7.24		
9/3/2020			
9/4/2020			
9/8/2020			
9/9/2020	7.12	7.59	
9/14/2020			
12/15/2020	7.39		
2/24/2021			
2/25/2021		7.43	
2/26/2021			
3/9/2021			
3/10/2021	7.41		
3/26/2021			
7/27/2021			
7/28/2021		7.29	
7/29/2021			
7/30/2021	7.13		

Prediction Limit

Constituent: pH (pH units) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021			
8/5/2021			
8/6/2021			
1/25/2022			
1/26/2022		7.78	
1/27/2022			
1/28/2022	7.38		
8/5/2022			
8/8/2022			6.79
8/9/2022		7.25	
8/10/2022			
8/11/2022	7.37		
11/3/2022	6.65		
2/8/2023			6.77
2/9/2023			
2/10/2023	7.01		
8/2/2023			6.84
8/3/2023	6.74 (D)		
8/4/2023			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-53 (bg)	GWA-53R (bg)
2/29/2016	5.7396								
3/1/2016		2.5655	6.8929	0.9427 (J)					
3/2/2016					7.1892	2.5669	32.178	1.799	2.0407
3/3/2016									
3/8/2016									
5/2/2016		1.64	1.6						
5/3/2016				0.87 (J)		1.83	39.2	1.94	1.86
5/4/2016	6.87				7.22				
5/9/2016									
7/6/2016			1.7						
7/7/2016		1.7				1.8			
7/8/2016	8.1			0.79 (J)	6.7			2	
7/11/2016							16		2
7/18/2016									
9/7/2016		1.8	1.5	0.85 (J)					1.9
9/8/2016	6.6				7	0.97 (J)		1.9	
9/9/2016							9.7		
9/13/2016									
10/25/2016		1.4	1.8	0.74 (J)		1.2			
10/26/2016	4.7				6.4		9.2	2.1	
10/27/2016									2.1
1/5/2017		1.9 (J)	4.6						
1/6/2017	4.8			0.64 (J)					2
1/9/2017					5.9		9.3	1.9	
1/13/2017									
2/9/2017						0.31 (J)			
3/14/2017			2.8	0.77 (J)					
3/15/2017	3.9	1.2			6.2				
3/16/2017							6.9	2	1.9
3/23/2017						0.54 (J)			
5/16/2017			2.1	0.48 (J)					
5/17/2017	5.2	1.2				0.66 (J)			
5/18/2017					6.1		7.9		
5/19/2017								2	1.9
7/19/2017									
9/15/2017	4.4	1	3	0.76 (J)	5.8		17		
9/18/2017									
9/19/2017						2		2	2.1
3/12/2018		0.77 (J)	8.2	0.42 (J)			28.7		
3/13/2018	8.5				4.9	1.5		1.9	1.9
9/6/2018	7.2	0.8 (J)	1.5	0.37 (J)	3.5	1.4			
9/7/2018							27.4		
9/11/2018								1.9	1.8
3/6/2019		0.45 (J)		0.46 (J)					
3/7/2019	12.7		4.3		2.6	1.1			
3/8/2019							31.8	1.8	
3/12/2019									2.2
9/4/2019	4.2	0.68 (J)	1.8	<1		0.83 (J)			
9/5/2019					2.4		21.5	1.5	1.5
3/2/2020	16.3	<1	7.9	<1		0.5 (J)			
3/3/2020					1.7		29		
3/4/2020								1.5	1.7

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-36RA (bg)	GWA-37 (bg)	GWA-54 (bg)	GWA-38 (bg)	GWA-55 (bg)	GWA-53 (bg)	GWA-53R (bg)
9/3/2020	3.5	0.65 (J)		<1		0.58 (J)			
9/4/2020							20.4		
9/8/2020					1.8			1.4	1.4
9/9/2020									
9/14/2020			1.3						
2/24/2021	29.2	0.51 (J)		<1		0.72 (J)			
2/25/2021					1.7		34.5		
2/26/2021								1.6	1.6
3/9/2021									
3/26/2021			5.4						
7/27/2021	23.3		7.4		1.8				
7/28/2021				<1		0.81 (J)	32.8		
7/29/2021								1.3	1.4
8/2/2021									
8/6/2021		0.94 (J)							
1/25/2022	8.6				1.4	0.58 (J)			
1/26/2022			7.5	<1			32.5	1.4	1.6
1/27/2022									
8/5/2022	4.4				1.4	<1			
8/8/2022			19.2	<1			30	1.3	1.5
8/9/2022									
2/8/2023			21.7	0.75 (J)		0.9 (J)			
2/9/2023									
8/2/2023				0.57 (J)		0.67 (J)			
8/3/2023			4.2						

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-25R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016	132.4615	22.316			
3/8/2016			1.3157		
5/2/2016					
5/3/2016		20.8			
5/4/2016			1.46	16.8	
5/9/2016	34.3				
7/6/2016					
7/7/2016				18	
7/8/2016					
7/11/2016	58	17			
7/18/2016			1.5		
9/7/2016					
9/8/2016				18	
9/9/2016	66	14			
9/13/2016			1.5		
10/25/2016					
10/26/2016	76			20	
10/27/2016		15	1.7		
1/5/2017					
1/6/2017				21	
1/9/2017	85	17			
1/13/2017			2		
2/9/2017					
3/14/2017					
3/15/2017	100			17	
3/16/2017		15	1.6		
3/23/2017					
5/16/2017					
5/17/2017					
5/18/2017	87	24		19	
5/19/2017			1.5		
7/19/2017				10	
9/15/2017	110				
9/18/2017		22			
9/19/2017			1.8	22	
3/12/2018		22			
3/13/2018	94.8		1.7	27.3	
9/6/2018					
9/7/2018	101	22.4		26.9	
9/11/2018			1.7		
3/6/2019					
3/7/2019	88.7	25			
3/8/2019			1.6	23.6	
3/12/2019					
9/4/2019	67.8			22.9	
9/5/2019		22.7	1.6		
3/2/2020					
3/3/2020			1.6	21.5	
3/4/2020	69.4	23.4			

Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-25R	GWA-51RZ (bg)	GWA-36A (bg)
9/3/2020					
9/4/2020	54.9	16.1	1.6		
9/8/2020					
9/9/2020				21.8	
9/14/2020					
2/24/2021					
2/25/2021	62.6	23.2		29.5	
2/26/2021					
3/9/2021			1.6		
3/26/2021					
7/27/2021					
7/28/2021	58.6	24.9		26.5	
7/29/2021					
8/2/2021			1.7		
8/6/2021					
1/25/2022					
1/26/2022	47.1			22.2	
1/27/2022		20.7	2		
8/5/2022	42.9				
8/8/2022		23.5			23.4
8/9/2022			1.9	22.3	
2/8/2023					24.6
2/9/2023			2.3		
8/2/2023					7.9
8/3/2023			2.2		

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-55 (bg)	GWA-38 (bg)	GWA-54 (bg)
2/29/2016	134								
3/1/2016		96	34	150					
3/2/2016					134	130	185	34	125
3/3/2016									
3/9/2016									
5/2/2016		63		105					
5/3/2016			<25		76	99	182	<25	
5/4/2016	113								77
5/6/2016									
5/9/2016									
7/6/2016				113					
7/7/2016		105						39	
7/8/2016	152		14 (J)			132			139
7/11/2016					142		195		
7/15/2016									
9/7/2016		103	16 (J)	169	143				
9/8/2016	124					108		<25	110
9/9/2016							140		
9/14/2016									
10/25/2016		101	<25	152				<25	
10/26/2016	134					113	148		115
10/27/2016					114				
11/1/2016									
1/5/2017		155		229					
1/6/2017			189 (O)						
1/9/2017						146	171		121
1/25/2017									
2/9/2017								65	
3/14/2017			90 (o)	188					
3/15/2017	139	96							132
3/16/2017					146	132	176		
3/22/2017									
3/23/2017								<25	
5/16/2017			20 (J)	147					
5/17/2017	156	110						113	
5/18/2017							184		174
5/19/2017					129	114			
5/24/2017									
7/19/2017									
9/15/2017	141	89	14 (J)	146			194		124
9/18/2017									
9/19/2017					165	154		21 (J)	
9/21/2017									
3/12/2018		81	<25	169			212		
3/13/2018	150				132	138		33	133
3/14/2018									
9/6/2018	160	107	<25	155				<25	135
9/7/2018							240		
9/11/2018					142	140			
3/6/2019		71 (J)	22 (J)						
3/7/2019	159			135				84	111
3/8/2019						143	248		

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-55 (bg)	GWA-38 (bg)	GWA-54 (bg)
3/12/2019					150 (J)				
9/4/2019	135	83	26	142				44	
9/5/2019					142	148	229		132
9/6/2019									
3/2/2020	142	65	<25	170				32	
3/3/2020							210		91
3/4/2020					157	146			
3/5/2020									
9/3/2020	132	90	25					21	
9/4/2020							226		
9/8/2020					124	138			116
9/9/2020									
9/14/2020				156					
12/15/2020									
2/24/2021	144	60	10					12	
2/25/2021							217		124
2/26/2021					98	128			
3/10/2021									
3/26/2021				123					
7/27/2021	170			163					116
7/28/2021			13				232	18	
7/29/2021					134	121			
7/30/2021									
8/6/2021		94							
1/25/2022	136							27	113
1/26/2022			26	184	144	131	244		
1/27/2022									
1/28/2022									
8/5/2022	123							27	106
8/8/2022			19 (J)	232 (J)	136 (J)	137 (J)	240 (J)		
8/9/2022									
8/11/2022									
11/3/2022									
2/8/2023			<25	238				31	
2/10/2023									
8/2/2023			<25					32	
8/3/2023				188					

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016					
3/1/2016					
3/2/2016					
3/3/2016	403	181			
3/9/2016			287		
5/2/2016					
5/3/2016		123			
5/4/2016				175	
5/6/2016			284		
5/9/2016	182				
7/6/2016					
7/7/2016				204	
7/8/2016					
7/11/2016	262	149			
7/15/2016			249		
9/7/2016					
9/8/2016				141	
9/9/2016	272	133			
9/14/2016			273		
10/25/2016					
10/26/2016	276			153	
10/27/2016		168			
11/1/2016			258		
1/5/2017					
1/6/2017				329	
1/9/2017	317	166			
1/25/2017			340		
2/9/2017					
3/14/2017					
3/15/2017	355			197	
3/16/2017		189			
3/22/2017			264		
3/23/2017					
5/16/2017					
5/17/2017					
5/18/2017	382	192		250	
5/19/2017					
5/24/2017			331		
7/19/2017				195	
9/15/2017	362				
9/18/2017		184			
9/19/2017				255	
9/21/2017			347		
3/12/2018		207			
3/13/2018	349			233	
3/14/2018			290		
9/6/2018					
9/7/2018	377	202		232	
9/11/2018			295		
3/6/2019					
3/7/2019	410	212			
3/8/2019				244	

Prediction Limit

Constituent: Total Dissolved Solids (mg/l) Analysis Run 9/15/2023 9:02 AM View: Appendix III - Two-Step
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
3/12/2019			310 (J)		
9/4/2019	326			207	
9/5/2019		183			
9/6/2019			300		
3/2/2020					
3/3/2020				211	
3/4/2020	325	207			
3/5/2020			265		
9/3/2020					
9/4/2020	267	180			
9/8/2020					
9/9/2020			501	205	
9/14/2020					
12/15/2020			351		
2/24/2021					
2/25/2021	284	194		217	
2/26/2021					
3/10/2021			333		
3/26/2021					
7/27/2021					
7/28/2021	291	206		199	
7/29/2021					
7/30/2021			380		
8/6/2021					
1/25/2022					
1/26/2022	278			190	
1/27/2022		207			
1/28/2022			454		
8/5/2022	271				
8/8/2022		209 (J)			232 (J)
8/9/2022				208	
8/11/2022			586		
11/3/2022			573 (J)		
2/8/2023					245
2/10/2023			533		
8/2/2023					224
8/3/2023			536		

FIGURE I.

Appendix III Interwell Prediction Limits - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:07 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-16R	54.8	n/a	8/4/2023	69.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	8/4/2023	68.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2

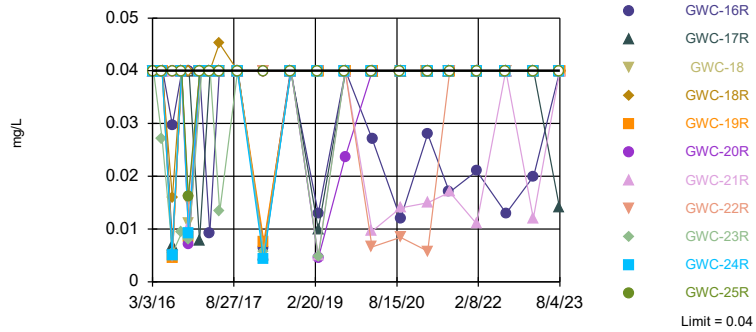
Appendix III Interwell Prediction Limits - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:07 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-16R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17R	0.04	n/a	8/3/2023	0.014J	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21R	0.04	n/a	8/4/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25R	0.04	n/a	8/3/2023	0.04ND	No	235	n/a	n/a	63.83	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-16R	54.8	n/a	8/4/2023	69.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	54.8	n/a	8/3/2023	16.5	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18R	54.8	n/a	8/4/2023	31.8	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19R	54.8	n/a	8/4/2023	31.1	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20R	54.8	n/a	8/3/2023	41.9	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21R	54.8	n/a	8/4/2023	68.8	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22R	54.8	n/a	8/3/2023	33.6	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23R	54.8	n/a	8/3/2023	65.2	Yes	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24R	54.8	n/a	8/3/2023	31.7	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25R	54.8	n/a	8/3/2023	34.3	No	235	n/a	n/a	0	n/a	n/a	0.00004913	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16R	0.4	n/a	8/4/2023	0.079J	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-17R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-18R	0.4	n/a	8/4/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-19R	0.4	n/a	8/4/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-20R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-21R	0.4	n/a	8/4/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-22R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-23R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-24R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2
Fluoride (mg/L)	GWC-25R	0.4	n/a	8/3/2023	0.1ND	No	235	n/a	n/a	59.57	n/a	n/a	0.00004913	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
Interwell Non-parametric

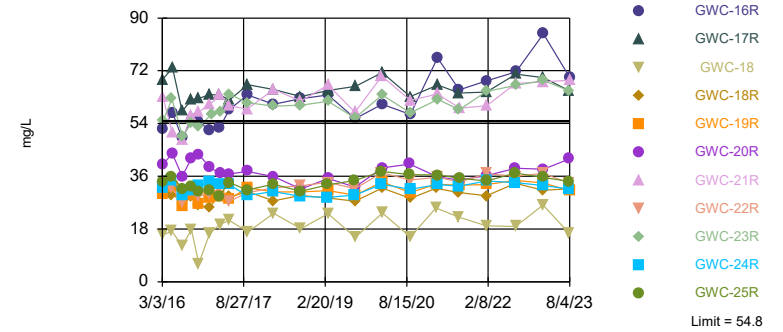


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 235 background values. 63.83% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Boron Analysis Run 9/15/2023 9:06 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Exceeds Limit: GWC-16R, GWC-17R, GWC-21R, GWC-23R

Prediction Limit
Interwell Non-parametric

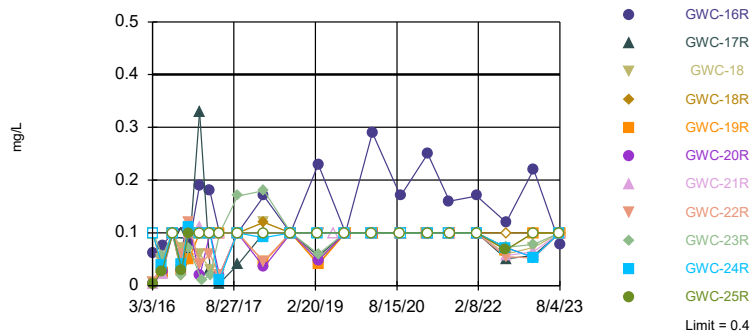


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 235 background values. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Calcium Analysis Run 9/15/2023 9:06 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Within Limit

Prediction Limit
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 235 background values. 59.57% NDs. Annual per-constituent alpha = 0.00108. Individual comparison alpha = 0.00004913 (1 of 2). Comparing 11 points to limit.

Constituent: Fluoride Analysis Run 9/15/2023 9:06 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
2/29/2016	<0.04								
3/1/2016		<0.04	<0.04	<0.04					
3/2/2016					<0.04	<0.04	<0.04	<0.04	<0.04
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		<0.04		<0.04					
5/3/2016			<0.04		<0.04		<0.04	<0.04	<0.04
5/4/2016	<0.04					<0.04			
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016				0.0059 (J)					
7/7/2016		0.0081 (J)							<0.04
7/8/2016	0.009 (J)		0.0067 (J)			0.0046 (J)		<0.04	
7/11/2016					0.0054 (J)		<0.04		
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.04	0.0084 (J)	<0.04			<0.04		
9/8/2016	<0.04					0.0081 (J)		<0.04	<0.04
9/9/2016					<0.04				
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		0.0071 (J)	0.0089 (J)	0.0077 (J)					<0.04
10/26/2016	0.0077 (J)				0.0144 (J)	0.0088 (J)		0.0095 (J)	
10/27/2016							0.0148 (J)		
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		<0.04		0.0074 (J)					
1/6/2017	0.0084 (J)		<0.04				<0.04		
1/9/2017					<0.04	<0.04		<0.04	
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017									<0.04
3/14/2017			<0.04	0.0062 (J)					
3/15/2017	<0.04	<0.04				<0.04		<0.04	
3/16/2017					<0.04		<0.04	<0.04	
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017									<0.04

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			<0.04	<0.04					
5/17/2017	<0.04	<0.04							<0.04
5/18/2017					<0.04	<0.04			
5/19/2017							<0.04	<0.04	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04			
9/18/2017									
9/19/2017							<0.04	<0.04	<0.04
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.04	0.004 (J)	0.0082 (J)	0.0055 (J)				
3/13/2018	0.0084 (J)					0.0053 (J)	<0.04	<0.04	<0.04
3/14/2018									
9/6/2018	<0.04	<0.04	<0.04	<0.04		<0.04			<0.04
9/7/2018					<0.04				
9/10/2018									
9/11/2018							<0.04	<0.04	
3/6/2019		<0.04	<0.04						
3/7/2019	<0.04			0.0049 (J)		<0.04			<0.04
3/8/2019					0.0056 (J)			<0.04	
3/11/2019									
3/12/2019							<0.04		
9/4/2019	<0.04	<0.04	<0.04	<0.04					<0.04
9/5/2019					<0.04	<0.04	<0.04	<0.04	
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	0.007 (J)	0.01 (J)	0.0052 (J)	0.014 (J)					<0.04
3/3/2020					0.01 (J)	0.0084 (J)			
3/4/2020							<0.04	0.0064 (J)	
3/5/2020									
3/6/2020									
9/3/2020	<0.04	<0.04	<0.04						<0.04
9/4/2020					0.0053 (J)				
9/8/2020						<0.04	<0.04	0.0072 (J)	
9/9/2020									
9/14/2020				0.0065 (J)					
2/24/2021	0.0099 (J)	0.0062 (J)	<0.04						<0.04
2/25/2021					0.0075 (J)	<0.04			
2/26/2021							<0.04	<0.04	
3/9/2021									
3/10/2021									
3/26/2021				0.019 (J)					
7/27/2021	0.021 (J)			0.013 (J)		<0.04			
7/28/2021			<0.04		<0.04				<0.04
7/29/2021							<0.04	<0.04	
7/30/2021									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
8/2/2021									
8/5/2021									
8/6/2021		<0.04							
1/25/2022	<0.04					<0.04			<0.04
1/26/2022			<0.04	0.012 (J)	<0.04		<0.04	<0.04	
1/27/2022									
1/28/2022									
8/5/2022	<0.04					<0.04			0.009 (J)
8/8/2022			<0.04	0.018 (J)	<0.04		<0.04	<0.04	
8/9/2022									
8/10/2022									
8/11/2022									
2/8/2023			<0.04	0.023 (J)					<0.04
2/9/2023									
2/10/2023									
8/2/2023			<0.04						<0.04
8/3/2023				0.018 (J)					
8/4/2023									

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-22R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	<0.04	<0.04	<0.04						
3/4/2016				<0.04	<0.04				
3/7/2016						<0.04	<0.04	<0.04	<0.04
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016		<0.04							
5/4/2016									
5/5/2016				<0.04		<0.04	<0.04		<0.04
5/6/2016									
5/9/2016	<0.04							<0.04	
5/10/2016			<0.04		<0.04				
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	0.0128 (J)	0.0047 (J)							
7/12/2016				0.005 (J)					
7/13/2016			0.0297 (J)			0.0047 (J)	0.0159 (J)		
7/14/2016					0.0069 (J)			0.0045 (J)	0.0047 (J)
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	0.0158 (J)	<0.04							
9/12/2016							<0.04	<0.04	<0.04
9/13/2016				<0.04		<0.04			
9/14/2016					<0.04				
9/15/2016			<0.04						
10/25/2016									
10/26/2016	0.0257 (J)								
10/27/2016		0.0108 (J)		0.0093 (J)					0.0153 (J)
10/31/2016						0.0111 (J)		0.0086 (J)	
11/1/2016					<0.04		<0.04		
11/2/2016			<0.04						
1/5/2017									
1/6/2017									
1/9/2017	0.0219 (J)	<0.04							
1/11/2017			<0.04		0.0078 (J)		<0.04	<0.04	
1/12/2017						<0.04			
1/13/2017				<0.04					<0.04
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	0.0253 (J)								
3/16/2017		<0.04							
3/20/2017			0.0092 (J)	<0.04			<0.04		<0.04
3/21/2017					<0.04			<0.04	
3/22/2017									
3/23/2017						<0.04			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-22R
5/16/2017									
5/17/2017									
5/18/2017	0.0249 (J)	<0.04							
5/19/2017				<0.04					
5/22/2017							0.0452	<0.04	
5/23/2017			<0.04		<0.04	<0.04			<0.04
5/24/2017									
7/19/2017									
9/15/2017	<0.04								
9/18/2017		<0.04							
9/19/2017				<0.04					<0.04
9/20/2017								<0.04	
9/21/2017			<0.04				<0.04		
9/22/2017					<0.04				
9/25/2017						<0.04			
3/12/2018		0.0041 (J)							
3/13/2018	0.024 (J)			0.0042 (J)					<0.04
3/14/2018			0.0065 (J)		0.0051 (J)	<0.04	<0.04	0.0076 (J)	
9/6/2018									
9/7/2018	0.024 (J)	<0.04	<0.04				<0.04		<0.04
9/10/2018								<0.04	
9/11/2018				<0.04	<0.04	<0.04			
3/6/2019									
3/7/2019	0.02 (J)	<0.04							
3/8/2019				<0.04					
3/11/2019			0.013 (J)						<0.04
3/12/2019					0.0099 (J)	<0.04	<0.04	<0.04	
9/4/2019	0.015 (J)								
9/5/2019		<0.04		<0.04					<0.04
9/6/2019							<0.04		
9/9/2019			<0.04			<0.04		<0.04	
9/10/2019					<0.04				
3/2/2020									
3/3/2020				<0.04					0.0066 (J)
3/4/2020	0.022 (J)	0.0063 (J)	0.027 (J)					<0.04	
3/5/2020					<0.04		<0.04		
3/6/2020						<0.04			
9/3/2020									
9/4/2020	0.015 (J)	<0.04							
9/8/2020									0.0084 (J)
9/9/2020			0.012 (J)	<0.04	<0.04	<0.04	<0.04	<0.04	
9/14/2020									
2/24/2021									
2/25/2021	0.017 (J)	0.0055 (J)							
2/26/2021						<0.04	<0.04	<0.04	
3/9/2021			0.028 (J)	<0.04					0.0058 (J)
3/10/2021					<0.04				
3/26/2021									
7/27/2021									
7/28/2021	0.016 (J)	<0.04							
7/29/2021				<0.04		<0.04	<0.04		
7/30/2021			0.017 (J)		<0.04				

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-22R
8/2/2021									<0.04
8/5/2021								<0.04	
8/6/2021									
1/25/2022									
1/26/2022	0.014 (J)								
1/27/2022		<0.04					<0.04	<0.04	<0.04
1/28/2022			0.021 (J)	<0.04	<0.04	<0.04			
8/5/2022	0.015 (J)								
8/8/2022		<0.04							
8/9/2022				<0.04				<0.04	
8/10/2022						<0.04	<0.04		<0.04
8/11/2022			0.013 (J)		<0.04				
2/8/2023									
2/9/2023				<0.04		<0.04	<0.04	<0.04	<0.04
2/10/2023			0.02 (J)		<0.04				
8/2/2023									
8/3/2023				<0.04	0.014 (J)	<0.04			<0.04
8/4/2023			<0.04				<0.04	<0.04	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016						
3/7/2016						
3/8/2016	<0.04	<0.04	<0.04			
3/9/2016				<0.04		
5/2/2016						
5/3/2016						
5/4/2016			<0.04		<0.04	
5/5/2016						
5/6/2016				0.0271 (J)		
5/9/2016	<0.04	<0.04				
5/10/2016						
7/6/2016						
7/7/2016					0.0096 (J)	
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016	<0.04					
7/15/2016		<0.04		0.0055 (J)		
7/18/2016			<0.04			
9/7/2016						
9/8/2016					0.0137 (J)	
9/9/2016		<0.04				
9/12/2016	<0.04					
9/13/2016			<0.04			
9/14/2016				0.0094 (J)		
9/15/2016						
10/25/2016						
10/26/2016					0.0247 (J)	
10/27/2016		0.0103 (J)	0.0162 (J)			
10/31/2016	0.007 (J)					
11/1/2016				0.008 (J)		
11/2/2016						
1/5/2017						
1/6/2017					0.0082 (J)	
1/9/2017						
1/11/2017						
1/12/2017	<0.04	<0.04				
1/13/2017			<0.04			
1/25/2017				<0.04		
2/9/2017						
3/14/2017						
3/15/2017					<0.04	
3/16/2017			<0.04			
3/20/2017						
3/21/2017		<0.04				
3/22/2017	<0.04			<0.04		
3/23/2017						

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017					0.0076 (J)	
5/19/2017			<0.04			
5/22/2017	<0.04					
5/23/2017		<0.04				
5/24/2017				0.0133 (J)		
7/19/2017					0.0193 (J)	
9/15/2017						
9/18/2017						
9/19/2017	<0.04	<0.04	<0.04		0.0132 (J)	
9/20/2017						
9/21/2017				<0.04		
9/22/2017						
9/25/2017						
3/12/2018						
3/13/2018			<0.04		0.013 (J)	
3/14/2018	<0.04	0.0053 (J)		0.0056 (J)		
9/6/2018						
9/7/2018					<0.04	
9/10/2018	<0.04	<0.04				
9/11/2018			<0.04	<0.04		
3/6/2019						
3/7/2019						
3/8/2019			<0.04		0.0085 (J)	
3/11/2019		0.005 (J)				
3/12/2019	0.0045 (J)			0.0047 (J)		
9/4/2019					0.01 (J)	
9/5/2019			<0.04			
9/6/2019	0.02365 (JD)	<0.04		<0.04		
9/9/2019						
9/10/2019						
3/2/2020						
3/3/2020		0.0096 (J)	<0.04		0.0096 (J)	
3/4/2020						
3/5/2020	<0.04			<0.04		
3/6/2020						
9/3/2020						
9/4/2020	<0.04		<0.04			
9/8/2020		0.014 (J)				
9/9/2020				<0.04	0.0054 (J)	
9/14/2020						
2/24/2021						
2/25/2021					0.0052 (J)	
2/26/2021						
3/9/2021	<0.04	0.015 (J)	<0.04			
3/10/2021				<0.04		
3/26/2021						
7/27/2021						
7/28/2021					<0.04	
7/29/2021						
7/30/2021				<0.04		

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021	<0.04	0.017 (J)	<0.04			
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022					0.0088 (J)	
1/27/2022	<0.04		<0.04			
1/28/2022		0.011 (J)		<0.04		
8/5/2022						
8/8/2022						0.023 (J)
8/9/2022	<0.04		<0.04		<0.04	
8/10/2022		<0.04				
8/11/2022				<0.04		
2/8/2023						0.028 (J)
2/9/2023		0.012 (J)	<0.04			
2/10/2023	<0.04			<0.04		
8/2/2023						0.0091 (J)
8/3/2023	<0.04		<0.04	<0.04		
8/4/2023		<0.04				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-22R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	36	36	52						
3/4/2016				32	69				
3/7/2016						16	30	30	32
3/8/2016									
3/9/2016									
5/2/2016									
5/3/2016		39.1							
5/4/2016									
5/5/2016				34.6		17.2	29.6		32.2
5/6/2016									
5/9/2016	39							32.6	
5/10/2016			57.6		72.9				
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	35.7	31.6							
7/12/2016				29.6					
7/13/2016			49			12.3	27.8		
7/14/2016					58.2			25.6	26.8
7/15/2016									
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	32	29.8							
9/12/2016							29.1	29.6	31.1
9/13/2016				31.1		17.8			
9/14/2016					62.2				
9/15/2016			55.4						
10/25/2016									
10/26/2016	28.5								
10/27/2016		28.9		32.8					29.2
10/31/2016						6.22		26.5	
11/1/2016					62.5		26.2		
11/2/2016			54.8						
1/5/2017									
1/6/2017									
1/9/2017	27.5	27.9							
1/11/2017			51.6		63.9		25.2	28.5	
1/12/2017						16.6			
1/13/2017				34					30
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	24.8								
3/16/2017		28.2							
3/20/2017			52.5	33.4			29.9		32
3/21/2017					63.8			29.1	
3/22/2017									
3/23/2017						19.6			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-22R
5/16/2017									
5/17/2017									
5/18/2017	26.9	31.3							
5/19/2017				33.2					
5/22/2017							28.9	28.2	
5/23/2017			58.7		62	21			27.5
5/24/2017									
7/19/2017									
9/15/2017	19.6								
9/18/2017		29.7							
9/19/2017				29.5					30.3
9/20/2017								32.1	
9/21/2017			63.8				30.8		
9/22/2017					67.2				
9/25/2017						17			
3/12/2018		38.2							
3/13/2018	26			30.8					32.1
3/14/2018			60.6		65.6	23.4 (J)	27.6	30.7	
9/6/2018									
9/7/2018	25.1	40.3	62.4				29.5		32.7
9/10/2018								30.7	
9/11/2018				29.1	63.2	18.1 (J)			
3/6/2019									
3/7/2019	33.3	40.4							
3/8/2019				28.8					
3/11/2019			63.8						33.9
3/12/2019					65.3	23.2 (J)	28.6	31.1	
9/4/2019	31.6								
9/5/2019		34.6		29.6 (D)					31.8
9/6/2019							27.5		
9/9/2019			55.7			15.2		29.6	
9/10/2019					66.7				
3/2/2020									
3/3/2020				33.3					37.2
3/4/2020	38	39.9	60.6					34	
3/5/2020					71.4		32		
3/6/2020						23.5			
9/3/2020									
9/4/2020	34.5	34.4							
9/8/2020									34.7
9/9/2020			57.1	31.5	63.2	15.3	28.5	30.5	
9/14/2020									
2/24/2021									
2/25/2021	36	44.8							
2/26/2021						25.2	31.9	33.3	
3/9/2021			76.4	33.2					35.7
3/10/2021					67.1				
3/26/2021									
7/27/2021									
7/28/2021	35.1	44.9							
7/29/2021				32.6		22	30.5		
7/30/2021			65.5		64.4				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-17R	GWC-18	GWC-18R	GWC-19R	GWC-22R
8/2/2021									34.1
8/5/2021								33	
8/6/2021									
1/25/2022									
1/26/2022	37.6								
1/27/2022		44.4					29.3	33.2	36.9
1/28/2022			68.5	34.4	64.7	19.1			
8/5/2022	38								
8/8/2022		47							
8/9/2022				33.8				34.6	
8/10/2022						18.9	33.6		36
8/11/2022			71.6		70.8				
2/8/2023									
2/9/2023				32.8		26.2	31.2	33.7	37
2/10/2023			84.6		69.6				
8/2/2023									
8/3/2023				31.7	65.2	16.5			33.6
8/4/2023			69.8				31.8	31.1	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016						
3/7/2016						
3/8/2016	40	63	34			
3/9/2016				55		
5/2/2016						
5/3/2016						
5/4/2016			36		43.4	
5/5/2016						
5/6/2016				62.4		
5/9/2016	43.8	50.8				
5/10/2016						
7/6/2016						
7/7/2016					40.1	
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016	36					
7/15/2016		48.2		49.5		
7/18/2016			31.7			
9/7/2016						
9/8/2016					37.1	
9/9/2016		56.9				
9/12/2016	42.1					
9/13/2016			32.5			
9/14/2016				54.4		
9/15/2016						
10/25/2016						
10/26/2016					38.8	
10/27/2016		57.9	30.9			
10/31/2016	43.4					
11/1/2016				52.8		
11/2/2016						
1/5/2017						
1/6/2017					39.6	
1/9/2017						
1/11/2017						
1/12/2017	39.1	60.5				
1/13/2017			31.2			
1/25/2017				57.2		
2/9/2017						
3/14/2017						
3/15/2017					36.1	
3/16/2017			29			
3/20/2017						
3/21/2017		63.7				
3/22/2017	37			58.1		
3/23/2017						

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017					40.1	
5/19/2017			33.9			
5/22/2017	36.8					
5/23/2017		60				
5/24/2017				64		
7/19/2017					46.9	
9/15/2017						
9/18/2017						
9/19/2017	37.7	58.9	31.3		47.7	
9/20/2017						
9/21/2017				61.1		
9/22/2017						
9/25/2017						
3/12/2018						
3/13/2018			33.3		46.1	
3/14/2018	35.9	65.6		59.9		
9/6/2018						
9/7/2018					44.2	
9/10/2018	31.6	61.7				
9/11/2018			30.9	60.2		
3/6/2019						
3/7/2019						
3/8/2019			33.1		46.6	
3/11/2019		67.1				
3/12/2019	35.2			61.6		
9/4/2019					40.7	
9/5/2019			34.6			
9/6/2019	32.35 (D)	57.8		55.9		
9/9/2019						
9/10/2019						
3/2/2020						
3/3/2020		70.2	37.6		47.6	
3/4/2020						
3/5/2020	38.9			63.7		
3/6/2020						
9/3/2020						
9/4/2020	40.2		36.6			
9/8/2020		61.9				
9/9/2020				57.6	44.1	
9/14/2020						
2/24/2021						
2/25/2021					49.8	
2/26/2021						
3/9/2021	35.8	64.1	36.4			
3/10/2021				62.2		
3/26/2021						
7/27/2021						
7/28/2021					47.1	
7/29/2021						
7/30/2021				58.7		

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-21R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWA-36A (bg)
8/2/2021	34.7	59.3	35.4			
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022					50.5	
1/27/2022	36.2		34.4			
1/28/2022		60		64.9		
8/5/2022						
8/8/2022						53.1
8/9/2022	38.7		37.1		46.1	
8/10/2022		67.7				
8/11/2022				67		
2/8/2023						51.6
2/9/2023		68.2	35.6			
2/10/2023	38.4			68.7		
8/2/2023						40.7
8/3/2023	41.9		34.3	65.2		
8/4/2023		68.8				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
2/29/2016	0.0375 (J)								
3/1/2016		0.0153 (J)	0.0215 (J)	0.0172 (J)					
3/2/2016					0.0293 (J)	0.0427 (J)	0.0238 (J)	0.0202 (J)	0.0121 (J)
3/3/2016									
3/4/2016									
3/7/2016									
3/8/2016									
3/9/2016									
5/2/2016		0.018 (J)		0.018 (J)					
5/3/2016			0.023 (J)		0.049 (J)		0.027 (J)	0.025 (J)	0.013 (J)
5/4/2016	0.04 (J)					0.048 (J)			
5/5/2016									
5/6/2016									
5/9/2016									
5/10/2016									
7/6/2016				0.02 (J)					
7/7/2016		<0.1							<0.1
7/8/2016	0.11 (J)		0.02 (J)			0.12 (J)		0.09 (J)	
7/11/2016					<0.1		<0.1		
7/12/2016									
7/13/2016									
7/14/2016									
7/15/2016									
7/18/2016									
9/7/2016		<0.1	<0.1	<0.1			<0.1		
9/8/2016	<0.1					<0.1		<0.1	<0.1
9/9/2016					0.05 (J)				
9/12/2016									
9/13/2016									
9/14/2016									
9/15/2016									
10/25/2016		<0.1	0.04 (J)	0.03 (J)					0.03 (J)
10/26/2016	0.04 (J)				0.08 (J)	0.11 (J)		0.04 (J)	
10/27/2016							0.1 (J)		
10/31/2016									
11/1/2016									
11/2/2016									
1/5/2017		<0.1		0.03 (J)					
1/6/2017	0.04 (J)		<0.1				0.02 (J)		
1/9/2017					0.05 (J)	0.04 (J)		0.02 (J)	
1/11/2017									
1/12/2017									
1/13/2017									
1/25/2017									
2/9/2017									<0.1
3/14/2017			<0.1	<0.1					
3/15/2017	<0.1	<0.1				0.009 (J)			
3/16/2017					0.07 (J)		0.04 (J)	<0.1	
3/20/2017									
3/21/2017									
3/22/2017									
3/23/2017									<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
5/16/2017			<0.1	<0.1					
5/17/2017	0.01 (J)	<0.1							<0.1
5/18/2017					<0.1	0.02 (J)			
5/19/2017							0.004 (J)	<0.1	
5/22/2017									
5/23/2017									
5/24/2017									
7/19/2017									
9/15/2017	<0.1	<0.1	<0.1	<0.1	<0.1	0.03 (J)			
9/18/2017									
9/19/2017							<0.1	<0.1	<0.1
9/20/2017									
9/21/2017									
9/22/2017									
9/25/2017									
3/12/2018		<0.1	<0.1	<0.1	<0.1				
3/13/2018	0.084 (J)					0.054 (J)	0.032 (J)	<0.1	<0.1
3/14/2018									
9/6/2018	<0.1	<0.1	<0.1	<0.1		<0.1			<0.1
9/7/2018					<0.1				
9/10/2018									
9/11/2018							<0.1	<0.1	
3/6/2019		<0.1	<0.1						
3/7/2019	<0.1			<0.1		<0.1			<0.1
3/8/2019					<0.1			<0.1	
3/11/2019									
3/12/2019							0.046 (J)		
6/18/2019									
9/4/2019	<0.1	<0.1	<0.1	<0.1					<0.1
9/5/2019					<0.1	<0.1	<0.1	<0.1	
9/6/2019									
9/9/2019									
9/10/2019									
3/2/2020	<0.1	<0.1	<0.1	<0.1					<0.1
3/3/2020					<0.1	<0.1			
3/4/2020							<0.1	<0.1	
3/5/2020									
3/6/2020									
9/3/2020	<0.1	<0.1	<0.1						<0.1
9/4/2020					<0.1				
9/8/2020						<0.1	<0.1	<0.1	
9/9/2020									
9/14/2020				<0.1					
2/24/2021	<0.1	<0.1	<0.1						<0.1
2/25/2021					<0.1	<0.1			
2/26/2021							<0.1	<0.1	
3/9/2021									
3/10/2021									
3/26/2021				<0.1					
7/27/2021	<0.1			<0.1		<0.1			
7/28/2021			<0.1		<0.1				<0.1
7/29/2021							<0.1	<0.1	

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-52 (bg)	GWA-36 (bg)	GWA-37 (bg)	GWA-36RA (bg)	GWA-55 (bg)	GWA-54 (bg)	GWA-53R (bg)	GWA-53 (bg)	GWA-38 (bg)
7/30/2021									
8/2/2021									
8/5/2021									
8/6/2021		<0.1							
1/25/2022	<0.1					<0.1			<0.1
1/26/2022			<0.1	<0.1	<0.1		<0.1	<0.1	
1/27/2022									
1/28/2022									
8/5/2022	0.065 (J)					0.073 (J)			<0.1
8/8/2022			0.061 (J)	0.062 (J)	0.078 (J)		0.066 (J)	0.067 (J)	
8/9/2022									
8/10/2022									
8/11/2022									
2/8/2023			<0.1	<0.1					<0.1
2/9/2023									
2/10/2023									
8/2/2023			<0.1						<0.1
8/3/2023				<0.1					
8/4/2023									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-18	GWC-18R	GWC-22R	GWC-19R	GWC-21R
2/29/2016									
3/1/2016									
3/2/2016									
3/3/2016	0.1143 (J)	0.0392 (J)	0.06259 (JD)						
3/4/2016				<0.1					
3/7/2016					0.00623 (J)	0.00232 (J)	0.00526 (J)	<0.1	
3/8/2016									0.00287 (J)
3/9/2016									
5/2/2016									
5/3/2016		0.058 (J)							
5/4/2016									
5/5/2016				0.039 (J)	0.045 (J)	0.025 (J)	0.049 (J)		
5/6/2016									
5/9/2016	0.0383 (J)							0.0246 (J)	0.0222 (J)
5/10/2016			0.0767 (J)						
7/6/2016									
7/7/2016									
7/8/2016									
7/11/2016	<0.1	<0.1							
7/12/2016				<0.1					
7/13/2016			<0.1		<0.1	<0.1			
7/14/2016							<0.1	<0.1	
7/15/2016									<0.1
7/18/2016									
9/7/2016									
9/8/2016									
9/9/2016	0.1 (J)	0.02 (J)							0.03 (J)
9/12/2016						0.02 (J)	0.06 (J)	0.03 (J)	
9/13/2016				0.04 (J)	0.07 (J)				
9/14/2016									
9/15/2016			<0.1						
10/25/2016									
10/26/2016	0.2 (J)								
10/27/2016		0.12 (J)		0.11 (J)			0.12 (J)		0.1 (J)
10/31/2016					0.05 (J)			0.05 (J)	
11/1/2016						0.05 (J)			
11/2/2016			0.08 (J)						
1/5/2017									
1/6/2017									
1/9/2017	0.26 (J)	0.06 (J)							
1/11/2017			0.19 (J)			<0.1		<0.1	
1/12/2017					0.06 (J)				0.11 (J)
1/13/2017				<0.1			0.04 (J)		
1/25/2017									
2/9/2017									
3/14/2017									
3/15/2017	0.19 (J)								
3/16/2017		0.08 (J)							
3/20/2017			0.18 (J)	<0.1		<0.1	0.06 (J)		
3/21/2017								<0.1	<0.1
3/22/2017									
3/23/2017					0.03 (J)				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-18	GWC-18R	GWC-22R	GWC-19R	GWC-21R
5/16/2017									
5/17/2017									
5/18/2017	0.19 (J)	0.04 (J)							
5/19/2017				0.01 (J)					
5/22/2017						<0.1		<0.1	
5/23/2017			0.1 (J)		0.02 (J)		0.02 (J)		<0.1
5/24/2017									
7/19/2017									
9/15/2017	0.24 (J)								
9/18/2017		<0.1							
9/19/2017				<0.1			<0.1		<0.1
9/20/2017								<0.1	
9/21/2017			<0.1			<0.1			
9/22/2017									
9/25/2017					0.1 (J)				
3/12/2018		<0.1							
3/13/2018	0.4			0.091 (J)			0.046 (J)		
3/14/2018			0.17 (J)		0.12 (J)	0.12 (J)		0.045 (J)	<0.1
9/6/2018									
9/7/2018	0.14 (J)	<0.1	<0.1			<0.1	<0.1		
9/10/2018								<0.1	<0.1
9/11/2018				<0.1	<0.1				
3/6/2019									
3/7/2019	0.089 (J)	<0.1							
3/8/2019				<0.1					
3/11/2019			0.23 (J)				<0.1		0.51 (o)
3/12/2019					0.05 (J)	0.042 (J)		0.04 (J)	
6/18/2019									<0.1
9/4/2019	0.11 (J)								
9/5/2019		<0.1		<0.1			<0.1		
9/6/2019						<0.1			<0.1
9/9/2019			<0.1		<0.1			<0.1	
9/10/2019									
3/2/2020									
3/3/2020				<0.1			<0.1		<0.1
3/4/2020	0.086 (J)	<0.1	0.29 (J)					<0.1	
3/5/2020									
3/6/2020					<0.1				
9/3/2020									
9/4/2020	0.086 (J)	<0.1							
9/8/2020							<0.1		<0.1
9/9/2020			0.17 (J)	<0.1	<0.1	<0.1		<0.1	
9/14/2020									
2/24/2021									
2/25/2021	0.097 (J)	<0.1							
2/26/2021					<0.1	<0.1		<0.1	
3/9/2021			0.25	<0.1			<0.1		<0.1
3/10/2021									
3/26/2021									
7/27/2021									
7/28/2021	0.091 (J)	<0.1							
7/29/2021				<0.1	<0.1	<0.1			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWA-56 (bg)	GWA-55R (bg)	GWC-16R	GWC-24R	GWC-18	GWC-18R	GWC-22R	GWC-19R	GWC-21R
7/30/2021			0.16						
8/2/2021							<0.1		<0.1
8/5/2021								<0.1	
8/6/2021									
1/25/2022									
1/26/2022	0.076 (J)								
1/27/2022		<0.1				<0.1	<0.1	<0.1	
1/28/2022			0.17	<0.1	<0.1				<0.1
8/5/2022	0.094 (J)								
8/8/2022		0.07 (J)							
8/9/2022				0.072 (J)				0.067 (J)	
8/10/2022					0.06 (J)	<0.1	0.055 (J)		0.057 (J)
8/11/2022			0.12						
2/8/2023									
2/9/2023				0.053 (J)	0.072 (J)	<0.1	0.052 (J)	<0.1	0.064 (J)
2/10/2023			0.22						
8/2/2023									
8/3/2023				<0.1	<0.1		<0.1		
8/4/2023			0.079 (J)			<0.1		<0.1	<0.1

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
2/29/2016						
3/1/2016						
3/2/2016						
3/3/2016						
3/4/2016					2.1421 (O)	
3/7/2016						
3/8/2016	0.00425 (J)	0.00246 (J)				
3/9/2016			<0.1			
5/2/2016						
5/3/2016						
5/4/2016		0.027 (J)		0.057 (JD)		
5/5/2016						
5/6/2016			0.056 (J)			
5/9/2016	0.0259 (J)					
5/10/2016					0.0258 (J)	
7/6/2016						
7/7/2016				0.09 (JD)		
7/8/2016						
7/11/2016						
7/12/2016						
7/13/2016						
7/14/2016	<0.1				<0.1	
7/15/2016			<0.1			
7/18/2016		<0.1				
9/7/2016						
9/8/2016				0.03 (JD)		
9/9/2016						
9/12/2016	0.03 (J)					
9/13/2016		0.03 (J)				
9/14/2016			0.02 (J)		<0.1	
9/15/2016						
10/25/2016						
10/26/2016				0.15 (JD)		
10/27/2016		0.1 (J)				
10/31/2016	0.11 (J)					
11/1/2016			0.07 (J)		0.06 (J)	
11/2/2016						
1/5/2017						
1/6/2017				0.11 (JD)		
1/9/2017						
1/11/2017					0.33	
1/12/2017	0.02 (J)					
1/13/2017		<0.1				
1/25/2017			0.01 (J)			
2/9/2017						
3/14/2017						
3/15/2017				0.004 (JD)		
3/16/2017		<0.1				
3/20/2017						
3/21/2017					0.03 (J)	
3/22/2017	0.1 (J)		0.02 (J)			
3/23/2017						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
5/16/2017						
5/17/2017						
5/18/2017				0.007 (JD)		
5/19/2017		<0.1				
5/22/2017	0.02 (J)					
5/23/2017					0.004 (J)	
5/24/2017			<0.1			
7/19/2017				0.12 (JD)		
9/15/2017						
9/18/2017						
9/19/2017	<0.1	<0.1		0.07 (JD)		
9/20/2017						
9/21/2017			0.17 (J)			
9/22/2017					0.04 (J)	
9/25/2017						
3/12/2018						
3/13/2018		<0.1		0.16 (J)		
3/14/2018	0.035 (J)		0.18 (J)		<0.1	
9/6/2018						
9/7/2018				<0.1		
9/10/2018	<0.1					
9/11/2018		<0.1	<0.1		<0.1	
3/6/2019						
3/7/2019						
3/8/2019		<0.1		0.075 (J)		
3/11/2019						
3/12/2019	0.048 (J)		0.06 (J)		0.056 (J)	
6/18/2019						
9/4/2019				<0.1		
9/5/2019		<0.1				
9/6/2019	<0.1		<0.1			
9/9/2019						
9/10/2019					<0.1	
3/2/2020						
3/3/2020		<0.1		<0.1		
3/4/2020						
3/5/2020	<0.1		<0.1		<0.1	
3/6/2020						
9/3/2020						
9/4/2020	<0.1	<0.1				
9/8/2020						
9/9/2020			<0.1	<0.1	<0.1	
9/14/2020						
2/24/2021						
2/25/2021				<0.1		
2/26/2021						
3/9/2021	<0.1	<0.1				
3/10/2021			<0.1		<0.1	
3/26/2021						
7/27/2021						
7/28/2021				<0.1		
7/29/2021						

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/15/2023 9:07 AM View: Appendix III - Interwell
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

	GWC-20R	GWC-25R	GWC-23R	GWA-51RZ (bg)	GWC-17R	GWA-36A (bg)
7/30/2021			<0.1		<0.1	
8/2/2021	<0.1	<0.1				
8/5/2021						
8/6/2021						
1/25/2022						
1/26/2022				<0.1		
1/27/2022	<0.1	<0.1				
1/28/2022			<0.1		<0.1	
8/5/2022						
8/8/2022						0.063 (J)
8/9/2022	0.072 (J)	0.068 (J)		0.072 (J)		
8/10/2022						
8/11/2022			0.073 (J)		0.051 (J)	
2/8/2023						<0.1
2/9/2023		<0.1				
2/10/2023	0.054 (J)		0.078 (J)		0.057 (J)	
8/2/2023						<0.1
8/3/2023	<0.1	<0.1	<0.1		<0.1	
8/4/2023						

FIGURE J.

Appendix III Trend Tests Summary - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:12 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-37 (bg)	-0.03511	-176	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	2.861	136	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.46	99	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.574	112	87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.06406	-113	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1173	-139	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-22R	-0.1088	-163	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-23R	-0.05053	-108	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-25R	0.06653	105	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	30.08	157	98	Yes	23	0	n/a	n/a	0.01	NP

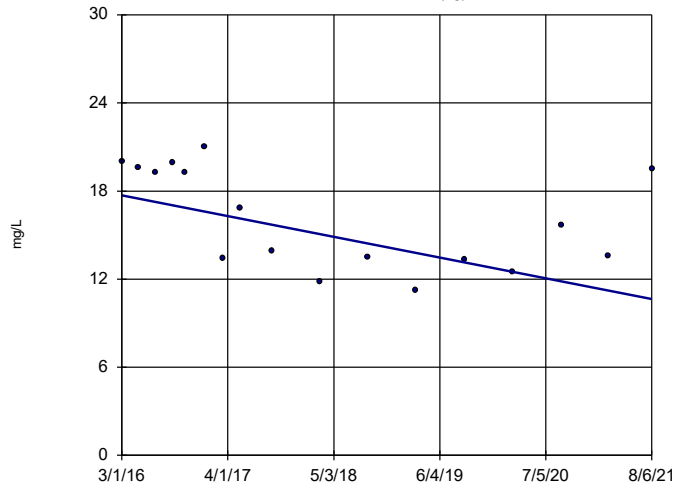
Appendix III Trend Tests Summary - All Results

Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR Printed 9/15/2023, 9:12 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-36 (bg)	-1.299	-55	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-36RA (bg)	1.434	71	87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-37 (bg)	-0.03511	-176	-87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-38 (bg)	-0.01001	-4	-87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-51RZ (bg)	1.383	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-52 (bg)	0.3552	48	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53 (bg)	0.2237	38	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-53R (bg)	0.4349	61	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-54 (bg)	-0.2535	-50	-74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55 (bg)	2.879	106	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-55R (bg)	1.995	83	74	Yes	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-56 (bg)	0.6697	25	74	No	19	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-16R	2.861	136	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-17R	0.4581	49	87	No	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-21R	1.46	99	87	Yes	21	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23R	1.574	112	87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36 (bg)	-0.08433	-64	-63	Yes	17	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-36RA (bg)	-0.06406	-113	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-37 (bg)	-0.1173	-139	-87	Yes	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-38 (bg)	-0.08312	-86	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-51RZ (bg)	-0.01096	-9	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-52 (bg)	-0.02658	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53 (bg)	-0.02035	-69	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-53R (bg)	-0.02694	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-54 (bg)	-0.04576	-75	-74	Yes	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55 (bg)	-0.05556	-65	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-55R (bg)	-0.07241	-72	-74	No	19	0	n/a	n/a	0.01	NP
pH (pH units)	GWA-56 (bg)	-0.03349	-38	-81	No	20	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-16R	-0.0137	-38	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-17R	0	3	87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-18R	-0.02209	-78	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-19R	-0.006806	-38	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-20R	0.001747	4	92	No	22	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-21R	-0.02734	-58	-87	No	21	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-22R	-0.1088	-163	-92	Yes	22	0	n/a	n/a	0.01	NP
pH (pH units)	GWC-23R	-0.05053	-108	-98	Yes	23	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36 (bg)	-0.3026	-93	-63	Yes	17	5.882	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-36RA (bg)	0.8772	78	87	No	21	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-37 (bg)	0	15	87	No	21	33.33	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-38 (bg)	-0.1504	-80	-87	No	21	4.762	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-51RZ (bg)	1.159	82	74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-52 (bg)	0.4686	24	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53 (bg)	-0.1066	-100	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-53R (bg)	-0.08398	-86	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-54 (bg)	-1.072	-154	-74	Yes	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55 (bg)	2.654	49	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-55R (bg)	0.646	62	74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-56 (bg)	-5.801	-45	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-25R	0.06653	105	87	Yes	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36 (bg)	-5.809	-41	-63	No	17	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-36RA (bg)	6.929	70	87	No	21	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-37 (bg)	0	1	74	No	19	36.84	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-38 (bg)	-1.374	-69	-87	No	21	23.81	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-51RZ (bg)	0.9489	9	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-52 (bg)	1.996	24	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53 (bg)	3.456	36	74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-53R (bg)	0.8352	15	68	No	18	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-54 (bg)	-1.665	-24	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55 (bg)	11.85	102	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-55R (bg)	8.787	98	74	Yes	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWA-56 (bg)	-2.005	-7	-74	No	19	0	n/a	n/a	0.01	NP
Total Dissolved Solids (mg/l)	GWC-23R	30.08	157	98	Yes	23	0	n/a	n/a	0.01	NP

Sen's Slope Estimator

GWA-36 (bg)

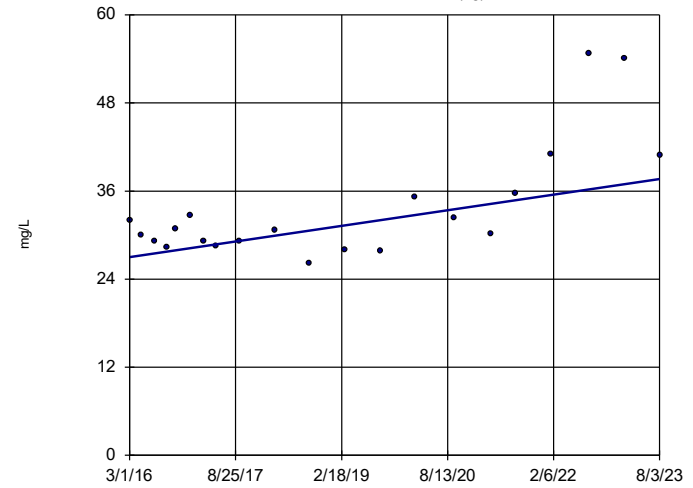


n = 17
 Slope = -1.299
 units per year.
 Mann-Kendall
 statistic = -55
 critical = -63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

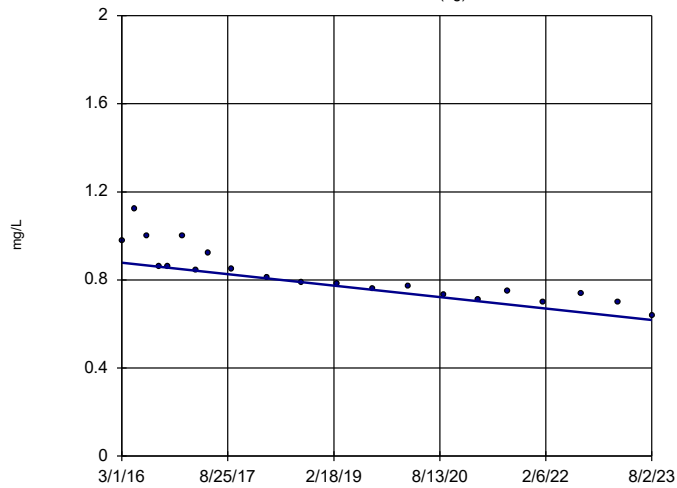


n = 21
 Slope = 1.434
 units per year.
 Mann-Kendall
 statistic = 71
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

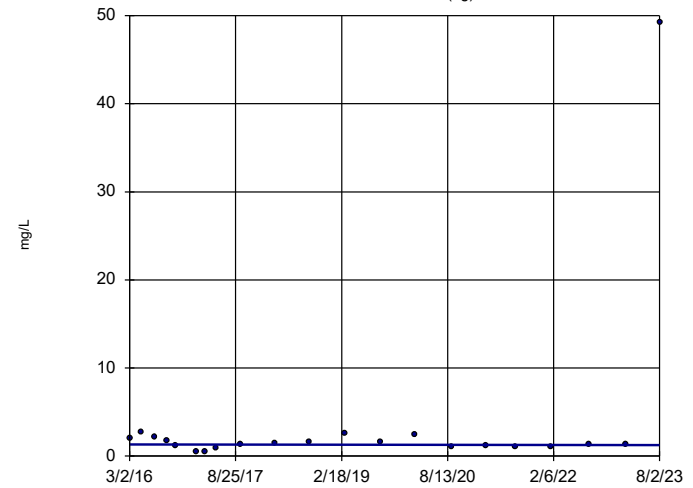


n = 21
 Slope = -0.03511
 units per year.
 Mann-Kendall
 statistic = -176
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

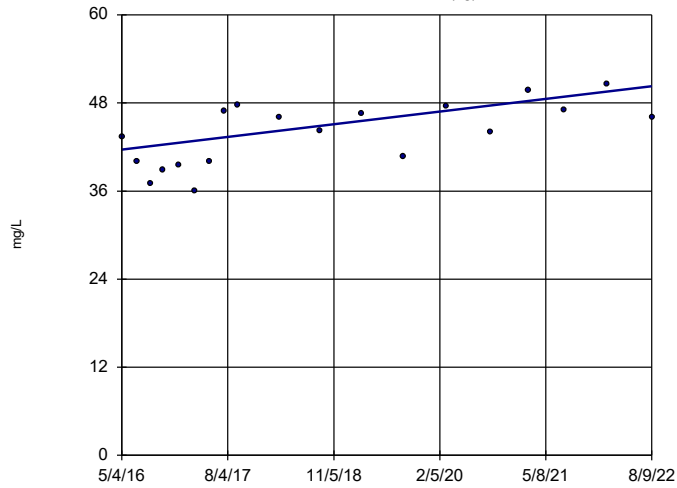


n = 21
 Slope = -0.01001
 units per year.
 Mann-Kendall
 statistic = -4
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

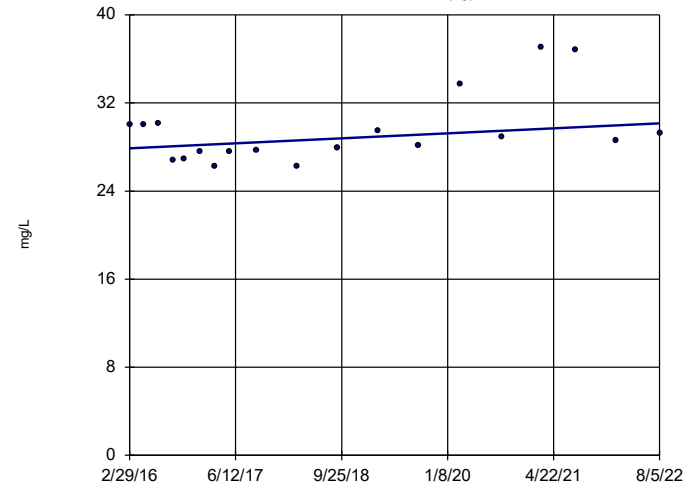


n = 19
 Slope = 1.383
 units per year.
 Mann-Kendall
 statistic = 83
 critical = 74
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

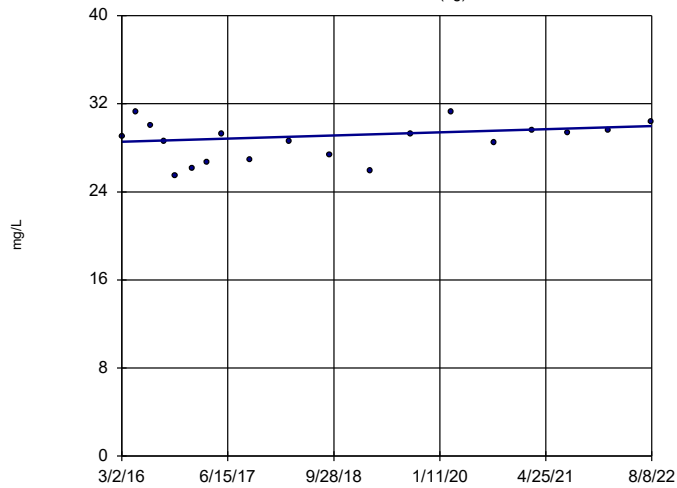


n = 19
 Slope = 0.3552
 units per year.
 Mann-Kendall
 statistic = 48
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

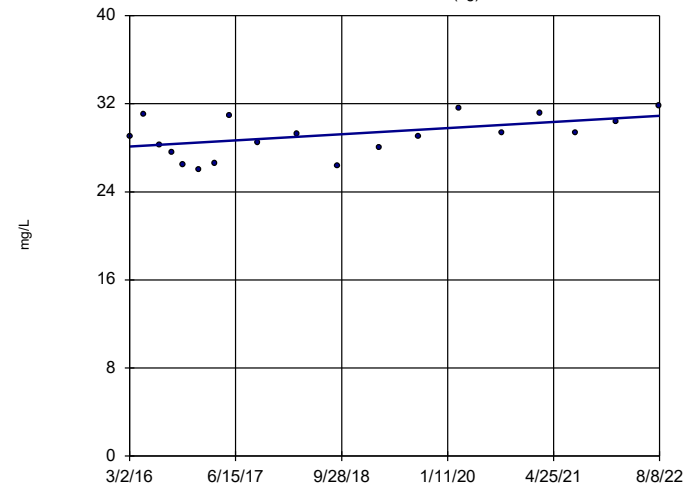


n = 19
 Slope = 0.2237
 units per year.
 Mann-Kendall
 statistic = 38
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53R (bg)

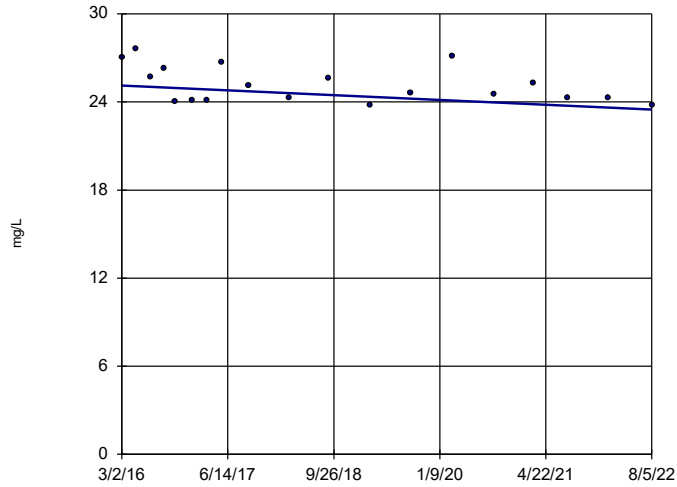


n = 19
 Slope = 0.4349
 units per year.
 Mann-Kendall
 statistic = 61
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

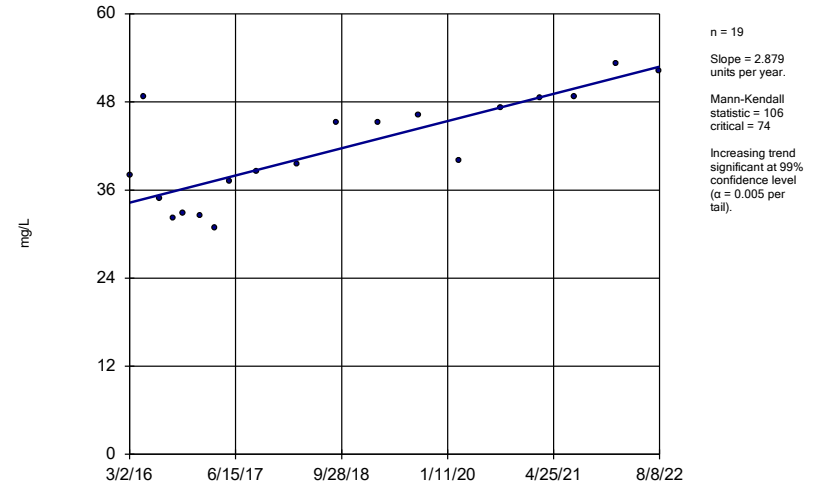
GWA-54 (bg)



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

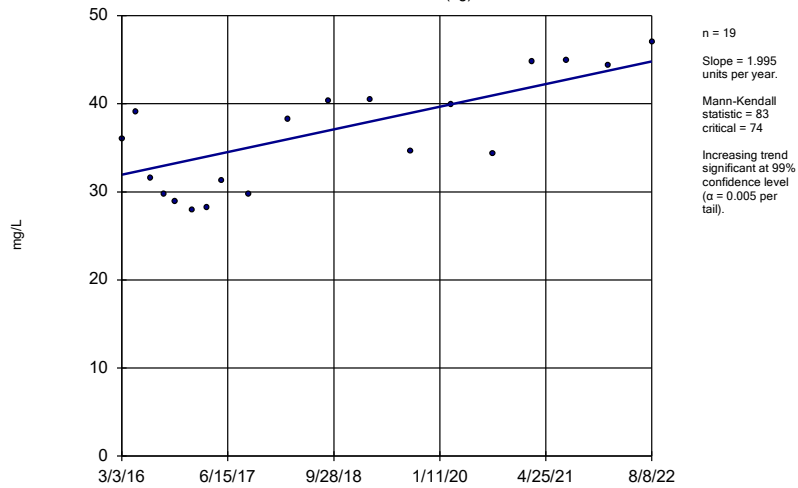
GWA-55 (bg)



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

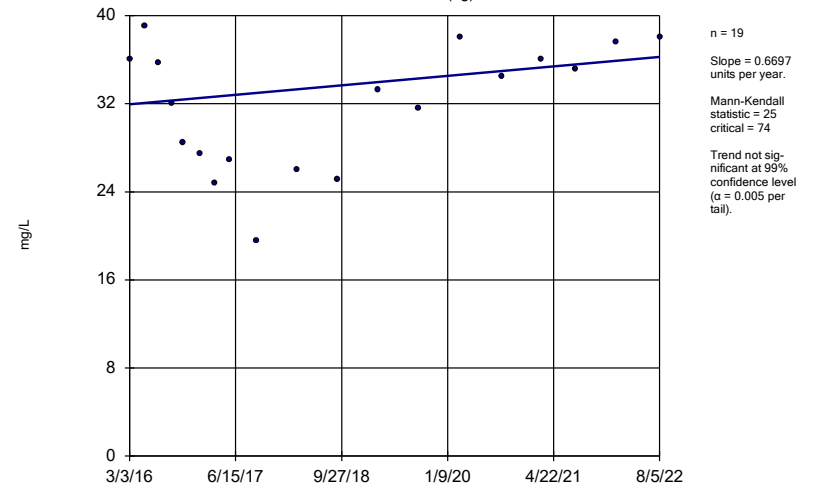
GWA-55R (bg)



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

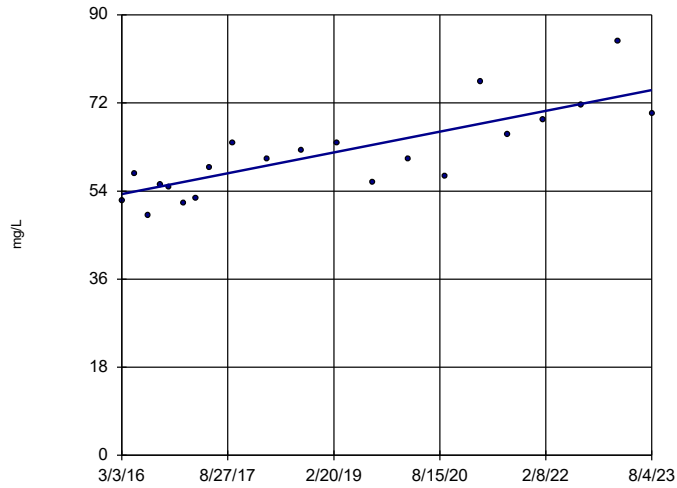
GWA-56 (bg)



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

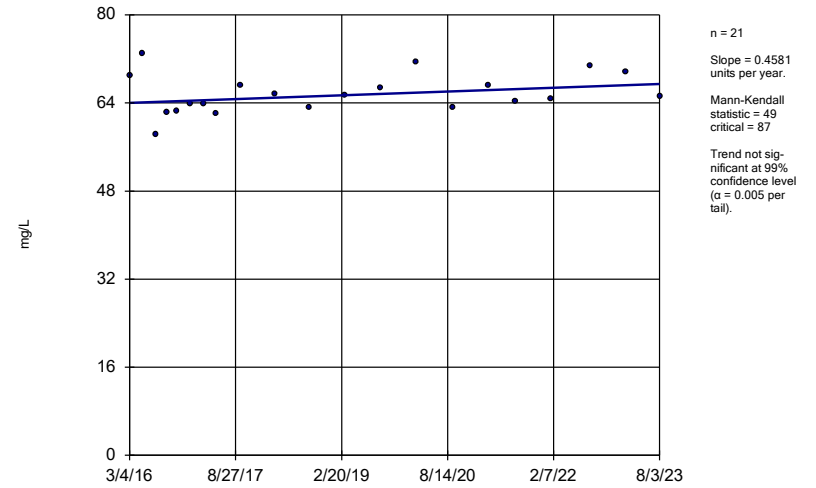
GWC-16R



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

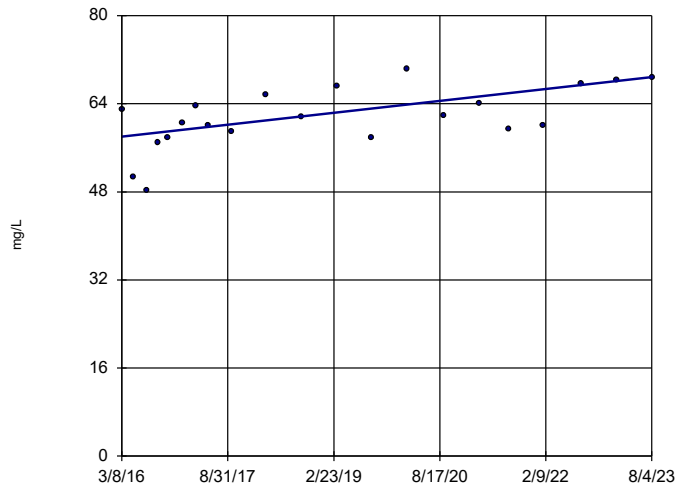
GWC-17R



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

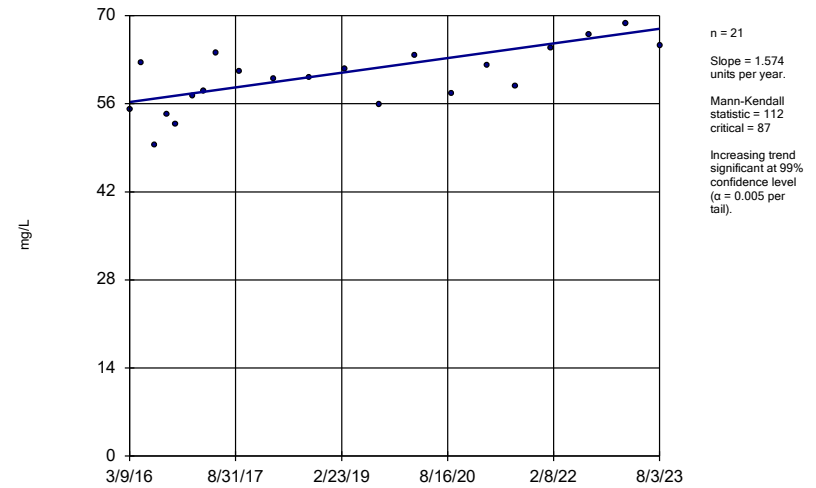
GWC-21R



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

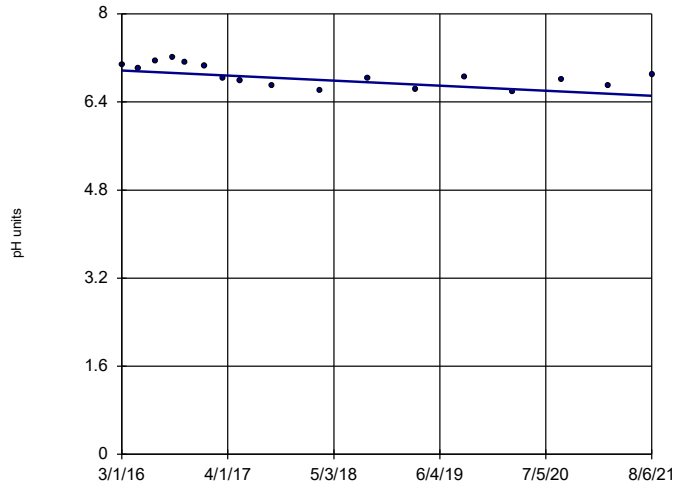
GWC-23R



Constituent: Calcium Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36 (bg)

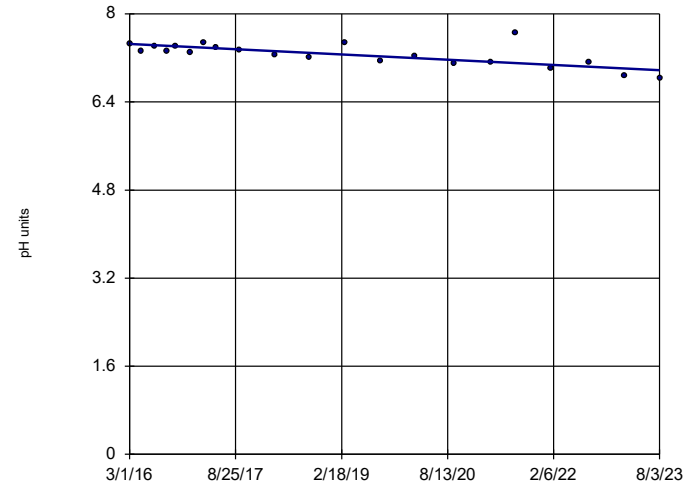


n = 17
 Slope = -0.08433
 units per year.
 Mann-Kendall
 statistic = -64
 critical = -63
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

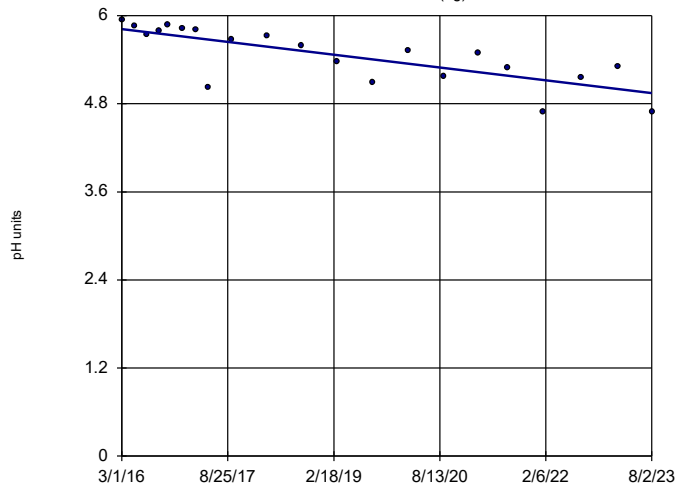


n = 21
 Slope = -0.06406
 units per year.
 Mann-Kendall
 statistic = -113
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

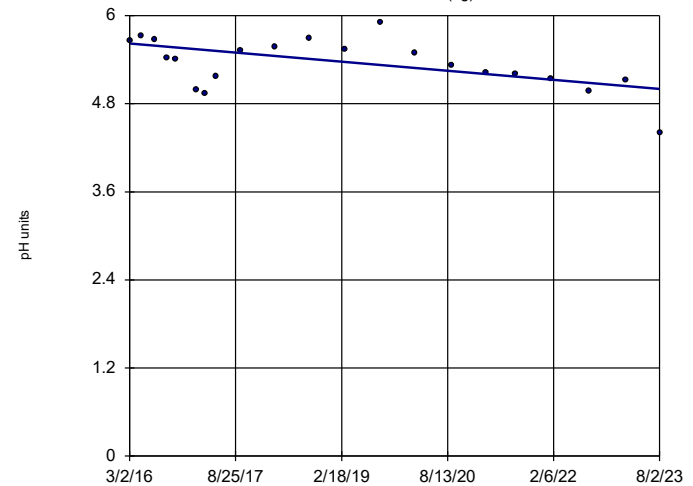


n = 21
 Slope = -0.1173
 units per year.
 Mann-Kendall
 statistic = -139
 critical = -87
 Decreasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

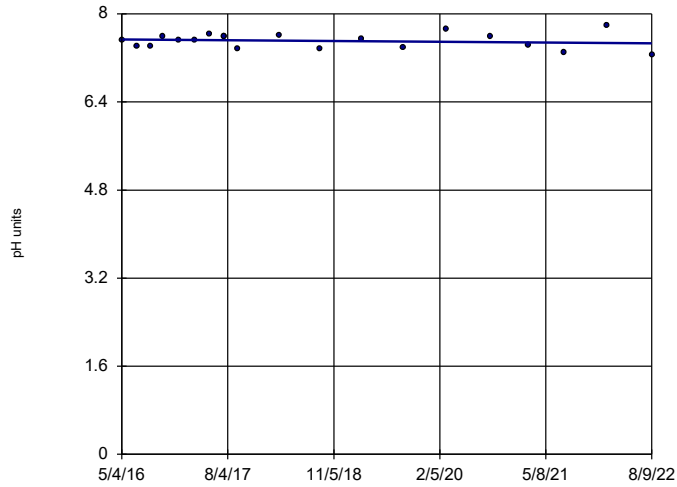


n = 21
 Slope = -0.08312
 units per year.
 Mann-Kendall
 statistic = -86
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

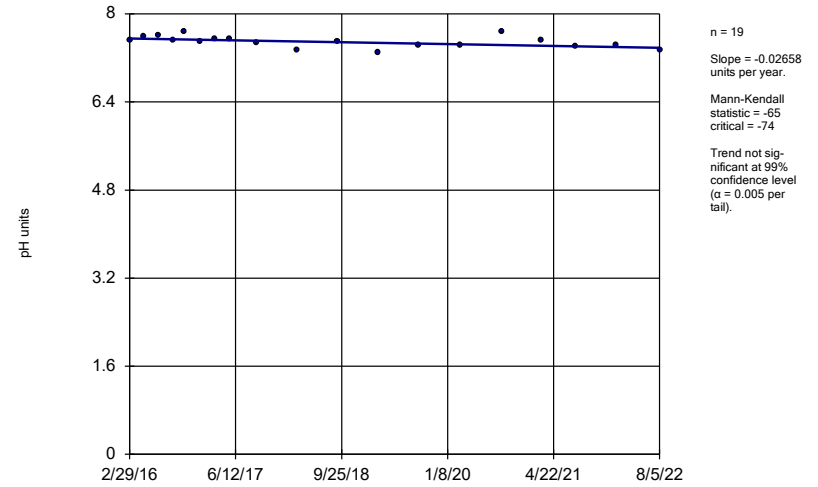
GWA-51RZ (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

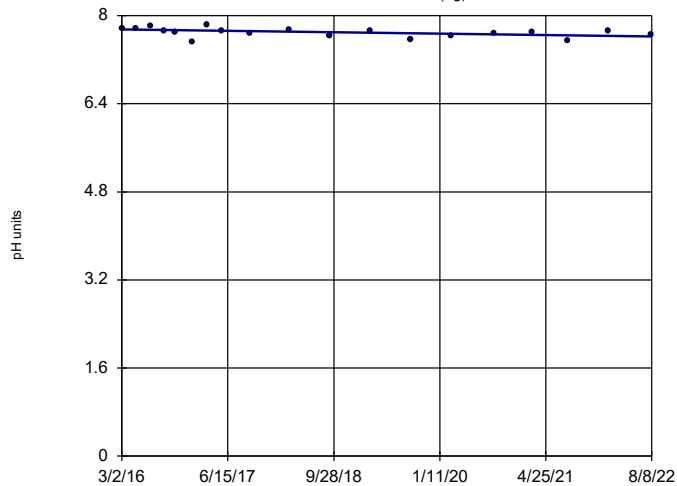
GWA-52 (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

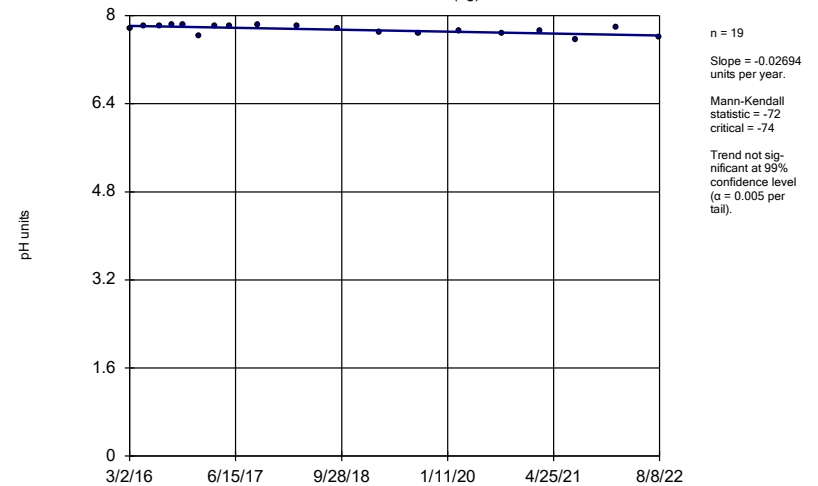
GWA-53 (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

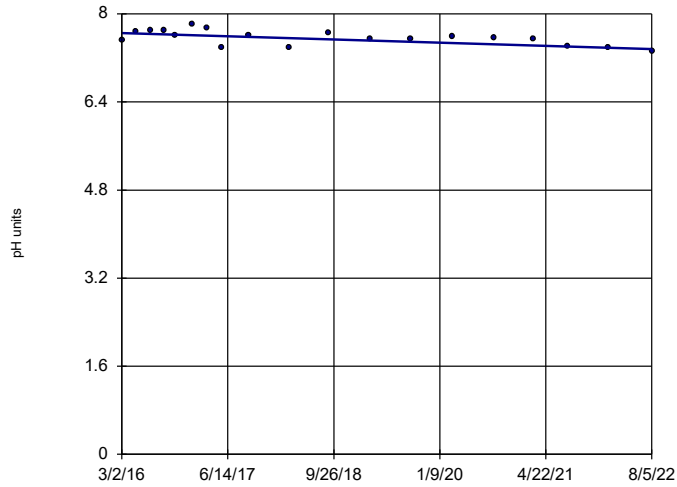
GWA-53R (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

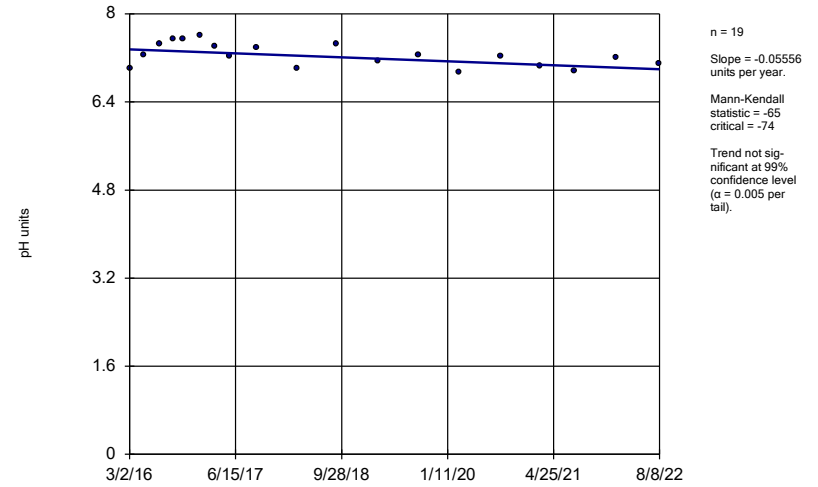
GWA-54 (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

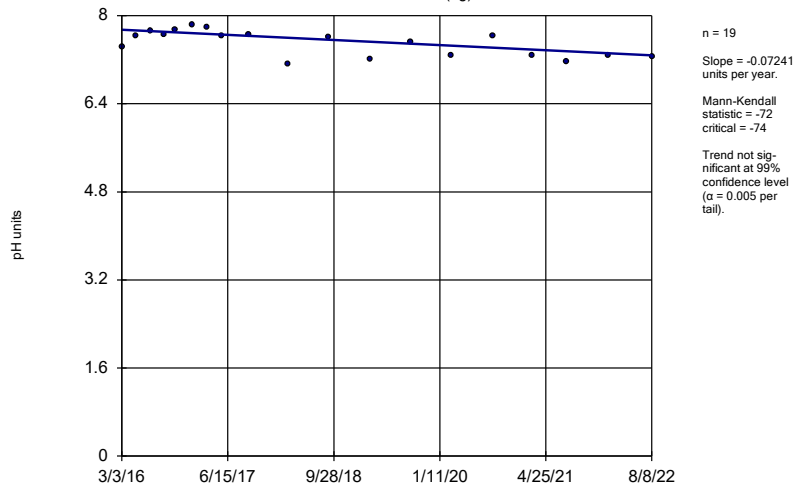
GWA-55 (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

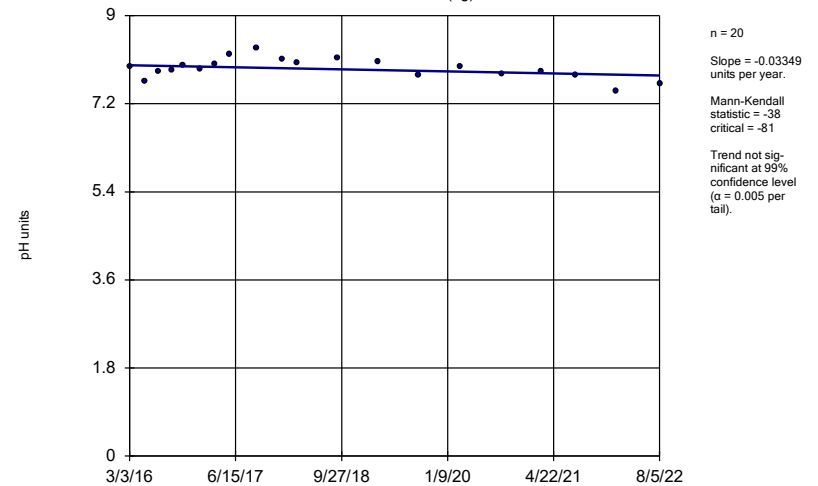
GWA-55R (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

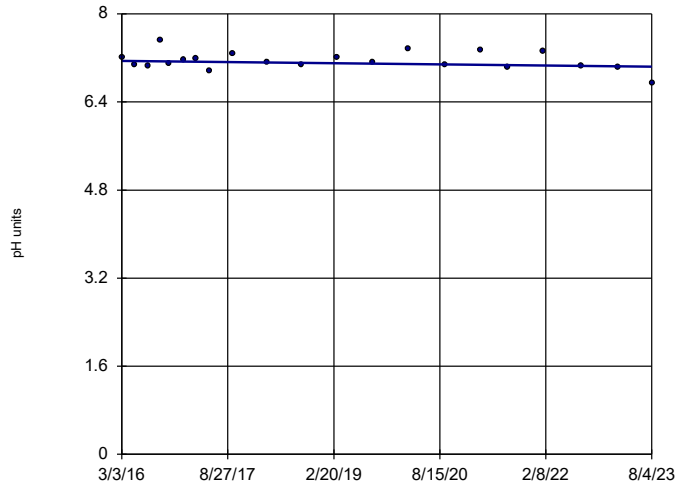
GWA-56 (bg)



Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-16R

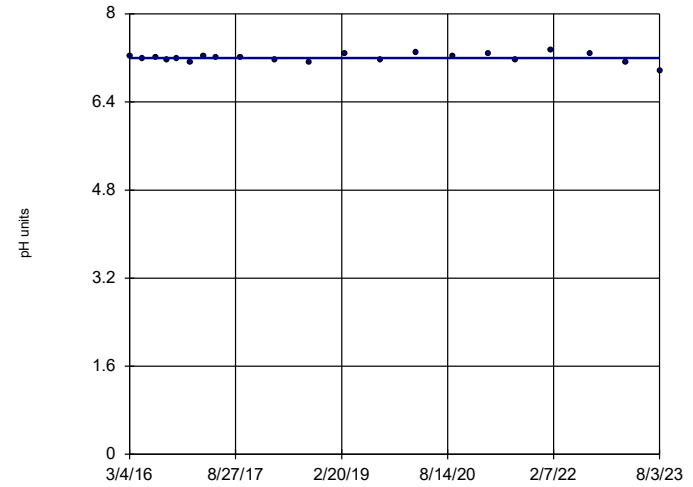


n = 21
 Slope = -0.0137
 units per year.
 Mann-Kendall
 statistic = -38
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-17R

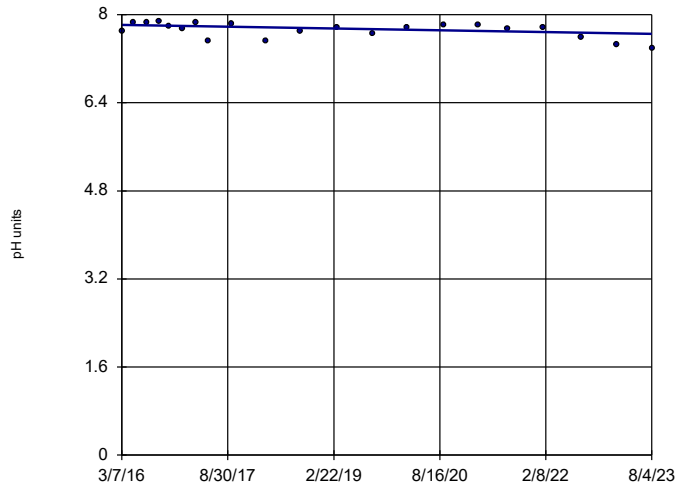


n = 21
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 3
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-18R

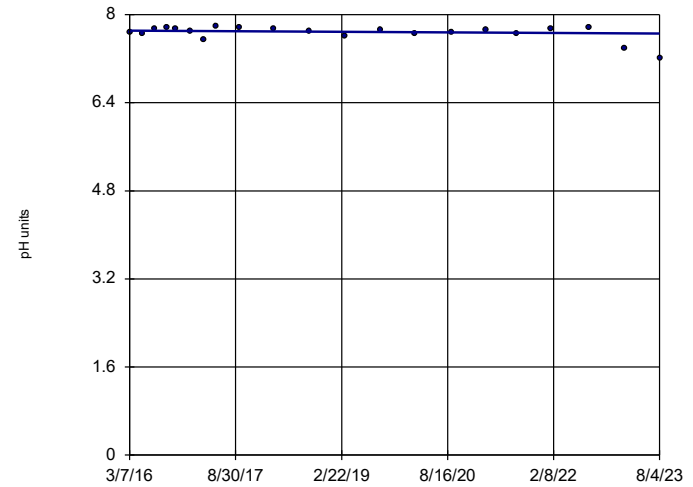


n = 21
 Slope = -0.02209
 units per year.
 Mann-Kendall
 statistic = -78
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-19R

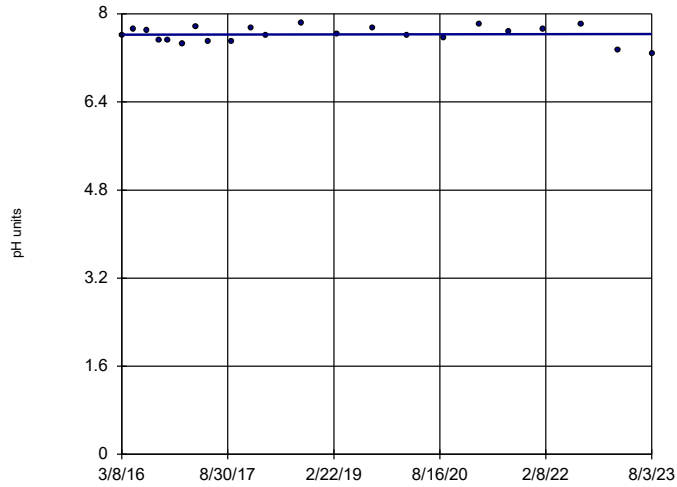


n = 21
 Slope = -0.006806
 units per year.
 Mann-Kendall
 statistic = -38
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-20R

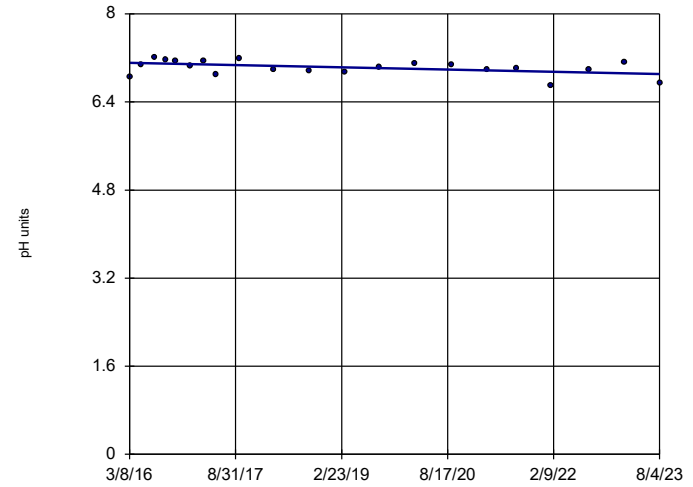


n = 22
 Slope = 0.001747 units per year.
 Mann-Kendall statistic = 4
 critical = 92
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-21R

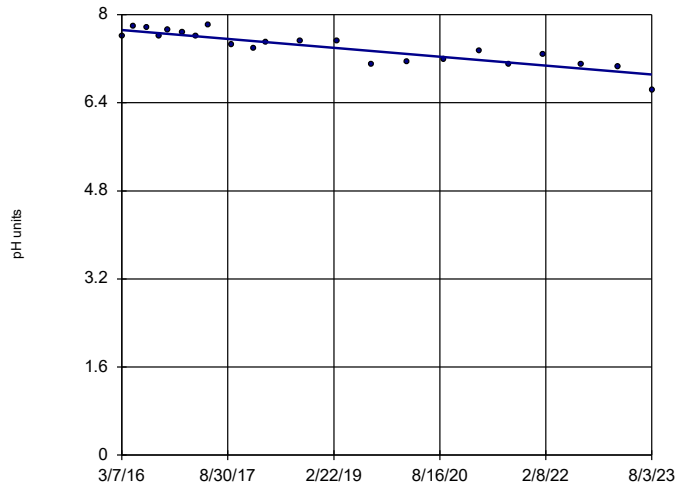


n = 21
 Slope = -0.02734 units per year.
 Mann-Kendall statistic = -58
 critical = -87
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-22R

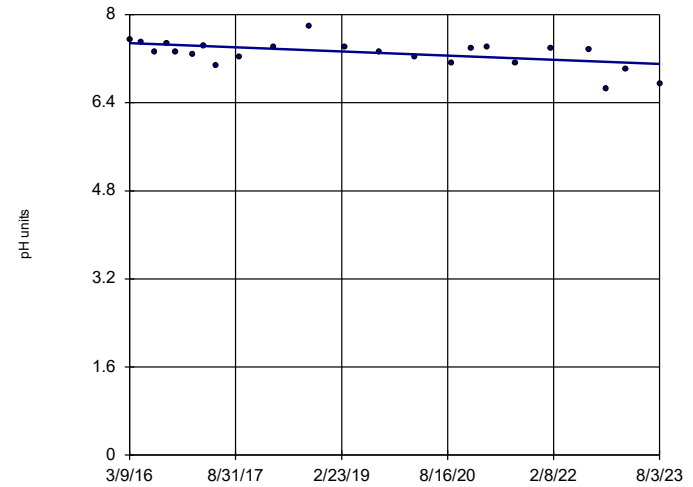


n = 22
 Slope = -0.1088 units per year.
 Mann-Kendall statistic = -163
 critical = -92
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-23R

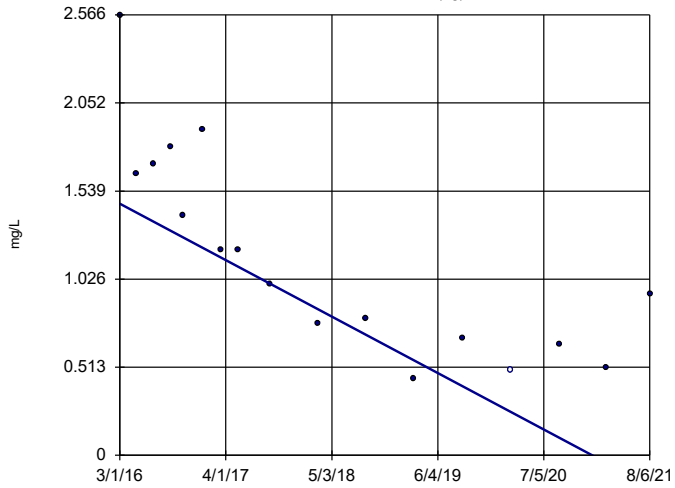


n = 23
 Slope = -0.05053 units per year.
 Mann-Kendall statistic = -108
 critical = -98
 Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: pH Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

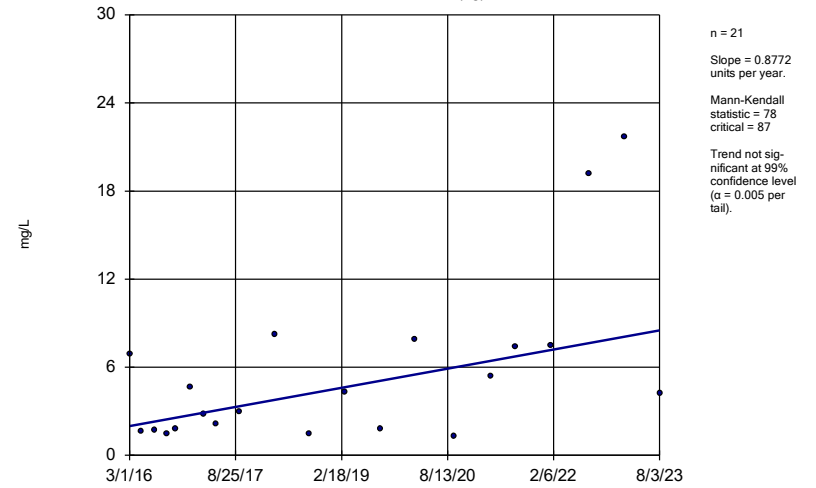
GWA-36 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

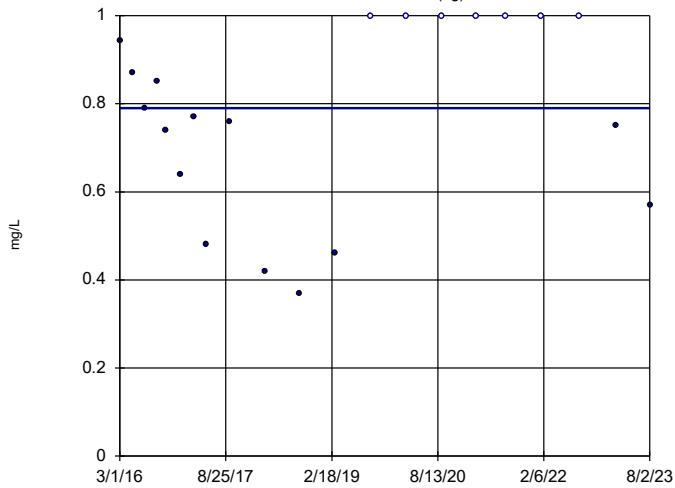
GWA-36RA (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

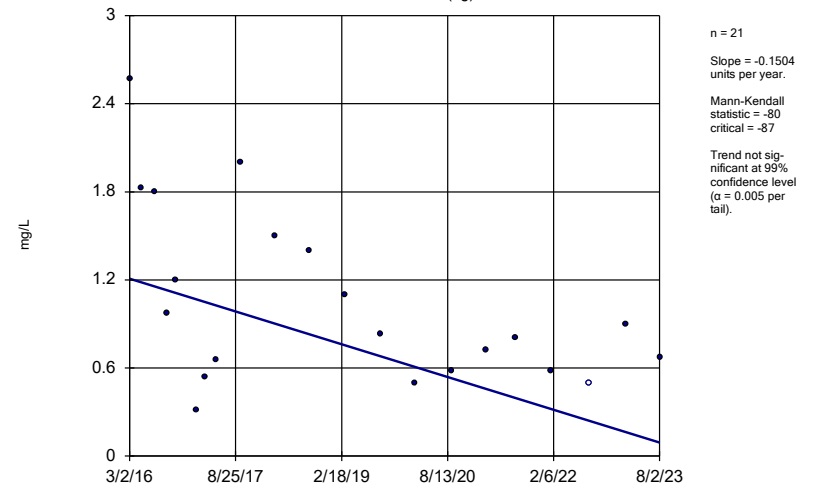
GWA-37 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

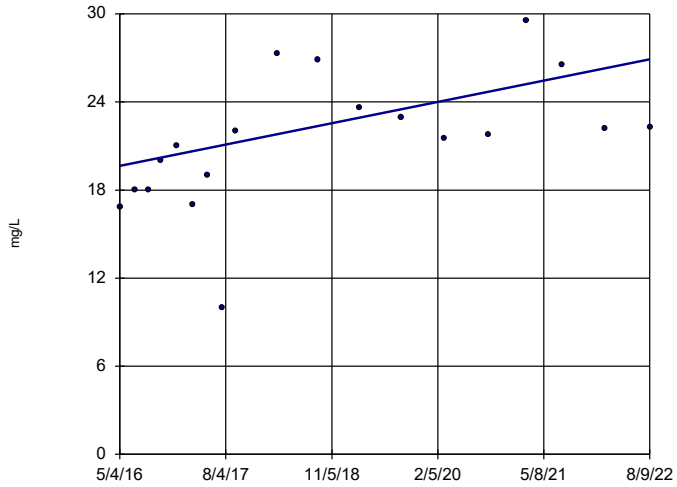
GWA-38 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

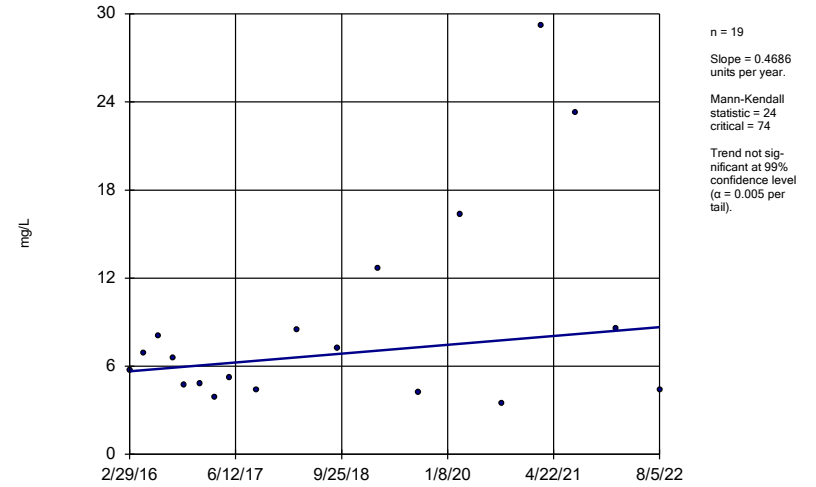
GWA-51RZ (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

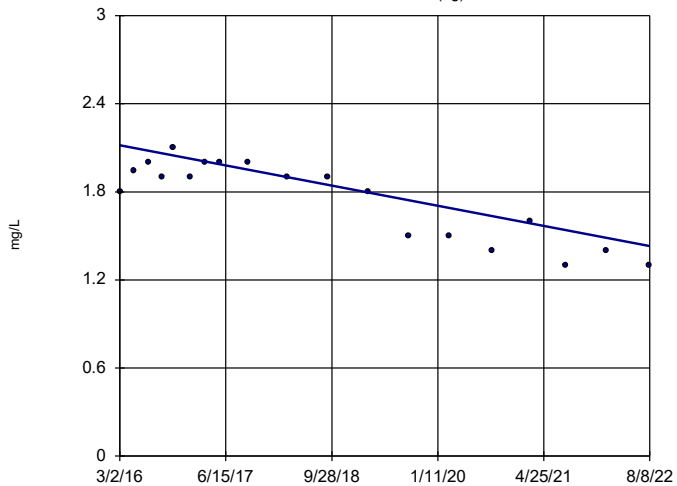
GWA-52 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

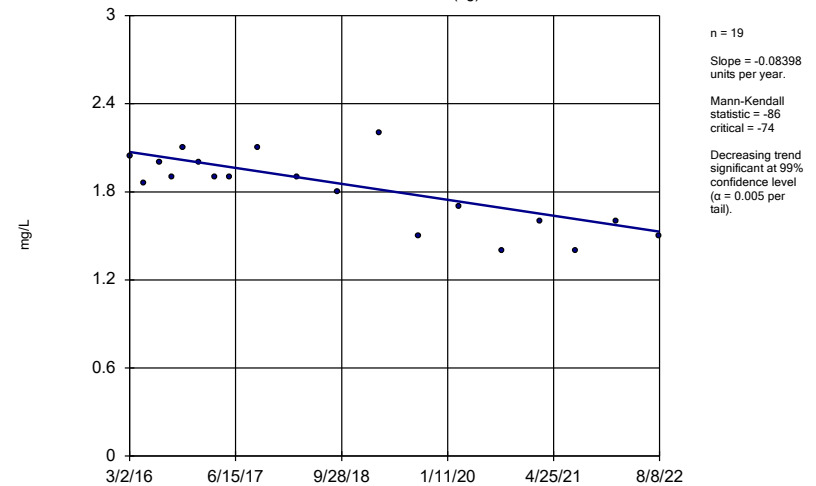
GWA-53 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

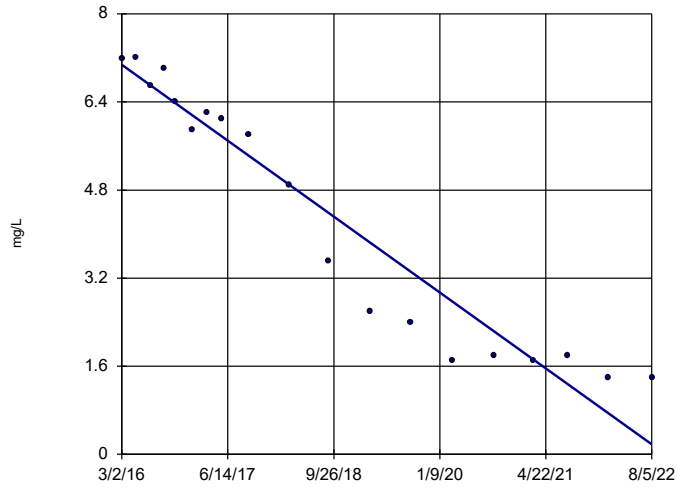
GWA-53R (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

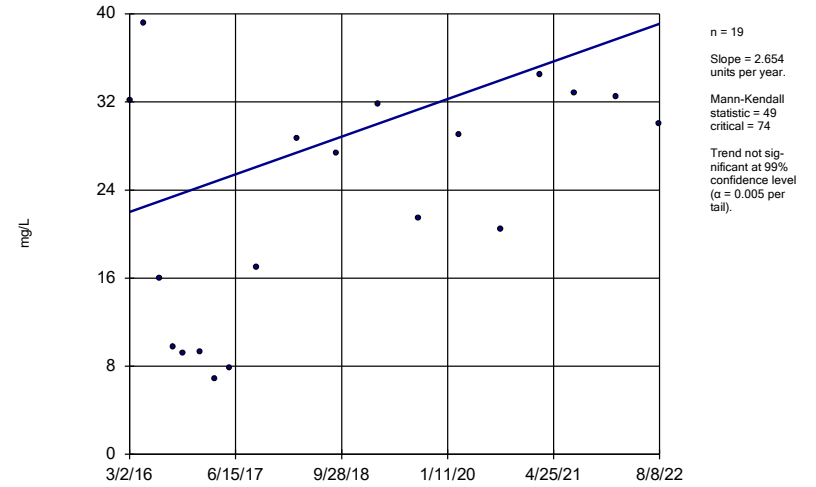
GWA-54 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

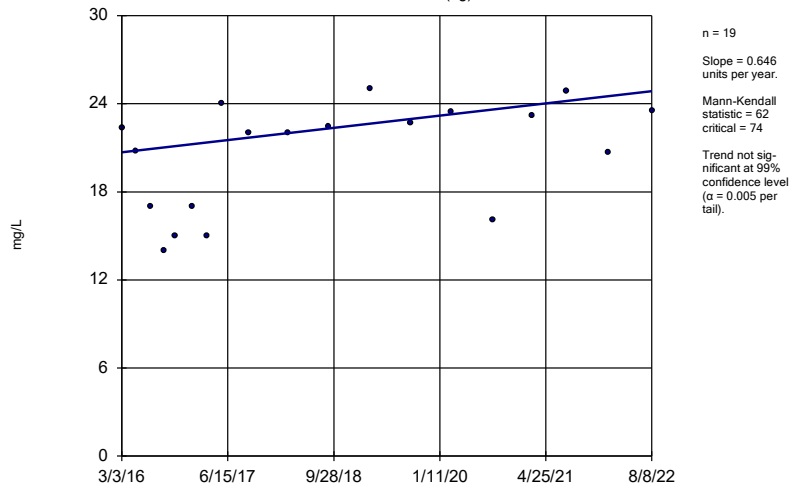
GWA-55 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

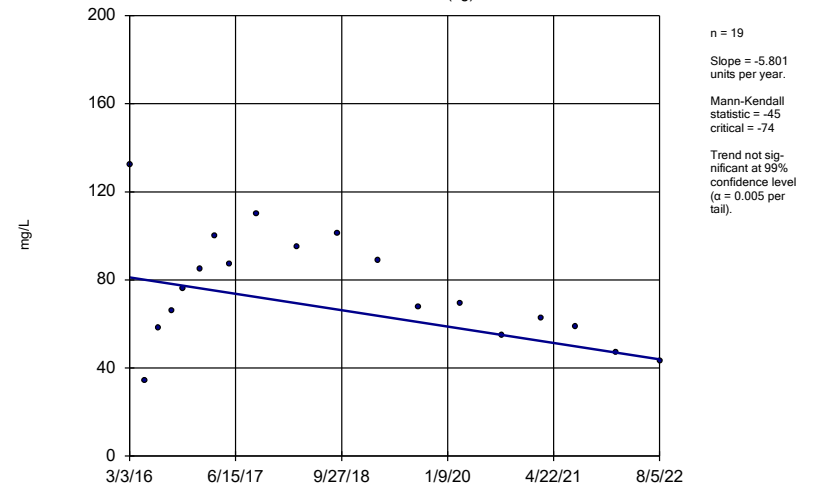
GWA-55R (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

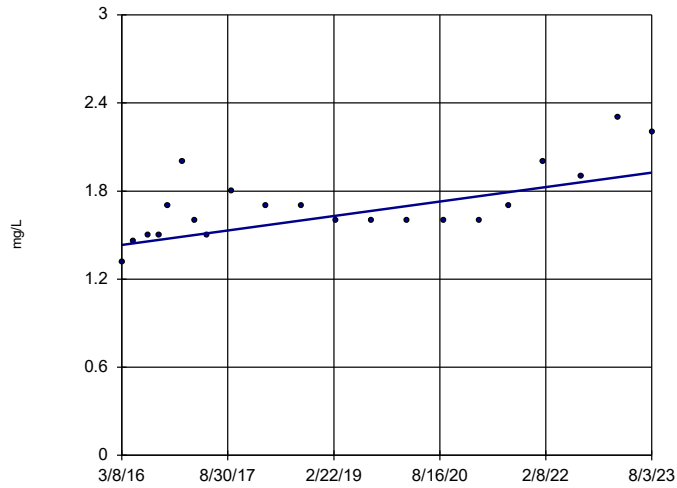
GWA-56 (bg)



Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-25R

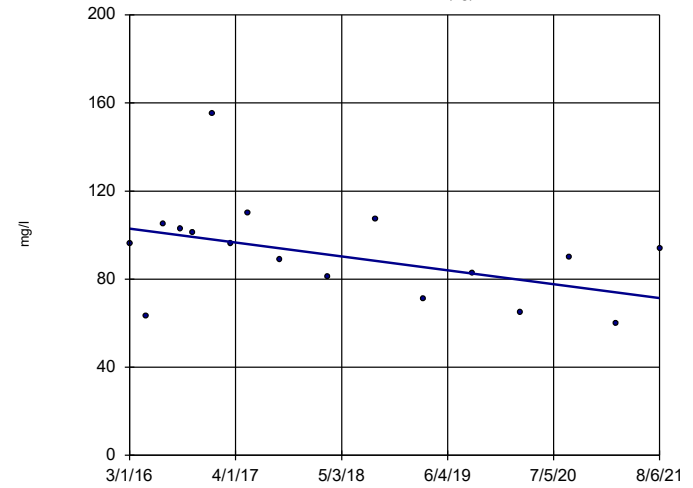


n = 21
 Slope = 0.06653
 units per year.
 Mann-Kendall
 statistic = 105
 critical = 87
 Increasing trend
 significant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Sulfate Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36 (bg)

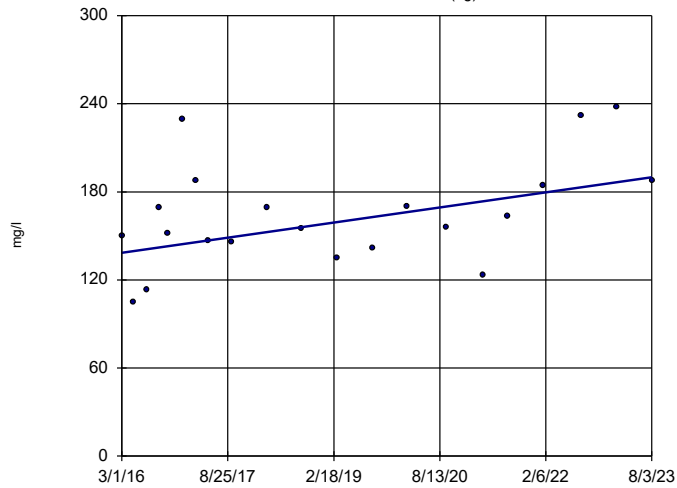


n = 17
 Slope = -5.809
 units per year.
 Mann-Kendall
 statistic = -41
 critical = -63
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-36RA (bg)

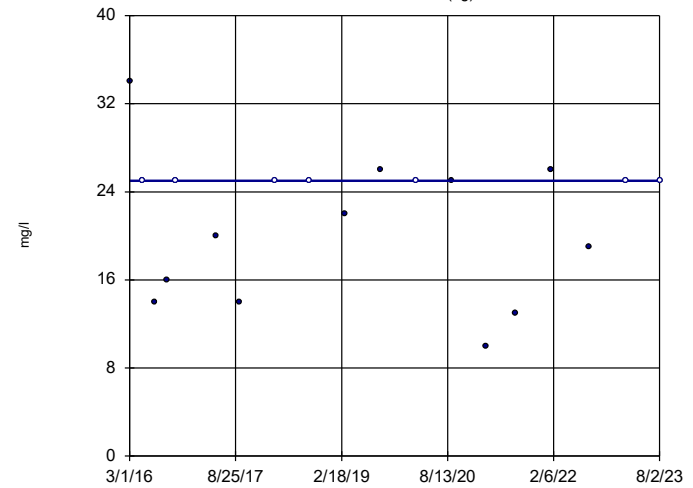


n = 21
 Slope = 6.929
 units per year.
 Mann-Kendall
 statistic = 70
 critical = 87
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-37 (bg)

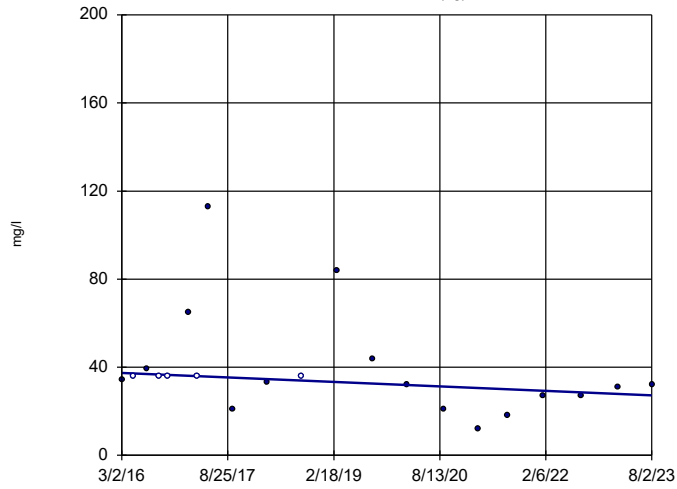


n = 19
 Slope = 0
 units per year.
 Mann-Kendall
 statistic = 1
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 ($\alpha = 0.005$ per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-38 (bg)

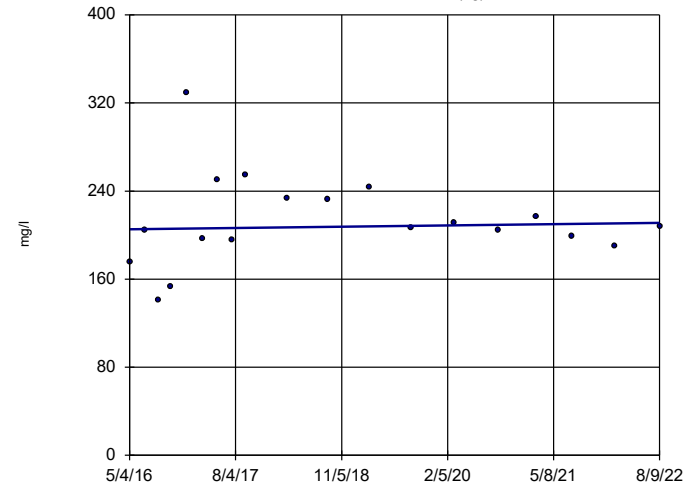


n = 21
 Slope = -1.374
 units per year.
 Mann-Kendall
 statistic = -69
 critical = -87
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-51RZ (bg)

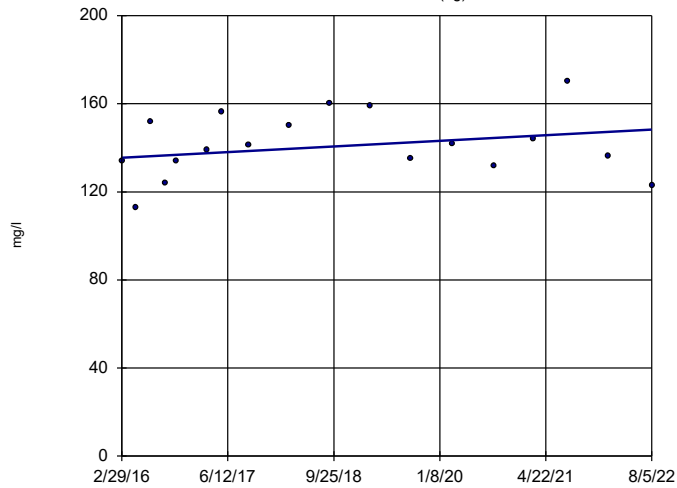


n = 19
 Slope = 0.9489
 units per year.
 Mann-Kendall
 statistic = 9
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:11 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-52 (bg)

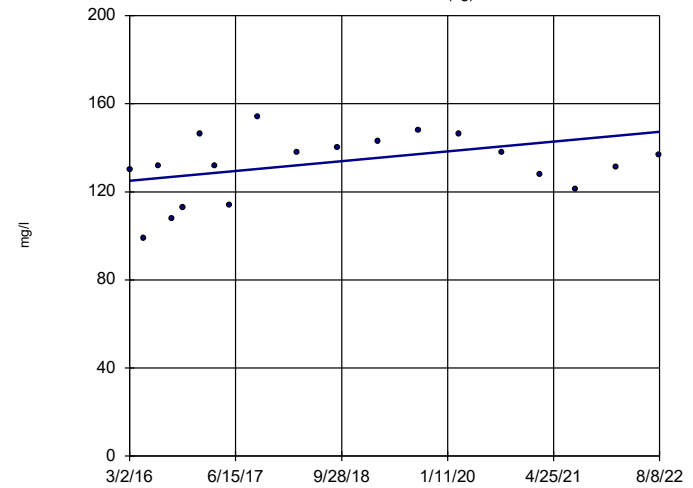


n = 18
 Slope = 1.996
 units per year.
 Mann-Kendall
 statistic = 24
 critical = 68
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-53 (bg)

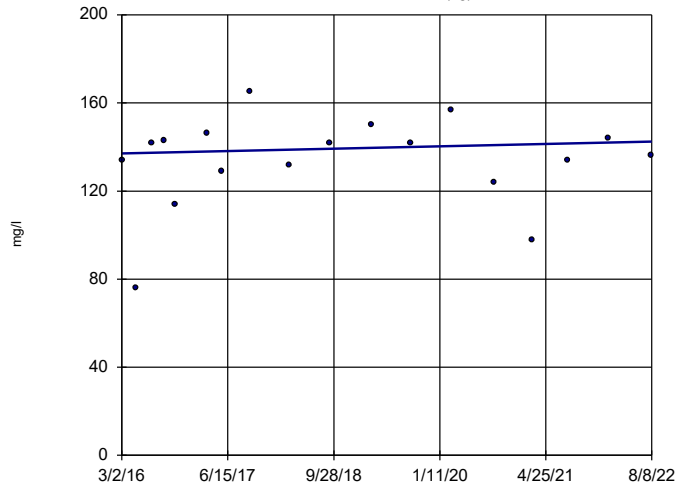


n = 19
 Slope = 3.456
 units per year.
 Mann-Kendall
 statistic = 36
 critical = 74
 Trend not sig-
 nificant at 99%
 confidence level
 (α = 0.005 per
 tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

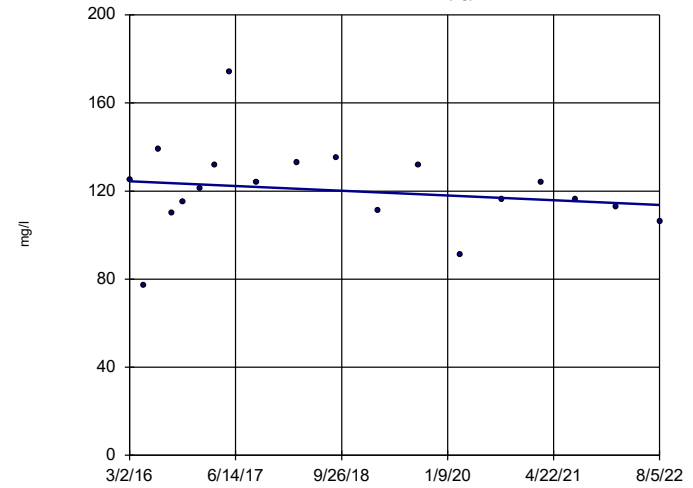
GWA-53R (bg)



n = 18
 Slope = 0.8352 units per year.
 Mann-Kendall statistic = 15
 critical = 68
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Sen's Slope Estimator

GWA-54 (bg)



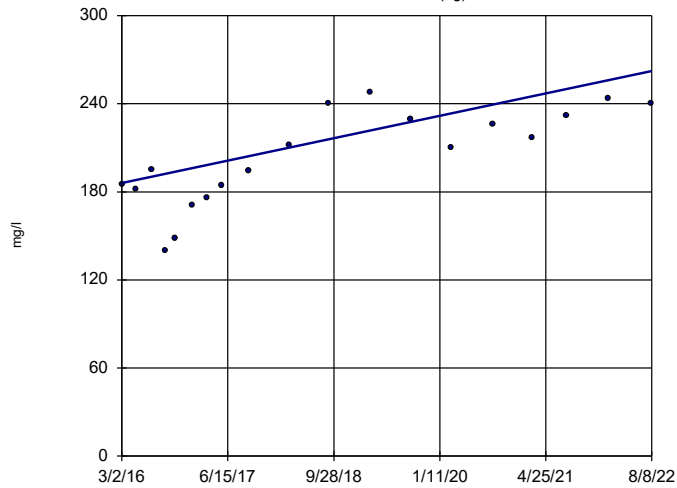
n = 19
 Slope = -1.665 units per year.
 Mann-Kendall statistic = -24
 critical = -74
 Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

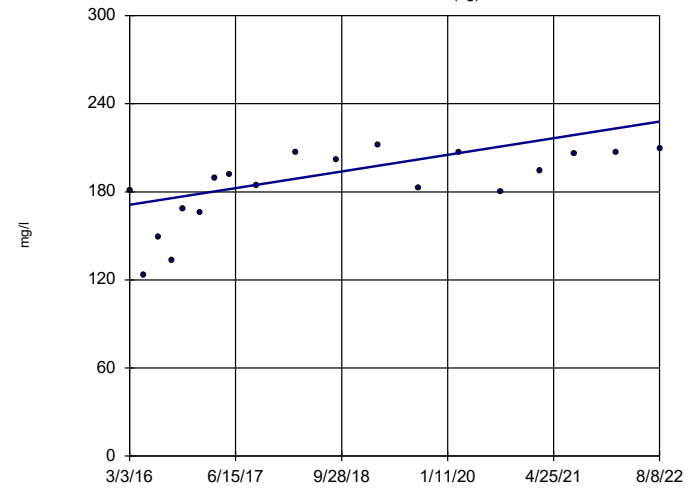
GWA-55 (bg)



n = 19
 Slope = 11.85 units per year.
 Mann-Kendall statistic = 102
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Sen's Slope Estimator

GWA-55R (bg)



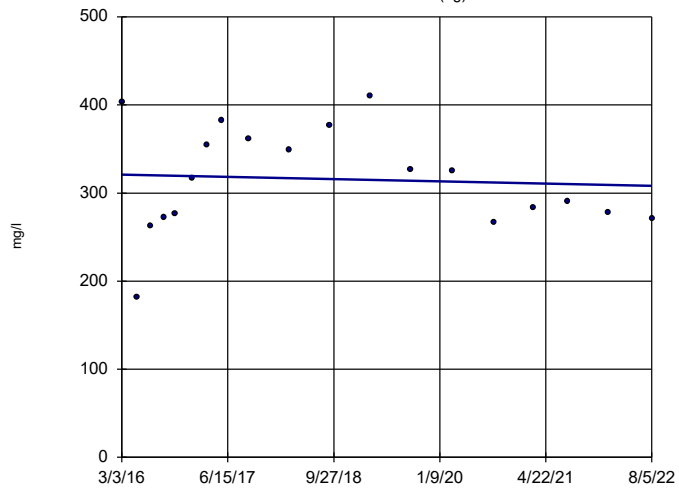
n = 19
 Slope = 8.787 units per year.
 Mann-Kendall statistic = 98
 critical = 74
 Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
 Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWA-56 (bg)

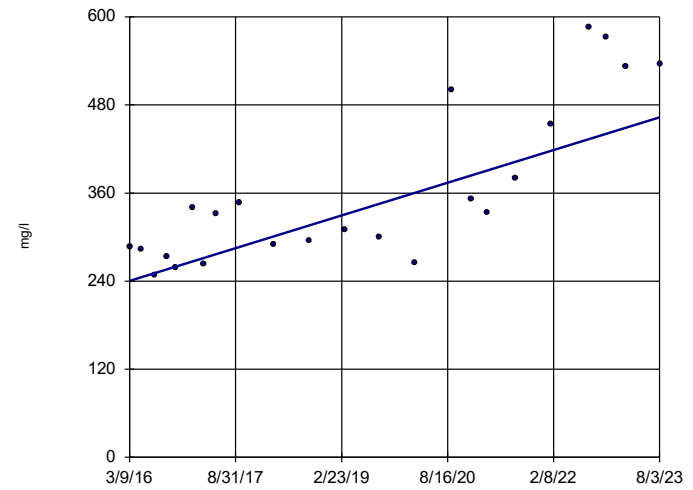


n = 19
Slope = -2.005
units per year.
Mann-Kendall
statistic = -7
critical = -74
Trend not sig-
nificant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

Sen's Slope Estimator

GWC-23R



n = 23
Slope = 30.08
units per year.
Mann-Kendall
statistic = 157
critical = 98
Increasing trend
significant at 99%
confidence level
($\alpha = 0.005$ per
tail).

Constituent: Total Dissolved Solids Analysis Run 9/15/2023 9:12 AM View: Appendix III - Trend Tests
Plant Bowen Client: Southern Company Data: Bowen 3&4 CCR

**APPENDIX G
ALTERNATE SOURCE
DEMONSTRATIONS**



**ALTERNATE SOURCE DEMONSTRATION
FOR BERYLLIUM, CHLORIDE, AND
MERCURY, JANUARY- FEBRUARY 2022
SEMI-ANNUAL EVENT**

Plant Bowen

Cells 1 & 2

Cells 3 & 4

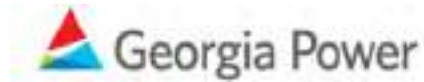
Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (CCR)

November 29, 2022, Revision 1, May 1, 2023

Prepared for:



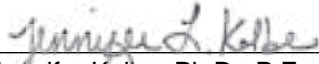
Prepared by:

Stantec Consulting Services Inc.
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009-7640

**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

CERTIFICATION STATEMENT

This Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10) by a qualified groundwater scientist with Stantec Consulting Services Inc. References to the appropriate Georgia Solid Waste Management 391-3-4 Rules are incorporated throughout this document.



Jennifer Kolbe, Ph.D., P.E.
Registered Professional Engineer
Professional Engineer No. PE034643



May 1, 2023
Date

PROFESSIONAL GROUNDWATER SCIENTIST CERTIFICATION

I certify that I am a qualified groundwater scientist as demonstrated by Georgia state registered professional geologist certification. I have sufficient training and experience in groundwater hydrology and related fields to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10)


Brian Steele, P.G.
Registered Professional Geologist
Georgia Registration No. 002171



May 1, 2023
Date



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Acronyms / Abbreviations

ASD	Alternate Source Demonstration
CCR	Coal Combustion Residual
CCR Rule	Title 40 Code of Federal Regulations 257 Subpart D
CFR	Code of Federal Regulations
GA EPD	Georgia Environmental Protection Division
GSC	Groundwater Stats Consulting, LLC
mg/L	milligrams per liter
RL	Reporting Limit
SSI	Statistically Significant Increase
UPL	Upper Prediction Limit
USEPA	United States Environmental Protection Agency



1 Introduction

1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant increases (SSI) of mercury and chloride detected in compliance well GWC-48 and beryllium detected in compliance well GWC-5 located at Georgia Power Company's (Georgia Power) Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. These SSIs were identified based on statistical evaluation of the groundwater quality data set reported in the 2022 Semi-Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10, dated August 31, 2022 (2022 Semi-Annual Report; Stantec, 2022). During the 2022 semi-annual reporting period, one groundwater sampling event was conducted in January-February 2022 and the resampling event was conducted in April 2022.

This ASD has been revised to include additional evidence and sampling results supporting the conclusions that the SSIs identified in GWC-48 and GWC-5 during the 2022 semi-annual reporting period are not related to releases from the landfill.

This ASD has been prepared pursuant to Title 40 Code of Federal Regulations (CFR) 257.94(e)(2) as adopted in Rule 391-3-4.10(6) of the Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10), which states that "the owner or operator may demonstrate that a source other than the unit caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality." This language is consistent with the requirements of the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule (CCR Rule) [Title 40 CFR 257 Subpart D] stipulated in 40 CFR 257.94(e)(2), which has been incorporated by reference into the Georgia Environmental Protection Division (GA EPD) Rules for Solid Waste Management Rule 391-3-4-.10(23)(c) of the Georgia Administrative Code. The Georgia Power Plant Bowen solid waste disposal facility (Site) is operated in accordance with GA EPD Solid Waste Permit No. 008-018D (CCR).

1.2 Site Description and Background

The Site is located in south Bartow County, Georgia, off State Highway 113, approximately seven miles west-southwest of Cartersville and 20 miles southeast of Rome (Figure 1). The Site is approximately 300 acres in size and located on previously undeveloped land contiguous with the plant property. The Site receives coal combustion by-products from coal-burning and flue gas desulfurization processes. The landfill cells were constructed in accordance with Solid Waste Permit No. 008-018D (LI) and approved under CCR permit No. 008-018D (CCR).

Groundwater monitoring is conducted in accordance with the permit requirements specified in the Design and Operation Plan and in accordance with the USEPA CCR Rule, which was adopted by GA EPD in November 2016 and the GA EPD Rules for Solid Waste Management 391-3-4-.10. This includes semi-annual groundwater sampling and continuous groundwater level measurements at the Site. The Site currently remains in detection monitoring.



1.3 CCR Regulatory Framework for Alternate Source Demonstrations

USEPA published the CCR Rule on April 17, 2015. This rule requires groundwater monitoring of active CCR landfills. The CCR Rule establishes multiple phases of groundwater monitoring, including baseline sampling, detection monitoring, and assessment monitoring.

1.3.1 ESTABLISHING GROUNDWATER BASELINE CONDITIONS

To comply with the CCR Rule, a groundwater monitoring system was installed around each regulated CCR unit consisting of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and flowing downgradient from the waste boundary of the unit. Based on groundwater flow direction, both upgradient and downgradient wells were installed, and the number of wells varied depending on the size of the CCR unit and the complexity of groundwater flow. Initial groundwater sampling began in 2007 in accordance with the Design and Operation (D&O) Plan, prior to disposal activities, to establish the baseline conditions of groundwater in the vicinity of the CCR unit. The locations of the compliance wells included in the groundwater monitoring system are presented on Figure 2. Following the establishment of baseline conditions, the detection monitoring program commenced.

1.3.2 DETECTION MONITORING PROGRAM

Georgia Power currently monitors groundwater associated with the landfill under the detection groundwater monitoring program in accordance with 40 CFR § 257.94 and Solid Waste Management Rule 391-3-4-.14(22). The semi-annual detection monitoring event occurred in January-February 2022. Groundwater samples were collected from monitoring wells in the groundwater monitoring system (Figure 2) and analyzed for:

- Appendix III constituents according to § 257.94(a) which include boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS).
- A state-modified Appendix I list of detection constituents according to GA EPD Rules for Solid Waste Management 391-3-4-.14 and the approved D&O plan. The state-modified analyte list (D&O Appendix I Metals) includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.

The detection monitoring groundwater results are evaluated using a defined statistical method to determine whether there were SSIs above the natural, or background, concentrations for each constituent in downgradient wells, pursuant to 40 CFR § 257.93(f). Depending on the results acquired from the detection monitoring program, there are several different subsequent actions that must be taken:

- If no SSIs are found, then the CCR facility continues with its detection monitoring program during the active life of the CCR unit and the post-closure period (40 CFR 257.9(b)).



Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
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Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
1 Introduction

- If SSIs are discovered, then the data is further evaluated through an ASD (40 CFR 257.94(e)(2)) to evaluate whether there is an alternate source, an error in the sampling, analysis, statistical evaluation, or natural variability in groundwater quality.
- If an ASD cannot be made, then the facility shifts into an assessment monitoring program within 90 days (40 CFR 257.95(a) and (b)).



2 Alternate Source Demonstration

An ASD is used to further evaluate SSIs identified at wells GWC-48 and GWC-5 based on statistical analyses of the January-February 2022 semi-annual groundwater monitoring data and resampling data in April 2022. Based on review of available Site data, the SSIs reported for mercury and chloride at well GWC-48 and beryllium at well GWC-5 are not associated with a release from the Site and are caused by uncertainty associated with assumptions used for the statistical analysis of the January-February 2022 data (Table 1).

The statistical analysis of the January-February 2022 data was performed in accordance with the USEPA document of *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009). A review of the statistical analysis was performed by Stantec Consulting Services Inc. (Stantec) and Groundwater Stats Consulting, LLC (GSC). GSC provided revised reports of the April 2022 resampling data based on modified analysis methods described in the subsequent sections to address the SSIs previously reported in the 2022 Semi-Annual Report (Stantec, 2022). The revised GSC reports are included in Appendix A.

Beryllium and Mercury ASD

Beryllium was detected at GWC-5 at an initial concentration of 0.00075 milligrams per liter (mg/L) in January 2022 and mercury was detected at GWC-48 at an initial concentration of 0.00039 mg/L in January 2022. The statistical exceedance of these constituents is likely the result of the statistical analysis methods used, in addition to natural variation of groundwater quality. Information supporting this conclusion includes:

Statistical Analysis Revision (Use of Historical vs Recent Reporting Limits)

As part of the original statistical analysis of the January-February 2022 data, GSC calculated upper prediction limits (UPLs) using historical background data. Prior to calculating UPLs, the historical reporting limits (RLs) for each constituent were replaced with the most recent RLs. The RL for an analyte is always above the method detection limit and reflects concentrations where the laboratory controls precision and bias because the RL is used as a censoring level for quantifying result data. The laboratory RLs decreased for beryllium (0.003 mg/L to 0.0005 mg/L) and mercury (0.0005 mg/L to 0.0002 mg/L) beginning in 2020 (Table 2). RLs are reviewed and updated, when necessary, by the laboratory. The variability in instrumentation, method procedural steps, native background, historical requirements, and general laboratory processes can cause RLs to be different from year to year and lab to lab. In the specific case of beryllium and mercury, the procedures used to determine the RL in 2020 resulted in a value of beryllium (0.0005 mg/L) and mercury (0.0002 mg/L). The RL is comparable to that at other laboratories using a similar criterion.



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
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Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
2 Alternate Source Demonstration**

**TABLE 2
REPORTING LIMIT TRENDS FOR BERYLLIUM AND MERCURY
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
Bartow County, Georgia**

Constituent	September 2020 - February 2022 Reporting Limits	April 2016 - March 2020 Reporting Limits
	mg/L	mg/L
Beryllium	0.000046 - 0.0005	0.003
Mercury	0.000078 - 0.0002	0.0005

The practice of replacing historic RLs with the most recent was employed as a conservative statistical approach intended to capture potential improvements in laboratory techniques or methods which could result in lower RLs. However, this practice may lead to arbitrarily low UPLs in cases where 1) non-parametric methods are used when the constituent is infrequently detected (>50% non-detect reported as less than the RL) and 2) the most recent RL is lower than historical limits.

Due to the frequency of non-detect results for beryllium (92%) at GWC-5 and for mercury (97%) at GWC-48 non-parametric methods were used to estimate the UPL. Consistent with the Unified Guidance (US EPA, 2009), a non-parametric UPL is represented by the highest detected concentration or highest RL in the historical background data set.

The statistical analysis of the January-February 2022 data included in the 2022 Semi-Annual Report, used the most recent and lower RLs as the UPL (beryllium 0.0005 mg/L and mercury 0.0002 mg/L). The use of the lower RLs were not representative of the majority of the RLs in the historical data set collected between 2016-2020 (beryllium at 0.003 mg/L and mercury at 0.0005 mg/L), which resulted in two potential SSIs in the 2022 Semi-Annual Report.

As part of this ASD, the pre-2020 RLs for beryllium and mercury were selected as UPLs, which were previously established and are considered equally protective and representative of the historic data set. When using these previously established UPLs for beryllium and mercury, no exceedances were identified for the 2022 data set; therefore, no further action is necessary. This revision is in the revised GSC report included as Appendix A.

The pre-2020 and post-2020 RLs for both beryllium and mercury are lower than their respective maximum contaminant levels (0.004 mg/L for beryllium and 0.002 mg/L for mercury).

As detection monitoring continues, substituting the most recent RL for historical results will not be done for constituents that are infrequently detected (>50% non-detect concentrations in data set) because they can result in UPLs that are not meaningful or representative of site conditions. In addition, the use of historical data will be evaluated to ensure that it is representative of current site-conditions. Once a sufficient number of sample results (8 – 12 samples) that are analyzed and reported with the lower RLs are collected, the use of historical data will be re-evaluated to ensure that data are representative of current site-conditions.



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
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Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
2 Alternate Source Demonstration**

Naturally Occurring Concentrations and Variation:

Geochemical characterization of groundwater quality data demonstrates little difference between upgradient and GWC-48 and GWC-5 water quality and confirms the absence of a CCR signature in groundwater. A suite of cations and anions were sampled in January-February 2022 from the entire Site groundwater monitoring network and included in the 2022 Semi-Annual Report. Laboratory Analytical Reports are provided in Appendix B. Constituents released from coal ash will shift the relative and absolute abundances of cations and anions away from background conditions. These shifts become apparent when plotted on Piper plots. A CCR impact would characteristically increase the ionic strength and shift ratios away from background, and typically plot at the uppermost portion of the diamond. Upgradient wells and GWC-5 and GWC-48 are depicted on Piper and Stiff plots included as Figures 3 through 6. Upgradient and downgradient groundwater data are generally comingled on the Piper plots, indicating that an outside influence such as a CCR release has not altered groundwater chemistry causing downgradient water quality to be different from upgradient. The wells do not plot in the uppermost portion of the diamond, further indicating that a CCR release has not occurred.

Wells GWC-5, GWC-48, GWA-50, GWA-50R, and GWA-43 have low concentrations and a mixed composition characterized by calcium, magnesium, and bicarbonate type water. The geochemical characterization of GWA-50, GWA-50R, and GWA-43 are generally similar to GWC-48 and GWC-5 water. The relatively low TDS concentrations of these wells (15 to 31 mg/L) suggests that there is minimal variability to the source of groundwater at these locations. Based on a review of Figures 3 and 4, GWC-48 and GWC-5 have a pattern similar to background ionic composition. Therefore, GWC-48 and GWC-5 indicate a natural groundwater composition (chemistry), reflecting background conditions.

Lack of Indicator Parameters Boron and Sulfate:

As stated above, the relatively low TDS concentrations of these wells suggests that there is minimal variability to the source of groundwater at GWC-48 and GWC-5. Typical CCR Appendix III indicator parameters boron and sulfate are historically not detected or detected in very low concentrations in both wells.

- Boron has not been detected above the laboratory RL (0.04 mg/L) in GWC-48 or GWC-5 from sampling data between 2016 to 2022.
- Sulfate has been detected in low concentrations ranging from 0.76 mg/L in March 2018 to 20.2 mg/L in May 2021 at GWC-48. Sulfate was recently detected at GWC-48 at a concentration of 1.2 mg/L from the January 2022 sampling event.

Sulfate has been detected in low concentrations ranging from 1.0 mg/L in February 2022 to 1.87 mg/L in March 2016 at GWC-5. Based on minimal Appendix III indicator parameter detections and geochemical comparison of groundwater quality, data indicate that a release from the Landfill has not occurred, and the beryllium concentrations detected at GWC-5 and mercury concentrations detected at GWC-48 are due to natural variability. When equally protective UPLs using historical RLs were evaluated, no exceedance was identified; therefore, no further action is necessary.



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
2 Alternate Source Demonstration**

Chloride ASD

Chloride was detected in well GWC-48 at an initial concentration of 4.8 mg/L in January 2022 (Table 1). The statistical exceedance of the chloride UPL in well GWC-48 is likely the result of the statistical analysis methods used, in addition to natural variation of groundwater quality. Information supporting this conclusion includes:

Statistical Analysis Revision (Use of Intrawell Method for Chloride in GWC-48 to Calculate UPL):

- Intrawell methods are more appropriate for chloride in GWC-48 than interwell methods as there is no evidence of historical chloride impacts in well GWC-48. This was demonstrated statistically by comparison of the lower confidence interval of the mean chloride concentration in GWC-48 to the upper tolerance limits for chloride established using pooled background data. GSC provided a revised report (Appendix A) in which intrawell method was used for chloride in GWC-48, resulting in a UPL of 5.485 mg/L. Chloride was detected in well GWC-48 at an initial concentration of 4.8 mg/L in January 2022, which does not exceed the intrawell UPL, 5.485 mg/L. Therefore, the January 2022 detection does not represent a potential SSI.

Statistical Analysis Revision (Use of Non-Parametric vs Parametric Method to Calculate UPL):

- The initial statistical analysis from the 2022 Semi-Annual Report (Stantec, 2022) reported an SSI for chloride in GWC-48 from the January 2022 result of 4.8 mg/L based on an interwell parametric UPL of 4.346 mg/L. Prior to calculating this UPL, goodness of fit testing was used to test for normality of the data set to determine whether parametric or non-parametric methods were appropriate. However, the goodness of fit test was conducted on data collected from both upgradient/background and downgradient wells. In practice goodness of fit testing should only evaluate data collected from upgradient/background wells, because UPLs are representative of upgradient/background conditions.

GSC provided a revised report (Appendix A) in which goodness of fit testing was conducted on only data from upgradient/background wells. This data set did not fit the normal distribution, so parametric methods were not appropriate. Parametric methods are only appropriate when historical upgradient/background data are normally distributed. Therefore, non-parametric methods were used to re-calculate a UPL based on historical upgradient/background sampling, resulting in a UPL of 4.9 mg/L.

Therefore, the January 2022 detection does not represent a potential SSI when compared to the non-parametric interwell UPL or the more appropriate intrawell UPL.

Natural Occurring Concentrations and Variation:

- Recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R.
- Chloride concentrations in GWC-48 are within range of regional concentrations in water supply wells (in the range of 1 to 16 mg/L in wells screened in Knox Dolomite and Newala Limestone, USGS Water Supply Paper 1619-FF26, Table 3).



**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event**

Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

2 Alternate Source Demonstration

- Geochemical characterization of groundwater quality data demonstrates little difference between upgradient, and GWC-48 water quality and confirms the absence of a CCR signature in groundwater. A suite of cations and anions were sampled in January-February 2022 from the entire Site groundwater monitoring network and included in the 2022 Semi-Annual Report. Laboratory Analytical Reports are provided in Appendix B. Constituents released from coal ash will shift the relative and absolute abundances cation and anion away from background conditions. These shifts become apparent when plotted on a Piper or Stiff diagram. The size of each stiff diagram corresponds to overall ionic strength and the shape reflects ratios of cations and anions. A CCR impact would characteristically increase the ionic strength and shift ratios away from background. Upgradient wells and GWC-48 are depicted on Figures 5 and 6, Piper and Stiff Diagrams. Upgradient and downgradient groundwater data are generally comingled on the piper plot (Figure 3), indicating that an outside influence such as a CCR release has not altered groundwater chemistry causing downgradient water quality to be different from upgradient.

GWC-48, GWA-50, GWA-50R, and GWA-43 have low concentrations and a mixed composition characterized by calcium, magnesium, and bicarbonate type. The geochemical characterization of GWA-50, GWA-50R, and GWA-43 are generally similar to GWC-48 water. The relatively low TDS concentrations of these wells (15 to 31 mg/L) suggests that there is minimal variability to the source of groundwater at these locations including GWC-48. Based on a review of Figures 5 and 6, GWC-48 has a pattern similar to background ionic composition. Therefore, GWC-48 indicates a natural groundwater composition (chemistry), reflecting background conditions.

Lack of Indicator Parameters Boron and Sulfate:

As stated above, the relatively low TDS concentrations of these wells suggests that there is minimal variability to the source of groundwater at GWC-48. Typical CCR Appendix III indicator parameters boron and sulfate are historically not detected or detected in very low concentrations in well GWC-48.

- Boron has not been detected above the laboratory RL (0.04 mg/L) in GWC-48 from sampling data between 2016 to 2022.
- Sulfate has been detected in low concentrations ranging from 0.76 mg/L in March 2018 to 20.2 mg/L in May 2021. Sulfate was recently detected at a concentration of 1.2 mg/L from the January 2022 sampling event.

Based on similar background chloride concentrations, minimal Appendix III indicator parameter detections, and geochemical comparison of groundwater quality, data indicate that a release from the Landfill has not occurred and the chloride concentrations detected in GWC-48 is due to natural variability. When an intrawell prediction limit was constructed to evaluate chloride at downgradient well GWC-48, no exceedance was identified; therefore, no further action is necessary.



3 Conclusions

The mercury and chloride concentrations reported for well GWC-48 and beryllium concentration reported for well GWC-5 were identified as potential SSIs during the semi-annual 2022 groundwater detection monitoring event conducted in January-February 2022. A subsequent verification sampling event conducted in April 2022 confirmed the initial concentrations, which resulted in the identification of the SSIs. The lines of evidence summarized in the preceding sections and in the revised GSC statistical report (Appendix A) support the ASD findings that mercury and chloride in GWC-48 and beryllium in GWC-5 are not SSIs. The ASD conclusions are supported by the following information:

- Due to varying detection limits in background data sets over time, a substitution of the most recent, lower reporting limits was used for non-detect concentrations of beryllium and mercury in the historical data used in the January-February 2022 statistical analysis. Use of these lower reporting limits in the statistical analysis resulted in much lower UPLs, resulting in SSIs for beryllium and mercury that are not associated with a release from the Site. When using the original reporting limits as alternate UPLs for beryllium and mercury, no exceedances were identified for the 2022 data set. Consistent with the Unified Guidance, once a sufficient number of sample results (8 – 12 samples) that are analyzed and reported with the lower RLs are collected, the use of historical data will be re-evaluated to ensure that data are representative of current site-conditions.. In addition, based on geochemical comparison of upgradient and downgradient groundwater chemistry and no evidence of a release as represented by Appendix III indicator parameter concentrations, data indicate that a release from the Landfill has not occurred.
- The apparent chloride SSI at well GWC-48 is a result of using interwell prediction limits which were initially recommended in 2015 to evaluate this constituent. Based on similar background chloride concentrations detected in regional groundwater wells, minimal Appendix III indicator parameter detections, and geochemical comparison of groundwater quality, data indicate that a release from the Landfill has not occurred and indicates that chloride detections are due to natural variability. Due to natural variation in groundwater quality unrelated to practices at the Site, intrawell prediction limits are more appropriate for chloride analysis. When an intrawell prediction limit was constructed, a UPL of 5.485 mg/L was calculated for chloride and no exceedance was identified; therefore, no further action is necessary.
- When using non-parametric methods to calculate a UPL for chloride based on historical background sampling, the UPL is reported as 4.9 mg/L, which is above the initial January 2022 chloride detection of 4.8 mg/L in GWC-48. Therefore, the initial exceedance does not represent a potential SSI.

Based on the information presented in this ASD, groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will continue in the detection monitoring phase.



4 References

United States Environmental Protection Agency (US EPA), 2009. Unified Guidance, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. USEPA 350/R-09/007 Office of Solid Waste Management Division, U.S. Environmental Protection Agency, Washington, D. C. March 2009.

United States Geologic Survey 1963, Geology and Ground-Water Resources of Bartow County Georgia, Geologic Survey Water-Supply 1619-FF, 1963.

Stantec Consulting Services, Inc. (Stantec), 2022. Semi-Annual Groundwater Monitoring & Corrective Action Report, Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. August 31, 2022.



TABLE



TABLE 1
Summary of January 2022 Statistical
Exceedances Not Previously Addressed in
An ASD

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, and 9&10
Bartow County, Georgia

Cell	Well	Parameter	SSI During Previous Monitoring Event (July-August 2022)	Initial Exceedance Concentration (January 2022)(mg/L)	Initial Prediction Limit (mg/L)	Revised Prediction Limit (mg/L) ⁽¹⁾⁽²⁾	Initial Exceedance SSI ⁽²⁾
Cell 1 & 2 and 9 & 10	GWC-48	Chloride	No	4.8	4.3	5.485	No
Cell 1 & 2 and 9 & 10	GWC-48	Mercury	No	0.00039	0.0003	0.0005	No
Cell 1 & 2 and 9 & 10	GWC-5	Beryllium	No	0.00075	0.0005	0.0030	No

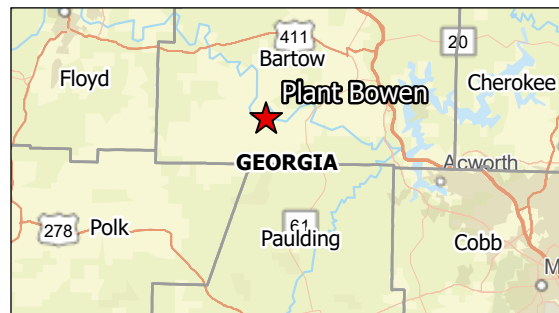
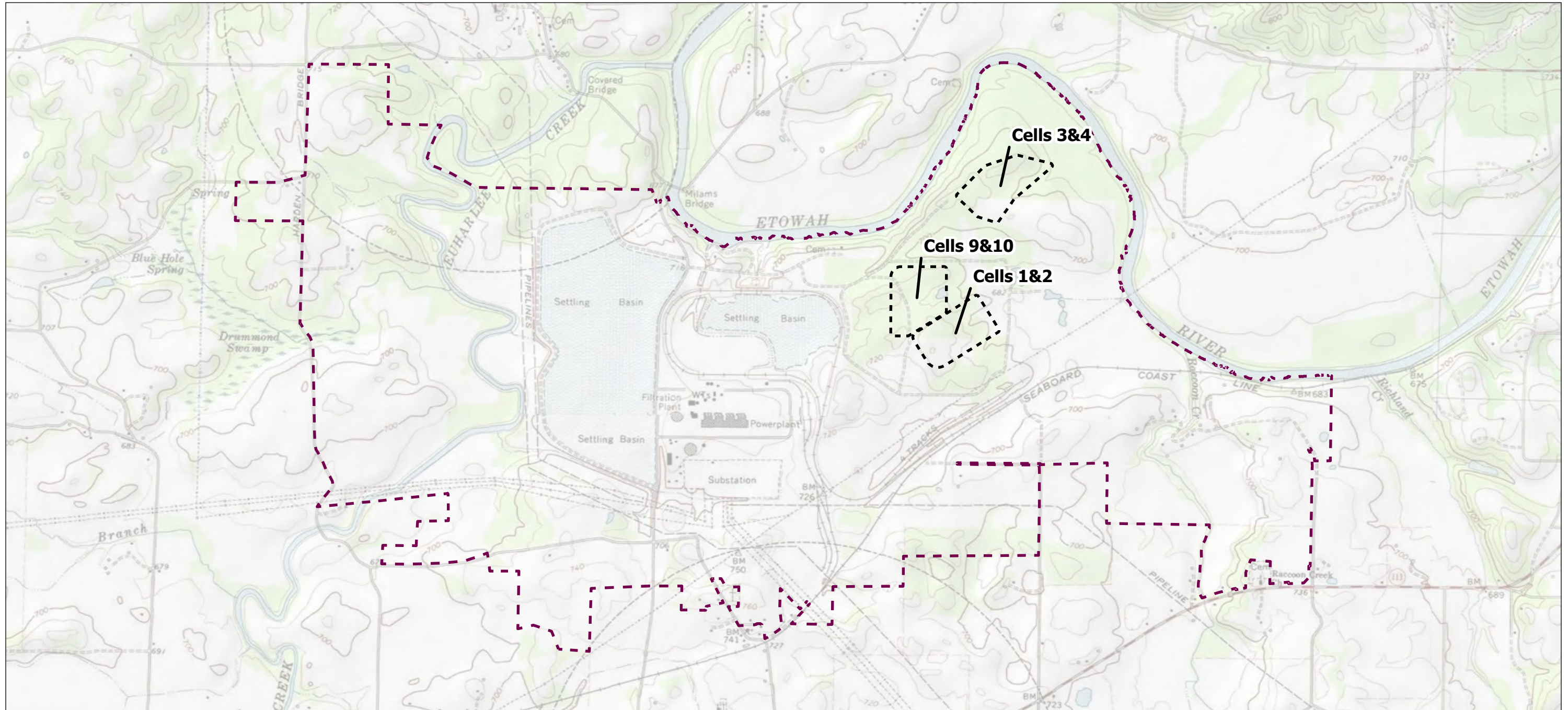
Notes:

1: Revised prediction limits as presented in Groundwater Stats Consulting (GSC) addendum reports (Appendix A). The intrawell prediction limit of 5.485 mg/L for chloride at GWC-48 is more appropriate than the interwell prediction limit because there is no evidence of historical chloride impacts in well GWC-48

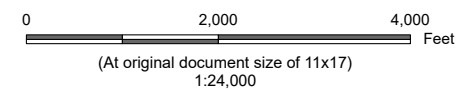
2: The initial exceedances do not exceed the revised prediction limits

FIGURES





- Legend**
- Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

Client/Project
Georgia Power
Alternate Source Demonstration for Beryllium, Chloride,
and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

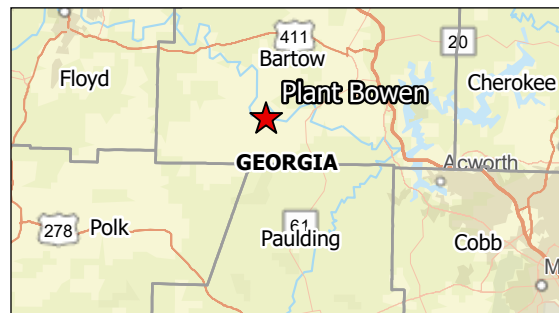
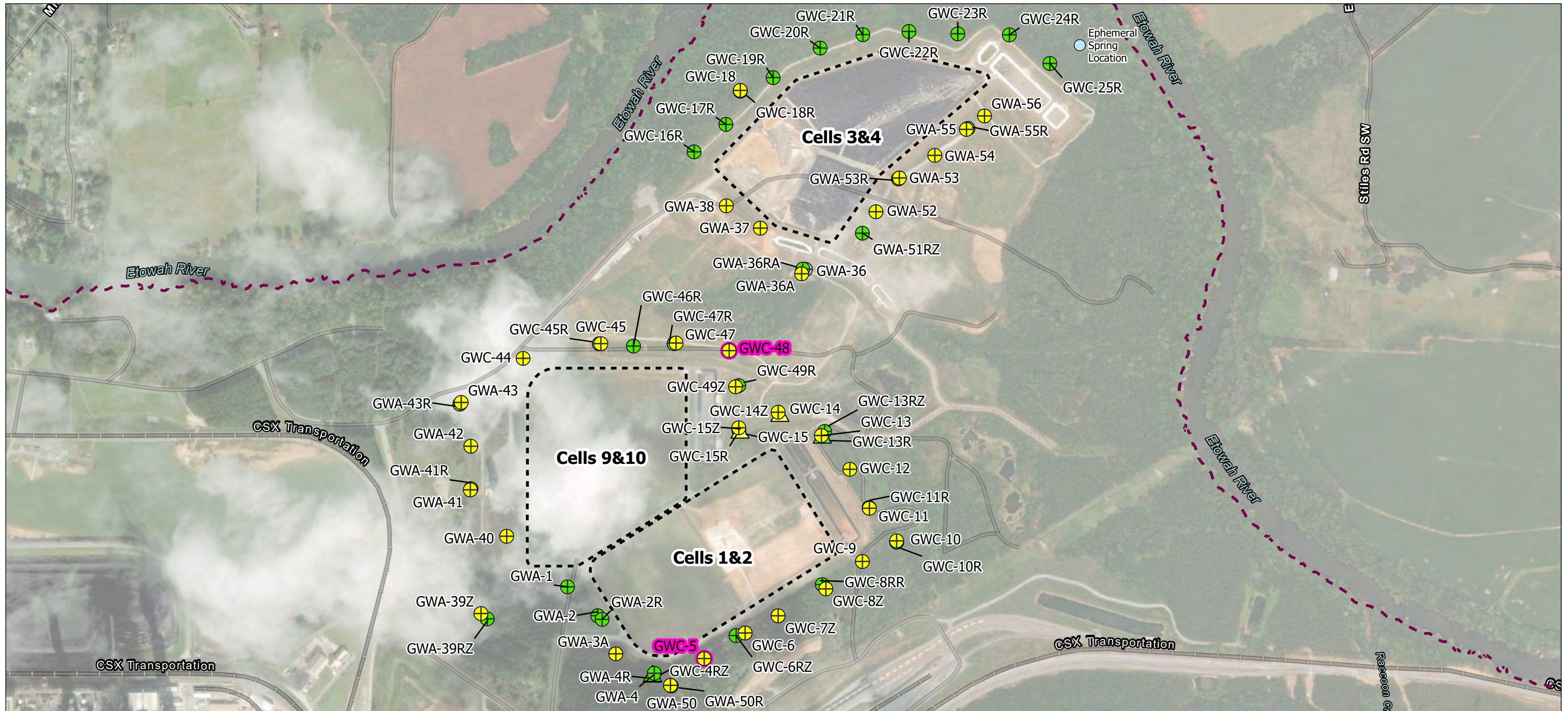
Figure No.

1

Title

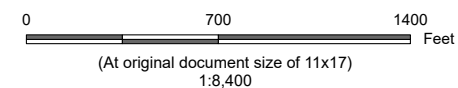
Site Location Map

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Site and Landfill Boundaries provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Background: Copyright © 2013 National Geographic Society, i-cubed, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



- Legend**
- ⊕ Abandoned Groundwater Monitoring Well
 - △ Abandoned Water Level Piezometer
 - ⊕ Groundwater Monitoring Well (Overburden)
 - △ Water Level Piezometer (Overburden)
 - ⊕ Groundwater Monitoring Well (Bedrock)
 - △ Water Level Piezometer (Bedrock)
 - Groundwater Monitoring Well (Subjects of ASD)
 - Ephemeral Spring Location
 - - - Approximate Site Boundary
 - - - Landfill Cell Boundary (Approximate)

GWA-36 abandoned 3/16/2022.
 GWA-4 abandoned 3/15/2022.
 GWA-36A installed 3/18/2022.



Project Location
 Euharlee, Georgia

Prepared by DMB on 9/28/2022
 TR by MP on 9/28/2022
 IR by MD on 9/28/2022

Client/Project
 Georgia Power
 Alternate Source Demonstration for Beryllium, Chloride,
 and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

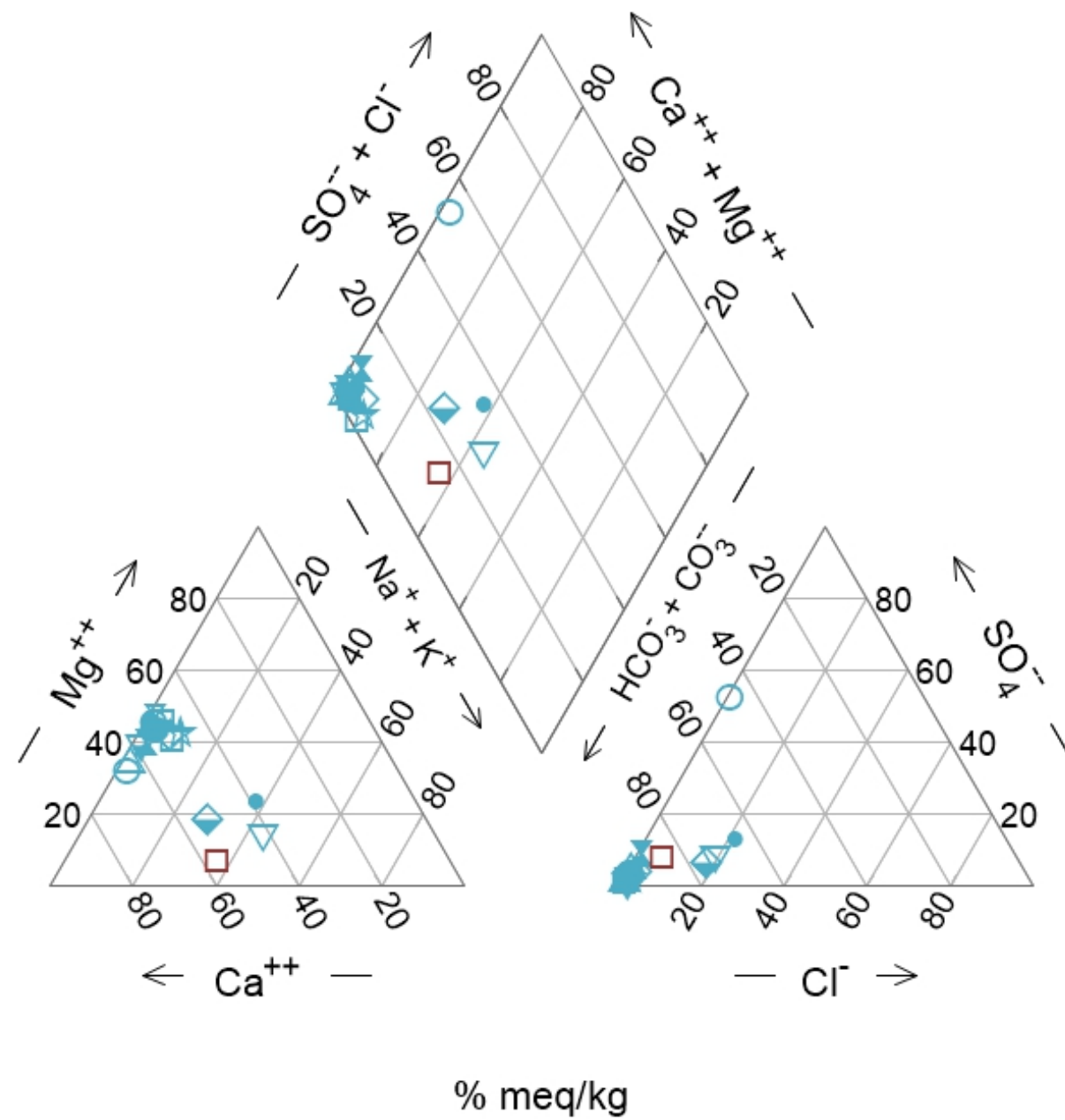
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2

Title

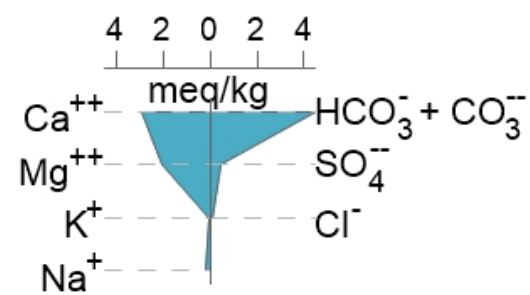
Groundwater Monitoring System

Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

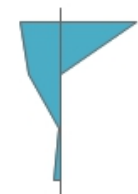


- GWA-1 20220201
- GWA-2 20220201
- △ GWA-2R 20220201
- ▽ GWA-50 20220201
- ◇ GWA-3A 20220202
- GWA-50R 20220202
- ✕ GWA-4RZ 20220203
- ☆ GWA-39Z 20220131
- GWA-40 20220131
- ⊙ GWA-41 20220131
- ▲ GWA-41R 20220131
- ▼ GWA-42 20220131
- ◆ GWA-43 20220131
- ✂ GWA-43R 20220131
- GWA-39RZ 20220202
- GWC-5 20220202

- Cells 1, 2, 9, 10 Upgradient Wells
- GWC-5



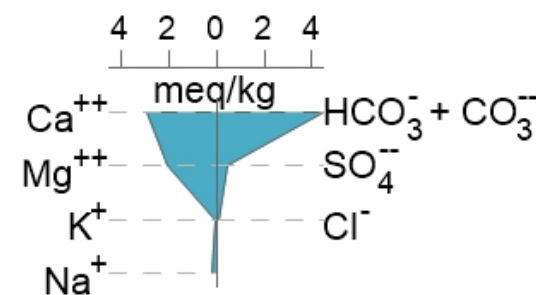
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GWA-1 20220201



GWA-2 20220201



GWA-4RZ 20220203



GWA-40 20220131



GWA-41 20220131



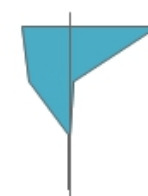
GWA-2R 20220201



GWA-50 20220201



GWA-3A 20220202



GWA-41R 20220131



GWA-42 20220131



GWA-43 20220131



GWA-50R 20220202



GWA-39Z 20220131



GWA-40 20220131




GWA-43R 20220131



GWA-39RZ 20220202



GWC-5 20220202

 Cells 1, 2, 9, 10 Upgradient Wells

 GWC-5



Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

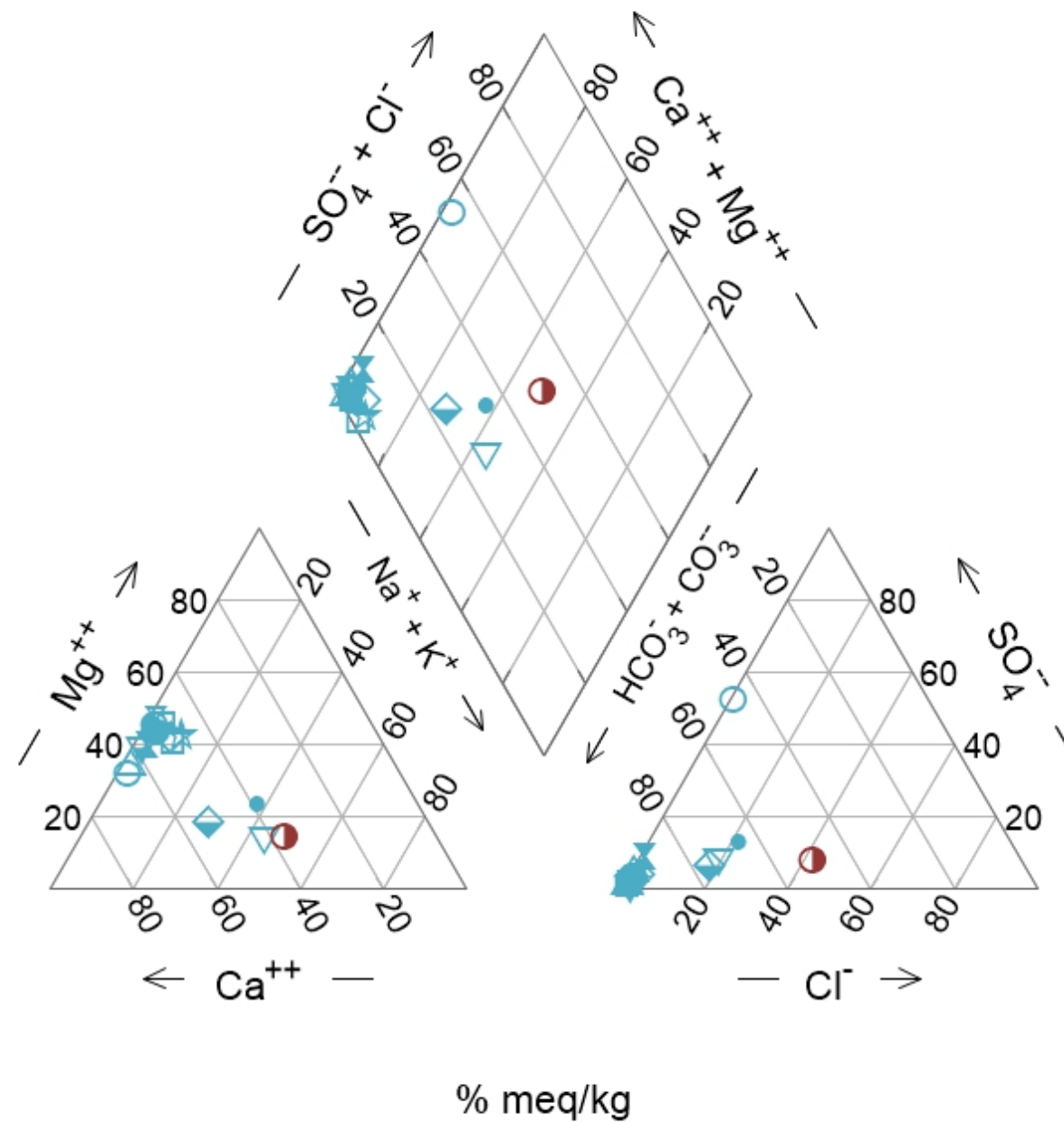
Client/Project
Georgia Power
Alternate Source Demonstration for Beryllium, Chloride,
and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

4

Title

GWC- 5 Stiff Diagrams



- GWA-1 20220201
- GWA-2 20220201
- △ GWA-2R 20220201
- ▽ GWA-50 20220201
- ◇ GWA-3A 20220202
- GWA-50R 20220202
- ⋈ GWA-4RZ 20220203
- ☆ GWA-39Z 20220131
- GWA-40 20220131
- GWA-41 20220131
- ▲ GWA-41R 20220131
- ▽ GWA-42 20220131
- ◇ GWA-43 20220131
- ⋈ GWA-43R 20220131
- GWC-48 20220131
- GWA-39RZ 20220202

■ Cells 1, 2, 9, 10 Upgradient Wells

■ GWC-48

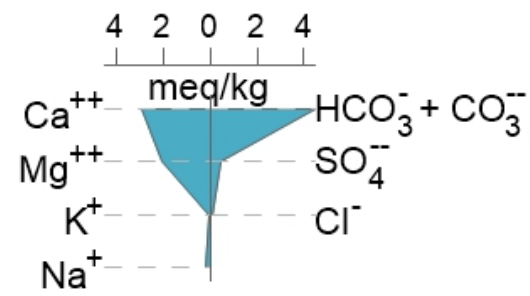


Project Location: Euharlee, Georgia
 Prepared by DMB on 9/28/2022
 TR by MP on 9/28/2022
 IR by MD on 9/28/2022

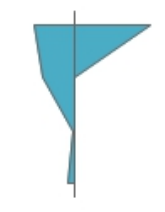
Client/Project: Georgia Power, 172678190
 Alternate Source Demonstration for Beryllium, Chloride, and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No. 5

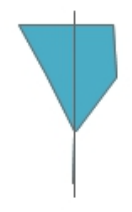
Title: GWC- 48 Piper Diagrams



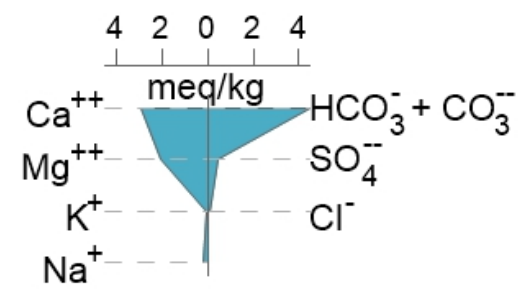
GWA-4RZ 20220203



GWA-1 20220201



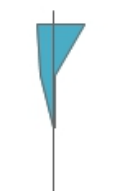
GWA-2 20220201



GWA-4RZ 20220203



GWA-40 20220131



GWA-41 20220131



GWA-2R 20220201



GWA-50 20220201



GWA-3A 20220202



GWA-41R 20220131



GWA-42 20220131



GWA-43 20220131



GWA-50R 20220202



GWA-39Z 20220131



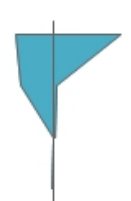
GWA-40 20220131



GWA-43R 20220131



GWC-48 20220131



GWA-39RZ 20220202

- Cells 1, 2, 9, 10 Upgradient Wells
- GWC-48



Stantec



Georgia Power

Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

Client/Project
Georgia Power
Alternate Source Demonstration for Beryllium, Chloride, and Mercury - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
6

Title
GWC- 48 Stiff Diagrams

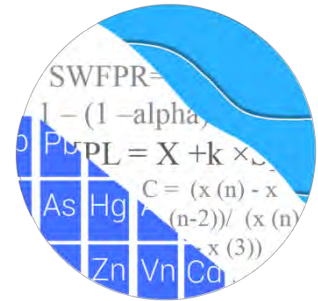
172678190

**Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

APPENDIX A REVISED GROUNDWATER STATS CONSULTING REPORTS



GROUNDWATER STATS CONSULTING



September 15, 2022

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 1, 2, 9, and 10 – Spring 2022 Resample

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the resample report for the February 2022 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement well GWA-3A.

Data were sent electronically to Groundwater Stats Consulting, and the resample report statistical analysis was reviewed by Kristina Rayner, Senior Statistician and Founder to Groundwater Stats Consulting.

The following constituents are evaluated on a semi-annual basis:

- **CCR Appendix III:** boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD Appendix I:** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that the terms “parameters” and “constituents” are interchangeable throughout this report.

Resample Summary – April 2022

Time series and box plots are provided to include resamples collected in April 2022 for well/constituent pairs identified with apparent prediction limits exceedances during the February 2022 sample event (Figures S and T, respectively). Upgradient well data are included in the plots to represent naturally occurring concentration levels in groundwater upgradient of the landfill. Well/constituent pairs with exceedances during February 2022 where previous Alternate Source Demonstrations (ASDs) were prepared are not included in this analysis. The time series plots provide visual representation of concentrations over time while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs.

Due to varying detection limits in background data sets, a substitution of the most recent reporting limit is typically used for all non-detects. Note that the laboratory reporting limit however, for beryllium decreased from 0.003 mg/L to 0.0005 mg/L and for mercury from 0.0005 mg/L to 0.0002 mg/L in more recent data. Therefore, the historical reporting limits of 0.003 mg/L and 0.0005 mg/L are substituted for all nondetects for beryllium and mercury, respectively. In both cases, the reporting limits are below the established Maximum Contaminant Limits of 0.004 mg/L for beryllium and 0.002 mg/L for mercury.

Resamples were collected in April 2022 and evaluated for the following well/constituent pairs:

Georgia EPD Appendix I

Appendix I Intrawell

- Cadmium: GWC-12

Appendix I Interwell

- Beryllium: GWC-5
- Mercury: GWC-48

CCR Appendix III

Appendix III Interwell

- Chloride: GWC-48

An intrawell prediction limit was constructed to evaluate the resample using background data as discussed previously for cadmium (Figure U). No exceedance was identified for cadmium in well GWC-12; thus, the initial exceedance was not confirmed and no further action is necessary.

Interwell prediction limits were constructed using pooled upgradient well data through February 2022 to evaluate the resamples for beryllium at well GWC-5 and mercury at well GWC-48 (Figure V). When interwell prediction limits were constructed, no exceedances were identified; therefore, no further action is required.

While interwell prediction limits were initially recommended in 2015 to evaluate chloride, more recent evidence provided by Stantec Consultants suggests that intrawell prediction limits are appropriate for this constituent due to natural variation in groundwater quality unrelated to practices at the landfill. Additionally, more recent reported concentrations at downgradient well GWC-48 are similar to those reported historically at upgradient well GWA-43R, and concentrations at all wells are less than 10 mg/L compared to the established Maximum Contaminant Limit of 250 mg/L. When an intrawell prediction limit was constructed to evaluate chloride at downgradient well GWC-48, no exceedance was identified; therefore, no further action is necessary (Figure W).

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Appendix I Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg.Mean	Std.Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-12	0.001	n/a	4/28/2022	0.00067	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Appendix I Interwell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-5	0.003	n/a	4/28/2022	0.00078	No	284	n/a	n/a	91.55	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Mercury (mg/L)	GWC-48	0.0005	n/a	4/28/2022	0.0004	No	382	n/a	n/a	96.6	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

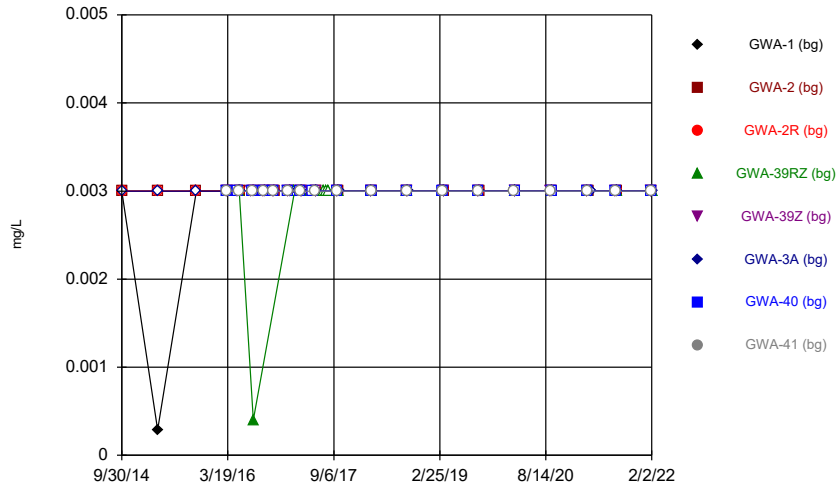
Appendix III Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-48	5.485	n/a	4/28/2022	5	No	17	1.705	0.2373	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

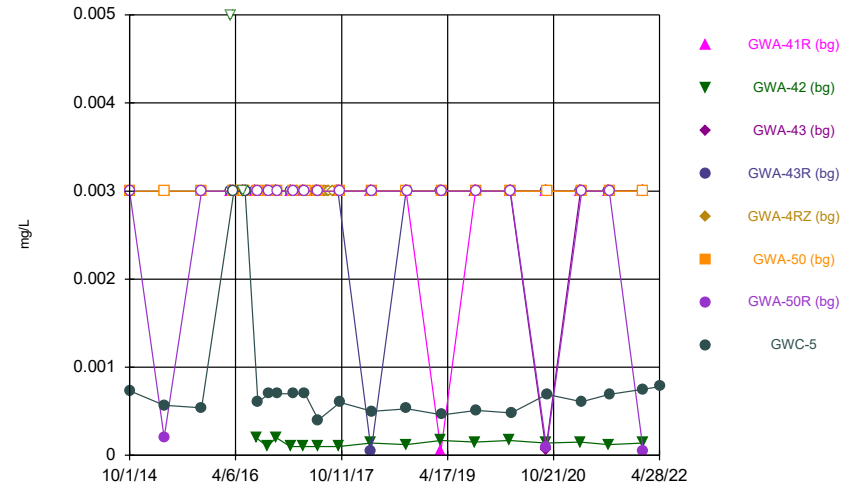
FIGURE S.

Time Series



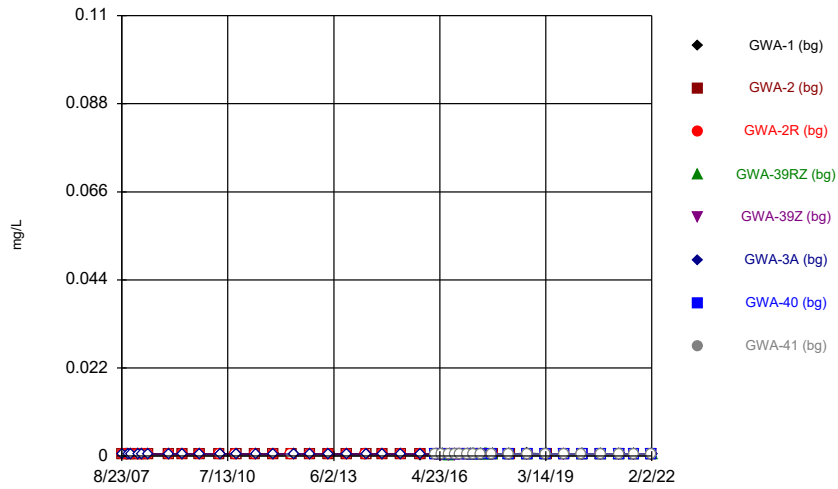
Constituent: Beryllium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



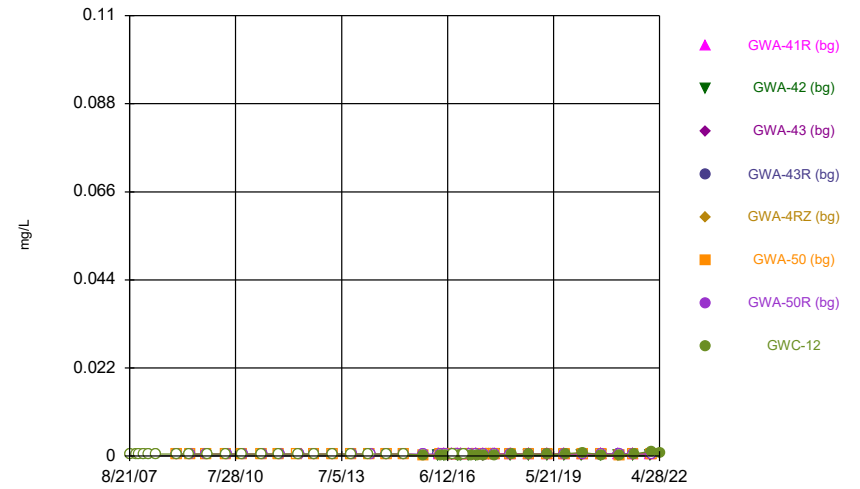
Constituent: Beryllium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



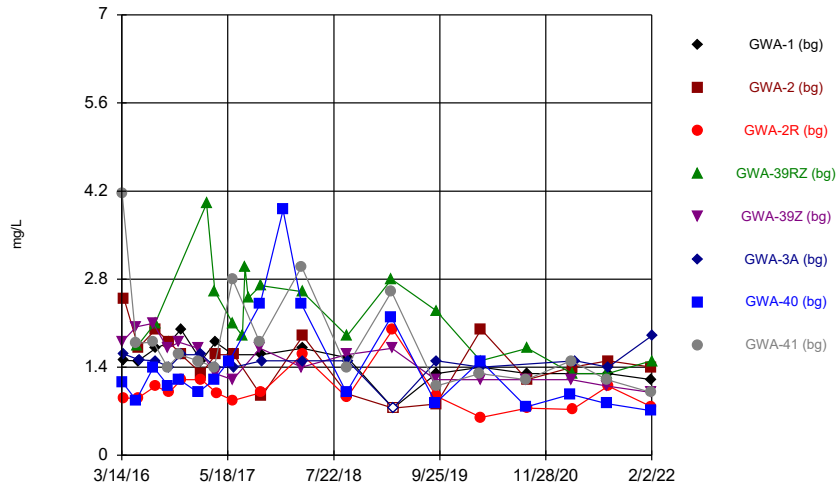
Constituent: Cadmium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



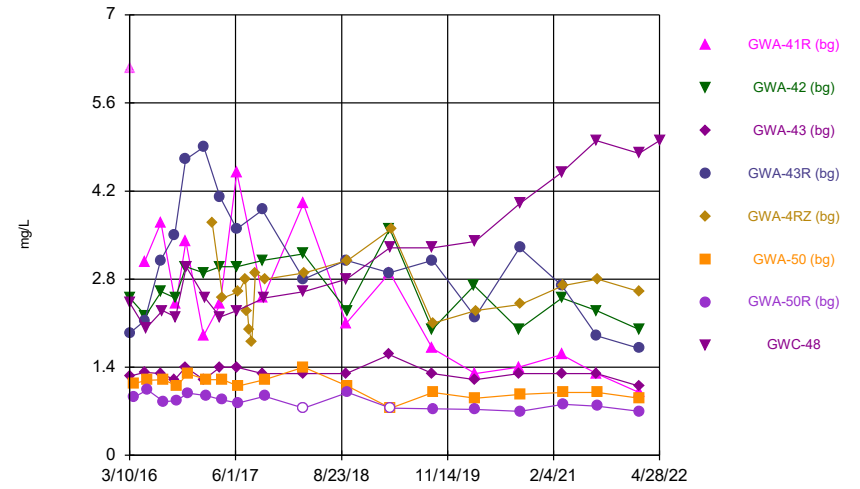
Constituent: Cadmium Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



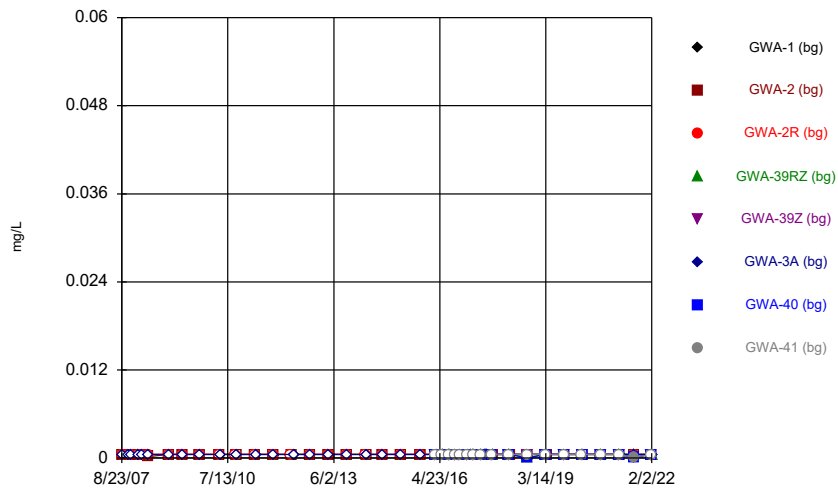
Constituent: Chloride, Total Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



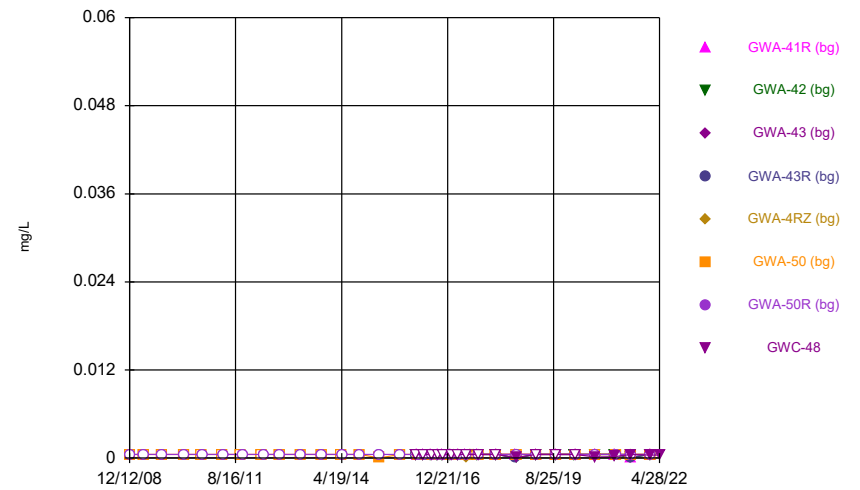
Constituent: Chloride, Total Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Mercury Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series



Constituent: Mercury Analysis Run 9/15/2022 4:04 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/30/2014	<0.003	<0.003	<0.003					
10/4/2014						<0.003		
3/30/2015	0.00029 (J)	<0.003	<0.003					
3/31/2015						<0.003		
10/12/2015						<0.003		
10/13/2015	<0.003	<0.003	<0.003					
3/14/2016					<0.003			
3/15/2016							<0.003	<0.003
3/22/2016	<0.003							
3/23/2016		<0.003	<0.003			<0.003		
5/11/2016					<0.003		<0.003	
5/12/2016								<0.003
5/16/2016				<0.003 (D)				
5/19/2016	<0.003		<0.003					
5/20/2016		<0.003						
5/23/2016						<0.003		
7/19/2016					<0.003			
7/20/2016								<0.003
7/21/2016							<0.003	
7/27/2016				0.0004 (JD)				
7/29/2016	<0.003	<0.003	<0.003			<0.003		
9/15/2016					<0.003		<0.003	<0.003
9/22/2016			<0.003			<0.003		
9/23/2016	<0.003	<0.003						
11/2/2016					<0.003			
11/3/2016							<0.003	<0.003
11/9/2016	<0.003	<0.003						
11/10/2016			<0.003			<0.003		
1/17/2017							<0.003	
1/18/2017					<0.003			<0.003
1/30/2017	<0.003							
1/31/2017		<0.003	<0.003			<0.003		
2/21/2017				<0.003				
3/24/2017							<0.003	<0.003
3/27/2017				<0.003 (D)				
3/28/2017					<0.003			
3/30/2017	<0.003	<0.003				<0.003		
4/3/2017			<0.003					
5/24/2017							<0.003	
6/6/2017								<0.003
6/7/2017					<0.003			
6/8/2017				<0.003 (D)				
6/9/2017	<0.003		<0.003					
6/12/2017		<0.003				<0.003		
7/17/2017				<0.003 (D)				
7/27/2017				<0.003				
8/9/2017				<0.003				
9/25/2017								<0.003
9/26/2017					<0.003		<0.003	
9/29/2017				<0.003 (D)				
10/2/2017	<0.003	<0.003	<0.003					
10/4/2017						<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2018					<0.003		<0.003	<0.003
3/16/2018	<0.003		<0.003	<0.003				
3/19/2018		<0.003				<0.003		
9/12/2018					<0.003		<0.003	<0.003
9/14/2018		<0.003	<0.003	<0.003				
9/17/2018	<0.003 (D)					<0.003		
3/13/2019							<0.003	
3/14/2019				<0.003				<0.003
3/15/2019					<0.003			
3/19/2019			<0.003					
3/20/2019	<0.003	<0.003				<0.003		
9/9/2019					<0.003		<0.003	
9/10/2019								<0.003 (D)
9/12/2019	<0.003	<0.003 (D)						
9/13/2019			<0.003			<0.003		
3/6/2020								<0.003
3/9/2020				<0.003	<0.003		<0.003	
3/11/2020	<0.003	<0.003	<0.003			<0.003		
9/10/2020					<0.003			<0.003
9/11/2020							<0.003	
9/15/2020	<0.003	<0.003	<0.003					
9/16/2020				<0.003				
3/10/2021							<0.003	
3/11/2021								<0.003
3/12/2021					<0.003			
3/16/2021	<0.003		<0.003	<0.003				
3/17/2021		<0.003						
3/29/2021						<0.003		
8/4/2021					<0.003		<0.003	<0.003
8/6/2021				<0.003				
8/9/2021	<0.003	<0.003	<0.003			<0.003		
1/31/2022					<0.003		<0.003	<0.003
2/1/2022	<0.003	<0.003	<0.003					
2/2/2022				<0.003		<0.003		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-5
10/1/2014						<0.003	<0.003	
10/3/2014								0.00073 (J)
3/30/2015						<0.003	0.0002 (J)	
3/31/2015								0.00057 (J)
10/11/2015						<0.003	<0.003	
10/12/2015								0.00054 (J)
3/11/2016		<0.005 (O)	<0.003	<0.003				
3/15/2016	<0.003							
3/28/2016						<0.003	<0.003	<0.003
5/13/2016	<0.003		<0.003	<0.003				
5/16/2016		<0.003 (O)						
5/23/2016						<0.003		
5/25/2016							<0.003	<0.003
7/19/2016			<0.003	<0.003				
7/21/2016	<0.003							
7/22/2016		0.0002 (J)						
8/1/2016						<0.003	<0.003	0.0006 (J)
9/16/2016			<0.003	<0.003				
9/19/2016		0.0001 (J)						
9/21/2016	<0.003							
9/26/2016						<0.003	<0.003	
9/27/2016								0.0007 (J)
11/2/2016			<0.003	<0.003				
11/3/2016	<0.003	0.0002 (J)						
11/10/2016						<0.003		
11/11/2016							<0.003	0.0007 (J)
1/17/2017	<0.003	0.0001 (J)						
1/18/2017			<0.003	<0.003				
1/30/2017						<0.003	<0.003	
1/31/2017								0.0007 (J)
2/22/2017					<0.003			
3/27/2017	<0.003	0.0001 (J)						
3/28/2017			<0.003	<0.003				
4/3/2017							<0.003	0.0007 (J)
4/7/2017					<0.003	<0.003		
6/6/2017	<0.003		<0.003	<0.003				
6/7/2017		0.0001 (J)						
6/12/2017						<0.003	<0.003	0.0004 (J)
6/14/2017					<0.003 (D)			
7/12/2017					<0.003 (D)			
7/20/2017					<0.003 (D)			
7/28/2017					<0.003			
8/9/2017					<0.003			
8/24/2017					<0.003			
9/22/2017			<0.003	<0.003				
9/25/2017	<0.003							
9/26/2017		0.0001 (J)						
10/2/2017						<0.003	<0.003	
10/3/2017					<0.003 (D)			0.0006 (J)
3/14/2018	<0.003	0.00014 (J)	<0.003					
3/15/2018				5.1E-05 (J)				
3/16/2018						<0.003	<0.003	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005		
10/23/2007	<0.0005							
10/24/2007		<0.0005	<0.0005					
11/2/2007						<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005		
1/30/2008	<0.0005							
1/31/2008		<0.0005	<0.0005			<0.0005		
3/10/2008	<0.0005		<0.0005					
3/11/2008		<0.0005				<0.0005		
5/6/2008		<0.0005						
5/13/2008	<0.0005		<0.0005					
5/14/2008						<0.0005		
12/4/2008		<0.0005	<0.0005					
12/5/2008	<0.0005					<0.0005		
4/15/2009	<0.0005					<0.0005		
4/21/2009		<0.0005	<0.0005					
10/7/2009	<0.0005	<0.0005						
10/8/2009			<0.0005			<0.0005		
4/21/2010			<0.0005					
4/26/2010		<0.0005						
4/28/2010						<0.0005		
5/3/2010	<0.0005							
9/28/2010			<0.0005					
10/4/2010		<0.0005						
10/6/2010						<0.0005		
10/12/2010	<0.0005							
4/12/2011			<0.0005					
4/13/2011		<0.0005						
4/21/2011						<0.0005		
4/27/2011	<0.0005							
10/4/2011			<0.0005					
10/5/2011		<0.0005						
10/13/2011						<0.0005		
10/17/2011	<0.0005							
4/3/2012			<0.0005					
4/11/2012		<0.0005						
5/1/2012						<0.0005		
5/2/2012	<0.0005							
10/8/2012	<0.0005							
10/9/2012		<0.0005	<0.0005			<0.0005		
4/11/2013			<0.0005			<0.0005		
4/12/2013	<0.0005							
4/15/2013		<0.0005						
10/15/2013		<0.0005						
10/16/2013	<0.0005		<0.0005			<0.0005		
4/10/2014			<0.0005					
4/11/2014	<0.0005							
4/22/2014		<0.0005						
4/23/2014						<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005					
10/4/2014						<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005					

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/31/2015						<0.0005		
10/12/2015						<0.0005		
10/13/2015	0.0003 (J)	<0.0005	<0.0005					
3/14/2016					<0.0005			
3/15/2016							<0.0005	<0.0005
3/22/2016	<0.0005							
3/23/2016		<0.0005	<0.0005			<0.0005		
5/11/2016					0.000177 (J)		<0.0005	
5/12/2016								<0.0005
5/16/2016				<0.0005 (D)				
5/19/2016	<0.0005		<0.0005					
5/20/2016		<0.0005						
5/23/2016						<0.0005		
7/19/2016					0.0001 (J)			
7/20/2016								<0.0005
7/21/2016							<0.0005	
7/27/2016				0.0001 (JD)				
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005		
9/15/2016					8E-05 (J)		<0.0005	<0.0005
9/22/2016			<0.0005			<0.0005		
9/23/2016	<0.0005	<0.0005						
11/2/2016					<0.0005			
11/3/2016							<0.0005	<0.0005
11/9/2016	<0.0005	<0.0005						
11/10/2016			<0.0005			<0.0005		
1/17/2017							<0.0005	
1/18/2017					<0.0005			<0.0005
1/30/2017	<0.0005							
1/31/2017		<0.0005	<0.0005			<0.0005		
2/21/2017				<0.0005				
3/24/2017							<0.0005	<0.0005
3/27/2017				<0.0005 (D)				
3/28/2017					<0.0005			
3/30/2017	<0.0005	<0.0005				<0.0005		
4/3/2017			<0.0005					
5/24/2017							<0.0005	
6/6/2017								<0.0005
6/7/2017					<0.0005			
6/8/2017				<0.0005 (D)				
6/9/2017	<0.0005		<0.0005					
6/12/2017		<0.0005				<0.0005		
7/17/2017				<0.0005 (D)				
7/27/2017				<0.0005				
8/9/2017				<0.0005				
9/25/2017								<0.0005
9/26/2017					<0.0005		<0.0005	
9/29/2017				<0.0005 (D)				
10/2/2017	<0.0005	<0.0005	<0.0005					
10/4/2017						<0.0005		
3/14/2018					<0.0005		<0.0005	<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005				
3/19/2018		<0.0005				<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/12/2018					<0.0005		<0.0005	<0.0005
9/14/2018		<0.0005	<0.0005	<0.0005				
9/17/2018	0.00076 (JD)					<0.0005		
3/13/2019							<0.0005	
3/14/2019				<0.0005				<0.0005
3/15/2019					<0.0005			
3/19/2019			<0.0005					
3/20/2019	<0.0005	<0.0005				<0.0005		
9/9/2019					<0.0005		<0.0005	
9/10/2019								<0.0005 (D)
9/12/2019	<0.0005	<0.0005 (D)						
9/13/2019			<0.0005			<0.0005		
3/6/2020								<0.0005
3/9/2020				<0.0005	<0.0005		<0.0005	
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005		
9/10/2020					<0.0005			<0.0005
9/11/2020							<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005					
9/16/2020				<0.0005				
3/10/2021							<0.0005	
3/11/2021								<0.0005
3/12/2021					<0.0005			
3/16/2021	<0.0005		<0.0005	<0.0005				
3/17/2021		<0.0005						
3/29/2021						<0.0005		
8/4/2021					<0.0005		<0.0005	<0.0005
8/6/2021				<0.0005				
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005		
1/31/2022					<0.0005		<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005					
2/2/2022				<0.0005		<0.0005		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-12
8/21/2007								<0.0005
11/1/2007								<0.0005
11/19/2007								<0.0005
1/16/2008								<0.0005
3/5/2008								<0.0005
5/13/2008								<0.0005
12/12/2008						<0.0005	<0.0005	
12/13/2008								<0.0005
4/16/2009								<0.0005
4/23/2009						<0.0005	<0.0005	
10/6/2009						<0.0005	<0.0005	
10/21/2009								<0.0005
4/27/2010						<0.0005		<0.0005
5/3/2010							<0.0005	
9/30/2010						<0.0005		
10/5/2010								<0.0005
10/11/2010							<0.0005	
4/14/2011						<0.0005		
4/19/2011								<0.0005
4/27/2011							<0.0005	
10/5/2011						<0.0005		
10/12/2011								<0.0005
10/19/2011							<0.0005	
4/11/2012						<0.0005		
4/24/2012								<0.0005
5/1/2012							<0.0005	
10/2/2012						<0.0005	<0.0005	<0.0005
4/2/2013								<0.0005
4/9/2013						<0.0005		
4/10/2013							<0.0005	
10/9/2013								<0.0005
10/15/2013						<0.0005		
10/16/2013							<0.0005	
4/1/2014								<0.0005
4/10/2014						<0.0005		
4/22/2014							<0.0005	
10/1/2014						<0.0005	<0.0005	
10/2/2014								<0.0005
3/30/2015						<0.0005	<0.0005	
4/1/2015								<0.0005
10/11/2015						0.00026 (J)	<0.0005	
10/14/2015								0.00025 (J)
3/11/2016		0.000121 (J)	<0.0005	<0.0005				
3/15/2016	<0.0005							
3/28/2016						<0.0005	<0.0005	
4/4/2016								0.000136 (J)
5/13/2016	<0.0005		<0.0005	<0.0005				
5/16/2016		0.000145 (J)						
5/23/2016						<0.0005		
5/25/2016							<0.0005	
5/27/2016								0.000131 (J)
7/19/2016			<0.0005	<0.0005				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-12
7/21/2016	<0.0005							
7/22/2016		<0.0005						
8/1/2016						<0.0005	<0.0005	
8/3/2016								<0.0005
9/16/2016			<0.0005	<0.0005				
9/19/2016		0.0001 (J)						
9/21/2016	<0.0005							
9/26/2016						<0.0005	<0.0005	
9/30/2016								9E-05 (J)
11/2/2016			<0.0005	<0.0005				
11/3/2016	<0.0005	8E-05 (J)						
11/10/2016						<0.0005		
11/11/2016							<0.0005	
11/22/2016								<0.0005
1/17/2017	<0.0005	0.0001 (J)						
1/18/2017			<0.0005	<0.0005				
1/30/2017						<0.0005	<0.0005	
2/13/2017								0.0001 (J)
2/22/2017					<0.0005			
3/27/2017	<0.0005	0.0002 (J)						
3/28/2017			<0.0005	<0.0005				
4/3/2017							<0.0005	
4/7/2017					<0.0005	<0.0005		
4/11/2017								0.0003 (J)
6/6/2017	<0.0005		8E-05 (J)	<0.0005				
6/7/2017		0.0001 (J)						
6/12/2017						<0.0005	<0.0005	
6/14/2017					<0.0005 (D)			0.0003 (J)
7/12/2017					<0.0005 (D)			
7/20/2017					<0.0005 (D)			
7/28/2017					<0.0005			
8/9/2017					<0.0005			
8/24/2017					<0.0005			
9/22/2017			<0.0005	<0.0005				
9/25/2017	<0.0005							
9/26/2017		<0.0005						
10/2/2017						<0.0005	<0.0005	
10/3/2017					<0.0005 (D)			
10/4/2017								0.0002 (J)
3/14/2018	<0.0005	0.00011 (J)	<0.0005					
3/15/2018				<0.0005				
3/16/2018						<0.0005	<0.0005	
3/21/2018					<0.0005			
3/22/2018								0.00032 (J)
9/12/2018	<0.0005		<0.0005	<0.0005				
9/14/2018		0.00013 (J)						
9/17/2018						<0.0005		
9/18/2018					<0.0005		<0.0005	0.00057 (J)
3/13/2019			<0.0005	<0.0005				
3/14/2019	<0.0005	0.00013 (J)						
3/19/2019						<0.0005	<0.0005	
3/21/2019					<0.0005 (D)			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/14/2016					1.795			
3/15/2016							1.1671	4.1666
3/22/2016	1.5101							
3/23/2016		2.4904	0.9079			1.6092		
5/11/2016					2.04		0.8763	
5/12/2016								1.78
5/16/2016				1.74 (D)				
5/19/2016	1.5		0.9136					
5/20/2016		1.71						
5/23/2016						1.52		
7/19/2016					2.1			
7/20/2016								1.8
7/21/2016							1.4	
7/27/2016				2.1 (D)				
7/29/2016	1.7	2	1.1			1.5		
9/15/2016					1.7			1.4
9/19/2016							1.1	
9/22/2016			1			1.4		
9/23/2016	1.8	1.8						
11/2/2016					1.8			
11/3/2016							1.2	1.6
11/9/2016	2	1.6						
11/10/2016			1.2			1.6		
1/17/2017							1	
1/18/2017					1.7			1.5
1/30/2017	1.5							
1/31/2017		1.3	1.2			1.6		
2/21/2017				4 (D)				
3/24/2017							1.2	1.4
3/27/2017				2.6 (D)				
3/28/2017					1.3			
3/30/2017	1.8	1.6				1.4		
4/3/2017			0.99					
5/24/2017							1.5	
6/6/2017								2.8
6/7/2017					1.2			
6/8/2017				2.1 (D)				
6/9/2017	1.6		0.87					
6/12/2017		1.6				1.4		
7/17/2017				1.9 (D)				
7/27/2017				3 (D)				
8/9/2017				2.5 (D)				
9/25/2017								1.8
9/26/2017					1.7		2.4	
9/29/2017				2.7 (D)				
10/2/2017	1.6	0.94	1					
10/4/2017						1.5		
12/28/2017							3.9 (Y)	
3/14/2018					1.4		2.4	3
3/16/2018	1.7		1.6	2.6				
3/19/2018		1.9				1.5		
9/12/2018					1.6		1	1.4

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/14/2018		0.98	0.92	1.9				
9/17/2018	1.55 (D)					1.5		
3/13/2019							2.2	
3/14/2019				2.8				2.6
3/15/2019					1.7			
3/19/2019			2					
3/20/2019	<1.5	<1.5				<1.5		
9/9/2019					1.2		0.83 (X)	
9/10/2019				2.3				1.1
9/12/2019	1.3	0.815 (JD)						
9/13/2019			0.94 (J)			1.5		
3/6/2020								1.3
3/9/2020				1.5	1.2		1.5	
3/11/2020	1.4	2	0.6 (J)			1.4		
9/10/2020					1.2			1.2
9/11/2020							0.77 (J)	
9/15/2020	1.3	1.2	0.75 (J)					
9/16/2020				1.7				
3/10/2021							0.97 (J)	
3/11/2021								1.5
3/12/2021					1.2			
3/16/2021	1.3		0.73 (J)	1.3				
3/17/2021		1.4						
3/29/2021						1.5		
8/4/2021					1.1		0.82 (J)	1.2
8/6/2021				1.3				
8/9/2021	1.3	1.5	1.1			1.4		
1/31/2022					1		0.71 (J)	1
2/1/2022	1.2	1.4	0.77 (J)					
2/2/2022				1.5		1.9		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/10/2016								2.4266
3/11/2016		2.4984	1.2562	1.9467				
3/15/2016	6.1465 (o)							
3/28/2016						1.14	0.9204	
5/13/2016	3.08		1.32	2.14				
5/16/2016		2.22						
5/17/2016								2.01
5/23/2016						1.19		
5/25/2016							1.04	
7/19/2016			1.3	3.1				
7/21/2016	3.7							
7/22/2016		2.6						
7/27/2016								2.3
8/1/2016						1.2	0.85	
9/16/2016			1.2	3.5				
9/19/2016		2.5						
9/20/2016								2.2
9/21/2016	2.4							
9/26/2016						1.1	0.87	
11/2/2016			1.4	4.7				
11/3/2016	3.4	3						
11/4/2016								3
11/10/2016						1.3		
11/11/2016							0.99	
1/17/2017	1.9	2.9						
1/18/2017			1.2	4.9				
1/23/2017								2.5
1/30/2017						1.2	0.95	
2/22/2017					3.7 (D)			
3/27/2017	2.4	3						
3/28/2017			1.4	4.1				2.2
4/3/2017							0.88	
4/7/2017					2.5 (D)	1.2		
6/6/2017	4.5		1.4	3.6				
6/7/2017		3						
6/8/2017								2.3
6/12/2017						1.1	0.83	
6/14/2017					2.6 (D)			
7/12/2017					2.8 (D)			
7/20/2017					2.3 (D)			
7/28/2017					2 (D)			
8/9/2017					1.8 (D)			
8/24/2017					2.9 (D)			
9/22/2017			1.3	3.9				
9/25/2017	2.5							
9/26/2017		3.1						
9/29/2017								2.5
10/2/2017						1.2	0.94	
10/3/2017					2.8 (D)			
3/14/2018	4 (J)	3.2	1.3					
3/15/2018				2.8				2.6
3/16/2018						1.4	<1.5	

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005			<0.0005		
10/23/2007	<0.0005							
10/24/2007		<0.0005	<0.0005					
11/2/2007						<0.0005		
11/18/2007	<0.0005	<0.0005	<0.0005			<0.0005		
1/30/2008	<0.0005							
1/31/2008		<0.0005	<0.0005			<0.0005		
3/10/2008	<0.0005		<0.0005					
3/11/2008		<0.0005				<0.0005		
5/6/2008		0.000175						
5/13/2008	<0.0005		<0.0005					
5/14/2008						<0.0005		
12/4/2008		<0.0005	<0.0005					
12/5/2008	<0.0005					<0.0005		
4/15/2009	<0.0005					<0.0005		
4/21/2009		<0.0005	<0.0005					
10/7/2009	<0.0005	<0.0005						
10/8/2009			<0.0005			<0.0005		
4/21/2010			<0.0005					
4/26/2010		<0.0005						
4/28/2010						<0.0005		
5/3/2010	<0.0005							
9/28/2010			<0.0005					
10/4/2010		<0.0005						
10/6/2010						<0.0005		
10/12/2010	<0.0005							
4/12/2011			<0.0005					
4/13/2011		<0.0005						
4/21/2011						<0.0005		
4/27/2011	<0.0005							
10/4/2011			<0.0005					
10/5/2011		<0.0005						
10/13/2011						<0.0005		
10/17/2011	<0.0005							
4/3/2012			<0.0005					
4/11/2012		<0.0005						
5/1/2012						<0.0005		
5/2/2012	<0.0005							
10/8/2012	<0.0005							
10/9/2012		<0.0005	<0.0005			<0.0005		
4/11/2013			<0.0005			<0.0005		
4/12/2013	<0.0005							
4/15/2013		<0.0005						
10/15/2013		<0.0005						
10/16/2013	<0.0005		<0.0005			<0.0005		
4/10/2014			<0.0005					
4/11/2014	<0.0005							
4/22/2014		<0.0005						
4/23/2014						<0.0005		
9/30/2014	<0.0005	<0.0005	<0.0005					
10/4/2014						<0.0005		
3/30/2015	<0.0005	<0.0005	<0.0005					

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
3/31/2015						<0.0005		
10/12/2015						<0.0005		
10/13/2015	<0.0005	<0.0005	<0.0005					
3/14/2016					<0.0005			
3/15/2016							<0.0005	<0.0005
3/22/2016	<0.0005							
3/23/2016		<0.0005	<0.0005			<0.0005		
5/11/2016					<0.0005		<0.0005	
5/12/2016								<0.0005
5/16/2016				<0.0005 (D)				
5/19/2016	<0.0005		<0.0005					
5/20/2016		<0.0005						
5/23/2016						<0.0005		
7/19/2016					<0.0005			
7/20/2016								<0.0005
7/21/2016							<0.0005	
7/27/2016				<0.0005 (D)				
7/29/2016	<0.0005	<0.0005	<0.0005			<0.0005		
9/15/2016					<0.0005		<0.0005	<0.0005
9/22/2016			<0.0005			<0.0005		
9/23/2016	<0.0005	<0.0005						
11/2/2016					<0.0005			
11/3/2016							<0.0005	<0.0005
11/9/2016	<0.0005	<0.0005						
11/10/2016			<0.0005			<0.0005		
1/17/2017							<0.0005	
1/18/2017					<0.0005			<0.0005
1/30/2017	<0.0005							
1/31/2017		<0.0005	<0.0005			<0.0005		
2/21/2017				<0.0005				
3/24/2017							<0.0005	<0.0005
3/27/2017				<0.0005 (D)				
3/28/2017					<0.0005			
3/30/2017	<0.0005	<0.0005				<0.0005		
4/3/2017			<0.0005					
5/24/2017							<0.0005	
6/6/2017								<0.0005
6/7/2017					<0.0005			
6/8/2017				<0.0005 (D)				
6/9/2017	<0.0005		<0.0005					
6/12/2017		<0.0005				<0.0005		
7/17/2017				<0.0005 (D)				
7/27/2017				<0.0005				
8/9/2017				<0.0005				
9/25/2017								<0.0005
9/26/2017					<0.0005		<0.0005	
9/29/2017				<0.0005 (D)				
10/2/2017	<0.0005	<0.0005	<0.0005					
10/4/2017						<0.0005		
3/14/2018					<0.0005		<0.0005	<0.0005
3/16/2018	<0.0005		<0.0005	<0.0005				
3/19/2018		<0.0005				<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-39RZ (bg)	GWA-39Z (bg)	GWA-3A (bg)	GWA-40 (bg)	GWA-41 (bg)
9/12/2018					<0.0005		3.8E-05 (J)	<0.0005
9/14/2018		<0.0005	<0.0005	4.1E-05 (J)				
9/17/2018	<0.0005 (D)					<0.0005		
3/13/2019							<0.0005	
3/14/2019				<0.0005				<0.0005
3/15/2019					<0.0005			
3/19/2019			<0.0005					
3/20/2019	<0.0005	<0.0005				<0.0005		
9/9/2019					<0.0005		<0.0005	
9/10/2019								<0.0005 (D)
9/12/2019	<0.0005	<0.0005 (D)						
9/13/2019			<0.0005			<0.0005		
3/6/2020								<0.0005
3/9/2020				<0.0005	<0.0005		<0.0005	
3/11/2020	<0.0005	<0.0005	<0.0005			<0.0005		
9/10/2020					<0.0005			<0.0005
9/11/2020							<0.0005	
9/15/2020	<0.0005	<0.0005	<0.0005					
9/16/2020				<0.0005				
3/10/2021							<0.0005	
3/11/2021								<0.0005
3/12/2021					<0.0005			
3/16/2021	<0.0005		<0.0005	<0.0005				
3/17/2021		<0.0005						
3/29/2021						<0.0005		
8/4/2021					0.00012 (J)		9.4E-05 (J)	9E-05 (J)
8/6/2021				<0.0005				
8/9/2021	<0.0005	<0.0005	<0.0005			<0.0005		
1/31/2022					<0.0005		<0.0005	<0.0005
2/1/2022	<0.0005	<0.0005	<0.0005					
2/2/2022				<0.0005		<0.0005		

Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
12/12/2008						<0.0005	<0.0005	
4/23/2009						<0.0005	<0.0005	
10/6/2009						<0.0005	<0.0005	
4/27/2010						<0.0005		
5/3/2010							<0.0005	
9/30/2010						<0.0005		
10/11/2010							<0.0005	
4/14/2011						<0.0005		
4/27/2011							<0.0005	
10/5/2011						<0.0005		
10/19/2011							<0.0005	
4/11/2012						<0.0005		
5/1/2012							<0.0005	
10/2/2012						<0.0005	<0.0005	
4/9/2013						<0.0005		
4/10/2013							<0.0005	
10/15/2013						<0.0005		
10/16/2013							<0.0005	
4/10/2014						<0.0005		
4/22/2014							<0.0005	
10/1/2014						<0.0005	<0.0005	
3/30/2015						2.02E-05 (J)	<0.0005	
10/11/2015						<0.0005	<0.0005	
3/10/2016								<0.0005
3/11/2016		<0.0005	<0.0005	<0.0005				
3/15/2016	<0.0005							
3/28/2016						<0.0005	<0.0005	
5/13/2016	<0.0005		<0.0005	<0.0005				
5/16/2016		<0.0005						
5/17/2016								<0.0005
5/23/2016						<0.0005		
5/25/2016							<0.0005	
7/19/2016			<0.0005	<0.0005				
7/21/2016	<0.0005							
7/22/2016		<0.0005						
7/27/2016								<0.0005
8/1/2016						<0.0005	<0.0005	
9/16/2016			<0.0005	<0.0005				
9/19/2016		<0.0005						
9/20/2016								<0.0005
9/21/2016	<0.0005							
9/26/2016						<0.0005	<0.0005	
11/2/2016			<0.0005	<0.0005				
11/3/2016	<0.0005	<0.0005						
11/4/2016								<0.0005
11/10/2016						<0.0005		
11/11/2016							<0.0005	
1/17/2017	<0.0005	<0.0005						
1/18/2017			<0.0005	<0.0005				
1/23/2017								<0.0005
1/30/2017						<0.0005	<0.0005	
2/22/2017					<0.0005			

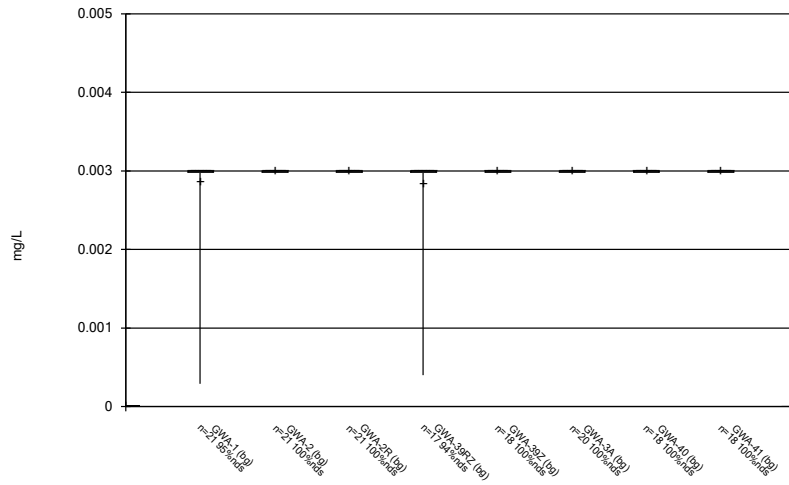
Time Series

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:04 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41R (bg)	GWA-42 (bg)	GWA-43 (bg)	GWA-43R (bg)	GWA-4RZ (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48
3/27/2017	<0.0005	<0.0005						
3/28/2017			<0.0005	<0.0005				<0.0005
4/3/2017							<0.0005	
4/7/2017					<0.0005	<0.0005		
6/6/2017	<0.0005		<0.0005	<0.0005				
6/7/2017		<0.0005						
6/8/2017								<0.0005
6/12/2017						<0.0005	<0.0005	
6/14/2017					0.000161 (JD)			
7/12/2017					<0.0005 (D)			
7/20/2017					<0.0005 (D)			
7/28/2017					<0.0005			
8/9/2017					<0.0005			
8/24/2017					<0.0005			
9/22/2017			<0.0005	<0.0005				
9/25/2017	<0.0005							
9/26/2017		<0.0005						
9/29/2017								<0.0005
10/2/2017						<0.0005	<0.0005	
10/3/2017					<0.0005 (D)			
3/14/2018	<0.0005	<0.0005	<0.0005					
3/15/2018				<0.0005				<0.0005
3/16/2018						<0.0005	<0.0005	
3/21/2018					<0.0005			
9/12/2018	<0.0005		<0.0005	3.9E-05 (J)				
9/13/2018								6.2E-05 (J)
9/14/2018		3.8E-05 (J)						
9/17/2018						<0.0005		
9/18/2018					<0.0005		<0.0005	
3/13/2019			<0.0005	<0.0005				
3/14/2019	<0.0005	<0.0005						
3/15/2019								<0.0005
3/19/2019						<0.0005	<0.0005	
3/21/2019					<0.0005 (D)			
9/10/2019	<0.0005	<0.0005						
9/11/2019			<0.0005	<0.0005				<0.0005 (D)
9/12/2019					<0.0005 (D)		<0.0005	
9/13/2019						<0.0005		
3/6/2020		<0.0005						
3/9/2020	<0.0005		<0.0005	<0.0005				<0.0005
3/11/2020						<0.0005	<0.0005	
3/12/2020					<0.0005			
9/10/2020	<0.0005	<0.0005						
9/11/2020			<0.0005					
9/14/2020				<0.0005				0.00015 (J)
9/15/2020							<0.0005	
9/16/2020						<0.0005		
9/17/2020					<0.0005			
3/10/2021	<0.0005							
3/11/2021		<0.0005	<0.0005	<0.0005				0.0002 (J)
3/16/2021					<0.0005			
3/17/2021						<0.0005	<0.0005	

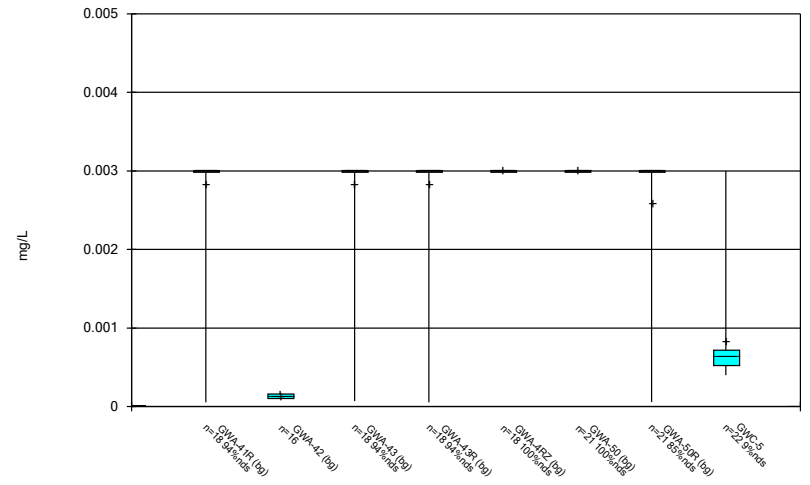
FIGURE T.

Box & Whiskers Plot



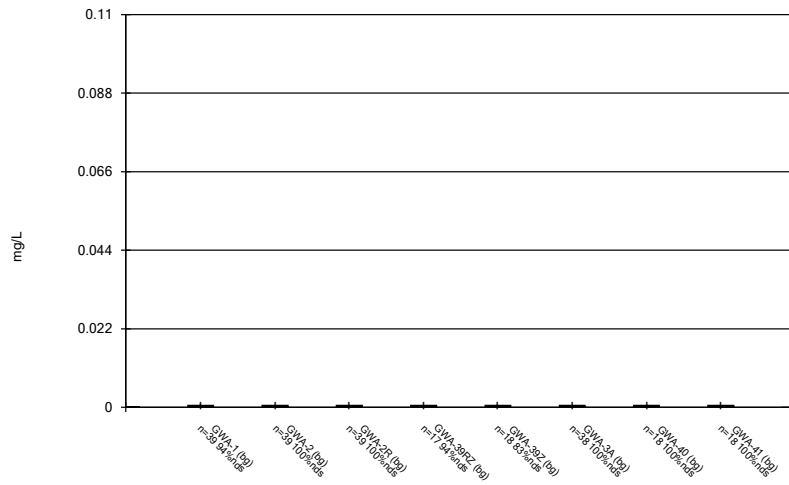
Constituent: Beryllium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



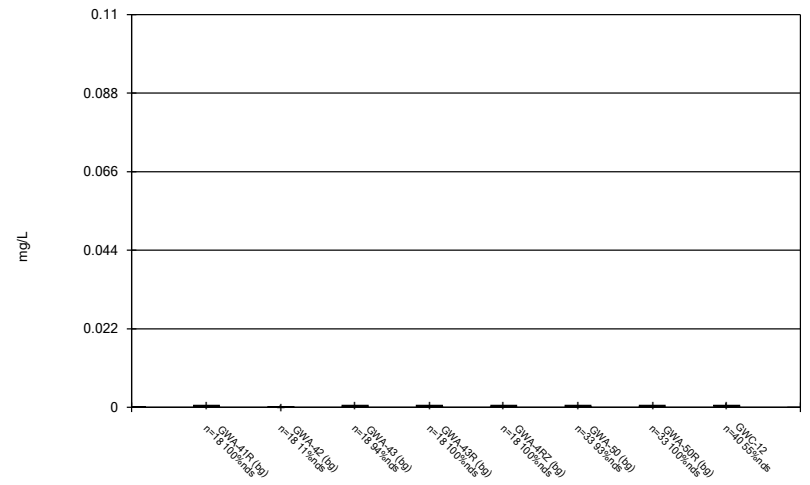
Constituent: Beryllium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



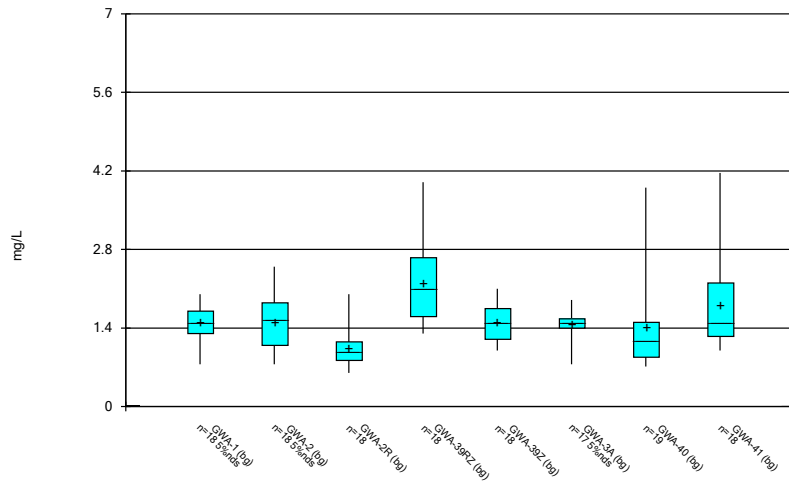
Constituent: Cadmium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



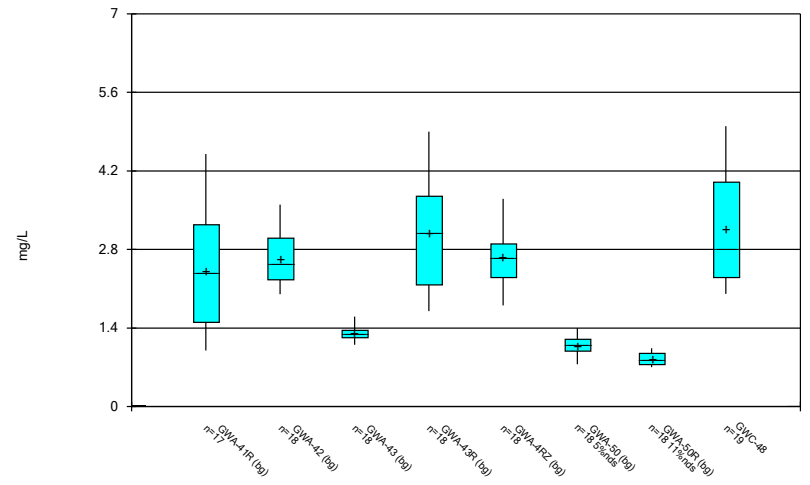
Constituent: Cadmium Analysis Run 9/15/2022 4:02 PM View: Resample Reports
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



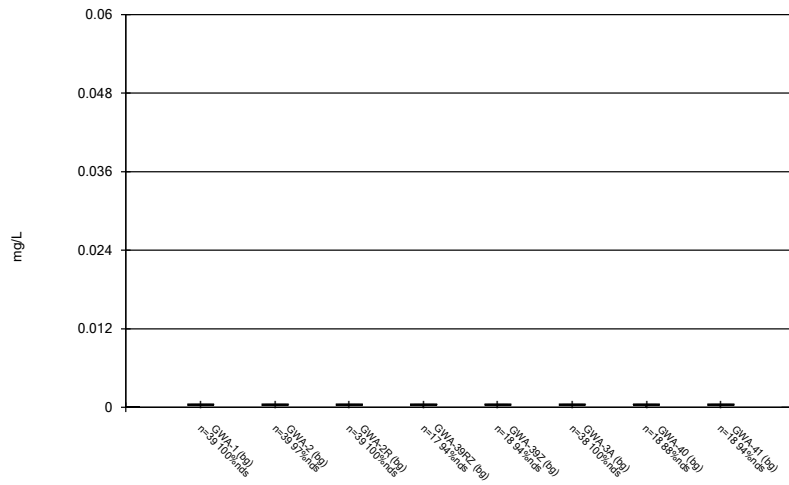
Constituent: Chloride, Total Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



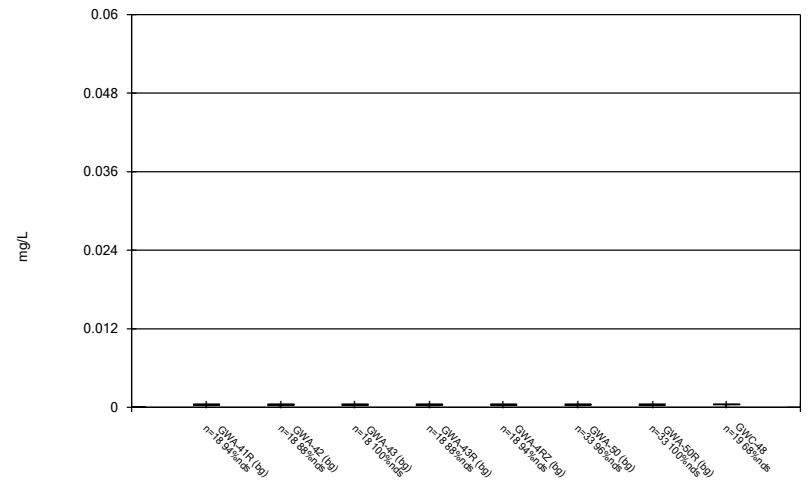
Constituent: Chloride, Total Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Mercury Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Box & Whiskers Plot



Constituent: Mercury Analysis Run 9/15/2022 4:02 PM View: Resample Reports
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

FIGURE U.

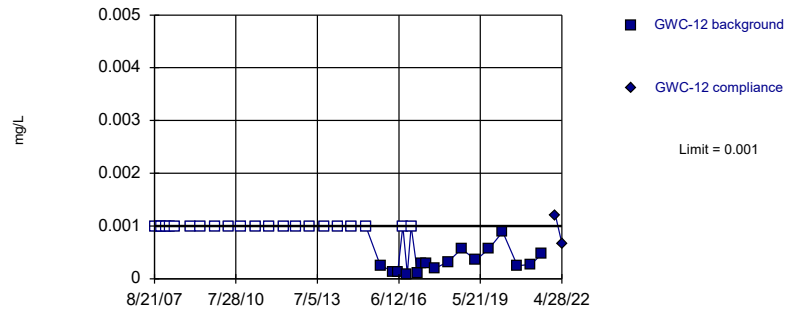
Appendix I Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:26 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-12	0.001	n/a	4/28/2022	0.00067	No	38	n/a	n/a	57.89	n/a	n/a	0.001294	NP Intra (NDs) 1 of 2

Within Limit

Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 38 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.002586. Individual comparison alpha = 0.001294 (1 of 2).

Constituent: Cadmium Analysis Run 9/15/2022 4:25 PM View: Appendix I Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/15/2022 4:26 PM View: Appendix I Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-12	GWC-12
8/21/2007	<0.001	
11/1/2007	<0.001	
11/19/2007	<0.001	
1/16/2008	<0.001	
3/5/2008	<0.001	
5/13/2008	<0.001	
12/13/2008	<0.001	
4/16/2009	<0.001	
10/21/2009	<0.001	
4/27/2010	<0.001	
10/5/2010	<0.001	
4/19/2011	<0.001	
10/12/2011	<0.001	
4/24/2012	<0.001	
10/2/2012	<0.001	
4/2/2013	<0.001	
10/9/2013	<0.001	
4/1/2014	<0.001	
10/2/2014	<0.001	
4/1/2015	<0.001	
10/14/2015	0.00025 (J)	
4/4/2016	0.000136 (J)	
5/27/2016	0.000131 (J)	
8/3/2016	<0.001	
9/30/2016	9E-05 (J)	
11/22/2016	<0.001	
2/13/2017	0.0001 (J)	
4/11/2017	0.0003 (J)	
6/14/2017	0.0003 (J)	
10/4/2017	0.0002 (J)	
3/22/2018	0.00032 (J)	
9/18/2018	0.00057 (J)	
3/23/2019	0.00035 (J)	
9/17/2019	0.000575 (JD)	
3/12/2020	0.00089 (J)	
9/21/2020	0.00025 (J)	
3/19/2021	0.00027 (J)	
8/11/2021	0.00048 (J)	
2/2/2022		0.0012
4/28/2022		0.00067

FIGURE V.

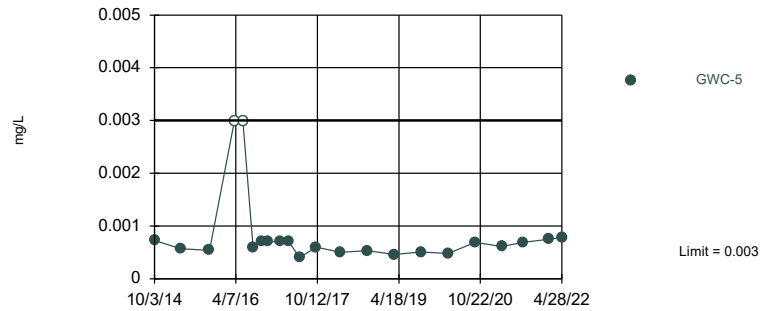
Appendix I Interwell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:06 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-5	0.003	n/a	4/28/2022	0.00078	No	284	n/a	n/a	91.55	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2
Mercury (mg/L)	GWC-48	0.0005	n/a	4/28/2022	0.0004	No	382	n/a	n/a	96.6	n/a	n/a	0.00004896	NP Inter (NDs) 1 of 2

Within Limit

Prediction Limit
 Interwell Non-parametric

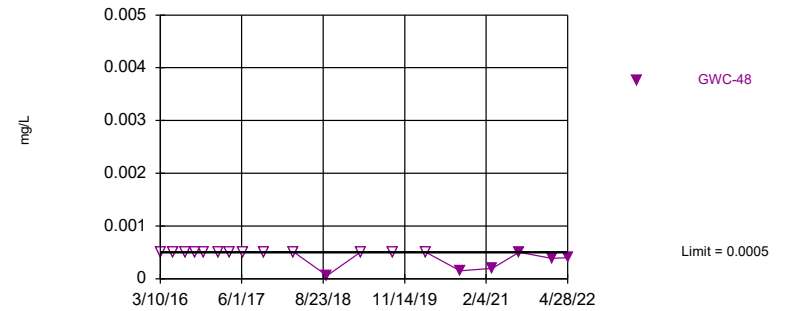


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 284 background values. 91.55% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Beryllium Analysis Run 9/15/2022 4:05 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Within Limit

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 382 background values. 96.6% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Assumes 25 future values.

Constituent: Mercury Analysis Run 9/15/2022 4:05 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWA-3A (bg)	GWA-43 (bg)	GWA-43R (bg)
9/30/2014	<0.003	<0.003	<0.003						
10/1/2014				<0.003	<0.003				
10/3/2014						0.00073 (J)			
10/4/2014							<0.003		
3/30/2015	0.00029 (J)	<0.003	<0.003	0.0002 (J)	<0.003				
3/31/2015						0.00057 (J)	<0.003		
10/11/2015				<0.003	<0.003				
10/12/2015						0.00054 (J)	<0.003		
10/13/2015	<0.003	<0.003	<0.003						
3/11/2016								<0.003	<0.003
3/14/2016									
3/15/2016									
3/22/2016	<0.003								
3/23/2016		<0.003	<0.003				<0.003		
3/28/2016				<0.003	<0.003	<0.003			
5/11/2016									
5/12/2016									
5/13/2016								<0.003	<0.003
5/16/2016									
5/19/2016	<0.003		<0.003						
5/20/2016		<0.003							
5/23/2016					<0.003		<0.003		
5/25/2016				<0.003		<0.003			
7/19/2016							<0.003	<0.003	
7/20/2016									
7/21/2016									
7/22/2016									
7/27/2016									
7/29/2016	<0.003	<0.003	<0.003				<0.003		
8/1/2016				<0.003	<0.003	0.0006 (J)			
9/15/2016									
9/16/2016							<0.003	<0.003	
9/19/2016									
9/21/2016									
9/22/2016			<0.003				<0.003		
9/23/2016	<0.003	<0.003							
9/26/2016				<0.003	<0.003				
9/27/2016						0.0007 (J)			
11/2/2016							<0.003	<0.003	
11/3/2016									
11/9/2016	<0.003	<0.003							
11/10/2016			<0.003		<0.003		<0.003		
11/11/2016				<0.003		0.0007 (J)			
1/17/2017									
1/18/2017							<0.003	<0.003	
1/30/2017	<0.003			<0.003	<0.003				
1/31/2017		<0.003	<0.003			0.0007 (J)	<0.003		
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017							<0.003	<0.003	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWA-3A (bg)	GWA-43 (bg)	GWA-43R (bg)
3/30/2017	<0.003	<0.003					<0.003		
4/3/2017			<0.003	<0.003		0.0007 (J)			
4/7/2017					<0.003				
5/24/2017									
6/6/2017								<0.003	<0.003
6/7/2017									
6/8/2017									
6/9/2017	<0.003		<0.003						
6/12/2017		<0.003		<0.003	<0.003	0.0004 (J)	<0.003		
6/14/2017									
7/12/2017									
7/17/2017									
7/20/2017									
7/27/2017									
7/28/2017									
8/9/2017									
8/24/2017									
9/22/2017								<0.003	<0.003
9/25/2017									
9/26/2017									
9/29/2017									
10/2/2017	<0.003	<0.003	<0.003	<0.003	<0.003				
10/3/2017						0.0006 (J)			
10/4/2017							<0.003		
3/14/2018								<0.003	
3/15/2018									5.1E-05 (J)
3/16/2018	<0.003		<0.003	<0.003	<0.003				
3/19/2018		<0.003				0.0005 (J)	<0.003		
3/21/2018									
9/12/2018								<0.003	<0.003
9/14/2018		<0.003	<0.003						
9/17/2018	<0.003 (D)				<0.003	0.00053 (J)	<0.003		
9/18/2018				<0.003					
3/13/2019								<0.003	<0.003
3/14/2019									
3/15/2019									
3/19/2019			<0.003	<0.003	<0.003				
3/20/2019	<0.003	<0.003				0.00046 (J)	<0.003		
3/21/2019									
9/9/2019									
9/10/2019									
9/11/2019								<0.003	<0.003
9/12/2019	<0.003	<0.003 (D)		<0.003					
9/13/2019			<0.003		<0.003		<0.003		
9/16/2019						0.00051 (J)			
3/6/2020									
3/9/2020								<0.003	<0.003
3/11/2020	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003		
3/12/2020									
3/16/2020						0.00048 (J)			
9/10/2020									
9/11/2020								6.9E-05 (J)	

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-2 (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWA-3A (bg)	GWA-43 (bg)	GWA-43R (bg)
9/14/2020									<0.003
9/15/2020	<0.003	<0.003	<0.003	8.5E-05 (J)					
9/16/2020					<0.003	0.00069 (J)			
9/17/2020									
3/10/2021									
3/11/2021								<0.003	<0.003
3/12/2021									
3/16/2021	<0.003		<0.003						
3/17/2021		<0.003		<0.003	<0.003	0.00061			
3/29/2021							<0.003		
8/4/2021									
8/5/2021									<0.003
8/6/2021								<0.003	
8/9/2021	<0.003	<0.003	<0.003	<0.003	<0.003	0.00069	<0.003		
8/10/2021									
1/31/2022								<0.003	<0.003
2/1/2022	<0.003	<0.003	<0.003		<0.003				
2/2/2022				5.5E-05 (J)		0.00075	<0.003		
2/3/2022									
4/28/2022						0.00078			

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-42 (bg)	GWA-4RZ (bg)
9/30/2014							
10/1/2014							
10/3/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/11/2016						<0.005 (O)	
3/14/2016	<0.003						
3/15/2016		<0.003	<0.003	<0.003			
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016	<0.003	<0.003					
5/12/2016				<0.003			
5/13/2016			<0.003				
5/16/2016					<0.003 (D)	<0.003 (O)	
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	<0.003						
7/20/2016				<0.003			
7/21/2016		<0.003	<0.003				
7/22/2016						0.0002 (J)	
7/27/2016					0.0004 (JD)		
7/29/2016							
8/1/2016							
9/15/2016	<0.003	<0.003		<0.003			
9/16/2016							
9/19/2016						0.0001 (J)	
9/21/2016			<0.003				
9/22/2016							
9/23/2016							
9/26/2016							
9/27/2016							
11/2/2016	<0.003						
11/3/2016		<0.003	<0.003	<0.003		0.0002 (J)	
11/9/2016							
11/10/2016							
11/11/2016							
1/17/2017		<0.003	<0.003			0.0001 (J)	
1/18/2017	<0.003			<0.003			
1/30/2017							
1/31/2017							
2/21/2017					<0.003		
2/22/2017							<0.003
3/24/2017		<0.003		<0.003			
3/27/2017			<0.003		<0.003 (D)	0.0001 (J)	
3/28/2017	<0.003						

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-42 (bg)	GWA-4RZ (bg)
3/30/2017							
4/3/2017							
4/7/2017							<0.003
5/24/2017		<0.003					
6/6/2017			<0.003	<0.003			
6/7/2017	<0.003					0.0001 (J)	
6/8/2017					<0.003 (D)		
6/9/2017							
6/12/2017							
6/14/2017							<0.003 (D)
7/12/2017							<0.003 (D)
7/17/2017					<0.003 (D)		
7/20/2017							<0.003 (D)
7/27/2017					<0.003		
7/28/2017							<0.003
8/9/2017					<0.003		<0.003
8/24/2017							<0.003
9/22/2017							
9/25/2017			<0.003	<0.003			
9/26/2017	<0.003	<0.003				0.0001 (J)	
9/29/2017					<0.003 (D)		
10/2/2017							
10/3/2017							<0.003 (D)
10/4/2017							
3/14/2018	<0.003	<0.003	<0.003	<0.003		0.00014 (J)	
3/15/2018							
3/16/2018					<0.003		
3/19/2018							
3/21/2018							<0.003
9/12/2018	<0.003	<0.003	<0.003	<0.003			
9/14/2018					<0.003	0.00012 (J)	
9/17/2018							
9/18/2018							<0.003
3/13/2019		<0.003					
3/14/2019			5.2E-05 (J)	<0.003	<0.003	0.00017 (J)	
3/15/2019	<0.003						
3/19/2019							
3/20/2019							
3/21/2019							<0.003 (D)
9/9/2019	<0.003	<0.003					
9/10/2019			<0.003	<0.003 (D)		0.00015 (J)	
9/11/2019							
9/12/2019							<0.003 (D)
9/13/2019							
9/16/2019							
3/6/2020				<0.003		0.00017 (J)	
3/9/2020	<0.003	<0.003	<0.003		<0.003		
3/11/2020							
3/12/2020							<0.003
3/16/2020							
9/10/2020	<0.003		<0.003	<0.003		0.00014 (J)	
9/11/2020		<0.003					

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-39Z (bg)	GWA-40 (bg)	GWA-41R (bg)	GWA-41 (bg)	GWA-39RZ (bg)	GWA-42 (bg)	GWA-4RZ (bg)
9/14/2020							
9/15/2020							
9/16/2020					<0.003		
9/17/2020							<0.003
3/10/2021		<0.003	<0.003				
3/11/2021				<0.003		0.00015 (J)	
3/12/2021	<0.003						
3/16/2021					<0.003		<0.003
3/17/2021							
3/29/2021							
8/4/2021	<0.003	<0.003	<0.003	<0.003		0.00012 (J)	
8/5/2021							
8/6/2021					<0.003		
8/9/2021							
8/10/2021							<0.003
1/31/2022	<0.003	<0.003	<0.003	<0.003		0.00014 (J)	
2/1/2022							
2/2/2022					<0.003		
2/3/2022							<0.003
4/28/2022							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-42 (bg)	GWA-43 (bg)
8/23/2007	<0.0005	<0.0005	<0.0005	<0.0005					
10/23/2007	<0.0005								
10/24/2007			<0.0005	<0.0005					
11/2/2007		<0.0005							
11/18/2007	<0.0005	<0.0005	<0.0005	<0.0005					
1/30/2008	<0.0005								
1/31/2008		<0.0005	<0.0005	<0.0005					
3/10/2008	<0.0005		<0.0005						
3/11/2008		<0.0005		<0.0005					
5/6/2008				0.000175					
5/13/2008	<0.0005		<0.0005						
5/14/2008		<0.0005							
12/4/2008			<0.0005	<0.0005					
12/5/2008	<0.0005	<0.0005							
12/12/2008					<0.0005	<0.0005			
4/15/2009	<0.0005	<0.0005							
4/21/2009			<0.0005	<0.0005					
4/23/2009					<0.0005	<0.0005			
10/6/2009					<0.0005	<0.0005			
10/7/2009	<0.0005			<0.0005					
10/8/2009		<0.0005	<0.0005						
4/21/2010			<0.0005						
4/26/2010				<0.0005					
4/27/2010					<0.0005				
4/28/2010		<0.0005							
5/3/2010	<0.0005							<0.0005	
9/28/2010			<0.0005						
9/30/2010					<0.0005				
10/4/2010				<0.0005					
10/6/2010		<0.0005							
10/11/2010								<0.0005	
10/12/2010	<0.0005								
4/12/2011			<0.0005						
4/13/2011				<0.0005					
4/14/2011					<0.0005				
4/21/2011		<0.0005							
4/27/2011	<0.0005							<0.0005	
10/4/2011			<0.0005						
10/5/2011				<0.0005	<0.0005				
10/13/2011		<0.0005							
10/17/2011	<0.0005								
10/19/2011								<0.0005	
4/3/2012			<0.0005						
4/11/2012				<0.0005	<0.0005				
5/1/2012		<0.0005						<0.0005	
5/2/2012	<0.0005								
10/2/2012					<0.0005	<0.0005			
10/8/2012	<0.0005								
10/9/2012		<0.0005	<0.0005	<0.0005					
4/9/2013					<0.0005				
4/10/2013								<0.0005	
4/11/2013		<0.0005	<0.0005						

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-42 (bg)	GWA-43 (bg)
4/12/2013	<0.0005								
4/15/2013				<0.0005					
10/15/2013				<0.0005	<0.0005				
10/16/2013	<0.0005	<0.0005	<0.0005			<0.0005			
4/10/2014			<0.0005		<0.0005				
4/11/2014	<0.0005								
4/22/2014				<0.0005		<0.0005			
4/23/2014		<0.0005							
9/30/2014	<0.0005		<0.0005	<0.0005					
10/1/2014					<0.0005	<0.0005			
10/4/2014		<0.0005							
3/30/2015	<0.0005		<0.0005	<0.0005	2.02E-05 (J)	<0.0005			
3/31/2015		<0.0005							
10/11/2015					<0.0005	<0.0005			
10/12/2015		<0.0005							
10/13/2015	<0.0005		<0.0005	<0.0005					
3/10/2016							<0.0005		
3/11/2016								<0.0005	<0.0005
3/14/2016									
3/15/2016									
3/22/2016	<0.0005								
3/23/2016		<0.0005	<0.0005	<0.0005					
3/28/2016					<0.0005	<0.0005			
5/11/2016									
5/12/2016									
5/13/2016									<0.0005
5/16/2016								<0.0005	
5/17/2016							<0.0005		
5/19/2016	<0.0005		<0.0005						
5/20/2016				<0.0005					
5/23/2016		<0.0005			<0.0005				
5/25/2016						<0.0005			
7/19/2016									<0.0005
7/20/2016									
7/21/2016									
7/22/2016								<0.0005	
7/27/2016							<0.0005		
7/29/2016	<0.0005	<0.0005	<0.0005	<0.0005					
8/1/2016					<0.0005	<0.0005			
9/15/2016									
9/16/2016									<0.0005
9/19/2016								<0.0005	
9/20/2016							<0.0005		
9/21/2016									
9/22/2016		<0.0005	<0.0005						
9/23/2016	<0.0005			<0.0005					
9/26/2016					<0.0005	<0.0005			
11/2/2016									<0.0005
11/3/2016								<0.0005	
11/4/2016							<0.0005		
11/9/2016	<0.0005			<0.0005					
11/10/2016		<0.0005	<0.0005		<0.0005				

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-1 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-2 (bg)	GWA-50 (bg)	GWA-50R (bg)	GWC-48	GWA-42 (bg)	GWA-43 (bg)
9/10/2019								<0.0005	
9/11/2019							<0.0005 (D)		<0.0005
9/12/2019	<0.0005			<0.0005 (D)		<0.0005			
9/13/2019		<0.0005	<0.0005		<0.0005				
3/6/2020								<0.0005	
3/9/2020							<0.0005		<0.0005
3/11/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/12/2020									
9/10/2020								<0.0005	
9/11/2020									<0.0005
9/14/2020							0.00015 (J)		
9/15/2020	<0.0005		<0.0005	<0.0005		<0.0005			
9/16/2020					<0.0005				
9/17/2020									
3/10/2021									
3/11/2021							0.0002 (J)	<0.0005	<0.0005
3/12/2021									
3/16/2021	<0.0005		<0.0005						
3/17/2021				<0.0005	<0.0005	<0.0005			
3/29/2021		<0.0005							
8/4/2021							0.0005	8E-05 (J)	
8/5/2021									
8/6/2021									<0.0005
8/9/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
8/10/2021									
1/31/2022							0.00039	<0.0005	<0.0005
2/1/2022	<0.0005		<0.0005	<0.0005	<0.0005				
2/2/2022		<0.0005				<0.0005			
2/3/2022									
4/28/2022							0.0004		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

GWA-43R (bg) GWA-39Z (bg) GWA-41 (bg) GWA-41R (bg) GWA-40 (bg) GWA-39RZ (bg) GWA-4RZ (bg)

8/23/2007
10/23/2007
10/24/2007
11/2/2007
11/18/2007
1/30/2008
1/31/2008
3/10/2008
3/11/2008
5/6/2008
5/13/2008
5/14/2008
12/4/2008
12/5/2008
12/12/2008
4/15/2009
4/21/2009
4/23/2009
10/6/2009
10/7/2009
10/8/2009
4/21/2010
4/26/2010
4/27/2010
4/28/2010
5/3/2010
9/28/2010
9/30/2010
10/4/2010
10/6/2010
10/11/2010
10/12/2010
4/12/2011
4/13/2011
4/14/2011
4/21/2011
4/27/2011
10/4/2011
10/5/2011
10/13/2011
10/17/2011
10/19/2011
4/3/2012
4/11/2012
5/1/2012
5/2/2012
10/2/2012
10/8/2012
10/9/2012
4/9/2013
4/10/2013
4/11/2013

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
4/12/2013							
4/15/2013							
10/15/2013							
10/16/2013							
4/10/2014							
4/11/2014							
4/22/2014							
4/23/2014							
9/30/2014							
10/1/2014							
10/4/2014							
3/30/2015							
3/31/2015							
10/11/2015							
10/12/2015							
10/13/2015							
3/10/2016							
3/11/2016	<0.0005						
3/14/2016		<0.0005					
3/15/2016			<0.0005	<0.0005	<0.0005		
3/22/2016							
3/23/2016							
3/28/2016							
5/11/2016		<0.0005			<0.0005		
5/12/2016			<0.0005				
5/13/2016	<0.0005			<0.0005			
5/16/2016						<0.0005 (D)	
5/17/2016							
5/19/2016							
5/20/2016							
5/23/2016							
5/25/2016							
7/19/2016	<0.0005	<0.0005					
7/20/2016			<0.0005				
7/21/2016				<0.0005	<0.0005		
7/22/2016							
7/27/2016						<0.0005 (D)	
7/29/2016							
8/1/2016							
9/15/2016		<0.0005	<0.0005		<0.0005		
9/16/2016	<0.0005						
9/19/2016							
9/20/2016							
9/21/2016				<0.0005			
9/22/2016							
9/23/2016							
9/26/2016							
11/2/2016	<0.0005	<0.0005					
11/3/2016			<0.0005	<0.0005	<0.0005		
11/4/2016							
11/9/2016							
11/10/2016							

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
11/11/2016							
1/17/2017				<0.0005	<0.0005		
1/18/2017	<0.0005	<0.0005	<0.0005				
1/23/2017							
1/30/2017							
1/31/2017							
2/21/2017						<0.0005	
2/22/2017							<0.0005
3/24/2017			<0.0005		<0.0005		
3/27/2017				<0.0005		<0.0005 (D)	
3/28/2017	<0.0005	<0.0005					
3/30/2017							
4/3/2017							
4/7/2017							<0.0005
5/24/2017					<0.0005		
6/6/2017	<0.0005		<0.0005	<0.0005			
6/7/2017		<0.0005					
6/8/2017						<0.0005 (D)	
6/9/2017							
6/12/2017							
6/14/2017							0.000286 (JD)
7/12/2017							<0.0005 (D)
7/17/2017						<0.0005 (D)	
7/20/2017							<0.0005 (D)
7/27/2017						<0.0005	
7/28/2017							<0.0005
8/9/2017						<0.0005	<0.0005
8/24/2017							<0.0005
9/22/2017	<0.0005						
9/25/2017			<0.0005	<0.0005			
9/26/2017		<0.0005			<0.0005		
9/29/2017						<0.0005 (D)	
10/2/2017							
10/3/2017							<0.0005 (D)
10/4/2017							
3/14/2018		<0.0005	<0.0005	<0.0005	<0.0005		
3/15/2018	<0.0005						
3/16/2018						<0.0005	
3/19/2018							
3/21/2018							<0.0005
9/12/2018	3.9E-05 (J)	<0.0005	<0.0005	<0.0005	3.8E-05 (J)		
9/13/2018							
9/14/2018						4.1E-05 (J)	
9/17/2018							
9/18/2018							<0.0005
3/13/2019	<0.0005				<0.0005		
3/14/2019			<0.0005	<0.0005		<0.0005	
3/15/2019		<0.0005					
3/19/2019							
3/20/2019							
3/21/2019							<0.0005 (D)
9/9/2019		<0.0005			<0.0005		

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 9/15/2022 4:06 PM View: Appendix I Interwell - Resample
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-43R (bg)	GWA-39Z (bg)	GWA-41 (bg)	GWA-41R (bg)	GWA-40 (bg)	GWA-39RZ (bg)	GWA-4RZ (bg)
9/10/2019			<0.0005 (D)	<0.0005			
9/11/2019	<0.0005						
9/12/2019							<0.0005 (D)
9/13/2019							
3/6/2020			<0.0005				
3/9/2020	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005	
3/11/2020							
3/12/2020							<0.0005
9/10/2020		<0.0005	<0.0005	<0.0005			
9/11/2020					<0.0005		
9/14/2020	<0.0005						
9/15/2020							
9/16/2020						<0.0005	
9/17/2020							<0.0005
3/10/2021				<0.0005	<0.0005		
3/11/2021	<0.0005		<0.0005				
3/12/2021		<0.0005					
3/16/2021						<0.0005	<0.0005
3/17/2021							
3/29/2021							
8/4/2021		0.00012 (J)	9E-05 (J)	9.4E-05 (J)	9.4E-05 (J)		
8/5/2021	9.6E-05 (J)						
8/6/2021						<0.0005	
8/9/2021							
8/10/2021							<0.0005
1/31/2022	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		
2/1/2022							
2/2/2022						<0.0005	
2/3/2022							<0.0005
4/28/2022							

FIGURE W.

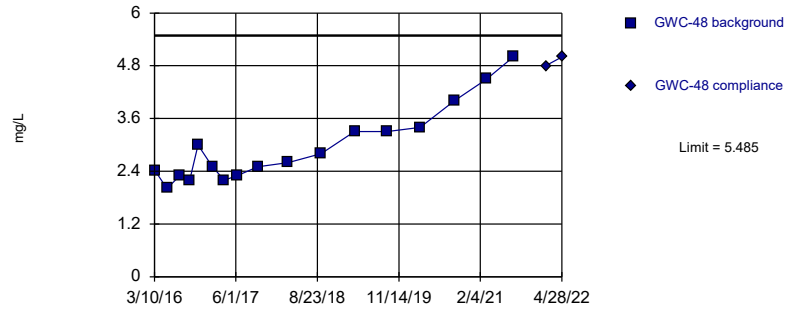
Appendix III Intrawell Prediction Limits - Resample Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 9/15/2022, 4:08 PM

<u>Constituent</u>	<u>Well</u>	<u>Upper Lim.</u>	<u>Lower Lim.</u>	<u>Date</u>	<u>Observ.</u>	<u>Sig.</u>	<u>Bg.N</u>	<u>Bg Mean</u>	<u>Std. Dev.</u>	<u>%NDs</u>	<u>ND Adj.</u>	<u>Transform</u>	<u>Alpha</u>	<u>Method</u>
Chloride, Total (mg/L)	GWC-48	5.485	n/a	4/28/2022	5	No	17	1.705	0.2373	0	None	sqrt(x)	0.0002894	Param Intra 1 of 2

Within Limit

Prediction Limit
Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=1.705, Std. Dev.=0.2373, n=17. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8997, critical = 0.892. Kappa = 2.683 (c=7, w=26, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002894.

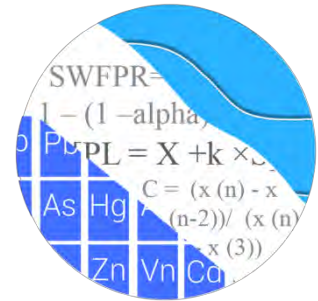
Constituent: Chloride, Total Analysis Run 9/15/2022 4:07 PM View: Appendix III Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 9/15/2022 4:08 PM View: Appendix III Intrawell - Resample
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-48
3/10/2016	2.4266	
5/17/2016	2.01	
7/27/2016	2.3	
9/20/2016	2.2	
11/4/2016	3	
1/23/2017	2.5	
3/28/2017	2.2	
6/8/2017	2.3	
9/29/2017	2.5	
3/15/2018	2.6	
9/13/2018	2.8	
3/15/2019	3.3	
9/11/2019	3.3	
3/9/2020	3.4	
9/14/2020	4	
3/11/2021	4.5	
8/4/2021	5	
1/31/2022		4.8
4/28/2022		5

GROUNDWATER STATS CONSULTING



October 24, 2022

Southern Company Services
Attn: Mr. Joju Abraham
241 Ralph McGill Blvd. NE, Bin 10160
Atlanta, Georgia 30308-3374

Re: Plant Bowen Landfill Cells 1, 2, 9, and 10
Addendum – February 2022 Sample Event

Dear Mr. Abraham,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the addendum report for the February 2022 sample event for Georgia Power Company's Plant Bowen Landfill Cells 1, 2, 9, and 10. The analysis complies with the United States Environmental Protection Agency (USEPA) Coal Combustion Residuals (CCR) Rule 40 Code of Federal Regulations (CFR) 257 Subpart D, the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10 and follows the USEPA Unified Guidance (2009).

Semi-annual sampling is conducted for USEPA's CCR Appendix III parameters, in addition to 16 parameters in accordance with the Georgia EPD's Solid Waste Permit. The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-2R, GWA-3A GWA-4RZ, GWA-39RZ, GWA-39Z, GWA-40, GWA-41, GWA-41R, GWA-42, GWA-43, GWA-43R, GWA-50R, and GWA-50
- **Downgradient wells:** GWC-5, GWC-6, GWC-6RZ, GWC-7Z, GWC-8RR, GWC-8Z, GWC-9, GWC-10, GWC-10R, GWC-11, GWC-11R, GWC-12, GWC-13, GWC-13RZ, GWC-14Z, GWC-15R, GWC-15Z, GWC-44, GWC-45, GWC-45R, GWC-46R, GWC-47, GWC-47R, GWC-48, GWC-49R, and GWC-49Z

Note that well GWA-3 was replaced with GWA-3A, which was first sampled in March 2021. As requested, data from well GWA-3 have been combined with data from replacement well GWA-3A.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by and Kristina Rayner, Founder and Senior Statistician to Groundwater Stats Consulting. The analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting and primary author of the USEPA Unified Guidance.

The following constituents are evaluated:

- **CCR Appendix III:** chloride and pH

Note that the terms “parameters” and “constituents” are interchangeable throughout this report.

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves are provided to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. A few well/constituent pairs have a limited background data set with a minimum of 11 observations due either to sampling or truncation of background date ranges. As more samples are collected, these well/constituent pairs will meet the minimum power requirements. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following statistical methods:

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Interwell Prediction Limits with 1-of-2 resample plan – (chloride and pH)
- # Constituents: 7
- # Downgradient wells: 26

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of

data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits. Non-detects are handled as follows:

- No statistical analyses are required on wells and analytes containing 100% non-detects.
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may be re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, the earlier portion of data are deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs. impact to groundwater quality downgradient of the facility.

Evaluation of CCR Appendix III Parameters – January/February 2022

Interwell Prediction Limits

For chloride and pH, interwell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical upgradient well data through January/February 2022. Nonparametric prediction limits were constructed as the background data for chloride and pH did not follow a normal or transformed-normal distributed when tested using the Chi-Squared normality test. Results and a summary table follow this report. The January/February 2022 sample from each downgradient well was compared to the background limit to determine whether exceedances over background are present. Exceedances were identified for the following downgradient well/constituent pairs:

- Chloride: GWC-13RZ
- pH (upper limit): GWC-8RR and GWC-8Z
- pH (lower limit): GWC-9, GWC-44, GWC-45, GWC-48, and GWC-49Z

Summary

Based on the results of the Appendix III constituents requiring interwell prediction limits, the following apparent exceedances were identified:

Appendix III Interwell


- Chloride: GWC-13RZ
- pH (upper limit): GWC-8RR and GWC-8Z
- pH (lower limit): GWC-9, GWC-44, GWC-45, GWC-48, and GWC-49Z

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Bowen Landfill Cells 1, 2, 9 and 10. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins
Project Manager



Kristina L. Rayner
Senior Statistician

Appendix III Interwell Prediction Limit - Significant Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 10/20/2022, 12:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-13RZ	4.9	n/a	2/4/2022	6.1	Yes	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	5.07	1/31/2022	4.78	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	5.07	2/1/2022	4.88	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	5.07	1/31/2022	4.86	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	5.07	2/1/2022	5	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	5.07	2/2/2022	8.13	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	5.07	2/2/2022	8.92	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	5.07	2/2/2022	4.81	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

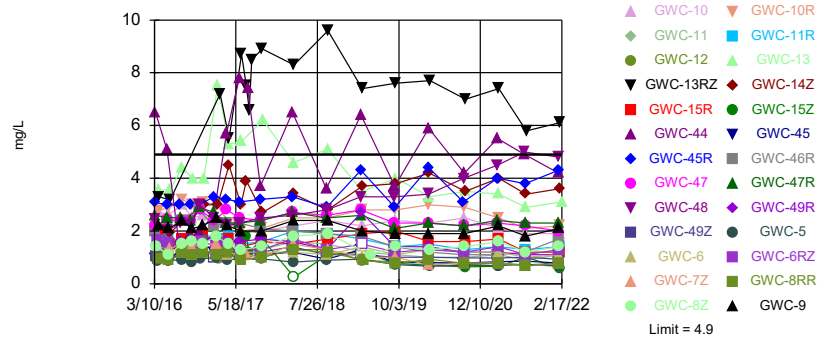
Appendix III Interwell Prediction Limit - All Results

Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10 Printed 10/20/2022, 12:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride, Total (mg/L)	GWC-10	4.9	n/a	2/4/2022	1.9	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10R	4.9	n/a	2/4/2022	2.2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	4.9	n/a	2/4/2022	1.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11R	4.9	n/a	2/4/2022	1.4	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	4.9	n/a	2/2/2022	0.79J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	4.9	n/a	2/17/2022	3.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13RZ	4.9	n/a	2/4/2022	6.1	Yes	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-14Z	4.9	n/a	2/4/2022	3.6	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15R	4.9	n/a	2/4/2022	1.2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-15Z	4.9	n/a	2/7/2022	0.6J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-44	4.9	n/a	1/31/2022	4.2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45	4.9	n/a	2/1/2022	0.79J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-45R	4.9	n/a	2/1/2022	4.3	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-46R	4.9	n/a	1/31/2022	1.7	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47	4.9	n/a	2/1/2022	2	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-47R	4.9	n/a	2/1/2022	2.3	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-48	4.9	n/a	1/31/2022	4.8	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49R	4.9	n/a	2/1/2022	1.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-49Z	4.9	n/a	2/1/2022	0.93J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	4.9	n/a	2/2/2022	0.66J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	4.9	n/a	2/2/2022	1.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6RZ	4.9	n/a	2/2/2022	1.3	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7Z	4.9	n/a	2/2/2022	0.76J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8RR	4.9	n/a	2/2/2022	0.77J	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8Z	4.9	n/a	2/2/2022	1.4	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	4.9	n/a	2/2/2022	2.1	No	269	n/a	n/a	2.23	n/a	n/a	0.00004896	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10	8.04	5.07	2/4/2022	6.53	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-10R	8.04	5.07	2/4/2022	7.69	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11	8.04	5.07	2/4/2022	7.2	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-11R	8.04	5.07	2/4/2022	7.58	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-12	8.04	5.07	2/2/2022	6.35	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13	8.04	5.07	2/17/2022	7.24	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-13RZ	8.04	5.07	2/4/2022	7.46	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-14Z	8.04	5.07	2/4/2022	6.06	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15R	8.04	5.07	2/4/2022	7.61	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-15Z	8.04	5.07	2/7/2022	7.83	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-44	8.04	5.07	1/31/2022	4.78	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45	8.04	5.07	2/1/2022	4.88	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-45R	8.04	5.07	2/1/2022	7.15	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-46R	8.04	5.07	1/31/2022	7.48	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47	8.04	5.07	2/1/2022	7.55	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-47R	8.04	5.07	2/1/2022	7.54	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-48	8.04	5.07	1/31/2022	4.86	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49R	8.04	5.07	2/1/2022	7.63	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-49Z	8.04	5.07	2/1/2022	5	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-5	8.04	5.07	2/2/2022	5.9	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6	8.04	5.07	2/2/2022	7.4	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-6RZ	8.04	5.07	2/2/2022	6.8	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-7Z	8.04	5.07	2/2/2022	7.54	No	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8RR	8.04	5.07	2/2/2022	8.13	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-8Z	8.04	5.07	2/2/2022	8.92	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2
pH (pH_units)	GWC-9	8.04	5.07	2/2/2022	4.81	Yes	280	n/a	n/a	0	n/a	n/a	0.00009793	NP Inter (normality) 1 of 2

Exceeds Limit: GWC-13RZ

Prediction Limit
 Interwell Non-parametric

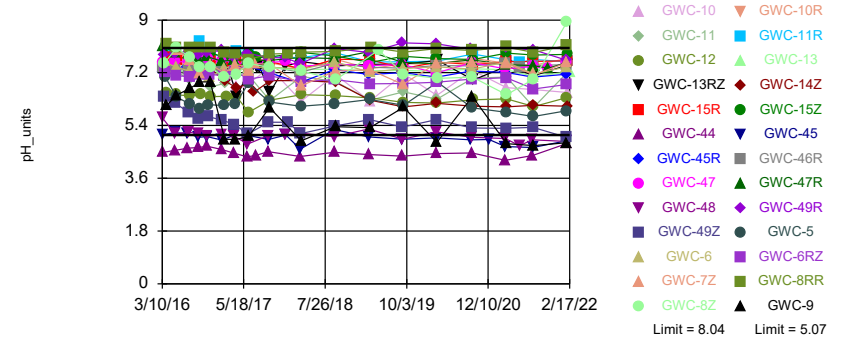


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 269 background values. 2.23% NDs. Annual per-constituent alpha = 0.002543. Individual comparison alpha = 0.00004896 (1 of 2). Comparing 26 points to limit.

Constituent: Chloride, Total Analysis Run 10/20/2022 12:05 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Exceeds Limits: GWC-44, GWC-45, GWC-48, GWC-49Z, GWC-8RR, GWC-8Z, GWC-9

Prediction Limit
 Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 280 background values. Annual per-constituent alpha = 0.005086. Individual comparison alpha = 0.00009793 (1 of 2). Comparing 26 points to limit.

Constituent: pH Analysis Run 10/20/2022 12:05 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49R	GWC-49Z	GWC-8Z	GWA-1 (bg)	GWA-2 (bg)
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016	1.1671								
3/16/2016		0.9445 (D)	3.0774 (D)	6.505					
3/17/2016					1.4476	1.0624			
3/22/2016							1.4231	1.5101	
3/23/2016									2.4904
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016	0.8763								
5/12/2016									
5/13/2016									
5/16/2016		0.9104 (D)	3 (D)	5.08					
5/17/2016									
5/18/2016					1.43	1.41			
5/19/2016								1.5	
5/20/2016									1.71
5/23/2016									
5/24/2016									
5/25/2016							1.11		
5/26/2016									
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016	1.4								
7/22/2016									
7/25/2016		1.2 (D)	3 (D)	1.2					
7/26/2016									
7/27/2016					1.6				
7/28/2016						1.4			
7/29/2016								1.7	2
8/1/2016									
8/2/2016							1.5		
8/3/2016									
8/4/2016									
8/5/2016									
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016	1.1	1.1 (D)	3 (D)	1.9					
9/20/2016									
9/21/2016					1.6	1.2			
9/22/2016									
9/23/2016								1.8	1.8
9/26/2016							1.6		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-40 (bg)	GWC-45	GWC-45R	GWC-44	GWC-49R	GWC-49Z	GWC-8Z	GWA-1 (bg)	GWA-2 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	1.2		3 (D)	2					
11/4/2016		1 (D)			1.6				
11/7/2016						1.4			
11/9/2016								2	1.6
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016							1.5		
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017	1								
1/18/2017									
1/19/2017				2.6					
1/20/2017			3.3 (D)						
1/23/2017		1.2 (D)							
1/24/2017					1.7	<0.99 (*)			
1/30/2017								1.5	
1/31/2017									1.3
2/1/2017									
2/3/2017							1.8		
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	1.2								
3/27/2017									
3/28/2017				5.7					
3/29/2017		1.1 (D)	3.2 (D)		1.6				
3/30/2017						1.2		1.8	1.6
4/3/2017									
4/6/2017									
4/7/2017							1.5		
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017	1.5								
6/5/2017				7.8					
6/6/2017									
6/7/2017		1	3.1						
6/8/2017					1.6				
6/9/2017						1.1		1.6	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWC-5	GWA-50R (bg)	GWC-6RZ	GWC-6	GWC-9	GWC-8RR
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	1.6092	0.9079							
3/28/2016			1.14	0.8659	0.9204				
3/29/2016						1.6645	1.3977		
3/30/2016								2.21	0.9409
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016		0.9136							
5/20/2016									
5/23/2016	1.52		1.19						
5/24/2016						1.58	1.33		0.92
5/25/2016				0.8639	1.04				
5/26/2016								2.1	
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	1.5	1.1							
8/1/2016			1.2	0.93	0.85	1.4	1.2		
8/2/2016									1.2
8/3/2016									
8/4/2016									
8/5/2016								2.4	
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016	1.4	1							
9/23/2016									
9/26/2016			1.1		0.87	1.4	1.1		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-3A (bg)	GWA-2R (bg)	GWA-50 (bg)	GWC-5	GWA-50R (bg)	GWC-6RZ	GWC-6	GWC-9	GWC-8RR
9/27/2016				0.8					1.1
9/28/2016								2.1	
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016									
11/10/2016	1.6	1.2	1.3						
11/11/2016				0.95	0.99				
11/14/2016						1.6			
11/18/2016							1.2		
11/21/2016								2.2	
11/22/2016									1.2
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017			1.2		0.95				
1/31/2017	1.6	1.2		0.99					
2/1/2017						1.4	1.3		
2/3/2017									
2/6/2017								2.5	1.1
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	1.4								
4/3/2017		0.99		0.93	0.88				
4/6/2017						1.5	1.1	2.2	1.2
4/7/2017			1.2						
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017		0.87							

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-10R	GWC-10	GWC-13	GWC-11R	GWC-11	GWC-12	GWC-13RZ	GWC-14Z	GWC-15Z
3/27/2019									
5/6/2019									
9/9/2019									
9/10/2019									
9/11/2019									
9/12/2019									
9/13/2019									
9/16/2019									
9/17/2019	2.8	2.4		1.4	1.1	0.835 (JD)		3.8	0.78 (X)
9/18/2019			4				7.6		
3/6/2020									
3/9/2020									
3/10/2020									
3/11/2020									
3/12/2020	3	2.3		1.5	1	0.84 (J)			
3/13/2020			3.3					4.2	0.7 (J)
3/16/2020									
3/17/2020							7.7		
9/10/2020									
9/11/2020									
9/14/2020									
9/15/2020									
9/16/2020									
9/17/2020	2.9	2.5							
9/21/2020				1.3	1	0.71 (J)		3.5	0.64 (J)
9/22/2020			3.5				7		
3/10/2021									
3/11/2021									
3/12/2021									
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021	2.5	2.1	3.4					4	0.67 (J)
3/19/2021				1.4	1.1	0.79 (J)	7.4		
3/29/2021									
8/4/2021									
8/5/2021									
8/6/2021									
8/9/2021									
8/10/2021		1.9							
8/11/2021	2.1		2.9	1.3	0.9 (J)	0.72 (J)		3.4	<1
8/12/2021							5.8		
1/31/2022									
2/1/2022									
2/2/2022						0.79 (J)			
2/3/2022									
2/4/2022	2.2	1.9		1.4	1.1		6.1	3.6	
2/7/2022									0.6 (J)
2/17/2022			3.1						

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016		6.1465 (o)			
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016					
4/5/2016	2.08				
5/11/2016					
5/12/2016					
5/13/2016		3.08			
5/16/2016			1.74 (D)		
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016	1.51			1.33	
6/1/2016					
7/19/2016					
7/20/2016					
7/21/2016		3.7			
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016			2.1 (D)		
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016				1.5	
8/3/2016					
8/4/2016	1.7				
8/5/2016					
8/9/2016					
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016		2.4			
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
9/27/2016				1.4	
9/28/2016					
9/29/2016	1.5				
9/30/2016					
11/2/2016					
11/3/2016		3.4			
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016				1.5	
11/22/2016					
11/23/2016	1.9				
11/28/2016					
1/17/2017		1.9			
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017				1.5	
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017					
2/10/2017	1.5				
2/13/2017					
2/21/2017			4 (D)		
2/22/2017					3.7 (D)
3/24/2017					
3/27/2017		2.4	2.6 (D)		
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017				1.2	
4/7/2017					2.5 (D)
4/10/2017					
4/11/2017					
4/12/2017	1.7				
5/24/2017					
6/5/2017					
6/6/2017		4.5			
6/7/2017					
6/8/2017			2.1 (D)		
6/9/2017					

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
6/12/2017					
6/13/2017				0.98	
6/14/2017					2.6 (D)
6/15/2017	1.4				
6/16/2017					
7/12/2017					2.8 (D)
7/14/2017				1.1	
7/17/2017			1.9 (D)		
7/20/2017					2.3 (D)
7/26/2017					
7/27/2017			3 (D)		
7/28/2017					2 (D)
8/9/2017			2.5 (D)		1.8 (D)
8/10/2017					
8/24/2017					2.9 (D)
9/22/2017					
9/25/2017		2.5			
9/26/2017					
9/27/2017					
9/29/2017			2.7 (D)		
10/2/2017					
10/3/2017				1	2.8 (D)
10/4/2017					
10/5/2017					
10/6/2017	1.6				
10/9/2017					
12/28/2017					
3/14/2018		4 (J)			
3/15/2018					
3/16/2018			2.6		
3/19/2018					
3/20/2018				1.5	
3/21/2018					2.9
3/22/2018					
3/23/2018	1.5				
9/12/2018		2.1			
9/13/2018					
9/14/2018			1.9		
9/17/2018					
9/18/2018				1.3	3.1
9/19/2018	1.7				
9/20/2018					
3/13/2019					
3/14/2019		2.9	2.8		
3/15/2019					
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019				<1	3.6 (D)
3/22/2019					
3/23/2019					
3/25/2019	1.9				

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-15R	GWA-41R (bg)	GWA-39RZ (bg)	GWC-7Z	GWA-4RZ (bg)
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019		1.7	2.3		
9/11/2019					
9/12/2019					2.1 (D)
9/13/2019				1	
9/16/2019					
9/17/2019	2				
9/18/2019					
3/6/2020					
3/9/2020		1.3	1.5		
3/10/2020					
3/11/2020					
3/12/2020				0.72 (J)	2.3
3/13/2020	1.6				
3/16/2020					
3/17/2020					
9/10/2020		1.4			
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020			1.7	0.79 (J)	
9/17/2020					2.4
9/21/2020	1.6				
9/22/2020					
3/10/2021		1.6			
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021			1.3		2.7
3/17/2021				0.79 (J)	
3/18/2021	1.7				
3/19/2021					
3/29/2021					
8/4/2021		1.3			
8/5/2021					
8/6/2021			1.3		
8/9/2021					
8/10/2021				0.68 (J)	2.8
8/11/2021	1.2				
8/12/2021					
1/31/2022		1			
2/1/2022					
2/2/2022			1.5	0.76 (J)	
2/3/2022					2.6
2/4/2022	1.2				
2/7/2022					
2/17/2022					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-46R	GWC-47	GWC-47R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)
6/12/2017									
6/13/2017									
6/14/2017									
6/15/2017									
6/16/2017									
7/11/2017									
7/12/2017									
7/14/2017									
7/17/2017									
7/19/2017									
7/20/2017									
7/26/2017									
7/27/2017									
7/28/2017									
8/8/2017									
8/9/2017									
8/10/2017									
8/23/2017									
8/24/2017									
9/22/2017					7.8	5.77			
9/25/2017									6.88
9/26/2017							7.59	7.05	
9/27/2017			7.55	7.62					
9/29/2017	5.06	7.42							
10/2/2017									
10/3/2017									
10/4/2017									
10/5/2017									
10/6/2017									
10/9/2017									
12/28/2017	5.07 (Y)		7.59 (Y)		7.78 (Y)			6.79 (Y)	
12/29/2017									
1/9/2018									
1/10/2018									
3/14/2018						5.85	7.6	7.42	7.04
3/15/2018	5.14	7.22	7.42		7.66				
3/16/2018				7.72					
3/19/2018									
3/20/2018									
3/21/2018									
3/22/2018									
3/23/2018									
9/12/2018					7.75	5.65		6.86	7.02
9/13/2018	5.02	7.52	7.49	7.68					
9/14/2018							7.37		
9/17/2018									
9/18/2018									
9/19/2018									
9/20/2018									
3/13/2019					7.84	5.63			
3/14/2019							7.57		6.93
3/15/2019	5.28		7.45					6.78	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-48	GWC-46R	GWC-47	GWC-47R	GWA-43R (bg)	GWA-43 (bg)	GWA-42 (bg)	GWA-39Z (bg)	GWA-41R (bg)
3/18/2019		7.39							
3/19/2019				7.93					
3/20/2019									
3/21/2019									
3/22/2019									
3/23/2019									
3/25/2019									
3/27/2019									
5/6/2019									
9/9/2019								6.49	
9/10/2019							7.53		6.72
9/11/2019	4.93	7.36		7.55	7.75	5.53			
9/12/2019			7.48						
9/13/2019									
9/16/2019									
9/17/2019									
9/18/2019									
3/6/2020							7.42		
3/9/2020	5.18		7.19	7.51	7.73	5.5		5.9	6.7
3/10/2020		7.44							
3/11/2020									
3/12/2020									
3/13/2020									
3/16/2020									
3/17/2020									
9/10/2020							7.48	5.53	6.67
9/11/2020						6.25			
9/14/2020	5	7.43	7.54		7.76				
9/15/2020				7.64					
9/16/2020									
9/17/2020									
9/21/2020									
9/22/2020									
12/15/2020									
3/10/2021									7.3
3/11/2021	4.95	7.53	7.34	7.48	7.81	5.55	7.53		
3/12/2021								6.39	
3/15/2021									
3/16/2021									
3/17/2021									
3/18/2021									
3/19/2021									
3/29/2021									
5/26/2021	4.72	7.39							
8/4/2021	4.91						7.35	6.21	7.15
8/5/2021		7.44	7.41	7.45	7.75				
8/6/2021						5.52			
8/9/2021									
8/10/2021									
8/11/2021									
8/12/2021									
10/28/2021			7.34	7.36					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-41 (bg)	GWA-40 (bg)	GWC-45	GWC-44	GWC-45R	GWC-49R	GWC-49Z	GWC-8Z	GWA-1 (bg)
9/27/2016									
9/28/2016									
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016	6.45	7.13		4.69	7.52				
11/4/2016			5.02			7.89			
11/7/2016							5.71		
11/9/2016									7.45
11/10/2016									
11/11/2016									
11/14/2016									
11/18/2016									
11/21/2016								7.4	
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017		7.51							
1/18/2017	6.34								
1/19/2017				4.58					
1/20/2017					7.3				
1/23/2017			4.9						
1/24/2017						7.97	5.58		
1/30/2017									7.64
1/31/2017									
2/1/2017									
2/3/2017								7.05	
2/6/2017									
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017	6.42	7.55							
3/27/2017									
3/28/2017				4.45					
3/29/2017			5.08		7.29	7.71			
3/30/2017							5.44		7.51
4/3/2017									
4/6/2017									
4/7/2017								7.14	
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017		7.6							
6/5/2017				4.33					
6/6/2017	6.82								
6/7/2017			5.06		7.43				
6/8/2017						7.86			
6/9/2017							5.11		7.6

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-9
3/10/2016									
3/11/2016									
3/14/2016									
3/15/2016									
3/16/2016									
3/17/2016									
3/22/2016									
3/23/2016	6.7	5.96	7.45						
3/28/2016				6.45 (D)	6.22	7.04			
3/29/2016							7.54	7.24	
3/30/2016									6.07
3/31/2016									
4/4/2016									
4/5/2016									
5/11/2016									
5/12/2016									
5/13/2016									
5/16/2016									
5/17/2016									
5/18/2016									
5/19/2016			7.5						
5/20/2016	6.36								
5/23/2016		5.73			5.86				
5/24/2016							7.39	7.1	
5/25/2016				6.96		6.39			
5/26/2016									6.44
5/27/2016									
5/31/2016									
6/1/2016									
7/19/2016									
7/20/2016									
7/21/2016									
7/22/2016									
7/25/2016									
7/26/2016									
7/27/2016									
7/28/2016									
7/29/2016	6.75	5.51	7.59						
8/1/2016				5.64	6.39	6.13	7.26	7.07	
8/2/2016									
8/3/2016									
8/4/2016									
8/5/2016									6.67
8/9/2016									
9/15/2016									
9/16/2016									
9/19/2016									
9/20/2016									
9/21/2016									
9/22/2016		5.45	7.44						
9/23/2016	6.62								
9/26/2016				6.26	5.74		7.19	7.15	

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWA-2 (bg)	GWA-3A (bg)	GWA-2R (bg)	GWA-50R (bg)	GWA-50 (bg)	GWC-5	GWC-6	GWC-6RZ	GWC-9
9/27/2016						5.98			
9/28/2016									6.89
9/29/2016									
9/30/2016									
11/2/2016									
11/3/2016									
11/4/2016									
11/7/2016									
11/9/2016	6.42								
11/10/2016		5.51	7.55		5.78				
11/11/2016				5.62		6.11			
11/14/2016								7.15	
11/18/2016							7.04		
11/21/2016									6.89
11/22/2016									
11/23/2016									
11/28/2016									
1/17/2017									
1/18/2017									
1/19/2017									
1/20/2017									
1/23/2017									
1/24/2017									
1/30/2017				5.49	5.88				
1/31/2017	5.66	5.42	7.56			6.08			
2/1/2017							7.34	7.09	
2/3/2017									
2/6/2017									4.93
2/7/2017									
2/8/2017									
2/9/2017									
2/10/2017									
2/13/2017									
2/21/2017									
2/22/2017									
3/24/2017									
3/27/2017									
3/28/2017									
3/29/2017									
3/30/2017	6.33	5.43							
4/3/2017			7.46	6.32		6.13			
4/6/2017							7.49	7.23	4.92
4/7/2017					5.94				
4/10/2017									
4/11/2017									
4/12/2017									
5/24/2017									
6/5/2017									
6/6/2017									
6/7/2017									
6/8/2017									
6/9/2017			7.24						

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-8RR	GWC-10R	GWC-10	GWC-11R	GWC-11	GWC-13	GWC-12	GWC-15R	GWA-39RZ (bg)
1/31/2022									
2/1/2022									
2/2/2022	8.13						6.35		6.89
2/3/2022									
2/4/2022		7.69	6.53	7.58	7.2			7.61	
2/7/2022									
2/17/2022						7.24			

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
3/10/2016					
3/11/2016					
3/14/2016					
3/15/2016					
3/16/2016					
3/17/2016					
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016					
3/30/2016					
3/31/2016					
4/4/2016				8.56 (o)	
4/5/2016		9.23 (o)	10.61 (o)		
5/11/2016					
5/12/2016					
5/13/2016					
5/16/2016					
5/17/2016					
5/18/2016					
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016					
5/25/2016					
5/26/2016					
5/27/2016					
5/31/2016	7.98	9.52 (o)			
6/1/2016			10.32 (o)	9.83 (o)	
7/19/2016					
7/20/2016					
7/21/2016					
7/22/2016					
7/25/2016					
7/26/2016					
7/27/2016					
7/28/2016					
7/29/2016					
8/1/2016					
8/2/2016	7.64				
8/3/2016					
8/4/2016					
8/5/2016					
8/9/2016			8.23 (o)		
9/15/2016					
9/16/2016					
9/19/2016					
9/20/2016					
9/21/2016					
9/22/2016					
9/23/2016					
9/26/2016					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
9/27/2016	7.18				
9/28/2016					
9/29/2016					
9/30/2016					
11/2/2016					
11/3/2016					
11/4/2016					
11/7/2016					
11/9/2016					
11/10/2016					
11/11/2016					
11/14/2016					
11/18/2016					
11/21/2016	7.49				
11/22/2016					
11/23/2016		7.88			
11/28/2016			7.29		
1/17/2017					
1/18/2017					
1/19/2017					
1/20/2017					
1/23/2017					
1/24/2017					
1/30/2017					
1/31/2017					
2/1/2017	7.2				
2/3/2017					
2/6/2017					
2/7/2017					
2/8/2017					
2/9/2017			6.91		
2/10/2017		7.72			
2/13/2017					
2/21/2017					
2/22/2017				7.45	7.38 (D)
3/24/2017					
3/27/2017					
3/28/2017					
3/29/2017					
3/30/2017					
4/3/2017					
4/6/2017	7.42				
4/7/2017					7.35 (D)
4/10/2017					
4/11/2017		7.83	6.68	6.37	
4/12/2017					
5/24/2017					
6/5/2017					
6/6/2017					
6/7/2017					
6/8/2017					
6/9/2017					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
6/12/2017					
6/13/2017	7.25				
6/14/2017			6.84		7.3 (D)
6/15/2017		7.86			
6/16/2017				7.33	
7/11/2017					7.39
7/12/2017		7.73	6.54	7.46	7.39 (D)
7/14/2017	7.5				
7/17/2017					
7/19/2017					7.44
7/20/2017					7.44 (D)
7/26/2017		7.71			
7/27/2017				7.37	7.5
7/28/2017				7.37	7.5
8/8/2017					7.52
8/9/2017				7.38	7.52
8/10/2017				7.38	
8/23/2017					7.5
8/24/2017					7.5
9/22/2017					
9/25/2017					
9/26/2017					
9/27/2017					
9/29/2017					
10/2/2017					
10/3/2017	7.5				7.51 (D)
10/4/2017					
10/5/2017			6.93		
10/6/2017		7.74		6.55	
10/9/2017					
12/28/2017				7.43 (Y)	7.32 (Y)
12/29/2017					
1/9/2018					
1/10/2018					
3/14/2018					
3/15/2018					
3/16/2018					
3/19/2018					
3/20/2018	6.76				
3/21/2018					7.3
3/22/2018			6.93		
3/23/2018		7.89		7.58	
9/12/2018					
9/13/2018					
9/14/2018					
9/17/2018					
9/18/2018	7.26				7.26
9/19/2018		7.77	6.88		
9/20/2018				7.43	
3/13/2019					
3/14/2019					
3/15/2019					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
 Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
3/18/2019					
3/19/2019					
3/20/2019					
3/21/2019	7.3				7.28 (D)
3/22/2019		7.55	6.27	7.49	
3/23/2019					
3/25/2019					
3/27/2019					
5/6/2019					
9/9/2019					
9/10/2019					
9/11/2019					
9/12/2019					7.2 (D)
9/13/2019	6.8				
9/16/2019					
9/17/2019		7.76	6.04		
9/18/2019				7.5	
3/6/2020					
3/9/2020					
3/10/2020					
3/11/2020					
3/12/2020	7.53				7.55
3/13/2020		7.68	6.16		
3/16/2020					
3/17/2020				7.62	
9/10/2020					
9/11/2020					
9/14/2020					
9/15/2020					
9/16/2020	7.56				
9/17/2020					7.42
9/21/2020		7.65	6.06		
9/22/2020				6.95	
12/15/2020					
3/10/2021					
3/11/2021					
3/12/2021					
3/15/2021					
3/16/2021					7.4
3/17/2021	7.52				
3/18/2021		7.87	6.04		
3/19/2021				7.42	
3/29/2021					
5/26/2021					
8/4/2021					
8/5/2021					
8/6/2021					
8/9/2021					
8/10/2021	7.13				7.2
8/11/2021		7.81	6.09		
8/12/2021				7.11	
10/28/2021					

Prediction Limit

Constituent: pH (pH_units) Analysis Run 10/20/2022 12:07 PM View: Appendix III Interwell
Plant Bowen Client: Southern Company Data: Bowen 1, 2, 9, and 10

	GWC-7Z	GWC-15Z	GWC-14Z	GWC-13RZ	GWA-4RZ (bg)
1/31/2022					
2/1/2022					
2/2/2022	7.54				
2/3/2022					7.2
2/4/2022			6.06	7.46	
2/7/2022		7.83			
2/17/2022					

Alternate Source Demonstration for Beryllium, Chloride, and Mercury, January- February 2022
Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

APPENDIX B

LABORATORY ANALYTICAL REPORTS





March 10, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between January 28, 2022 and February 01, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Anna Bottum, ERM
Andrea Brazell, ERM
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Lacy Smith, ERM
Caitlin Tillema, ERM
Christine Weaver, ERM

Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92585058001	GWA-38	Water	01/25/22 13:54	01/28/22 09:30
92585058002	GWA-52	Water	01/25/22 16:52	01/28/22 09:30
92585058003	GWA-54	Water	01/25/22 15:28	01/28/22 09:30
92585058004	FB-1	Water	01/25/22 16:18	01/28/22 09:30
92585058005	GWA-36RA	Water	01/26/22 10:35	01/28/22 09:30
92585058006	GWA-37	Water	01/26/22 13:10	01/28/22 09:30
92585058007	GWA-51RZ	Water	01/26/22 12:45	01/28/22 09:30
92585058008	GWA-53	Water	01/26/22 11:45	01/28/22 09:30
92585058009	GWA-53R	Water	01/26/22 14:20	01/28/22 09:30
92585058010	GWA-55	Water	01/26/22 15:30	01/28/22 09:30
92585058011	GWA-56	Water	01/26/22 16:01	01/28/22 09:30
92585058012	DUP-1	Water	01/26/22 00:00	01/28/22 09:30
92585058013	FB-2	Water	01/26/22 16:15	01/28/22 09:30
92585058014	EB-1	Water	01/26/22 16:10	01/28/22 09:30
92585058015	GWC-18R	Water	01/27/22 13:06	01/28/22 09:30
92585058016	GWC-19R	Water	01/27/22 14:20	01/28/22 09:30
92585058017	GWC-20R	Water	01/27/22 15:52	01/28/22 09:30
92585058018	GWC-22R	Water	01/27/22 16:00	01/28/22 09:30
92585058019	GWC-25R	Water	01/27/22 13:53	01/28/22 09:30
92585058020	GWA-55R	Water	01/27/22 12:30	01/28/22 09:30
92585058021	DUP-2	Water	01/27/22 00:00	01/28/22 09:30
92585058022	FB-3	Water	01/27/22 16:30	01/28/22 09:30
92585058023	GWC-16R	Water	01/28/22 09:38	02/01/22 11:22
92585058024	GWC-17R	Water	01/28/22 10:20	02/01/22 11:22
92585058025	GWC-18	Water	01/28/22 12:04	02/01/22 11:22
92585058026	GWC-21R	Water	01/28/22 12:17	02/01/22 11:22
92585058027	GWC-23R	Water	01/28/22 11:07	02/01/22 11:22
92585058028	GWC-24R	Water	01/28/22 10:35	02/01/22 11:22
92585058029	DUP-3	Water	01/28/22 00:00	02/01/22 11:22
92585058030	FB-4	Water	01/28/22 11:55	02/01/22 11:22

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058001	GWA-38	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058002	GWA-52	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058003	GWA-54	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585058004	FB-1	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585058005	GWA-36RA	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585058006	GWA-37	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058007	GWA-51RZ	EPA 6010D	KH	5	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058008	GWA-53	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058009	GWA-53R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585058010	GWA-55	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585058011	GWA-56	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058012	DUP-1	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585058013	FB-2	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058014	EB-1	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058015	GWC-18R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058016	GWC-19R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585058017	GWC-20R	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058018	GWC-22R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058019	GWC-25R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058020	GWA-55R	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058021	DUP-2	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585058022	FB-3	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585058023	GWC-16R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585058024	GWC-17R	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585058025	GWC-18	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585058026	GWC-21R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058027	GWC-23R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058028	GWC-24R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058029	DUP-3	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585058030	FB-4	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA
 PASI-M = Pace Analytical Services - Minneapolis

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058001	GWA-38					
	Performed by	CUSTOME			01/28/22 14:43	
		R				
	pH	5.14	Std. Units		01/28/22 14:43	
EPA 6010D	Calcium	1.1	mg/L	1.0	02/07/22 20:35	
EPA 6010D	Potassium	0.46	mg/L	0.20	02/07/22 20:35	BC
EPA 6010D	Sodium	3.5	mg/L	1.0	02/07/22 20:35	
EPA 6010D	Magnesium	0.44	mg/L	0.050	02/07/22 20:35	
EPA 6020B	Barium	0.012	mg/L	0.0050	02/11/22 18:36	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	02/11/22 18:36	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	02/11/22 18:36	
EPA 6020B	Nickel	0.00093J	mg/L	0.0050	02/11/22 18:36	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	02/01/22 14:07	
SM 2320B	Alkalinity, Total as CaCO3	4.9J	mg/L	5.0	02/03/22 18:02	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	4.9J	mg/L	5.0	02/03/22 18:02	
EPA 300.0 Rev 2.1 1993	Chloride	3.2	mg/L	1.0	02/02/22 01:13	
EPA 300.0 Rev 2.1 1993	Sulfate	0.58J	mg/L	1.0	02/02/22 01:13	
92585058002	GWA-52					
	Performed by	CUSTOME			01/28/22 14:43	
		R				
	pH	7.44	Std. Units		01/28/22 14:43	
EPA 6010D	Calcium	28.6	mg/L	1.0	02/07/22 20:54	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/07/22 20:54	BC
EPA 6010D	Sodium	5.1	mg/L	1.0	02/07/22 20:54	
EPA 6010D	Magnesium	14.6	mg/L	0.050	02/07/22 20:54	
EPA 6020B	Arsenic	0.0030J	mg/L	0.0050	02/11/22 18:42	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/11/22 18:42	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	02/11/22 18:42	
SM 2540C-2015	Total Dissolved Solids	136	mg/L	10.0	02/01/22 14:07	
SM 2320B	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/03/22 17:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/03/22 17:20	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/02/22 01:27	
EPA 300.0 Rev 2.1 1993	Sulfate	8.6	mg/L	1.0	02/02/22 01:27	
92585058003	GWA-54					
	Performed by	CUSTOME			01/28/22 14:44	
		R				
	pH	7.38	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	24.3	mg/L	1.0	02/07/22 21:09	
EPA 6010D	Potassium	0.87	mg/L	0.20	02/07/22 21:09	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/07/22 21:09	
EPA 6010D	Magnesium	13.9	mg/L	0.050	02/07/22 21:09	
EPA 6020B	Barium	0.031	mg/L	0.0050	02/11/22 19:06	
EPA 6020B	Chromium	0.0013J	mg/L	0.0050	02/11/22 19:06	
SM 2540C-2015	Total Dissolved Solids	113	mg/L	10.0	02/01/22 14:07	
SM 2320B	Alkalinity, Total as CaCO3	116	mg/L	5.0	02/03/22 17:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	116	mg/L	5.0	02/03/22 17:36	
EPA 300.0 Rev 2.1 1993	Chloride	0.81J	mg/L	1.0	02/02/22 01:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/02/22 01:41	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058004	FB-1					
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/11/22 19:12	
92585058005	GWA-36RA					
	Performed by	CUSTOMER			01/28/22 14:44	
	pH	7.01	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	41.0	mg/L	1.0	02/07/22 21:18	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/07/22 21:18	
EPA 6010D	Sodium	2.0	mg/L	1.0	02/07/22 21:18	
EPA 6010D	Magnesium	21.4	mg/L	0.050	02/07/22 21:18	
EPA 6020B	Barium	0.035	mg/L	0.0050	02/11/22 19:18	
EPA 6020B	Boron	0.012J	mg/L	0.040	02/11/22 19:18	
SM 2540C-2015	Total Dissolved Solids	184	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	182	mg/L	5.0	02/03/22 22:13	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	02/03/22 22:13	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/02/22 02:09	
EPA 300.0 Rev 2.1 1993	Sulfate	7.5	mg/L	1.0	02/02/22 02:09	
92585058006	GWA-37					
	Performed by	CUSTOMER			01/28/22 14:44	
	pH	4.69	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	0.70J	mg/L	1.0	02/07/22 21:23	
EPA 6010D	Potassium	0.38	mg/L	0.20	02/07/22 21:23	
EPA 6010D	Sodium	3.1	mg/L	1.0	02/07/22 21:23	
EPA 6010D	Magnesium	0.29	mg/L	0.050	02/07/22 21:23	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/11/22 19:36	
EPA 6020B	Barium	0.0046J	mg/L	0.0050	02/11/22 19:36	
EPA 6020B	Copper	0.013	mg/L	0.0050	02/11/22 19:36	
EPA 6020B	Nickel	0.016	mg/L	0.0050	02/11/22 19:36	
SM 2540C-2015	Total Dissolved Solids	26.0	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	6.8	mg/L	5.0	02/03/22 23:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	6.8	mg/L	5.0	02/03/22 23:14	
EPA 300.0 Rev 2.1 1993	Chloride	0.88J	mg/L	1.0	02/02/22 02:23	
92585058007	GWA-51RZ					
	Performed by	CUSTOMER			01/28/22 14:44	
	pH	7.78	Std. Units		01/28/22 14:44	
EPA 6010D	Calcium	50.5	mg/L	1.0	02/07/22 21:28	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/07/22 21:28	
EPA 6010D	Sodium	3.6	mg/L	1.0	02/07/22 21:28	
EPA 6010D	Magnesium	23.5	mg/L	0.050	02/07/22 21:28	
EPA 6020B	Arsenic	0.0047J	mg/L	0.0050	02/11/22 19:42	
EPA 6020B	Barium	0.034	mg/L	0.0050	02/11/22 19:42	
EPA 6020B	Boron	0.0088J	mg/L	0.040	02/11/22 19:42	
SM 2540C-2015	Total Dissolved Solids	190	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	184	mg/L	5.0	02/03/22 22:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	184	mg/L	5.0	02/03/22 22:21	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058007	GWA-51RZ					
EPA 300.0 Rev 2.1 1993	Chloride	2.9	mg/L	1.0	02/02/22 02:37	
EPA 300.0 Rev 2.1 1993	Sulfate	22.2	mg/L	1.0	02/02/22 02:37	
92585058008	GWA-53					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.72	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	29.6	mg/L	1.0	02/07/22 21:33	
EPA 6010D	Potassium	0.68	mg/L	0.20	02/07/22 21:33	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/07/22 21:33	
EPA 6010D	Magnesium	16.3	mg/L	0.050	02/07/22 21:33	
EPA 6020B	Barium	0.013	mg/L	0.0050	02/11/22 19:48	
EPA 6020B	Beryllium	0.000070J	mg/L	0.00050	02/11/22 19:48	
SM 2540C-2015	Total Dissolved Solids	131	mg/L	10.0	02/02/22 17:22	
SM 2320B	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/03/22 22:26	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/03/22 22:26	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/02/22 03:18	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	02/02/22 03:18	
92585058009	GWA-53R					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.78	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	30.4	mg/L	1.0	02/07/22 21:37	
EPA 6010D	Potassium	0.67	mg/L	0.20	02/07/22 21:37	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/07/22 21:37	
EPA 6010D	Magnesium	16.5	mg/L	0.050	02/07/22 21:37	
EPA 6020B	Barium	0.014	mg/L	0.0050	02/11/22 19:53	
SM 2540C-2015	Total Dissolved Solids	144	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	139	mg/L	5.0	02/03/22 22:39	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	139	mg/L	5.0	02/03/22 22:39	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/02/22 04:00	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/02/22 04:00	
92585058010	GWA-55					
	Performed by	CUSTOMER			01/28/22 14:45	
	pH	7.21	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	53.2	mg/L	1.0	02/07/22 21:42	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/07/22 21:42	
EPA 6010D	Sodium	0.97J	mg/L	1.0	02/07/22 21:42	
EPA 6010D	Magnesium	27.9	mg/L	0.050	02/07/22 21:42	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/11/22 19:59	
EPA 6020B	Cobalt	0.0035J	mg/L	0.0050	02/11/22 19:59	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	02/11/22 19:59	
SM 2540C-2015	Total Dissolved Solids	244	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	190	mg/L	5.0	02/03/22 22:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	02/03/22 22:44	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/02/22 04:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058010	GWA-55					
EPA 300.0 Rev 2.1 1993	Sulfate	32.5	mg/L	1.0	02/02/22 04:42	
92585058011	GWA-56					
	Performed by	CUSTOME			01/28/22 14:45	
		R				
	pH	7.45	Std. Units		01/28/22 14:45	
EPA 6010D	Calcium	37.6	mg/L	1.0	02/07/22 21:47	
EPA 6010D	Potassium	3.6	mg/L	0.20	02/07/22 21:47	
EPA 6010D	Sodium	39.4	mg/L	1.0	02/07/22 21:47	
EPA 6010D	Magnesium	22.4	mg/L	0.050	02/07/22 21:47	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0050	02/11/22 20:05	
EPA 6020B	Barium	0.032	mg/L	0.0050	02/11/22 20:05	
EPA 6020B	Boron	0.014J	mg/L	0.040	02/11/22 20:05	
SM 2540C-2015	Total Dissolved Solids	278	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	216	mg/L	5.0	02/03/22 22:50	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	02/03/22 22:50	
EPA 300.0 Rev 2.1 1993	Chloride	5.2	mg/L	1.0	02/02/22 04:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	02/02/22 04:56	
EPA 300.0 Rev 2.1 1993	Sulfate	47.1	mg/L	1.0	02/02/22 04:56	
92585058012	DUP-1					
EPA 6010D	Calcium	53.7	mg/L	1.0	02/07/22 21:52	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/07/22 21:52	
EPA 6010D	Sodium	1.0	mg/L	1.0	02/07/22 21:52	
EPA 6010D	Magnesium	28.3	mg/L	0.050	02/07/22 21:52	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0050	02/11/22 20:11	
EPA 6020B	Barium	0.029	mg/L	0.0050	02/11/22 20:11	
EPA 6020B	Cobalt	0.0039J	mg/L	0.0050	02/11/22 20:11	
EPA 6020B	Selenium	0.0025J	mg/L	0.0050	02/11/22 20:11	
SM 2540C-2015	Total Dissolved Solids	226	mg/L	10.0	02/02/22 17:23	
SM 2320B	Alkalinity, Total as CaCO3	193	mg/L	5.0	02/03/22 22:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	02/03/22 22:57	
EPA 300.0 Rev 2.1 1993	Chloride	5.8	mg/L	1.0	02/02/22 05:10	
EPA 300.0 Rev 2.1 1993	Sulfate	32.7	mg/L	1.0	02/02/22 05:10	
92585058013	FB-2					
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/11/22 20:17	
92585058015	GWC-18R					
	Performed by	CUSTOME			01/28/22 14:46	
		R				
	pH	7.76	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.63	mg/L	0.20	02/10/22 17:15	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/10/22 17:15	
EPA 6010D	Calcium	29.3	mg/L	1.0	02/10/22 17:15	M1
EPA 6010D	Magnesium	16.4	mg/L	0.050	02/10/22 17:15	M1
EPA 6020B	Barium	0.014	mg/L	0.0050	02/11/22 20:29	
EPA 6020B	Beryllium	0.000055J	mg/L	0.00050	02/11/22 20:29	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	02/11/22 20:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058015	GWC-18R					
SM 2540C-2015	Total Dissolved Solids	146	mg/L	10.0	02/02/22 17:43	
SM 2320B	Alkalinity, Total as CaCO3	141	mg/L	5.0	02/04/22 15:23	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	02/04/22 15:23	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/02/22 06:20	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	02/02/22 06:20	
92585058016	GWC-19R					
	Performed by	CUSTOME			01/28/22 14:46	
		R				
	pH	7.74	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.76	mg/L	0.20	02/10/22 17:35	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/10/22 17:35	
EPA 6010D	Calcium	33.2	mg/L	1.0	02/10/22 17:35	
EPA 6010D	Magnesium	18.3	mg/L	0.050	02/10/22 17:35	
EPA 6020B	Barium	0.016	mg/L	0.0050	02/11/22 20:47	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	10.0	02/02/22 17:43	
SM 2320B	Alkalinity, Total as CaCO3	149	mg/L	5.0	02/04/22 15:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	149	mg/L	5.0	02/04/22 15:29	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/02/22 06:34	
EPA 300.0 Rev 2.1 1993	Sulfate	3.9	mg/L	1.0	02/02/22 06:34	
92585058017	GWC-20R					
	Performed by	CUSTOME			01/28/22 14:46	
		R				
	pH	7.73	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.72	mg/L	0.20	02/10/22 17:39	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/10/22 17:39	
EPA 6010D	Calcium	36.2	mg/L	1.0	02/10/22 17:39	
EPA 6010D	Magnesium	20.0	mg/L	0.050	02/10/22 17:39	
EPA 6020B	Barium	0.028	mg/L	0.0050	02/11/22 20:53	
SM 2540C-2015	Total Dissolved Solids	176	mg/L	10.0	02/02/22 17:43	
SM 2320B	Alkalinity, Total as CaCO3	171	mg/L	5.0	02/04/22 15:34	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	02/04/22 15:34	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/02/22 06:47	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/02/22 06:47	
92585058018	GWC-22R					
	Performed by	CUSTOME			01/28/22 14:46	
		R				
	pH	7.28	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/10/22 17:44	
EPA 6010D	Sodium	1.8	mg/L	1.0	02/10/22 17:44	
EPA 6010D	Calcium	36.9	mg/L	1.0	02/10/22 17:44	
EPA 6010D	Magnesium	20.0	mg/L	0.050	02/10/22 17:44	
EPA 6020B	Arsenic	0.0045J	mg/L	0.0050	02/11/22 20:59	
EPA 6020B	Barium	0.060	mg/L	0.0050	02/11/22 20:59	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	02/11/22 20:59	
EPA 6020B	Nickel	0.00076J	mg/L	0.0050	02/11/22 20:59	
SM 2540C-2015	Total Dissolved Solids	167	mg/L	10.0	02/02/22 17:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058018	GWC-22R					
SM 2320B	Alkalinity, Total as CaCO ₃	176	mg/L	5.0	02/04/22 15:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	176	mg/L	5.0	02/04/22 15:40	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	02/02/22 07:01	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	02/02/22 07:01	
92585058019	GWC-25R					
	Performed by	CUSTOME			01/28/22 14:46	
		R				
	pH	7.46	Std. Units		01/28/22 14:46	
EPA 6010D	Potassium	0.66	mg/L	0.20	02/10/22 17:49	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/10/22 17:49	
EPA 6010D	Calcium	34.4	mg/L	1.0	02/10/22 17:49	
EPA 6010D	Magnesium	19.7	mg/L	0.050	02/10/22 17:49	
EPA 6020B	Barium	0.017	mg/L	0.0050	02/11/22 21:05	
SM 2540C-2015	Total Dissolved Solids	168	mg/L	10.0	02/02/22 17:44	
SM 2320B	Alkalinity, Total as CaCO ₃	164	mg/L	5.0	02/04/22 15:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	164	mg/L	5.0	02/04/22 15:45	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	02/04/22 13:50	
EPA 300.0 Rev 2.1 1993	Sulfate	2.0	mg/L	1.0	02/04/22 13:50	
92585058020	GWA-55R					
	Performed by	CUSTOME			01/28/22 14:47	
		R				
	pH	7.27	Std. Units		01/28/22 14:47	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/10/22 17:54	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/10/22 17:54	
EPA 6010D	Calcium	44.4	mg/L	1.0	02/10/22 17:54	
EPA 6010D	Magnesium	24.8	mg/L	0.050	02/10/22 17:54	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/11/22 21:11	
EPA 6020B	Barium	0.032	mg/L	0.0050	02/11/22 21:11	
EPA 6020B	Selenium	0.0016J	mg/L	0.0050	02/11/22 21:11	
SM 2540C-2015	Total Dissolved Solids	207	mg/L	10.0	02/02/22 17:44	
SM 2320B	Alkalinity, Total as CaCO ₃	181	mg/L	5.0	02/04/22 16:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	181	mg/L	5.0	02/04/22 16:15	
EPA 300.0 Rev 2.1 1993	Chloride	4.5	mg/L	1.0	02/04/22 14:04	
EPA 300.0 Rev 2.1 1993	Sulfate	20.7	mg/L	1.0	02/04/22 14:04	
92585058021	DUP-2					
EPA 6010D	Potassium	0.72	mg/L	0.20	02/10/22 17:58	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/10/22 17:58	
EPA 6010D	Calcium	30.8	mg/L	1.0	02/10/22 17:58	
EPA 6010D	Magnesium	16.8	mg/L	0.050	02/10/22 17:58	
EPA 6020B	Antimony	0.00090J	mg/L	0.0030	02/14/22 14:55	B
EPA 6020B	Barium	0.015	mg/L	0.0050	02/14/22 14:55	
EPA 6020B	Beryllium	0.000056J	mg/L	0.00050	02/14/22 14:55	
SM 2540C-2015	Total Dissolved Solids	147	mg/L	10.0	02/02/22 17:45	
SM 2320B	Alkalinity, Total as CaCO ₃	141	mg/L	5.0	02/04/22 16:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO ₃)	141	mg/L	5.0	02/04/22 16:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/04/22 14:18	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058021	DUP-2					
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	02/04/22 14:18	
92585058023	GWC-16R					
	Performed by	CUSTOMER			02/01/22 17:21	
	pH	7.31	Std. Units		02/01/22 17:21	
EPA 6010D	Zinc	0.026	mg/L	0.020	02/10/22 18:17	
EPA 6010D	Potassium	5.7	mg/L	0.20	02/10/22 18:17	
EPA 6010D	Sodium	28.5	mg/L	1.0	02/10/22 18:17	
EPA 6010D	Calcium	68.5	mg/L	1.0	02/10/22 18:17	
EPA 6010D	Magnesium	23.9	mg/L	0.050	02/10/22 18:17	
EPA 6020B	Antimony	0.027	mg/L	0.0030	02/14/22 15:21	
EPA 6020B	Barium	0.049	mg/L	0.0050	02/14/22 15:21	
EPA 6020B	Boron	0.021J	mg/L	0.040	02/14/22 15:21	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/14/22 15:21	
EPA 6020B	Copper	0.00088J	mg/L	0.0050	02/14/22 15:21	
EPA 6020B	Nickel	0.0063	mg/L	0.0050	02/14/22 15:21	
SM 2540C-2015	Total Dissolved Solids	317	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	315	mg/L	5.0	02/08/22 21:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	315	mg/L	5.0	02/08/22 21:45	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	02/06/22 04:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	02/06/22 04:03	
EPA 300.0 Rev 2.1 1993	Sulfate	11.9	mg/L	1.0	02/06/22 04:03	
92585058024	GWC-17R					
	Performed by	CUSTOMER			02/01/22 17:21	
	pH	7.34	Std. Units		02/01/22 17:21	
EPA 6010D	Potassium	0.73	mg/L	0.20	02/10/22 18:22	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/10/22 18:22	
EPA 6010D	Calcium	64.7	mg/L	1.0	02/10/22 18:22	
EPA 6010D	Magnesium	35.4	mg/L	0.050	02/10/22 18:22	
EPA 6020B	Barium	0.018	mg/L	0.0050	02/14/22 15:45	
SM 2540C-2015	Total Dissolved Solids	302	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	300	mg/L	5.0	02/08/22 21:53	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	300	mg/L	5.0	02/08/22 21:53	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	02/06/22 04:17	
EPA 300.0 Rev 2.1 1993	Sulfate	7.6	mg/L	1.0	02/06/22 04:17	
92585058025	GWC-18					
	Performed by	CUSTOMER			02/01/22 17:21	
	pH	6.60	Std. Units		02/01/22 17:21	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/10/22 18:27	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/10/22 18:27	
EPA 6010D	Calcium	19.1	mg/L	1.0	02/10/22 18:27	
EPA 6010D	Magnesium	10.7	mg/L	0.050	02/10/22 18:27	
EPA 6020B	Barium	0.044	mg/L	0.0050	02/14/22 15:51	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	02/14/22 15:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92585058025	GWC-18					
SM 2540C-2015	Total Dissolved Solids	99.0	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	84.7	mg/L	5.0	02/08/22 22:00	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	84.7	mg/L	5.0	02/08/22 22:00	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/06/22 04:31	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	02/06/22 04:31	
92585058026	GWC-21R					
	Performed by	CUSTOME			02/01/22 17:21	
		R				
	pH	6.69	Std. Units		02/01/22 17:21	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/10/22 18:32	
EPA 6010D	Sodium	15.1	mg/L	1.0	02/10/22 18:32	
EPA 6010D	Calcium	60.0	mg/L	1.0	02/10/22 18:32	
EPA 6010D	Magnesium	29.9	mg/L	0.050	02/10/22 18:32	
EPA 6020B	Antimony	0.0061	mg/L	0.0030	02/14/22 18:21	B
EPA 6020B	Arsenic	0.0031J	mg/L	0.0050	02/14/22 18:21	
EPA 6020B	Barium	0.037	mg/L	0.0050	02/14/22 18:21	
EPA 6020B	Boron	0.011J	mg/L	0.040	02/14/22 18:21	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	02/14/22 18:21	
EPA 6020B	Thallium	0.00021J	mg/L	0.0010	02/14/22 18:21	
SM 2540C-2015	Total Dissolved Solids	290	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	288	mg/L	5.0	02/08/22 22:05	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	288	mg/L	5.0	02/08/22 22:05	
EPA 300.0 Rev 2.1 1993	Chloride	4.6	mg/L	1.0	02/06/22 04:45	
EPA 300.0 Rev 2.1 1993	Sulfate	13.7	mg/L	1.0	02/06/22 04:45	
92585058027	GWC-23R					
	Performed by	CUSTOME			02/01/22 17:22	
		R				
	pH	7.38	Std. Units		02/01/22 17:22	
EPA 6010D	Zinc	0.0099J	mg/L	0.020	02/10/22 18:36	
EPA 6010D	Potassium	1.4	mg/L	0.20	02/10/22 18:36	
EPA 6010D	Sodium	74.7	mg/L	1.0	02/10/22 18:36	
EPA 6010D	Calcium	64.9	mg/L	1.0	02/10/22 18:36	
EPA 6010D	Magnesium	34.0	mg/L	0.050	02/10/22 18:36	
EPA 6020B	Arsenic	0.0026J	mg/L	0.0050	02/14/22 18:27	
EPA 6020B	Barium	0.036	mg/L	0.0050	02/14/22 18:27	
EPA 6020B	Copper	0.00068J	mg/L	0.0050	02/14/22 18:27	
SM 2540C-2015	Total Dissolved Solids	454	mg/L	20.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	345	mg/L	5.0	02/08/22 22:12	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	345	mg/L	5.0	02/08/22 22:12	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/06/22 04:59	
EPA 300.0 Rev 2.1 1993	Sulfate	98.4	mg/L	2.0	02/06/22 07:35	
92585058028	GWC-24R					
	Performed by	CUSTOME			02/01/22 17:22	
		R				
	pH	7.68	Std. Units		02/01/22 17:22	
EPA 6010D	Potassium	0.87	mg/L	0.20	02/10/22 18:41	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92585058028	GWC-24R					
EPA 6010D	Sodium	1.5	mg/L	1.0	02/10/22 18:41	
EPA 6010D	Calcium	34.4	mg/L	1.0	02/10/22 18:41	
EPA 6010D	Magnesium	18.9	mg/L	0.050	02/10/22 18:41	
EPA 6020B	Arsenic	0.0021J	mg/L	0.0050	02/14/22 18:33	
EPA 6020B	Barium	0.025	mg/L	0.0050	02/14/22 18:33	
SM 2540C-2015	Total Dissolved Solids	159	mg/L	10.0	02/03/22 12:41	
SM 2320B	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/08/22 22:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/08/22 22:20	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/06/22 05:41	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/06/22 05:41	
92585058029	DUP-3					
EPA 6010D	Potassium	0.83	mg/L	0.20	02/10/22 18:46	
EPA 6010D	Sodium	1.6	mg/L	1.0	02/10/22 18:46	
EPA 6010D	Calcium	33.5	mg/L	1.0	02/10/22 18:46	
EPA 6010D	Magnesium	18.5	mg/L	0.050	02/10/22 18:46	
EPA 6020B	Arsenic	0.0015J	mg/L	0.0050	02/14/22 18:39	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/14/22 18:39	
EPA 6020B	Copper	0.00054J	mg/L	0.0050	02/14/22 18:39	
SM 2540C-2015	Total Dissolved Solids	156	mg/L	10.0	02/03/22 12:42	
SM 2320B	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/08/22 22:25	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/08/22 22:25	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/06/22 05:55	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	02/06/22 05:55	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-38 **Lab ID: 92585058001** Collected: 01/25/22 13:54 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:43		
pH	5.14	Std. Units			1		01/28/22 14:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 20:35	7440-66-6	
Calcium	1.1	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 20:35	7440-70-2	
Potassium	0.46	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 20:35	7440-09-7	BC
Sodium	3.5	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 20:35	7440-23-5	
Magnesium	0.44	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 20:35	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 18:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:36	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 18:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 18:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 18:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 18:36	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:36	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 18:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 18:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 18:36	7439-92-1	
Nickel	0.00093J	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 18:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 18:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 18:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 18:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 18:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:19	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		02/01/22 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	4.9J	mg/L	5.0	1.8	1		02/03/22 18:02		
Alkalinity,Bicarbonate (CaCO3)	4.9J	mg/L	5.0	1.8	1		02/03/22 18:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 18:02		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWA-38** Lab ID: **92585058001** Collected: 01/25/22 13:54 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.2	mg/L	1.0	0.60	1		02/02/22 01:13	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:13	16984-48-8	
Sulfate	0.58J	mg/L	1.0	0.50	1		02/02/22 01:13	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-52 **Lab ID: 92585058002** Collected: 01/25/22 16:52 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:43		
pH	7.44	Std. Units			1		01/28/22 14:43		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 20:54	7440-66-6	
Calcium	28.6	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 20:54	7440-70-2	
Potassium	1.2	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 20:54	7440-09-7	BC
Sodium	5.1	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 20:54	7440-23-5	
Magnesium	14.6	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 20:54	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 18:42	7440-36-0	
Arsenic	0.0030J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:42	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 18:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 18:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 18:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 18:42	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 18:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 18:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 18:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 18:42	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 18:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 18:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 18:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 18:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 18:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	136	mg/L	10.0	10.0	1		02/01/22 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	132	mg/L	5.0	1.8	1		02/03/22 17:20		
Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	1.8	1		02/03/22 17:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:20		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-52 Lab ID: 92585058002 Collected: 01/25/22 16:52 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/02/22 01:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:27	16984-48-8	
Sulfate	8.6	mg/L	1.0	0.50	1		02/02/22 01:27	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-54 **Lab ID: 92585058003** Collected: 01/25/22 15:28 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:44		
pH	7.38	Std. Units			1		01/28/22 14:44		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:09	7440-66-6	
Calcium	24.3	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:09	7440-70-2	
Potassium	0.87	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:09	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:09	7440-23-5	
Magnesium	13.9	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:09	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:06	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:06	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:06	7440-43-9	
Chromium	0.0013J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:24	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	113	mg/L	10.0	10.0	1		02/01/22 14:07		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	116	mg/L	5.0	1.8	1		02/03/22 17:36		
Alkalinity,Bicarbonate (CaCO3)	116	mg/L	5.0	1.8	1		02/03/22 17:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:36		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-54 Lab ID: 92585058003 Collected: 01/25/22 15:28 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.81J	mg/L	1.0	0.60	1		02/02/22 01:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:41	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/02/22 01:41	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: FB-1 Lab ID: 92585058004 Collected: 01/25/22 16:18 Received: 01/28/22 09:30 Matrix: Water									
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:13	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:13	7440-70-2	
Potassium	ND	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:13	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:13	7440-23-5	
Magnesium	ND	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:13	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:12	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:12	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:12	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:12	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:32	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/01/22 14:08		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/03/22 17:41		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:41		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 17:41		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/02/22 01:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 01:55	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 01:55	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-36RA **Lab ID: 92585058005** Collected: 01/26/22 10:35 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		01/28/22 14:44		
pH	7.01	Std. Units			1		01/28/22 14:44		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:18	7440-66-6	
Calcium	41.0	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:18	7440-70-2	
Potassium	1.1	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:18	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:18	7440-23-5	
Magnesium	21.4	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:18	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:18	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:18	7440-38-2	
Barium	0.035	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:18	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:18	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:35	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	184	mg/L	10.0	10.0	1		02/02/22 17:22		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	182	mg/L	5.0	1.8	1		02/03/22 22:13		
Alkalinity,Bicarbonate (CaCO3)	182	mg/L	5.0	1.8	1		02/03/22 22:13		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:13		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWA-36RA** Lab ID: **92585058005** Collected: 01/26/22 10:35 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/02/22 02:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 02:09	16984-48-8	
Sulfate	7.5	mg/L	1.0	0.50	1		02/02/22 02:09	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-37 **Lab ID: 92585058006** Collected: 01/26/22 13:10 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:44		
pH	4.69	Std. Units			1		01/28/22 14:44		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:23	7440-66-6	
Calcium	0.70J	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:23	7440-70-2	
Potassium	0.38	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:23	7440-09-7	
Sodium	3.1	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:23	7440-23-5	
Magnesium	0.29	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:23	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:36	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:36	7440-38-2	
Barium	0.0046J	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:36	7440-48-4	
Copper	0.013	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:36	7439-92-1	
Nickel	0.016	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:37	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	26.0	mg/L	10.0	10.0	1		02/02/22 17:22		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	6.8	mg/L	5.0	1.8	1		02/03/22 23:14		
Alkalinity,Bicarbonate (CaCO3)	6.8	mg/L	5.0	1.8	1		02/03/22 23:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:14		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-37 Lab ID: 92585058006 Collected: 01/26/22 13:10 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.88J	mg/L	1.0	0.60	1		02/02/22 02:23	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 02:23	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 02:23	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-51RZ **Lab ID: 92585058007** Collected: 01/26/22 12:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		01/28/22 14:44		
pH	7.78	Std. Units			1		01/28/22 14:44		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:28	7440-66-6	
Calcium	50.5	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:28	7440-70-2	
Potassium	1.0	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:28	7440-09-7	
Sodium	3.6	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:28	7440-23-5	
Magnesium	23.5	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:28	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:42	7440-36-0	
Arsenic	0.0047J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:42	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:42	7440-41-7	
Boron	0.0088J	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:42	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:42	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:40	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	190	mg/L	10.0	10.0	1		02/02/22 17:22		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	184	mg/L	5.0	1.8	1		02/03/22 22:21		
Alkalinity,Bicarbonate (CaCO3)	184	mg/L	5.0	1.8	1		02/03/22 22:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:21		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-51RZ Lab ID: 92585058007 Collected: 01/26/22 12:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.9	mg/L	1.0	0.60	1		02/02/22 02:37	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 02:37	16984-48-8	
Sulfate	22.2	mg/L	1.0	0.50	1		02/02/22 02:37	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-53 **Lab ID: 92585058008** Collected: 01/26/22 11:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.72	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:33	7440-66-6	
Calcium	29.6	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:33	7440-70-2	
Potassium	0.68	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:33	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:33	7440-23-5	
Magnesium	16.3	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:33	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:48	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:48	7440-39-3	
Beryllium	0.000070J	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:48	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:48	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:48	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:48	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:48	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:48	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:48	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:48	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:43	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	131	mg/L	10.0	10.0	1		02/02/22 17:22		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	132	mg/L	5.0	1.8	1		02/03/22 22:26		
Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	1.8	1		02/03/22 22:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:26		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-53 Lab ID: 92585058008 Collected: 01/26/22 11:45 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		02/02/22 03:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 03:18	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		02/02/22 03:18	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-53R **Lab ID: 92585058009** Collected: 01/26/22 14:20 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.78	Std. Units			1		01/28/22 14:45		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:37	7440-66-6	
Calcium	30.4	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:37	7440-70-2	
Potassium	0.67	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:37	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:37	7440-23-5	
Magnesium	16.5	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:37	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:53	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 10:20	02/08/22 15:45	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	144	mg/L	10.0	10.0	1		02/02/22 17:23		
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2320B Alkalinity

Analytical Method: SM 2320B
Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	139	mg/L	5.0	1.8	1		02/03/22 22:39		
Alkalinity,Bicarbonate (CaCO3)	139	mg/L	5.0	1.8	1		02/03/22 22:39		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:39		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWA-53R** Lab ID: **92585058009** Collected: 01/26/22 14:20 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/02/22 04:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 04:00	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		02/02/22 04:00	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-55		Lab ID: 92585058010		Collected: 01/26/22 15:30		Received: 01/28/22 09:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.21	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:42	7440-66-6	
Calcium	53.2	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:42	7440-70-2	
Potassium	1.4	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:42	7440-09-7	
Sodium	0.97J	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:42	7440-23-5	
Magnesium	27.9	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:42	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 19:59	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:59	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 19:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 19:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 19:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 19:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 19:59	7440-47-3	
Cobalt	0.0035J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 19:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 19:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 19:59	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 19:59	7440-02-0	
Selenium	0.0025J	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 19:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 19:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 19:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 19:59	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 08:45	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	244	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	190	mg/L	5.0	1.8	1		02/03/22 22:44		
Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	1.8	1		02/03/22 22:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:44		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-55 **Lab ID: 92585058010** Collected: 01/26/22 15:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		02/02/22 04:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 04:42	16984-48-8	
Sulfate	32.5	mg/L	1.0	0.50	1		02/02/22 04:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-56	Lab ID: 92585058011	Collected: 01/26/22 16:01	Received: 01/28/22 09:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:45		
pH	7.45	Std. Units			1		01/28/22 14:45		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:47	7440-66-6	
Calcium	37.6	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:47	7440-70-2	
Potassium	3.6	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:47	7440-09-7	
Sodium	39.4	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:47	7440-23-5	
Magnesium	22.4	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:47	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:05	7440-36-0	
Arsenic	0.0015J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:05	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:05	7440-41-7	
Boron	0.014J	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 08:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	278	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	216	mg/L	5.0	1.8	1		02/03/22 22:50		
Alkalinity,Bicarbonate (CaCO3)	216	mg/L	5.0	1.8	1		02/03/22 22:50		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:50		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWA-56 Lab ID: 92585058011 Collected: 01/26/22 16:01 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.2	mg/L	1.0	0.60	1		02/02/22 04:56	16887-00-6	
Fluoride	0.076J	mg/L	0.10	0.050	1		02/02/22 04:56	16984-48-8	
Sulfate	47.1	mg/L	1.0	0.50	1		02/02/22 04:56	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: DUP-1 **Lab ID: 92585058012** Collected: 01/26/22 00:00 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/05/22 08:33	02/07/22 21:52	7440-66-6	
Calcium	53.7	mg/L	1.0	0.12	1	02/05/22 08:33	02/07/22 21:52	7440-70-2	
Potassium	1.5	mg/L	0.20	0.15	1	02/05/22 08:33	02/07/22 21:52	7440-09-7	
Sodium	1.0	mg/L	1.0	0.58	1	02/05/22 08:33	02/07/22 21:52	7440-23-5	
Magnesium	28.3	mg/L	0.050	0.012	1	02/05/22 08:33	02/07/22 21:52	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:11	7440-36-0	
Arsenic	0.0020J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:11	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:11	7440-47-3	
Cobalt	0.0039J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:11	7440-02-0	
Selenium	0.0025J	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:11	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 08:58	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	226	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	193	mg/L	5.0	1.8	1		02/03/22 22:57		
Alkalinity,Bicarbonate (CaCO3)	193	mg/L	5.0	1.8	1		02/03/22 22:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 22:57		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.8	mg/L	1.0	0.60	1		02/02/22 05:10	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 05:10	16984-48-8	
Sulfate	32.7	mg/L	1.0	0.50	1		02/02/22 05:10	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **FB-2** Lab ID: **92585058013** Collected: 01/26/22 16:15 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 16:39	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 16:39	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 16:39	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 16:39	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 16:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:17	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:17	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:17	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:17	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:17	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:17	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:17	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:17	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:17	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:17	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:17	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:17	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:17	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:17	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:01	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/02/22 17:23		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/03/22 23:03		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/02/22 05:24	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 05:24	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 05:24	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: EB-1 **Lab ID: 92585058014** Collected: 01/26/22 16:10 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 16:44	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 16:44	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 16:44	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 16:44	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 16:44	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:23	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:23	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:23	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:23	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:23	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:23	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:23	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:23	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:23	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:23	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:23	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:23	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:23	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:23	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:09	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/02/22 17:42		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/03/22 23:07		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/03/22 23:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/02/22 06:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/02/22 06:06	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-18R **Lab ID: 92585058015** Collected: 01/27/22 13:06 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.76	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:15	7440-66-6	
Potassium	0.63	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:15	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:15	7440-23-5	
Calcium	29.3	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:15	7440-70-2	M1
Magnesium	16.4	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:15	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:29	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:29	7440-39-3	
Beryllium	0.000055J	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:29	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:29	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:29	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	146	mg/L	10.0	10.0	1		02/02/22 17:43		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	141	mg/L	5.0	1.8	1		02/04/22 15:23		
Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	1.8	1		02/04/22 15:23		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:23		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-18R **Lab ID: 92585058015** Collected: 01/27/22 13:06 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		02/02/22 06:20	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:20	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		02/02/22 06:20	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-19R **Lab ID: 92585058016** Collected: 01/27/22 14:20 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.74	Std. Units			1		01/28/22 14:46		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:35	7440-66-6	
Potassium	0.76	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:35	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:35	7440-23-5	
Calcium	33.2	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:35	7440-70-2	
Magnesium	18.3	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:35	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:47	7440-38-2	
Barium	0.016	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:47	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:47	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:47	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:14	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	149	mg/L	10.0	10.0	1		02/02/22 17:43		
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2320B Alkalinity

Analytical Method: SM 2320B
Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	149	mg/L	5.0	1.8	1		02/04/22 15:29		
Alkalinity,Bicarbonate (CaCO3)	149	mg/L	5.0	1.8	1		02/04/22 15:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:29		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-19R **Lab ID: 92585058016** Collected: 01/27/22 14:20 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.5	mg/L	1.0	0.60	1		02/02/22 06:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:34	16984-48-8	
Sulfate	3.9	mg/L	1.0	0.50	1		02/02/22 06:34	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-20R **Lab ID: 92585058017** Collected: 01/27/22 15:52 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.73	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:39	7440-66-6	
Potassium	0.72	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:39	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:39	7440-23-5	
Calcium	36.2	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:39	7440-70-2	
Magnesium	20.0	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:53	7440-38-2	
Barium	0.028	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:53	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:53	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:53	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:17	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	176	mg/L	10.0	10.0	1		02/02/22 17:43		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	171	mg/L	5.0	1.8	1		02/04/22 15:34		
Alkalinity,Bicarbonate (CaCO3)	171	mg/L	5.0	1.8	1		02/04/22 15:34		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:34		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWC-20R** Lab ID: **92585058017** Collected: 01/27/22 15:52 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/02/22 06:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 06:47	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/02/22 06:47	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-22R **Lab ID: 92585058018** Collected: 01/27/22 16:00 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.28	Std. Units			1		01/28/22 14:46		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:44	7440-66-6	
Potassium	1.5	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:44	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:44	7440-23-5	
Calcium	36.9	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:44	7440-70-2	
Magnesium	20.0	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 20:59	7440-36-0	
Arsenic	0.0045J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:59	7440-38-2	
Barium	0.060	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 20:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 20:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 20:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 20:59	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 20:59	7440-47-3	
Cobalt	0.0011J	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 20:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 20:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 20:59	7439-92-1	
Nickel	0.00076J	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 20:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 20:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 20:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 20:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 20:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:19	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	167	mg/L	10.0	10.0	1		02/02/22 17:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	176	mg/L	5.0	1.8	1		02/04/22 15:40		
Alkalinity,Bicarbonate (CaCO3)	176	mg/L	5.0	1.8	1		02/04/22 15:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:40		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-22R **Lab ID: 92585058018** Collected: 01/27/22 16:00 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.5	mg/L	1.0	0.60	1		02/02/22 07:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/02/22 07:01	16984-48-8	
Sulfate	1.3	mg/L	1.0	0.50	1		02/02/22 07:01	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-25R **Lab ID: 92585058019** Collected: 01/27/22 13:53 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		01/28/22 14:46		
pH	7.46	Std. Units			1		01/28/22 14:46		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:49	7440-66-6	
Potassium	0.66	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:49	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:49	7440-23-5	
Calcium	34.4	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:49	7440-70-2	
Magnesium	19.7	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:49	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 21:05	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:05	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 21:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 21:05	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 21:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 21:05	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:05	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 21:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 21:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 21:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 21:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 21:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 21:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 21:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 21:05	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	168	mg/L	10.0	10.0	1		02/02/22 17:44		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	164	mg/L	5.0	1.8	1		02/04/22 15:45		
Alkalinity,Bicarbonate (CaCO3)	164	mg/L	5.0	1.8	1		02/04/22 15:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 15:45		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-25R **Lab ID: 92585058019** Collected: 01/27/22 13:53 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		02/04/22 13:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 13:50	16984-48-8	
Sulfate	2.0	mg/L	1.0	0.50	1		02/04/22 13:50	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-55R **Lab ID: 92585058020** Collected: 01/27/22 12:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		01/28/22 14:47		
pH	7.27	Std. Units			1		01/28/22 14:47		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:54	7440-66-6	
Potassium	1.0	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:54	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:54	7440-23-5	
Calcium	44.4	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:54	7440-70-2	
Magnesium	24.8	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:54	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/10/22 08:25	02/11/22 21:11	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:11	7440-38-2	
Barium	0.032	mg/L	0.0050	0.00067	1	02/10/22 08:25	02/11/22 21:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/10/22 08:25	02/11/22 21:11	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/10/22 08:25	02/11/22 21:11	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/10/22 08:25	02/11/22 21:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/10/22 08:25	02/11/22 21:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/10/22 08:25	02/11/22 21:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/10/22 08:25	02/11/22 21:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/10/22 08:25	02/11/22 21:11	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/10/22 08:25	02/11/22 21:11	7440-02-0	
Selenium	0.0016J	mg/L	0.0050	0.0014	1	02/10/22 08:25	02/11/22 21:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/10/22 08:25	02/11/22 21:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/10/22 08:25	02/11/22 21:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/10/22 08:25	02/11/22 21:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:25	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	207	mg/L	10.0	10.0	1		02/02/22 17:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	181	mg/L	5.0	1.8	1		02/04/22 16:15		
Alkalinity,Bicarbonate (CaCO3)	181	mg/L	5.0	1.8	1		02/04/22 16:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:15		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWA-55R Lab ID: 92585058020 Collected: 01/27/22 12:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.5	mg/L	1.0	0.60	1		02/04/22 14:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 14:04	16984-48-8	
Sulfate	20.7	mg/L	1.0	0.50	1		02/04/22 14:04	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: DUP-2	Lab ID: 92585058021	Collected: 01/27/22 00:00	Received: 01/28/22 09:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 17:58	7440-66-6	
Potassium	0.72	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 17:58	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 17:58	7440-23-5	
Calcium	30.8	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 17:58	7440-70-2	
Magnesium	16.8	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 17:58	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00090J	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 14:55	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 14:55	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 14:55	7440-39-3	
Beryllium	0.000056J	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 14:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 14:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 14:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 14:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 14:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 14:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 14:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 14:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 14:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 14:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 14:55	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 14:55	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:27	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	147	mg/L	10.0	10.0	1		02/02/22 17:45		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	141	mg/L	5.0	1.8	1		02/04/22 16:20		
Alkalinity,Bicarbonate (CaCO3)	141	mg/L	5.0	1.8	1		02/04/22 16:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:20		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.3	mg/L	1.0	0.60	1		02/04/22 14:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 14:18	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		02/04/22 14:18	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: FB-3 **Lab ID: 92585058022** Collected: 01/27/22 16:30 Received: 01/28/22 09:30 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:13	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:13	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:13	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:13	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:13	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:01	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:01	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:01	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:01	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/02/22 17:45		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/04/22 16:24		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:24		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/04/22 16:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/04/22 15:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/04/22 15:00	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/04/22 15:00	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-16R **Lab ID: 92585058023** Collected: 01/28/22 09:38 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/01/22 17:21		
pH	7.31	Std. Units			1		02/01/22 17:21		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	0.026	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:17	7440-66-6	
Potassium	5.7	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:17	7440-09-7	
Sodium	28.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:17	7440-23-5	
Calcium	68.5	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:17	7440-70-2	
Magnesium	23.9	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:17	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.027	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:21	7440-38-2	
Barium	0.049	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:21	7440-41-7	
Boron	0.021J	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:21	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:21	7440-48-4	
Copper	0.00088J	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:21	7439-92-1	
Nickel	0.0063	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:21	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:38	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	317	mg/L	10.0	10.0	1		02/03/22 12:41		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	315	mg/L	5.0	1.8	1		02/08/22 21:45		
Alkalinity,Bicarbonate (CaCO3)	315	mg/L	5.0	1.8	1		02/08/22 21:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 21:45		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-16R **Lab ID: 92585058023** Collected: 01/28/22 09:38 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		02/06/22 04:03	16887-00-6	
Fluoride	0.17	mg/L	0.10	0.050	1		02/06/22 04:03	16984-48-8	
Sulfate	11.9	mg/L	1.0	0.50	1		02/06/22 04:03	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: GWC-17R **Lab ID: 92585058024** Collected: 01/28/22 10:20 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/01/22 17:21		
pH	7.34	Std. Units			1		02/01/22 17:21		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:22	7440-66-6	
Potassium	0.73	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:22	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:22	7440-23-5	
Calcium	64.7	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:22	7440-70-2	
Magnesium	35.4	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:22	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:45	7440-38-2	
Barium	0.018	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:45	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:45	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:45	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:45	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:45	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:40	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	302	mg/L	10.0	10.0	1		02/03/22 12:41		
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2320B Alkalinity

Analytical Method: SM 2320B
Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	300	mg/L	5.0	1.8	1		02/08/22 21:53		
Alkalinity,Bicarbonate (CaCO3)	300	mg/L	5.0	1.8	1		02/08/22 21:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 21:53		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWC-17R** Lab ID: **92585058024** Collected: 01/28/22 10:20 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		02/06/22 04:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:17	16984-48-8	
Sulfate	7.6	mg/L	1.0	0.50	1		02/06/22 04:17	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-18 **Lab ID: 92585058025** Collected: 01/28/22 12:04 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/01/22 17:21		
pH	6.60	Std. Units			1		02/01/22 17:21		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:27	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:27	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:27	7440-23-5	
Calcium	19.1	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:27	7440-70-2	
Magnesium	10.7	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:27	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 15:51	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:51	7440-38-2	
Barium	0.044	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 15:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 15:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 15:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 15:51	7440-43-9	
Chromium	0.0014J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 15:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 15:51	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 15:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 15:51	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 15:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 15:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 15:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 15:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 15:51	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:43	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	99.0	mg/L	10.0	10.0	1		02/03/22 12:41		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	84.7	mg/L	5.0	1.8	1		02/08/22 22:00		
Alkalinity,Bicarbonate (CaCO3)	84.7	mg/L	5.0	1.8	1		02/08/22 22:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:00		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWC-18** Lab ID: **92585058025** Collected: 01/28/22 12:04 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		02/06/22 04:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:31	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		02/06/22 04:31	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-21R **Lab ID: 92585058026** Collected: 01/28/22 12:17 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/01/22 17:21		
pH	6.69	Std. Units			1		02/01/22 17:21		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:32	7440-66-6	
Potassium	1.5	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:32	7440-09-7	
Sodium	15.1	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:32	7440-23-5	
Calcium	60.0	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:32	7440-70-2	
Magnesium	29.9	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:32	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0061	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:21	7440-36-0	B
Arsenic	0.0031J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:21	7440-38-2	
Barium	0.037	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:21	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:21	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:21	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:21	7440-22-4	
Thallium	0.00021J	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:21	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:46	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	290	mg/L	10.0	10.0	1		02/03/22 12:41		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	288	mg/L	5.0	1.8	1		02/08/22 22:05		
Alkalinity,Bicarbonate (CaCO3)	288	mg/L	5.0	1.8	1		02/08/22 22:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:05		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWC-21R** Lab ID: **92585058026** Collected: 01/28/22 12:17 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.6	mg/L	1.0	0.60	1		02/06/22 04:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:45	16984-48-8	
Sulfate	13.7	mg/L	1.0	0.50	1		02/06/22 04:45	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-23R **Lab ID: 92585058027** Collected: 01/28/22 11:07 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/01/22 17:22		
pH	7.38	Std. Units			1		02/01/22 17:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	0.0099J	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:36	7440-66-6	
Potassium	1.4	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:36	7440-09-7	
Sodium	74.7	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:36	7440-23-5	
Calcium	64.9	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:36	7440-70-2	
Magnesium	34.0	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:36	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:27	7440-36-0	
Arsenic	0.0026J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:27	7440-38-2	
Barium	0.036	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:27	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:27	7440-48-4	
Copper	0.00068J	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:27	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:27	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:48	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	454	mg/L	20.0	20.0	1		02/03/22 12:41		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	345	mg/L	5.0	1.8	1		02/08/22 22:12		
Alkalinity,Bicarbonate (CaCO3)	345	mg/L	5.0	1.8	1		02/08/22 22:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:12		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWC-23R** Lab ID: **92585058027** Collected: 01/28/22 11:07 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/06/22 04:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 04:59	16984-48-8	
Sulfate	98.4	mg/L	2.0	1.0	2		02/06/22 07:35	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: GWC-24R **Lab ID: 92585058028** Collected: 01/28/22 10:35 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/01/22 17:22		
pH	7.68	Std. Units			1		02/01/22 17:22		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:41	7440-66-6	
Potassium	0.87	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:41	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:41	7440-23-5	
Calcium	34.4	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:41	7440-70-2	
Magnesium	18.9	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:41	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:33	7440-36-0	
Arsenic	0.0021J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:33	7440-38-2	
Barium	0.025	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:33	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:33	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:33	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:33	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:33	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:33	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:33	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:33	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:51	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	159	mg/L	10.0	10.0	1		02/03/22 12:41		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	148	mg/L	5.0	1.8	1		02/08/22 22:20		
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	1.8	1		02/08/22 22:20		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:20		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Sample: **GWC-24R** Lab ID: **92585058028** Collected: 01/28/22 10:35 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		02/06/22 05:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 05:41	16984-48-8	
Sulfate	2.3	mg/L	1.0	0.50	1		02/06/22 05:41	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: DUP-3		Lab ID: 92585058029		Collected: 01/28/22 00:00		Received: 02/01/22 11:22		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:46	7440-66-6		
Potassium	0.83	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:46	7440-09-7		
Sodium	1.6	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:46	7440-23-5		
Calcium	33.5	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:46	7440-70-2		
Magnesium	18.5	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:46	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:39	7440-36-0		
Arsenic	0.0015J	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:39	7440-38-2		
Barium	0.023	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:39	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:39	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:39	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:39	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:39	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:39	7440-48-4		
Copper	0.00054J	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:39	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:39	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:39	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:39	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:39	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:39	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:39	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/08/22 15:00	02/09/22 09:53	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	156	mg/L	10.0	10.0	1		02/03/22 12:42			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	148	mg/L	5.0	1.8	1		02/08/22 22:25			
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	1.8	1		02/08/22 22:25			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:25			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.2	mg/L	1.0	0.60	1		02/06/22 05:55	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/06/22 05:55	16984-48-8		
Sulfate	2.3	mg/L	1.0	0.50	1		02/06/22 05:55	14808-79-8		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Sample: FB-4		Lab ID: 92585058030		Collected: 01/28/22 11:55	Received: 02/01/22 11:22	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/10/22 08:25	02/10/22 18:56	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/10/22 08:25	02/10/22 18:56	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/10/22 08:25	02/10/22 18:56	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/10/22 08:25	02/10/22 18:56	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/10/22 08:25	02/10/22 18:56	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	02/11/22 10:29	02/14/22 18:45	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:45	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/11/22 10:29	02/14/22 18:45	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/11/22 10:29	02/14/22 18:45	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/11/22 10:29	02/14/22 18:45	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/11/22 10:29	02/14/22 18:45	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/11/22 10:29	02/14/22 18:45	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/11/22 10:29	02/14/22 18:45	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/11/22 10:29	02/14/22 18:45	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/11/22 10:29	02/14/22 18:45	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/11/22 10:29	02/14/22 18:45	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/11/22 10:29	02/14/22 18:45	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/11/22 10:29	02/14/22 18:45	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/11/22 10:29	02/14/22 18:45	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/11/22 10:29	02/14/22 18:45	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 11:00	02/09/22 15:40	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/03/22 12:42			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/08/22 22:37			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:37			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:37			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/07/22 00:27	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 00:27	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/07/22 00:27	14808-79-8		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	676146	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples:	92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012		

METHOD BLANK:	3539086	Matrix:	Water
Associated Lab Samples:	92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/07/22 20:25	
Magnesium	mg/L	ND	0.050	0.012	02/07/22 20:25	
Potassium	mg/L	ND	0.20	0.15	02/07/22 20:25	
Sodium	mg/L	ND	1.0	0.58	02/07/22 20:25	
Zinc	mg/L	ND	0.020	0.0085	02/07/22 20:25	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.98J	98	80-120	
Magnesium	mg/L	1	1.0	103	80-120	
Potassium	mg/L	1	0.99	99	80-120	
Sodium	mg/L	1	1.1	106	80-120	
Zinc	mg/L	1	0.98	98	80-120	

Parameter	Units	3539088		3539089		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Calcium	mg/L	1.1	1	2.1	2.1	102	100	75-125	1	20	
Magnesium	mg/L	0.44	1	1.5	1.5	102	103	75-125	1	20	
Potassium	mg/L	0.46	1	1.4	1.4	94	96	75-125	1	20	
Sodium	mg/L	3.5	1	4.6	4.5	104	97	75-125	2	20	
Zinc	mg/L	ND	1	0.98	0.98	98	98	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 677117 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 3543806 Matrix: Water
 Associated Lab Samples: 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/10/22 16:30	
Magnesium	mg/L	ND	0.050	0.012	02/10/22 16:30	
Potassium	mg/L	ND	0.20	0.15	02/10/22 16:30	
Sodium	mg/L	ND	1.0	0.58	02/10/22 16:30	
Zinc	mg/L	ND	0.020	0.0085	02/10/22 16:30	

LABORATORY CONTROL SAMPLE: 3543807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	107	80-120	
Magnesium	mg/L	1	1.1	110	80-120	
Potassium	mg/L	1	1.0	104	80-120	
Sodium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543808 3543809

Parameter	Units	3543808		3543809		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	29.3	1	31.1	31.5	174	218	75-125	1	20	M1
Magnesium	mg/L	16.4	1	18.1	18.1	172	172	75-125	0	20	M1
Potassium	mg/L	0.63	1	1.7	1.7	104	108	75-125	3	20	
Sodium	mg/L	1.4	1	2.4	2.4	99	105	75-125	2	20	
Zinc	mg/L	ND	1	0.96	1.0	96	100	75-125	4	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

QC Batch: 677120 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007,
 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014,
 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020

METHOD BLANK: 3543812 Matrix: Water
 Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007,
 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014,
 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/11/22 18:24	
Arsenic	mg/L	ND	0.0050	0.0011	02/11/22 18:24	
Barium	mg/L	ND	0.0050	0.00067	02/11/22 18:24	
Beryllium	mg/L	ND	0.00050	0.000054	02/11/22 18:24	
Boron	mg/L	ND	0.040	0.0086	02/11/22 18:24	
Cadmium	mg/L	ND	0.00050	0.00011	02/11/22 18:24	
Chromium	mg/L	ND	0.0050	0.0011	02/11/22 18:24	
Cobalt	mg/L	ND	0.0050	0.00039	02/11/22 18:24	
Copper	mg/L	ND	0.0050	0.00050	02/11/22 18:24	
Lead	mg/L	ND	0.0010	0.00089	02/11/22 18:24	
Nickel	mg/L	ND	0.0050	0.00071	02/11/22 18:24	
Selenium	mg/L	ND	0.0050	0.0014	02/11/22 18:24	
Silver	mg/L	ND	0.0050	0.00044	02/11/22 18:24	
Thallium	mg/L	ND	0.0010	0.00018	02/11/22 18:24	
Vanadium	mg/L	ND	0.010	0.0019	02/11/22 18:24	

LABORATORY CONTROL SAMPLE: 3543813

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	108	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.10	105	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	105	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Nickel	mg/L	0.1	0.11	106	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	104	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Parameter	Units	92585058002		3543814		3543815		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	110	75-125	6	20			
Arsenic	mg/L	0.0030J	0.1	0.1	0.10	0.10	97	97	75-125	1	20			
Barium	mg/L	0.023	0.1	0.1	0.13	0.14	106	122	75-125	11	20			
Beryllium	mg/L	ND	0.1	0.1	0.10	0.11	102	108	75-125	6	20			
Boron	mg/L	ND	1	1	1.0	1.1	102	109	75-125	7	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	2	20			
Chromium	mg/L	0.0012J	0.1	0.1	0.098	0.10	97	99	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.095	0.10	95	100	75-125	5	20			
Copper	mg/L	ND	0.1	0.1	0.095	0.099	94	99	75-125	4	20			
Lead	mg/L	ND	0.1	0.1	0.094	0.099	94	99	75-125	5	20			
Nickel	mg/L	ND	0.1	0.1	0.096	0.10	96	102	75-125	6	20			
Selenium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20			
Silver	mg/L	ND	0.1	0.1	0.099	0.11	99	105	75-125	6	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	5	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	98	102	75-125	4	20			

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

QC Batch: 677647 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 3546468 Matrix: Water
 Associated Lab Samples: 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00078J	0.0030	0.00078	02/14/22 14:43	
Arsenic	mg/L	ND	0.0050	0.0011	02/14/22 14:43	
Barium	mg/L	ND	0.0050	0.00067	02/14/22 14:43	
Beryllium	mg/L	ND	0.00050	0.000054	02/14/22 14:43	
Boron	mg/L	ND	0.040	0.0086	02/14/22 14:43	
Cadmium	mg/L	ND	0.00050	0.00011	02/14/22 14:43	
Chromium	mg/L	ND	0.0050	0.0011	02/14/22 14:43	
Cobalt	mg/L	ND	0.0050	0.00039	02/14/22 14:43	
Copper	mg/L	ND	0.0050	0.00050	02/14/22 14:43	
Lead	mg/L	ND	0.0010	0.00089	02/14/22 14:43	
Nickel	mg/L	ND	0.0050	0.00071	02/14/22 14:43	
Selenium	mg/L	ND	0.0050	0.0014	02/14/22 14:43	
Silver	mg/L	ND	0.0050	0.00044	02/14/22 14:43	
Thallium	mg/L	ND	0.0010	0.00018	02/14/22 14:43	
Vanadium	mg/L	ND	0.010	0.0019	02/14/22 14:43	

LABORATORY CONTROL SAMPLE: 3546469

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	109	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	103	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	101	80-120	
Cadmium	mg/L	0.1	0.11	107	80-120	
Chromium	mg/L	0.1	0.11	107	80-120	
Cobalt	mg/L	0.1	0.11	108	80-120	
Copper	mg/L	0.1	0.10	102	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.11	107	80-120	
Selenium	mg/L	0.1	0.10	100	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	
Vanadium	mg/L	0.1	0.11	105	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Parameter	Units	92585058023		3546470		3546471		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	0.027	0.1	0.1	0.13	0.14	107	110	75-125	3	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	1	20			
Barium	mg/L	0.049	0.1	0.1	0.16	0.17	115	119	75-125	3	20			
Beryllium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20			
Boron	mg/L	0.021J	1	1	0.95	0.96	93	94	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	105	105	75-125	0	20			
Chromium	mg/L	0.0011J	0.1	0.1	0.10	0.10	104	100	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.095	100	95	75-125	6	20			
Copper	mg/L	0.00088J	0.1	0.1	0.097	0.091	96	91	75-125	6	20			
Lead	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	0	20			
Nickel	mg/L	0.0063	0.1	0.1	0.11	0.099	99	92	75-125	7	20			
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	99	102	75-125	3	20			
Silver	mg/L	ND	0.1	0.1	0.099	0.10	99	101	75-125	3	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	106	101	75-125	5	20			

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	676529	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009

METHOD BLANK: 3541084 Matrix: Water

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008, 92585058009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/08/22 14:45	

LABORATORY CONTROL SAMPLE: 3541085

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541086 3541087

Parameter	Units	92583955017 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0023	90	87	75-125	3	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 676728 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

METHOD BLANK: 3541855 Matrix: Water
 Associated Lab Samples: 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022, 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 08:40	

LABORATORY CONTROL SAMPLE: 3541856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0022	89	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3541857 3541858

Parameter	Units	92585058010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0023	0.0024	92	94	75-125	2	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

QC Batch: 677024	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058030

METHOD BLANK: 3543214 Matrix: Water
 Associated Lab Samples: 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 15:30	

LABORATORY CONTROL SAMPLE: 3543215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0025	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543216 3543217

Parameter	Units	3543216		3543217		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92585717001 ND	0.0025	0.0025	0.0025	0.0024	98	95	75-125	4	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 675202

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

METHOD BLANK: 3533883

Matrix: Water

Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/01/22 14:06	

LABORATORY CONTROL SAMPLE: 3533884

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 3533885

Parameter	Units	92584543008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	57.0	52.0	9	25	

SAMPLE DUPLICATE: 3533886

Parameter	Units	92585000001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	56.0	66.0	16	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 675522

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013

METHOD BLANK: 3535377

Matrix: Water

Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/02/22 17:20	

LABORATORY CONTROL SAMPLE: 3535378

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	382	96	80-120	

SAMPLE DUPLICATE: 3535379

Parameter	Units	92583955021 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	290	301	4	25	

SAMPLE DUPLICATE: 3535380

Parameter	Units	92584814001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	4960000 ug/L	4580	8	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 675523

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

METHOD BLANK: 3535385

Matrix: Water

Associated Lab Samples: 92585058014, 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/02/22 17:42	

LABORATORY CONTROL SAMPLE: 3535386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	382	96	80-120	

SAMPLE DUPLICATE: 3535387

Parameter	Units	92585058014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3535388

Parameter	Units	92585058019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	168	193	14	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 675783

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 3536822

Matrix: Water

Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/03/22 12:37	

LABORATORY CONTROL SAMPLE: 3536823

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	376	94	80-120	

SAMPLE DUPLICATE: 3536824

Parameter	Units	92584785018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	274	288	5	25	

SAMPLE DUPLICATE: 3536825

Parameter	Units	92583603003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	155	146	6	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 796924 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

METHOD BLANK: 4235804 Matrix: Water
 Associated Lab Samples: 92585058001, 92585058002, 92585058003, 92585058004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/03/22 14:42	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 14:42	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 14:42	

LABORATORY CONTROL SAMPLE & LCSD: 4235805 4235806

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.8	42.0	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4235807 4235808

Parameter	Units	10595854005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	127	40	40	166	166	99	98	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4235809 4235810

Parameter	Units	92585058002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	132	40	40	171	170	98	97	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

QC Batch: 797156 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014

METHOD BLANK: 4236642 Matrix: Water
 Associated Lab Samples: 92585058005, 92585058006, 92585058007, 92585058008, 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/03/22 20:09	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 20:09	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/03/22 20:09	

LABORATORY CONTROL SAMPLE & LCSD: 4236643 4236644

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.2	42.2	106	106	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236645 4236646

Parameter	Units	10595801002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	73.8	40	40	114	114	101	102	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236647 4236648

Parameter	Units	10595871007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	884	40	40	923	924	98	100	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

QC Batch: 797193 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

METHOD BLANK: 4236738 Matrix: Water
 Associated Lab Samples: 92585058015, 92585058016, 92585058017, 92585058018, 92585058019, 92585058020, 92585058021, 92585058022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/04/22 14:59	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/04/22 14:59	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/04/22 14:59	

LABORATORY CONTROL SAMPLE & LCSD: 4236739 4236740

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.0	41.9	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236741 4236742

Parameter	Units	10595930001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	191	40	40	229	231	95	99	80-120	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4236743 4236744

Parameter	Units	10595930002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	82.0	40	40	121	121	98	98	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch: 797866 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

METHOD BLANK: 4239372 Matrix: Water
 Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029, 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	

LABORATORY CONTROL SAMPLE & LCSD: 4239373 4239374

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.8	41.3	104	103	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4239375 4239376

Parameter	Units	10596751001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.6	40	40	53.6	59.6	78	93	80-120	10	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4239377 4239378

Parameter	Units	92585555002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	84.2	40	40	121	124	92	100	80-120	2	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	675177	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008		

METHOD BLANK:	3533812	Matrix:	Water
Associated Lab Samples:	92585058001, 92585058002, 92585058003, 92585058004, 92585058005, 92585058006, 92585058007, 92585058008		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/01/22 19:53	
Fluoride	mg/L	ND	0.10	0.050	02/01/22 19:53	
Sulfate	mg/L	ND	1.0	0.50	02/01/22 19:53	

LABORATORY CONTROL SAMPLE: 3533813						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.1	106	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3533814												3533815	
Parameter	Units	92584984011 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	5.8	50	50	56.4	57.4	101	103	90-110	2	10		
Fluoride	mg/L	0.48	2.5	2.5	2.9	3.0	98	100	90-110	2	10		
Sulfate	mg/L	27.5	50	50	77.3	79.0	99	103	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3533816												3533817	
Parameter	Units	92584984021 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	7.7	50	50	59.9	57.3	104	99	90-110	4	10		
Fluoride	mg/L	0.19	2.5	2.5	2.6	2.4	95	90	90-110	5	10		
Sulfate	mg/L	87.5	50	50	115	114	56	52	90-110	1	10 M1		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

QC Batch: 675178 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018

METHOD BLANK: 3533818 Matrix: Water
 Associated Lab Samples: 92585058009, 92585058010, 92585058011, 92585058012, 92585058013, 92585058014, 92585058015, 92585058016, 92585058017, 92585058018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/02/22 03:33	
Fluoride	mg/L	ND	0.10	0.050	02/02/22 03:33	
Sulfate	mg/L	ND	1.0	0.50	02/02/22 03:33	

LABORATORY CONTROL SAMPLE: 3533819

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	48.4	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3533820 3533821

Parameter	Units	92585058009		3533821		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	2.4	50	50	56.3	53.9	108	103	90-110	4	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.4	101	96	90-110	5	10
Sulfate	mg/L	1.6	50	50	55.3	54.4	107	106	90-110	2	10

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	675484	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585058019, 92585058020, 92585058021, 92585058022

METHOD BLANK: 3535178 Matrix: Water
 Associated Lab Samples: 92585058019, 92585058020, 92585058021, 92585058022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/04/22 12:13	
Fluoride	mg/L	ND	0.10	0.050	02/04/22 12:13	
Sulfate	mg/L	ND	1.0	0.50	02/04/22 12:13	

LABORATORY CONTROL SAMPLE: 3535179

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.4	101	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	49.3	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3535180 3535181

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92585451002 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	65.5	50	50	101	102	71	74	90-110	1	10	M1	
Fluoride	mg/L	0.46	2.5	2.5	2.9	2.9	97	97	90-110	0	10		
Sulfate	mg/L	122	50	50	169	170	94	96	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3535182 3535183

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92584785016 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	4.9	50	50	57.1	56.8	104	104	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10		
Sulfate	mg/L	89.9	50	50	117	117	54	55	90-110	0	10	M1	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

QC Batch: 676288 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

METHOD BLANK: 3539901 Matrix: Water
Associated Lab Samples: 92585058023, 92585058024, 92585058025, 92585058026, 92585058027, 92585058028, 92585058029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/22 17:16	
Fluoride	mg/L	ND	0.10	0.050	02/06/22 17:16	
Sulfate	mg/L	ND	1.0	0.50	02/06/22 17:16	

LABORATORY CONTROL SAMPLE: 3539902

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.2	104	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.9	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3539903 3539904

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92586144012	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	4.2	50	50	63.7	64.4	119	120	90-110	1	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.9	2.9	113	116	90-110	2	10	M1	
Sulfate	mg/L	3.0	50	50	62.0	62.7	118	119	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3539905 3539906

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92586259001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	46.0	50	50	84.0	85.4	76	79	90-110	2	10	M1	
Fluoride	mg/L	9.9	2.5	2.5	11.5	10.9	64	38	90-110	6	10	M1	
Sulfate	mg/L	750	50	50	782	783	64	65	90-110	0	10	M1	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

QC Batch:	676332	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92585058030

METHOD BLANK: 3540061 Matrix: Water

Associated Lab Samples: 92585058030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/22 23:27	
Fluoride	mg/L	ND	0.10	0.050	02/06/22 23:27	
Sulfate	mg/L	ND	1.0	0.50	02/06/22 23:27	

LABORATORY CONTROL SAMPLE: 3540062

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.3	95	90-110	
Fluoride	mg/L	2.5	2.3	92	90-110	
Sulfate	mg/L	50	45.8	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540063 3540064

Parameter	Units	92585058030		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	ND	50	50	48.9	49.4	98	99	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	92	93	90-110	1	10		
Sulfate	mg/L	ND	50	50	48.2	48.7	96	97	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540065 3540066

Parameter	Units	9258555010		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	4.8	50	50	55.6	55.1	102	101	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10		
Sulfate	mg/L	1.2	50	50	51.6	51.1	101	100	90-110	1	10		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

BC The same analyte was detected in an associated blank at a concentration above 1/2 the reporting limit but below the laboratory reporting limit.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058001	GWA-38				
92585058002	GWA-52				
92585058003	GWA-54				
92585058005	GWA-36RA				
92585058006	GWA-37				
92585058007	GWA-51RZ				
92585058008	GWA-53				
92585058009	GWA-53R				
92585058010	GWA-55				
92585058011	GWA-56				
92585058015	GWC-18R				
92585058016	GWC-19R				
92585058017	GWC-20R				
92585058018	GWC-22R				
92585058019	GWC-25R				
92585058020	GWA-55R				
92585058023	GWC-16R				
92585058024	GWC-17R				
92585058025	GWC-18				
92585058026	GWC-21R				
92585058027	GWC-23R				
92585058028	GWC-24R				
92585058001	GWA-38	EPA 3010A	676146	EPA 6010D	676271
92585058002	GWA-52	EPA 3010A	676146	EPA 6010D	676271
92585058003	GWA-54	EPA 3010A	676146	EPA 6010D	676271
92585058004	FB-1	EPA 3010A	676146	EPA 6010D	676271
92585058005	GWA-36RA	EPA 3010A	676146	EPA 6010D	676271
92585058006	GWA-37	EPA 3010A	676146	EPA 6010D	676271
92585058007	GWA-51RZ	EPA 3010A	676146	EPA 6010D	676271
92585058008	GWA-53	EPA 3010A	676146	EPA 6010D	676271
92585058009	GWA-53R	EPA 3010A	676146	EPA 6010D	676271
92585058010	GWA-55	EPA 3010A	676146	EPA 6010D	676271
92585058011	GWA-56	EPA 3010A	676146	EPA 6010D	676271
92585058012	DUP-1	EPA 3010A	676146	EPA 6010D	676271
92585058013	FB-2	EPA 3010A	677117	EPA 6010D	677432
92585058014	EB-1	EPA 3010A	677117	EPA 6010D	677432
92585058015	GWC-18R	EPA 3010A	677117	EPA 6010D	677432
92585058016	GWC-19R	EPA 3010A	677117	EPA 6010D	677432
92585058017	GWC-20R	EPA 3010A	677117	EPA 6010D	677432
92585058018	GWC-22R	EPA 3010A	677117	EPA 6010D	677432
92585058019	GWC-25R	EPA 3010A	677117	EPA 6010D	677432
92585058020	GWA-55R	EPA 3010A	677117	EPA 6010D	677432
92585058021	DUP-2	EPA 3010A	677117	EPA 6010D	677432
92585058022	FB-3	EPA 3010A	677117	EPA 6010D	677432
92585058023	GWC-16R	EPA 3010A	677117	EPA 6010D	677432
92585058024	GWC-17R	EPA 3010A	677117	EPA 6010D	677432
92585058025	GWC-18	EPA 3010A	677117	EPA 6010D	677432
92585058026	GWC-21R	EPA 3010A	677117	EPA 6010D	677432

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058027	GWC-23R	EPA 3010A	677117	EPA 6010D	677432
92585058028	GWC-24R	EPA 3010A	677117	EPA 6010D	677432
92585058029	DUP-3	EPA 3010A	677117	EPA 6010D	677432
92585058030	FB-4	EPA 3010A	677117	EPA 6010D	677432
92585058001	GWA-38	EPA 3005A	677120	EPA 6020B	677422
92585058002	GWA-52	EPA 3005A	677120	EPA 6020B	677422
92585058003	GWA-54	EPA 3005A	677120	EPA 6020B	677422
92585058004	FB-1	EPA 3005A	677120	EPA 6020B	677422
92585058005	GWA-36RA	EPA 3005A	677120	EPA 6020B	677422
92585058006	GWA-37	EPA 3005A	677120	EPA 6020B	677422
92585058007	GWA-51RZ	EPA 3005A	677120	EPA 6020B	677422
92585058008	GWA-53	EPA 3005A	677120	EPA 6020B	677422
92585058009	GWA-53R	EPA 3005A	677120	EPA 6020B	677422
92585058010	GWA-55	EPA 3005A	677120	EPA 6020B	677422
92585058011	GWA-56	EPA 3005A	677120	EPA 6020B	677422
92585058012	DUP-1	EPA 3005A	677120	EPA 6020B	677422
92585058013	FB-2	EPA 3005A	677120	EPA 6020B	677422
92585058014	EB-1	EPA 3005A	677120	EPA 6020B	677422
92585058015	GWC-18R	EPA 3005A	677120	EPA 6020B	677422
92585058016	GWC-19R	EPA 3005A	677120	EPA 6020B	677422
92585058017	GWC-20R	EPA 3005A	677120	EPA 6020B	677422
92585058018	GWC-22R	EPA 3005A	677120	EPA 6020B	677422
92585058019	GWC-25R	EPA 3005A	677120	EPA 6020B	677422
92585058020	GWA-55R	EPA 3005A	677120	EPA 6020B	677422
92585058021	DUP-2	EPA 3005A	677647	EPA 6020B	677773
92585058022	FB-3	EPA 3005A	677647	EPA 6020B	677773
92585058023	GWC-16R	EPA 3005A	677647	EPA 6020B	677773
92585058024	GWC-17R	EPA 3005A	677647	EPA 6020B	677773
92585058025	GWC-18	EPA 3005A	677647	EPA 6020B	677773
92585058026	GWC-21R	EPA 3005A	677647	EPA 6020B	677773
92585058027	GWC-23R	EPA 3005A	677647	EPA 6020B	677773
92585058028	GWC-24R	EPA 3005A	677647	EPA 6020B	677773
92585058029	DUP-3	EPA 3005A	677647	EPA 6020B	677773
92585058030	FB-4	EPA 3005A	677647	EPA 6020B	677773
92585058001	GWA-38	EPA 7470A	676529	EPA 7470A	676769
92585058002	GWA-52	EPA 7470A	676529	EPA 7470A	676769
92585058003	GWA-54	EPA 7470A	676529	EPA 7470A	676769
92585058004	FB-1	EPA 7470A	676529	EPA 7470A	676769
92585058005	GWA-36RA	EPA 7470A	676529	EPA 7470A	676769
92585058006	GWA-37	EPA 7470A	676529	EPA 7470A	676769
92585058007	GWA-51RZ	EPA 7470A	676529	EPA 7470A	676769
92585058008	GWA-53	EPA 7470A	676529	EPA 7470A	676769
92585058009	GWA-53R	EPA 7470A	676529	EPA 7470A	676769
92585058010	GWA-55	EPA 7470A	676728	EPA 7470A	676959
92585058011	GWA-56	EPA 7470A	676728	EPA 7470A	676959
92585058012	DUP-1	EPA 7470A	676728	EPA 7470A	676959
92585058013	FB-2	EPA 7470A	676728	EPA 7470A	676959

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058014	EB-1	EPA 7470A	676728	EPA 7470A	676959
92585058015	GWC-18R	EPA 7470A	676728	EPA 7470A	676959
92585058016	GWC-19R	EPA 7470A	676728	EPA 7470A	676959
92585058017	GWC-20R	EPA 7470A	676728	EPA 7470A	676959
92585058018	GWC-22R	EPA 7470A	676728	EPA 7470A	676959
92585058019	GWC-25R	EPA 7470A	676728	EPA 7470A	676959
92585058020	GWA-55R	EPA 7470A	676728	EPA 7470A	676959
92585058021	DUP-2	EPA 7470A	676728	EPA 7470A	676959
92585058022	FB-3	EPA 7470A	676728	EPA 7470A	676959
92585058023	GWC-16R	EPA 7470A	676728	EPA 7470A	676959
92585058024	GWC-17R	EPA 7470A	676728	EPA 7470A	676959
92585058025	GWC-18	EPA 7470A	676728	EPA 7470A	676959
92585058026	GWC-21R	EPA 7470A	676728	EPA 7470A	676959
92585058027	GWC-23R	EPA 7470A	676728	EPA 7470A	676959
92585058028	GWC-24R	EPA 7470A	676728	EPA 7470A	676959
92585058029	DUP-3	EPA 7470A	676728	EPA 7470A	676959
92585058030	FB-4	EPA 7470A	677024	EPA 7470A	677121
92585058001	GWA-38	SM 2540C-2015	675202		
92585058002	GWA-52	SM 2540C-2015	675202		
92585058003	GWA-54	SM 2540C-2015	675202		
92585058004	FB-1	SM 2540C-2015	675202		
92585058005	GWA-36RA	SM 2540C-2015	675522		
92585058006	GWA-37	SM 2540C-2015	675522		
92585058007	GWA-51RZ	SM 2540C-2015	675522		
92585058008	GWA-53	SM 2540C-2015	675522		
92585058009	GWA-53R	SM 2540C-2015	675522		
92585058010	GWA-55	SM 2540C-2015	675522		
92585058011	GWA-56	SM 2540C-2015	675522		
92585058012	DUP-1	SM 2540C-2015	675522		
92585058013	FB-2	SM 2540C-2015	675522		
92585058014	EB-1	SM 2540C-2015	675523		
92585058015	GWC-18R	SM 2540C-2015	675523		
92585058016	GWC-19R	SM 2540C-2015	675523		
92585058017	GWC-20R	SM 2540C-2015	675523		
92585058018	GWC-22R	SM 2540C-2015	675523		
92585058019	GWC-25R	SM 2540C-2015	675523		
92585058020	GWA-55R	SM 2540C-2015	675523		
92585058021	DUP-2	SM 2540C-2015	675523		
92585058022	FB-3	SM 2540C-2015	675523		
92585058023	GWC-16R	SM 2540C-2015	675783		
92585058024	GWC-17R	SM 2540C-2015	675783		
92585058025	GWC-18	SM 2540C-2015	675783		
92585058026	GWC-21R	SM 2540C-2015	675783		
92585058027	GWC-23R	SM 2540C-2015	675783		
92585058028	GWC-24R	SM 2540C-2015	675783		
92585058029	DUP-3	SM 2540C-2015	675783		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058030	FB-4	SM 2540C-2015	675783		
92585058001	GWA-38	SM 2320B	796924		
92585058002	GWA-52	SM 2320B	796924		
92585058003	GWA-54	SM 2320B	796924		
92585058004	FB-1	SM 2320B	796924		
92585058005	GWA-36RA	SM 2320B	797156		
92585058006	GWA-37	SM 2320B	797156		
92585058007	GWA-51RZ	SM 2320B	797156		
92585058008	GWA-53	SM 2320B	797156		
92585058009	GWA-53R	SM 2320B	797156		
92585058010	GWA-55	SM 2320B	797156		
92585058011	GWA-56	SM 2320B	797156		
92585058012	DUP-1	SM 2320B	797156		
92585058013	FB-2	SM 2320B	797156		
92585058014	EB-1	SM 2320B	797156		
92585058015	GWC-18R	SM 2320B	797193		
92585058016	GWC-19R	SM 2320B	797193		
92585058017	GWC-20R	SM 2320B	797193		
92585058018	GWC-22R	SM 2320B	797193		
92585058019	GWC-25R	SM 2320B	797193		
92585058020	GWA-55R	SM 2320B	797193		
92585058021	DUP-2	SM 2320B	797193		
92585058022	FB-3	SM 2320B	797193		
92585058023	GWC-16R	SM 2320B	797866		
92585058024	GWC-17R	SM 2320B	797866		
92585058025	GWC-18	SM 2320B	797866		
92585058026	GWC-21R	SM 2320B	797866		
92585058027	GWC-23R	SM 2320B	797866		
92585058028	GWC-24R	SM 2320B	797866		
92585058029	DUP-3	SM 2320B	797866		
92585058030	FB-4	SM 2320B	797866		
92585058001	GWA-38	EPA 300.0 Rev 2.1 1993	675177		
92585058002	GWA-52	EPA 300.0 Rev 2.1 1993	675177		
92585058003	GWA-54	EPA 300.0 Rev 2.1 1993	675177		
92585058004	FB-1	EPA 300.0 Rev 2.1 1993	675177		
92585058005	GWA-36RA	EPA 300.0 Rev 2.1 1993	675177		
92585058006	GWA-37	EPA 300.0 Rev 2.1 1993	675177		
92585058007	GWA-51RZ	EPA 300.0 Rev 2.1 1993	675177		
92585058008	GWA-53	EPA 300.0 Rev 2.1 1993	675177		
92585058009	GWA-53R	EPA 300.0 Rev 2.1 1993	675178		
92585058010	GWA-55	EPA 300.0 Rev 2.1 1993	675178		
92585058011	GWA-56	EPA 300.0 Rev 2.1 1993	675178		
92585058012	DUP-1	EPA 300.0 Rev 2.1 1993	675178		
92585058013	FB-2	EPA 300.0 Rev 2.1 1993	675178		
92585058014	EB-1	EPA 300.0 Rev 2.1 1993	675178		
92585058015	GWC-18R	EPA 300.0 Rev 2.1 1993	675178		

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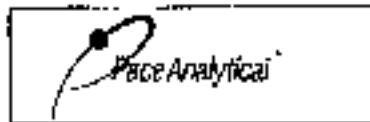
QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92585058

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585058016	GWC-19R	EPA 300.0 Rev 2.1 1993	675178		
92585058017	GWC-20R	EPA 300.0 Rev 2.1 1993	675178		
92585058018	GWC-22R	EPA 300.0 Rev 2.1 1993	675178		
92585058019	GWC-25R	EPA 300.0 Rev 2.1 1993	675484		
92585058020	GWA-55R	EPA 300.0 Rev 2.1 1993	675484		
92585058021	DUP-2	EPA 300.0 Rev 2.1 1993	675484		
92585058022	FB-3	EPA 300.0 Rev 2.1 1993	675484		
92585058023	GWC-16R	EPA 300.0 Rev 2.1 1993	676288		
92585058024	GWC-17R	EPA 300.0 Rev 2.1 1993	676288		
92585058025	GWC-18	EPA 300.0 Rev 2.1 1993	676288		
92585058026	GWC-21R	EPA 300.0 Rev 2.1 1993	676288		
92585058027	GWC-23R	EPA 300.0 Rev 2.1 1993	676288		
92585058028	GWC-24R	EPA 300.0 Rev 2.1 1993	676288		
92585058029	DUP-3	EPA 300.0 Rev 2.1 1993	676288		
92585058030	FB-4	EPA 300.0 Rev 2.1 1993	676332		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 13, 2021
Page 1 of 2
Issuing Authority:
Pace Carolina's Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #: **WO#: 92585058**

Carrier: Commercial Fed Ex UPS USPS Client Other



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: MA 11/28/22

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Fragment? Yes No N/A

Thermometer: IR Gun C. 2.04 Type of Ice: Yes No None

Cooler Temp: 5.0 Correction Factor: Add/Subtract (°C) 0.01

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.1

USDA Regulated Soil; N/A, water sample

Did samples originate in a quarantine zone within the United States, CA, HI, or SC (check maps)? Yes No
Did samples originate from a foreign source (internationally including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (472 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	6.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Includes Date/Time/ID/Analyte Matrix: <u>WT</u>			
Headspace in VOA Vials (>5mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY _____ Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION _____ LO, ID of spill containers

Person contacted, _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Submitted Client Information: Company: GA Power Address: 1000 Woodmenboro Parkway Woodstock, GA 30188	Section B Requested Project Information: Region: Piedmont Project Name: Piedmont Lanesite Project Number: 1457	Section C Inches Information: Company Name: Southern Co. Address: 1457 City/State: Woodstock, GA	REGULATORY AGENCY: NRCOS LIST ACWA NCA OTHER	GROUND WATER DECONTAMINATING WATER OTHER
---	--	--	---	--

Section D Sample Information: Sample ID: JAC 0814 Sample Description: BENTONITE VOLUME: 40 L DATE: 11/15/11	Section E Collection Information: Matrix Code: 10-GRAS Sample Type: C-COMP Date: 11/15/11 Time: 11:00 AM Location: 1457 State: GA	Section F Preservatives: H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₈ Methanol Other	Section G Analysis Test: Metals - Trace Metals D.P. SW Total Carbonate Alk TDS	Section H Residue Overline (Y/N) PACIFIC PROJECT CONSULTING
--	--	--	---	---

ITEM #	SECTION D Sample Information	SECTION E Collection Information	SECTION F Preservatives	SECTION G Analysis Test	SECTION H Residue Overline (Y/N)
1	GW1000				
2	GW1001				
3	GW1002				
4	GW1003				
5	GW1004				
6	GW1005				
7	GW1006				
8	GW1007				
9	GW1008				
10	GW1009				
11	GW1010				
12	GW1011				

ADDITIONAL COMMENTS: No sample collected for this item.	RELINQUISHED BY / AFFILIATION: JAC	DATE: 11/15/11	ACCEPTED BY / AFFILIATION: [Signature]	DATE: 11/15/11	TIME: 11:00 AM	SAMPLE CONDITIONS: Temp: 10°C pH: 7.5 Turbidity: 10 NTU Other: None
--	---------------------------------------	-------------------	---	-------------------	-------------------	---

Handwritten signature

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. If an analytical result is reported incorrectly,

Page: 2 of 3

Section A
 Requester Name: Woodstock Gas 20188
 Requester Address: 1003 Westwindstone Parkway
 Requester City/State: Woodstock GA 30188
 Requester Phone: 770-540-1616
 Requester Email: Requester@WoodstockGA.com

Section B
 Requested Project Address: Project Name: PUMP BOOMER LINDSEY
 Requested Project Address: Project Address: 2528

Section C
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section D
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section E
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section F
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section G
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section H
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section I
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section J
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section K
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section L
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section M
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section N
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section O
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section P
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section Q
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section R
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section S
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section T
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section U
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section V
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section W
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section X
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section Y
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

Section Z
 Requested Project Address: Project Address: 2528
 Requested Project Address: Project Address: 2528

ITEM #	Description	Matrix Code	Sample Type	Collected			Sample Temp at Collection	# of Containers	Analysis Test	Requested Analysis Filtered (Y/N)	Remarks
				Date	Time	Location					
1	GWA-298										
2	GWA-299										
3	GWA-300										
4	GWA-301										
5	GWA-302										
6	GWA-303										
7	GWA-304										
8	GWA-305										
9	GWA-306										
10	GWA-307										
11	GWA-308										
12	GWA-309										

ANALYST COMMENTS

DELIVERED BY / APPLICATION

DATE

TIME

RECEIVED BY / APPLICATION

DATE

TIME

ANALYST NAME AND SIGNATURE

PRINT NAME OF SAMPLER

SIGNATURE OF SAMPLER

DATE SIGNED

INITIALS

TEMP IN °C

RECEIVED ON (Y/N)

CLEANLY SEALED COOLER (Y/N)

SAMPLES W/ST (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document
The Order-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 3 of 3

Section A
Requester Information
Requester: GA Power
Address: 1009 Westchstone Parkway
City: Marietta, GA 30066
Phone: (770) 424-4415
Requested Date: 12/28/12

Section B
Requested Project/Program
Request To: Kristin Johnson
Copy To: Rhonda Grant
Project Name: Plant Brown Landfill
Project Number: [blank]

Section C
Analytical Information
Quantity: 25GB
Reference: [blank]
Requester: Southern Co.
Company Name: [blank]

REGULATORY AGENCY: NDEP, GDE, USEP, RCRW, OTHER
GROUND WATER, DRINKING WATER, OTHER
Site Location: [blank]
STATE: GA

#	Location	Requested by	Date	Time	Requested Analysis	Collected		Sample Temp	# of Containers	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Other Project No./Lab ID
						DATE	TIME						
1	Plant Brown Landfill	GA Power	12/28/12	09:30	As requested	12/28/12	09:30	43	1	As requested	Y		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

ADDITIONAL COMMENTS: [blank]

REGULATORY AGENCY: [blank]

DATE: 12/28/12

TIME: 09:30

TEMPERATURE: [blank]

RESIDUAL CHLORINE: [blank]

OTHER PROJECT NO./LAB ID: [blank]

REGULATORY AGENCY: [blank]

DATE: [blank]

TIME: [blank]

TEMPERATURE: [blank]

RESIDUAL CHLORINE: [blank]

OTHER PROJECT NO./LAB ID: [blank]

REGULATORY AGENCY: [blank]

DATE: [blank]

TIME: [blank]

TEMPERATURE: [blank]

RESIDUAL CHLORINE: [blank]

OTHER PROJECT NO./LAB ID: [blank]

REGULATORY AGENCY: [blank]

DATE: [blank]

TIME: [blank]

TEMPERATURE: [blank]

RESIDUAL CHLORINE: [blank]

OTHER PROJECT NO./LAB ID: [blank]



CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Requester Contact Information
 Company: **GA Power**
 Address: **1003 Woodbridge Parkway, Woodstock, GA 30186**
 Contact: **Kevin Stephenson / Project Laboratory**

Section B
 Requester Project Information
 Project Name: **Richard J. Linnick**
 Project Number: **1989**

Section C
 Analytical Information
 Location: **Southport, Ga.**
 Company Name: **Southport**
 Address: **1003 Woodbridge Parkway, Woodstock, GA 30186**
 Project Name: **Richard J. Linnick**
 Project Number: **1989**

REGULATORY AGENCY
 NPDES GROUND WATER OPENING WATER
 UST RCRA OTHER

State: **GA**

Page: **1** of **3**

Section D
 Sample Information
 Sample ID: **GA-1989-01**
 Matrix Code: **10-DRAW**
 Sample Type: **10-DRAW**
 Date: **11/28/09**
 Time: **09:30**
 Sample Temp at Collection: **43**
 # of Containers: **1**

Preservatives:
 Unpreserved
 H₂SO₄
 HNO₃
 HCl
 NaOH
 H₂O₂
 Methanol
 Other

Analysis Test:
 Metals - trace metals
 P, F, SO₄
 Total Carbon/Total N
 TOC

Requested Analysis (P/N):

Residual Chlorine (Y/N): **Y**

Other Project Noted: **Lab ID**

ITEM #	Description	Matrix Code	Sample Type	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES	ANALYSIS TEST	DATE	TIME	ANALYST	METHOD	CONDITIONS
				DATE	TIME											
1	GA-1989-01		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
2	GA-1989-02		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
3	GA-1989-03		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
4	GA-1989-04		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
5	GA-1989-05		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
6	GA-1989-06		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
7	GA-1989-07		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
8	GA-1989-08		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
9	GA-1989-09		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
10	GA-1989-10		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
11	GA-1989-11		10-DRAW	11/28/09	09:30			43	1	Unpreserved						
12	GA-1989-12		10-DRAW	11/28/09	09:30			43	1	Unpreserved						

LABORER NAME AND SIGNATURE
 PRINT NAME OF LABORER: **Paul M. Hill**
 SIGNATURE OF LABORER: *Paul M. Hill*
 DATE SIGNED: **11/26/09**



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **3** of **3**

Section A
 Section B
 Section C

Section A: Client Information
 Project Name: **GA Power**
 Address: **1009 Westchase Parkway**
 City: **Atlanta, GA 30126**

Section B: Requested Project Information
 Requested Project Name: **Power Plant**
 Requested Project Location: **Power Plant**
 Project Number: **1009 Westchase Parkway**

Section C: Project Information
 Project Name: **GA Power**
 Project Location: **Power Plant**
 Project Number: **1009 Westchase Parkway**

REGULATORY AGENCY:
 NPDES: GROUND WATER: DRINKING WATER:
 UST: RCRA: OTHER:

SITE LOCATION: **GA**

ITEM #	Description of Sample	Matrix Code	Sample Type	COLLECTED			Sample Temp at Collection	# of Containers	Preservatives							Analysis Test	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	Phase Project No./ Lab ID.
				DATE	TIME	DATE			TIME	DATE	TIME	DATE	TIME	DATE	TIME				
1	SAMPLED 1/2 (1/2) Larger DO MUST BE INCLUE																		
2	DO-1																		
3	DO-2																		
4	DO-3																		
5	FBL-1																		
6	FBL-2																		
7	FBL-3																		
8	FBL-4																		
9	FBL-5																		
10	FBL-6																		
11	FBL-7																		
12	FBL-8																		
13	FBL-9																		
14	FBL-10																		
15	FBL-11																		
16	FBL-12																		
17	FBL-13																		
18	FBL-14																		
19	FBL-15																		
20	FBL-16																		
21	FBL-17																		
22	FBL-18																		
23	FBL-19																		
24	FBL-20																		

ADDITIONAL COMMENTS:
 1/2 (1/2)
 Larger DO MUST BE INCLUE

REQUIREMENTS BY JURISDICTION:

DATE: **1/28/04**

TIME: **11:28 AM**

ACCEPTED BY / AFFIRMATION: **McIver**

DATE: **1/28/04**

TIME:

TEMP IN °C:

RECEIVED ON (Y/N):

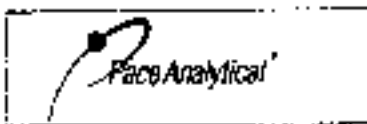
CURAPY SEALED COOLER (Y/N):

ANALYSE TRAP (Y/N):

PROJECT NAME: **GA Power**

DATE OF COLLECTION: **1/27/04**

INITIALS OF COLLECTOR: **McIver**



Document Name
Sample Condition Upon Receipt (SCUR)
Document No.:
P-CAR-C5-033-Rev.08

Document Revised: November 15, 2023
Page 1 of 2
Issuing Authority:
Pace Carolina's Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Setup - Check with
Upon Receipt

Client Name:

Get Power

Project:

WO# : 92585058

Courier: Fed Ex UPS USPS Client
 Commercial Other

PM: NWS Due Date: 02/11/22
CLIENT: QA-QA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *2/11/22*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: In Gun ID: *230* Type of Ice: Wet Blue None

Cooler Temp: *4.7* Correction Factor: *+0.2*
Add/Subtract (°C) *4.9*

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C):

USDA Regulated Soil (N/A, water sample)

Do samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
 Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
Pace Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match CDC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
Include Date/Time/ID/Analysis Matrix: <i>W</i>			
Headspace in VOA Vials (>6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Tip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Tip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

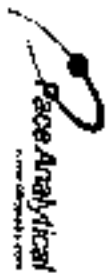
Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. An analytical Request must be completed accurately.

Section A Requested Client Information
 Company: **GA Power**
 Address: **1003 Westfield Parkway**
 Woodstock, GA 30186

Section B Requested Project Information
 Report to: **Western Jurisdiction**
 Day to: **Brands Hatch**

Section C Sample Information
 Sample ID: **WT 5**
 Date: **2/1/22**
 Time: **11:20**

Section D Regulatory Agency
 NRETS: **GROUND WATER**
 USE: **OTIER**
 RCRA: **OTIER**
 Other: **OTIER**

Section E Analytical Request
 Analytical Method: **WT 5**
 Matrix Code: **WT 5**
 Sample Type: **WT 5**

Well	Sample ID	Matrix Code	Sample Type	Collected		Sample Impact Collection	# of Containers	Preservatives							Analysis Test	Requested Analytical Method (Y/N)	Residual Chlorine (Y/N)	Sample Condition
				Date	Time			H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₈	Mercuric	Other				
1	WT 5	WT 5	WT 5	2/1/22	11:20		4										7.31	
2	WT 6	WT 6	WT 6	2/1/22	10:20		4										7.84	
3	WT 7	WT 7	WT 7	2/1/22	10:24		4										6.60	
4	WT 8	WT 8	WT 8															
5	WT 9	WT 9	WT 9															
6	WT 10	WT 10	WT 10															
7	WT 11	WT 11	WT 11															
8	WT 12	WT 12	WT 12															

APPROVAL SIGNATURES

Requested by / Application	Date	Time	Accepted by / Application	Date	Time	Sample Condition
William Lasker	2/1/22	0800	Araya Garner	2/1/22	0800	
Araya Garner	2/1/22	11:20	Kyle Williams	2/1/22	11:22	
Ray Williams	2/1/22	1700	Charles Hall	2/1/22	1700	

LABORATORY INFORMATION

Project Name of Sample: **Westfield Trace, Westfield Jurisdiction, Brands Hatch, RCRA/OTIER**

Signature of Analyst: **[Signature]**

Date of Report: **2/28/22**

Temp in °C: _____

Received in Ice:

Outside Baked Cooler (Y/N): _____

Sample Inlet (Y/N): _____



CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page 2 of 3

Section A
Requester: **GA Power**
Address: **7000 Westhollow Parkway Woodstock, GA 30189**
Phone: **(770) 946-6115**
Requested Date/Description: **10/20/07**

Section B
Requested Project Information:
Project Name: **Plant Bowen (Gen III) Cells 3 and 4**
Project Number: **19207**

Section C
Sample Information:
Sample ID: **19207**
Company Name: **Southwin Co.**
Address: **10000 N. 28th St. Farmington, MI 48335**
City/State/Zip: **Farmington, MI 48335**
Contact Name: **Nicole D. DeRo**
Phone: **734-287-2878**

REGULATORY AGENCY
 AIRS
 GROUND WATER
 DRINKING WATER
 LIST
 RCRA
 OTHER **Asst**

ID	Sample ID	Matrix Code	Sample Type	Collected		Sample Temp at Collection	# of Containers	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
				Date	Time						
1	GWC-20R			2/1/22	11:07		4	Unpreserved	<input checked="" type="checkbox"/> Heavy - Base Metals <input checked="" type="checkbox"/> P, P, S, S4 <input checked="" type="checkbox"/> TOC/Carbon/Chloride <input checked="" type="checkbox"/> PCB		
2	GWC-20R			2/1/22	10:35		3				
3	GWC-20R						3				
4	GWC-20R						1				
5	GWC-20R										
6	GWC-20R										
7	GWC-20R										
8	GWC-20R										
9	GWC-20R										
10	GWC-20R										
11	GWC-20R										
12	GWC-20R										

ADDITIONAL COMMENTS
 RECOMMENDED BY / EXPIRATION DATE TIME ACCEPTED BY / EXPIRATION DATE TIME

William Leaker 2/1/22 0800 Akya Garner 2/1/22 0800

Akya Garner 2/1/22 11:22 Ryan Williams 2/1/22 11:22
 Ryan Williams 2/1/22 1700 Ryan Williams 2/1/22 1700

DATE SIGNED: 01/28/22

DATE SIGNED: 01/28/22

DATE SIGNED: 01/28/22

DATE SIGNED: 01/28/22

Handwritten signature

CHAIN-OF-CUSTODY / Analytical Request Document
 This Chain-of-Custody is a LEGAL DOCUMENT. It remains valid only if completed correctly.

Section A
 Requested Client Information:
 Customer: GA Power
 Address: 1000 Weatherford Parkway
 Woodstock, GA 30188

Section B
 Requested Project Information:
 Project To: Kennesaw Quarry
 Requested Date/Time: 2/1/22 0800

Section C
 Analytical Information:
 Analytical: Southern Co.
 Company Name:
 Project Name:
 Requested Analytical Filtered (Y/N):
 Residual Chlorine (Y/N):
 Field Project No./ Lab I.D.:
 REGULATORY AGENCY:
 NPDES: GROUND WATER: DRINKING WATER:
 UST: ACRA: OTHER:
 Requested Date/Time: 2/1/22 0800
 State: GA

Section A	Section B	Section C
Requester Name: Kenna, Stephanie@ga.gov	Project Name: Plant Bowen Landfill	Requester Name: Nicole Crook
Phone: (878)2402415	Cell: 3 and 4	Requester Title: Project Manager
Requested Date/Time: 2/1/22 0800	Project Number:	Requester Email: nicole.crook@scg.com

ITEM #	Description	Matrix Code	Sample Type	Collected		Sample Temp at Collection	# of Containers	Preservatives	Analytical Test	Requested Analytical Filtered (Y/N)	Residual Chlorine (Y/N)	Field Project No./ Lab I.D.
				DATE	TIME							
1	TRIP-1											
2	TRIP-2											
3	DUP-S	WT 6 1/28/21				4	3	1	X X X X			
4	FBI-H	WT 6 2/28/22	1155			4	3	1	X X X X			
5	ERR-1											
6	ERR-2											
7	ERR-3											
8	ERR-4											
9	ERR-5											
10	ERR-6											
11	ERR-7											
12	ERR-8											

ADDITIONAL COMMENTS	REMOVED BY / APPLICATION	DATE	TIME	EXCEPTED BY / APPLICATION	DATE	TIME
William Leaker		2/1/22	0800	Alysa Garner	2/1/22	0800
Alysa Garner		2/1/22	11:22	Ryan Williams / Ray	2/1/22	1122
Ryan Williams / Ray		2/1/22	1200	Brandon Henry	2/1/22	1200

Signature of Sampler: *Mereditin Doreen*
 Signature of Supplier: *William Leaker*
 Date of Sampling: 2/1/22
 Date of Receipt: 2/1/22
 Time of Receipt: 0128/22



February 17, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 01, 2022 and February 04, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Anna Bottum, ERM
Andrea Brazell, ERM
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Lacy Smith, ERM
Caitlin Tillema, ERM
Christine Weaver, ERM

Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92585555001	GWA-39Z	Water	01/31/22 13:50	02/01/22 11:22
92585555002	GWA-40	Water	01/31/22 14:25	02/01/22 11:22
92585555003	GWA-41	Water	01/31/22 12:55	02/01/22 11:22
92585555004	GWA-41R	Water	01/31/22 10:45	02/01/22 11:22
92585555005	GWA-42	Water	01/31/22 14:48	02/01/22 11:22
92585555006	GWA-43	Water	01/31/22 13:15	02/01/22 11:22
92585555007	GWA-43R	Water	01/31/22 12:05	02/01/22 11:22
92585555008	GWC-44	Water	01/31/22 15:30	02/01/22 11:22
92585555009	GWC-46R	Water	01/31/22 15:30	02/01/22 11:22
92585555010	GWC-48	Water	01/31/22 16:14	02/01/22 11:22
92585555011	DUP-1	Water	01/31/22 00:00	02/01/22 11:22
92585555012	FB-1	Water	01/31/22 15:50	02/01/22 11:22
92585555013	GWC-45	Water	02/01/22 12:55	02/04/22 11:45
92585555014	GWC-45R	Water	02/01/22 10:30	02/04/22 11:45
92585555015	GWC-47	Water	02/01/22 12:03	02/04/22 11:45
92585555016	GWC-47R	Water	02/01/22 10:40	02/04/22 11:45
92585555017	GWC-49Z	Water	02/01/22 12:23	02/04/22 11:45
92585555018	GWC-49R	Water	02/01/22 10:34	02/04/22 11:45
92585555019	DUP-2	Water	02/01/22 00:00	02/04/22 11:45
92585555020	FB-2	Water	02/01/22 15:45	02/04/22 11:45
92585555021	GWA-39RZ	Water	02/02/22 10:16	02/04/22 11:45
92585555022	FB-3	Water	02/02/22 16:04	02/04/22 11:45
92585555023	EB-1	Water	02/02/22 16:08	02/04/22 11:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92585555001	GWA-39Z	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92585555002	GWA-40	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92585555003	GWA-41	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92585555004	GWA-41R	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92585555005	GWA-42	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
92585555006	GWA-43	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92585555007	GWA-43R	EPA 6010D	KH	5	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258555008	GWC-44	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
9258555009	GWC-46R	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
9258555010	GWC-48	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
9258555011	DUP-1	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
9258555012	FB-1	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
9258555013	GWC-45	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258555014	GWC-45R	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
9258555015	GWC-47	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
9258555016	GWC-47R	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
9258555017	GWC-49Z	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
9258555018	GWC-49R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
9258555019	DUP-2	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
9258555020	FB-2	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
9258555021	GWA-39RZ	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
9258555022	FB-3	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
9258555023	EB-1	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA
 PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555001	GWA-39Z					
	Performed by	CUSTOME			02/06/22 11:28	
		R				
	pH	6.41	Std. Units		02/06/22 11:28	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/14/22 14:43	
EPA 6010D	Sodium	2.4	mg/L	1.0	02/14/22 14:43	
EPA 6010D	Calcium	12.7	mg/L	1.0	02/14/22 14:43	
EPA 6010D	Magnesium	7.0	mg/L	0.050	02/14/22 14:43	
EPA 6020B	Arsenic	0.0021J	mg/L	0.0050	02/12/22 15:55	
EPA 6020B	Barium	0.013	mg/L	0.0050	02/12/22 15:55	
SM 2540C-2015	Total Dissolved Solids	61.0	mg/L	10.0	02/03/22 16:06	
SM 2320B	Alkalinity, Total as CaCO3	60.6	mg/L	5.0	02/08/22 22:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	60.6	mg/L	5.0	02/08/22 22:40	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/07/22 01:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/07/22 01:12	
9258555002	GWA-40					
	Performed by	CUSTOME			02/06/22 11:29	
		R				
	pH	6.85	Std. Units		02/06/22 11:29	
EPA 6010D	Potassium	0.97	mg/L	0.20	02/14/22 14:48	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/14/22 14:48	
EPA 6010D	Calcium	18.5	mg/L	1.0	02/14/22 14:48	M1
EPA 6010D	Magnesium	10.3	mg/L	0.050	02/14/22 14:48	M1
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	02/12/22 16:19	
EPA 6020B	Barium	0.0081	mg/L	0.0050	02/12/22 16:19	
SM 2540C-2015	Total Dissolved Solids	81.0	mg/L	10.0	02/03/22 16:06	
SM 2320B	Alkalinity, Total as CaCO3	84.2	mg/L	5.0	02/08/22 22:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	84.2	mg/L	5.0	02/08/22 22:44	
EPA 300.0 Rev 2.1 1993	Chloride	0.71J	mg/L	1.0	02/07/22 01:27	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/07/22 01:27	
9258555003	GWA-41					
	Performed by	CUSTOME			02/06/22 11:30	
		R				
	pH	6.02	Std. Units		02/06/22 11:30	
EPA 6010D	Potassium	0.56	mg/L	0.20	02/14/22 15:07	
EPA 6010D	Sodium	0.90J	mg/L	1.0	02/14/22 15:07	
EPA 6010D	Calcium	14.5	mg/L	1.0	02/14/22 15:07	
EPA 6010D	Magnesium	7.2	mg/L	0.050	02/14/22 15:07	
EPA 6020B	Barium	0.022	mg/L	0.0050	02/12/22 16:25	
SM 2540C-2015	Total Dissolved Solids	63.0	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	66.1	mg/L	5.0	02/08/22 22:58	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	66.1	mg/L	5.0	02/08/22 22:58	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/07/22 01:42	
EPA 300.0 Rev 2.1 1993	Sulfate	1.8	mg/L	1.0	02/07/22 01:42	
9258555004	GWA-41R					
	Performed by	CUSTOME			02/06/22 11:30	
		R				
	pH	6.63	Std. Units		02/06/22 11:30	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555004	GWA-41R					
EPA 6010D	Potassium	2.5	mg/L	0.20	02/14/22 15:23	
EPA 6010D	Calcium	39.3	mg/L	1.0	02/14/22 15:23	
EPA 6010D	Magnesium	20.1	mg/L	0.050	02/14/22 15:23	
EPA 6020B	Antimony	0.0011J	mg/L	0.0030	02/12/22 16:31	
EPA 6020B	Barium	0.031	mg/L	0.0050	02/12/22 16:31	
EPA 6020B	Boron	0.016J	mg/L	0.040	02/12/22 16:31	
EPA 6020B	Copper	0.0028J	mg/L	0.0050	02/12/22 16:31	
EPA 6020B	Nickel	0.00091J	mg/L	0.0050	02/12/22 16:31	
SM 2540C-2015	Total Dissolved Solids	184	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	185	mg/L	5.0	02/08/22 23:02	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	02/08/22 23:02	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	02/07/22 01:57	
EPA 300.0 Rev 2.1 1993	Sulfate	8.5	mg/L	1.0	02/07/22 01:57	
9258555005	GWA-42					
	Performed by	CUSTOMER			02/06/22 11:30	
	pH	7.17	Std. Units		02/06/22 11:30	
EPA 6010D	Potassium	0.26	mg/L	0.20	02/14/22 15:27	
EPA 6010D	Sodium	1.8	mg/L	1.0	02/14/22 15:27	
EPA 6010D	Calcium	37.3	mg/L	1.0	02/14/22 15:27	
EPA 6010D	Magnesium	15.2	mg/L	0.050	02/14/22 15:27	
EPA 6020B	Barium	0.0063	mg/L	0.0050	02/12/22 16:49	
EPA 6020B	Beryllium	0.00014J	mg/L	0.00050	02/12/22 16:49	
EPA 6020B	Cadmium	0.00018J	mg/L	0.00050	02/12/22 16:49	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/12/22 16:49	
SM 2540C-2015	Total Dissolved Solids	132	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	142	mg/L	5.0	02/08/22 23:07	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	02/08/22 23:07	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/07/22 02:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/07/22 02:12	
9258555006	GWA-43					
	Performed by	CUSTOMER			02/06/22 11:31	
	pH	5.71	Std. Units		02/06/22 11:31	
EPA 6010D	Potassium	0.31	mg/L	0.20	02/14/22 15:32	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/14/22 15:32	
EPA 6010D	Calcium	2.2	mg/L	1.0	02/14/22 15:32	
EPA 6010D	Magnesium	0.45	mg/L	0.050	02/14/22 15:32	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/12/22 16:55	
EPA 6020B	Barium	0.014	mg/L	0.0050	02/12/22 16:55	
EPA 6020B	Copper	0.0014J	mg/L	0.0050	02/12/22 16:55	
EPA 6020B	Nickel	0.00077J	mg/L	0.0050	02/12/22 16:55	
SM 2540C-2015	Total Dissolved Solids	25.0	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	6.4	mg/L	5.0	02/08/22 23:55	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	6.4	mg/L	5.0	02/08/22 23:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/07/22 02:27	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555007	GWA-43R					
	Performed by	CUSTOME			02/06/22 11:31	
		R				
	pH	8.04	Std. Units		02/06/22 11:31	
EPA 6010D	Potassium	0.48	mg/L	0.20	02/14/22 15:37	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/14/22 15:37	
EPA 6010D	Calcium	30.6	mg/L	1.0	02/14/22 15:37	
EPA 6010D	Magnesium	16.9	mg/L	0.050	02/14/22 15:37	
EPA 6020B	Barium	0.0076	mg/L	0.0050	02/12/22 17:01	
EPA 6020B	Boron	0.011J	mg/L	0.040	02/12/22 17:01	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/12/22 17:01	
SM 2540C-2015	Total Dissolved Solids	128	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	140	mg/L	5.0	02/08/22 23:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	02/08/22 23:15	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/07/22 02:42	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/07/22 02:42	
9258555008	GWC-44					
	Performed by	CUSTOME			02/06/22 11:31	
		R				
	pH	4.78	Std. Units		02/06/22 11:31	
EPA 6010D	Potassium	1.5	mg/L	0.20	02/14/22 15:42	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/14/22 15:42	
EPA 6010D	Calcium	11.2	mg/L	1.0	02/14/22 15:42	
EPA 6010D	Magnesium	2.0	mg/L	0.050	02/14/22 15:42	
EPA 6020B	Barium	0.047	mg/L	0.0050	02/12/22 17:07	
EPA 6020B	Beryllium	0.000065J	mg/L	0.00050	02/12/22 17:07	
EPA 6020B	Boron	0.015J	mg/L	0.040	02/12/22 17:07	
EPA 6020B	Cobalt	0.0017J	mg/L	0.0050	02/12/22 17:07	
EPA 6020B	Copper	0.00053J	mg/L	0.0050	02/12/22 17:07	
EPA 6020B	Selenium	0.0018J	mg/L	0.0050	02/12/22 17:07	
SM 2540C-2015	Total Dissolved Solids	63.0	mg/L	10.0	02/03/22 16:07	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	02/07/22 03:27	
EPA 300.0 Rev 2.1 1993	Sulfate	29.7	mg/L	1.0	02/07/22 03:27	
9258555009	GWC-46R					
	Performed by	CUSTOME			02/06/22 11:32	
		R				
	pH	7.48	Std. Units		02/06/22 11:32	
EPA 6010D	Potassium	1.6	mg/L	0.20	02/14/22 15:46	
EPA 6010D	Sodium	13.0	mg/L	1.0	02/14/22 15:46	
EPA 6010D	Calcium	39.9	mg/L	1.0	02/14/22 15:46	
EPA 6010D	Magnesium	22.0	mg/L	0.050	02/14/22 15:46	
EPA 6020B	Barium	0.011	mg/L	0.0050	02/12/22 17:13	
EPA 6020B	Chromium	0.0051	mg/L	0.0050	02/12/22 17:13	
SM 2540C-2015	Total Dissolved Solids	197	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	212	mg/L	5.0	02/08/22 23:29	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	212	mg/L	5.0	02/08/22 23:29	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	02/07/22 03:42	
EPA 300.0 Rev 2.1 1993	Sulfate	5.2	mg/L	1.0	02/07/22 03:42	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555010	GWC-48					
	Performed by	CUSTOME			02/06/22 11:32	
		R				
	pH	4.86	Std. Units		02/06/22 11:32	
EPA 6010D	Potassium	0.26	mg/L	0.20	02/14/22 15:51	
EPA 6010D	Sodium	4.2	mg/L	1.0	02/14/22 15:51	
EPA 6010D	Calcium	2.8	mg/L	1.0	02/14/22 15:51	
EPA 6010D	Magnesium	0.67	mg/L	0.050	02/14/22 15:51	
EPA 6020B	Barium	0.038	mg/L	0.0050	02/12/22 17:19	
EPA 6020B	Beryllium	0.00036J	mg/L	0.00050	02/12/22 17:19	
EPA 6020B	Cadmium	0.00020J	mg/L	0.00050	02/12/22 17:19	
EPA 6020B	Chromium	0.0020J	mg/L	0.0050	02/12/22 17:19	
EPA 6020B	Cobalt	0.0021J	mg/L	0.0050	02/12/22 17:19	
EPA 6020B	Nickel	0.0052	mg/L	0.0050	02/12/22 17:19	
EPA 7470A	Mercury	0.00039	mg/L	0.00020	02/09/22 17:33	
SM 2540C-2015	Total Dissolved Solids	31.0	mg/L	10.0	02/03/22 16:07	
SM 2320B	Alkalinity, Total as CaCO3	8.1	mg/L	5.0	02/09/22 14:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	8.1	mg/L	5.0	02/09/22 14:48	
EPA 300.0 Rev 2.1 1993	Chloride	4.8	mg/L	1.0	02/07/22 03:57	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/07/22 03:57	
9258555011	DUP-1					
EPA 6010D	Potassium	2.7	mg/L	0.20	02/14/22 15:56	
EPA 6010D	Calcium	42.7	mg/L	1.0	02/14/22 15:56	
EPA 6010D	Magnesium	21.6	mg/L	0.050	02/14/22 15:56	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	02/14/22 20:27	B
EPA 6020B	Barium	0.029	mg/L	0.0050	02/14/22 20:27	
EPA 6020B	Boron	0.020J	mg/L	0.040	02/14/22 20:27	
EPA 6020B	Copper	0.0028J	mg/L	0.0050	02/14/22 20:27	
EPA 6020B	Nickel	0.00095J	mg/L	0.0050	02/14/22 20:27	
SM 2540C-2015	Total Dissolved Solids	180	mg/L	10.0	02/03/22 16:08	
SM 2320B	Alkalinity, Total as CaCO3	188	mg/L	5.0	02/09/22 14:52	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	02/09/22 14:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/07/22 04:42	
EPA 300.0 Rev 2.1 1993	Sulfate	8.5	mg/L	1.0	02/07/22 04:42	
9258555012	FB-1					
EPA 6020B	Antimony	0.0014J	mg/L	0.0030	02/14/22 20:50	
9258555013	GWC-45					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	4.88	Std. Units		02/07/22 10:38	
EPA 6010D	Potassium	0.22	mg/L	0.20	02/14/22 16:34	
EPA 6010D	Sodium	1.6	mg/L	1.0	02/14/22 16:34	
EPA 6010D	Calcium	1.1	mg/L	1.0	02/14/22 16:34	
EPA 6010D	Magnesium	0.65	mg/L	0.050	02/14/22 16:34	
EPA 6020B	Antimony	0.0020J	mg/L	0.0030	02/14/22 21:50	
EPA 6020B	Barium	0.0072	mg/L	0.0050	02/14/22 21:50	
EPA 6020B	Boron	0.019J	mg/L	0.040	02/14/22 21:50	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555013	GWC-45					
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	02/14/22 21:50	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/14/22 21:50	
SM 2540C-2015	Total Dissolved Solids	70.0	mg/L	10.0	02/07/22 16:44	
SM 2320B	Alkalinity, Total as CaCO3	2.7J	mg/L	5.0	02/09/22 22:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.7J	mg/L	5.0	02/09/22 22:15	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	02/11/22 13:42	
9258555014	GWC-45R					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	7.15	Std. Units		02/07/22 10:38	
EPA 6010D	Potassium	0.82	mg/L	0.20	02/14/22 16:39	
EPA 6010D	Sodium	1.5	mg/L	1.0	02/14/22 16:39	
EPA 6010D	Calcium	43.9	mg/L	1.0	02/14/22 16:39	
EPA 6010D	Magnesium	23.8	mg/L	0.050	02/14/22 16:39	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/14/22 21:56	
EPA 6020B	Boron	0.022J	mg/L	0.040	02/14/22 21:56	
SM 2540C-2015	Total Dissolved Solids	201	mg/L	10.0	02/07/22 16:44	
SM 2320B	Alkalinity, Total as CaCO3	188	mg/L	5.0	02/09/22 21:08	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	02/09/22 21:08	
EPA 300.0 Rev 2.1 1993	Chloride	4.3	mg/L	1.0	02/12/22 16:39	M1
EPA 300.0 Rev 2.1 1993	Sulfate	6.1	mg/L	1.0	02/12/22 16:39	M1
9258555015	GWC-47					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	7.55	Std. Units		02/07/22 10:38	
EPA 6010D	Zinc	0.038	mg/L	0.020	02/14/22 16:44	
EPA 6010D	Potassium	0.55	mg/L	0.20	02/14/22 16:44	
EPA 6010D	Sodium	3.4	mg/L	1.0	02/14/22 16:44	
EPA 6010D	Calcium	21.3	mg/L	1.0	02/14/22 16:44	
EPA 6010D	Magnesium	12.0	mg/L	0.050	02/14/22 16:44	
EPA 6020B	Barium	0.0081	mg/L	0.0050	02/14/22 22:02	
EPA 6020B	Boron	0.011J	mg/L	0.040	02/14/22 22:02	
EPA 6020B	Cadmium	0.00014J	mg/L	0.00050	02/14/22 22:02	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	02/14/22 22:02	
SM 2540C-2015	Total Dissolved Solids	107	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	100	mg/L	5.0	02/09/22 21:14	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	02/09/22 21:14	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	02/12/22 17:21	
EPA 300.0 Rev 2.1 1993	Sulfate	4.3	mg/L	1.0	02/12/22 17:21	
9258555016	GWC-47R					
	Performed by	CUSTOME			02/07/22 10:38	
		R				
	pH	7.54	Std. Units		02/07/22 10:38	
EPA 6010D	Zinc	0.029	mg/L	0.020	02/14/22 22:17	
EPA 6010D	Potassium	1.7	mg/L	0.20	02/14/22 22:17	
EPA 6010D	Sodium	3.6	mg/L	1.0	02/14/22 22:17	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
9258555016	GWC-47R					
EPA 6010D	Calcium	29.4	mg/L	1.0	02/14/22 22:17	
EPA 6010D	Magnesium	14.6	mg/L	0.050	02/14/22 22:17	
EPA 6020B	Antimony	0.0024J	mg/L	0.0030	02/14/22 22:08	
EPA 6020B	Barium	0.0077	mg/L	0.0050	02/14/22 22:08	
EPA 6020B	Boron	0.010J	mg/L	0.040	02/14/22 22:08	
EPA 6020B	Chromium	0.0022J	mg/L	0.0050	02/14/22 22:08	
SM 2540C-2015	Total Dissolved Solids	157	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	132	mg/L	5.0	02/09/22 21:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	02/09/22 21:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	02/12/22 17:35	
EPA 300.0 Rev 2.1 1993	Sulfate	9.4	mg/L	1.0	02/12/22 17:35	
9258555017	GWC-49Z					
	Performed by	CUSTOME			02/07/22 10:39	
		R				
	pH	5.00	Std. Units		02/07/22 10:39	
EPA 6010D	Potassium	0.38	mg/L	0.20	02/14/22 22:22	
EPA 6010D	Sodium	2.5	mg/L	1.0	02/14/22 22:22	
EPA 6010D	Calcium	0.62J	mg/L	1.0	02/14/22 22:22	
EPA 6010D	Magnesium	0.29	mg/L	0.050	02/14/22 22:22	
EPA 6020B	Antimony	0.00097J	mg/L	0.0030	02/14/22 22:14	
EPA 6020B	Barium	0.0030J	mg/L	0.0050	02/14/22 22:14	
EPA 6020B	Boron	0.0087J	mg/L	0.040	02/14/22 22:14	
EPA 6020B	Cobalt	0.00066J	mg/L	0.0050	02/14/22 22:14	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	02/14/22 22:14	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	3.4J	mg/L	5.0	02/09/22 22:18	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	3.4J	mg/L	5.0	02/09/22 22:18	
EPA 300.0 Rev 2.1 1993	Chloride	0.93J	mg/L	1.0	02/12/22 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	0.93J	mg/L	1.0	02/12/22 18:17	
9258555018	GWC-49R					
	Performed by	CUSTOME			02/07/22 10:39	
		R				
	pH	7.63	Std. Units		02/07/22 10:39	
EPA 6010D	Potassium	0.78	mg/L	0.20	02/14/22 22:27	
EPA 6010D	Sodium	2.3	mg/L	1.0	02/14/22 22:27	
EPA 6010D	Calcium	26.0	mg/L	1.0	02/14/22 22:27	
EPA 6010D	Magnesium	14.5	mg/L	0.050	02/14/22 22:27	
EPA 6020B	Barium	0.011	mg/L	0.0050	02/14/22 22:20	
SM 2540C-2015	Total Dissolved Solids	125	mg/L	10.0	02/07/22 16:45	
SM 2320B	Alkalinity, Total as CaCO3	121	mg/L	5.0	02/09/22 21:36	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	121	mg/L	5.0	02/09/22 21:36	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/12/22 18:31	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/12/22 18:31	
9258555019	DUP-2					
EPA 6010D	Potassium	0.73	mg/L	0.20	02/14/22 22:32	
EPA 6010D	Sodium	1.3	mg/L	1.0	02/14/22 22:32	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
9258555019	DUP-2					
EPA 6010D	Calcium	38.8	mg/L	1.0	02/14/22 22:32	
EPA 6010D	Magnesium	21.2	mg/L	0.050	02/14/22 22:32	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/14/22 22:38	
EPA 6020B	Boron	0.013J	mg/L	0.040	02/14/22 22:38	
SM 2540C-2015	Total Dissolved Solids	180	mg/L	10.0	02/07/22 17:20	
SM 2320B	Alkalinity, Total as CaCO3	190	mg/L	5.0	02/09/22 21:42	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	02/09/22 21:42	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	02/12/22 18:45	
EPA 300.0 Rev 2.1 1993	Sulfate	6.1	mg/L	1.0	02/12/22 18:45	
9258555021	GWA-39RZ					
	Performed by	CUSTOME			02/07/22 10:39	
		R				
	pH	6.89	Std. Units		02/07/22 10:39	
EPA 6010D	Potassium	0.95	mg/L	0.20	02/14/22 22:41	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/14/22 22:41	
EPA 6010D	Calcium	32.6	mg/L	1.0	02/14/22 22:41	
EPA 6010D	Magnesium	17.1	mg/L	0.050	02/14/22 22:41	
EPA 6020B	Barium	0.013	mg/L	0.0050	02/14/22 22:50	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	02/14/22 22:50	
SM 2540C-2015	Total Dissolved Solids	143	mg/L	10.0	02/08/22 11:12	
SM 2320B	Alkalinity, Total as CaCO3	146	mg/L	5.0	02/09/22 21:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	02/09/22 21:57	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	02/12/22 19:12	
EPA 300.0 Rev 2.1 1993	Sulfate	4.5	mg/L	1.0	02/12/22 19:12	
9258555022	FB-3					
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/14/22 23:02	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-39Z **Lab ID: 9258555001** Collected: 01/31/22 13:50 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:28		
pH	6.41	Std. Units			1		02/06/22 11:28		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 14:43	7440-66-6	
Potassium	1.3	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 14:43	7440-09-7	
Sodium	2.4	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 14:43	7440-23-5	
Calcium	12.7	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 14:43	7440-70-2	
Magnesium	7.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 14:43	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 15:55	7440-36-0	
Arsenic	0.0021J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 15:55	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 15:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 15:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 15:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 15:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 15:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 15:55	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 15:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 15:55	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 15:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 15:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 15:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 15:55	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 16:56	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	61.0	mg/L	10.0	10.0	1		02/03/22 16:06		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	60.6	mg/L	5.0	1.8	1		02/08/22 22:40		
Alkalinity,Bicarbonate (CaCO3)	60.6	mg/L	5.0	1.8	1		02/08/22 22:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:40		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: **GWA-39Z** Lab ID: **92585555001** Collected: 01/31/22 13:50 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/07/22 01:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:12	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/07/22 01:12	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-40 **Lab ID: 9258555002** Collected: 01/31/22 14:25 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:29		
pH	6.85	Std. Units			1		02/06/22 11:29		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 14:48	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 14:48	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 14:48	7440-23-5	
Calcium	18.5	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 14:48	7440-70-2	M1
Magnesium	10.3	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 14:48	7439-95-4	M1

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0014J	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:19	7440-38-2	
Barium	0.0081	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:23	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:12	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	81.0	mg/L	10.0	10.0	1		02/03/22 16:06		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	84.2	mg/L	5.0	1.8	1		02/08/22 22:44		
Alkalinity,Bicarbonate (CaCO3)	84.2	mg/L	5.0	1.8	1		02/08/22 22:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:44		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-40 **Lab ID: 92585555002** Collected: 01/31/22 14:25 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.71J	mg/L	1.0	0.60	1		02/07/22 01:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:27	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/07/22 01:27	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-41 **Lab ID: 9258555003** Collected: 01/31/22 12:55 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:30		
pH	6.02	Std. Units			1		02/06/22 11:30		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:07	7440-66-6	
Potassium	0.56	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:07	7440-09-7	
Sodium	0.90J	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:07	7440-23-5	
Calcium	14.5	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:07	7440-70-2	
Magnesium	7.2	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:07	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:25	7440-38-2	
Barium	0.022	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:25	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:15	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	63.0	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	66.1	mg/L	5.0	1.8	1		02/08/22 22:58		
Alkalinity,Bicarbonate (CaCO3)	66.1	mg/L	5.0	1.8	1		02/08/22 22:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 22:58		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-41 Lab ID: 92585555003 Collected: 01/31/22 12:55 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/07/22 01:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:42	16984-48-8	
Sulfate	1.8	mg/L	1.0	0.50	1		02/07/22 01:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-41R **Lab ID: 9258555004** Collected: 01/31/22 10:45 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:30		
pH	6.63	Std. Units			1		02/06/22 11:30		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:23	7440-66-6	
Potassium	2.5	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:23	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:23	7440-23-5	
Calcium	39.3	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:23	7440-70-2	
Magnesium	20.1	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:23	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0011J	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:31	7440-38-2	
Barium	0.031	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:31	7440-41-7	
Boron	0.016J	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:31	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:31	7439-92-1	
Nickel	0.00091J	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:35	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:17	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	184	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	185	mg/L	5.0	1.8	1		02/08/22 23:02		
Alkalinity,Bicarbonate (CaCO3)	185	mg/L	5.0	1.8	1		02/08/22 23:02		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:02		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-41R Lab ID: 92585555004 Collected: 01/31/22 10:45 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		02/07/22 01:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 01:57	16984-48-8	
Sulfate	8.5	mg/L	1.0	0.50	1		02/07/22 01:57	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-42 **Lab ID: 9258555005** Collected: 01/31/22 14:48 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:30		
pH	7.17	Std. Units			1		02/06/22 11:30		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:27	7440-66-6	
Potassium	0.26	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:27	7440-09-7	
Sodium	1.8	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:27	7440-23-5	
Calcium	37.3	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:27	7440-70-2	
Magnesium	15.2	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:27	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:49	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:49	7440-38-2	
Barium	0.0063	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:49	7440-39-3	
Beryllium	0.00014J	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:49	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:49	7440-42-8	
Cadmium	0.00018J	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:49	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:49	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:49	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:49	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:49	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:49	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:49	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:20	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	132	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	142	mg/L	5.0	1.8	1		02/08/22 23:07		
Alkalinity,Bicarbonate (CaCO3)	142	mg/L	5.0	1.8	1		02/08/22 23:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:07		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-42 Lab ID: 92585555005 Collected: 01/31/22 14:48 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/07/22 02:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 02:12	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/07/22 02:12	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-43 **Lab ID: 9258555006** Collected: 01/31/22 13:15 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:31		
pH	5.71	Std. Units			1		02/06/22 11:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:32	7440-66-6	
Potassium	0.31	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:32	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:32	7440-23-5	
Calcium	2.2	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:32	7440-70-2	
Magnesium	0.45	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:32	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 16:55	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:55	7440-38-2	
Barium	0.014	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 16:55	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 16:55	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 16:55	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 16:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 16:55	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 16:55	7440-48-4	
Copper	0.0014J	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 16:55	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 16:55	7439-92-1	
Nickel	0.00077J	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 16:55	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 16:55	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 16:55	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 14:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 16:55	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:23	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	25.0	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	6.4	mg/L	5.0	1.8	1		02/08/22 23:55		
Alkalinity,Bicarbonate (CaCO3)	6.4	mg/L	5.0	1.8	1		02/08/22 23:55		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:55		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-43 **Lab ID: 92585555006** Collected: 01/31/22 13:15 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/07/22 02:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 02:27	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/07/22 02:27	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-43R **Lab ID: 9258555007** Collected: 01/31/22 12:05 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:31		
pH	8.04	Std. Units			1		02/06/22 11:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:37	7440-66-6	
Potassium	0.48	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:37	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:37	7440-23-5	
Calcium	30.6	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:37	7440-70-2	
Magnesium	16.9	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:37	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:01	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:01	7440-38-2	
Barium	0.0076	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:01	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:01	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:01	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:01	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:01	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:01	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:01	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:01	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:01	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:01	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:01	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:25	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	128	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	140	mg/L	5.0	1.8	1		02/08/22 23:15		
Alkalinity,Bicarbonate (CaCO3)	140	mg/L	5.0	1.8	1		02/08/22 23:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:15		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWA-43R Lab ID: 92585555007 Collected: 01/31/22 12:05 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/07/22 02:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 02:42	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/07/22 02:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWC-44 **Lab ID: 9258555008** Collected: 01/31/22 15:30 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:31		
pH	4.78	Std. Units			1		02/06/22 11:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:42	7440-66-6	
Potassium	1.5	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:42	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:42	7440-23-5	
Calcium	11.2	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:42	7440-70-2	
Magnesium	2.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:42	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:07	7440-38-2	
Barium	0.047	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:07	7440-39-3	
Beryllium	0.000065J	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:07	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:07	7440-47-3	
Cobalt	0.0017J	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:07	7440-48-4	
Copper	0.00053J	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:07	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:07	7440-02-0	
Selenium	0.0018J	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:07	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:28	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	63.0	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/08/22 23:58		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:58		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-44 **Lab ID: 92585555008** Collected: 01/31/22 15:30 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		02/07/22 03:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 03:27	16984-48-8	
Sulfate	29.7	mg/L	1.0	0.50	1		02/07/22 03:27	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-46R		Lab ID: 9258555009		Collected: 01/31/22 15:30		Received: 02/01/22 11:22		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/06/22 11:32		
pH	7.48	Std. Units			1		02/06/22 11:32		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:46	7440-66-6	
Potassium	1.6	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:46	7440-09-7	
Sodium	13.0	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:46	7440-23-5	
Calcium	39.9	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:46	7440-70-2	
Magnesium	22.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:13	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:13	7440-43-9	
Chromium	0.0051	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	197	mg/L	10.0	10.0	1		02/03/22 16:07		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	212	mg/L	5.0	1.8	1		02/08/22 23:29		
Alkalinity,Bicarbonate (CaCO3)	212	mg/L	5.0	1.8	1		02/08/22 23:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/08/22 23:29		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-46R **Lab ID: 92585555009** Collected: 01/31/22 15:30 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.7	mg/L	1.0	0.60	1		02/07/22 03:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 03:42	16984-48-8	
Sulfate	5.2	mg/L	1.0	0.50	1		02/07/22 03:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWC-48 **Lab ID: 9258555010** Collected: 01/31/22 16:14 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/06/22 11:32		
pH	4.86	Std. Units			1		02/06/22 11:32		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:51	7440-66-6	
Potassium	0.26	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:51	7440-09-7	
Sodium	4.2	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:51	7440-23-5	
Calcium	2.8	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:51	7440-70-2	
Magnesium	0.67	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:51	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/12/22 08:26	02/12/22 17:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:19	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	02/12/22 08:26	02/12/22 17:19	7440-39-3	
Beryllium	0.00036J	mg/L	0.00050	0.000054	1	02/12/22 08:26	02/12/22 17:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/12/22 08:26	02/12/22 17:19	7440-42-8	
Cadmium	0.00020J	mg/L	0.00050	0.00011	1	02/12/22 08:26	02/12/22 17:19	7440-43-9	
Chromium	0.0020J	mg/L	0.0050	0.0011	1	02/12/22 08:26	02/12/22 17:19	7440-47-3	
Cobalt	0.0021J	mg/L	0.0050	0.00039	1	02/12/22 08:26	02/12/22 17:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/12/22 08:26	02/12/22 17:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/12/22 08:26	02/12/22 17:19	7439-92-1	
Nickel	0.0052	mg/L	0.0050	0.00071	1	02/12/22 08:26	02/12/22 17:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/12/22 08:26	02/12/22 17:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/12/22 08:26	02/12/22 17:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/12/22 08:26	02/14/22 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/12/22 08:26	02/12/22 17:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	0.00039	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:33	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	31.0	mg/L	10.0	10.0	1		02/03/22 16:07		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	8.1	mg/L	5.0	1.8	1		02/09/22 14:48		
Alkalinity,Bicarbonate (CaCO3)	8.1	mg/L	5.0	1.8	1		02/09/22 14:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 14:48		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: **GWC-48** Lab ID: **92585555010** Collected: 01/31/22 16:14 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.8	mg/L	1.0	0.60	1		02/07/22 03:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 03:57	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/07/22 03:57	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: DUP-1 **Lab ID: 9258555011** Collected: 01/31/22 00:00 Received: 02/01/22 11:22 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 15:56	7440-66-6	
Potassium	2.7	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 15:56	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 15:56	7440-23-5	
Calcium	42.7	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 15:56	7440-70-2	
Magnesium	21.6	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 15:56	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 20:27	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:27	7440-38-2	B
Barium	0.029	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 20:27	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 20:27	7440-41-7	
Boron	0.020J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 20:27	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 20:27	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:27	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 20:27	7440-48-4	
Copper	0.0028J	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 20:27	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 20:27	7439-92-1	
Nickel	0.00095J	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 20:27	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 20:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 20:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 20:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/14/22 20:27	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	180	mg/L	10.0	10.0	1		02/03/22 16:08		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	188	mg/L	5.0	1.8	1		02/09/22 14:52		
Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	1.8	1		02/09/22 14:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 14:52		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/07/22 04:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 04:42	16984-48-8	
Sulfate	8.5	mg/L	1.0	0.50	1		02/07/22 04:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: FB-1		Lab ID: 9258555012		Collected: 01/31/22 15:50	Received: 02/01/22 11:22	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:01	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:01	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:01	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:01	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:01	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.0014J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 20:50	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:50	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 20:50	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 20:50	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 20:50	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 20:50	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 20:50	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 20:50	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 20:50	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 20:50	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 20:50	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 20:50	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 20:50	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 20:50	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/14/22 20:50	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:44	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/03/22 16:08			
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/09/22 14:58			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 14:58			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 14:58			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		02/07/22 04:56	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		02/07/22 04:56	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		02/07/22 04:56	14808-79-8		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWC-45 **Lab ID: 9258555013** Collected: 02/01/22 12:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:38		
pH	4.88	Std. Units			1		02/07/22 10:38		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:34	7440-66-6	
Potassium	0.22	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:34	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:34	7440-23-5	
Calcium	1.1	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:34	7440-70-2	
Magnesium	0.65	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:34	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0020J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 21:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:50	7440-38-2	
Barium	0.0072	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 21:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 21:50	7440-41-7	
Boron	0.019J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 21:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 21:50	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:50	7440-47-3	
Cobalt	0.0013J	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 21:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 21:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 21:50	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 21:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 21:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 21:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 21:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 14:53	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:46	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	70.0	mg/L	10.0	10.0	1		02/07/22 16:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	2.7J	mg/L	5.0	1.8	1		02/09/22 22:15		
Alkalinity,Bicarbonate (CaCO3)	2.7J	mg/L	5.0	1.8	1		02/09/22 22:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:15		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: **GWC-45** Lab ID: **92585555013** Collected: 02/01/22 12:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.79J	mg/L	1.0	0.60	1		02/11/22 13:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/11/22 13:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/11/22 13:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWC-45R **Lab ID: 9258555014** Collected: 02/01/22 10:30 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:38		
pH	7.15	Std. Units			1		02/07/22 10:38		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:39	7440-66-6	
Potassium	0.82	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:39	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:39	7440-23-5	
Calcium	43.9	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:39	7440-70-2	
Magnesium	23.8	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:39	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 21:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:56	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 21:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 21:56	7440-41-7	
Boron	0.022J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 21:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 21:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 21:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 21:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 21:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 21:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 21:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 21:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 21:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 21:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 14:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:49	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	201	mg/L	10.0	10.0	1		02/07/22 16:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	188	mg/L	5.0	1.8	1		02/09/22 21:08		
Alkalinity,Bicarbonate (CaCO3)	188	mg/L	5.0	1.8	1		02/09/22 21:08		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:08		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-45R **Lab ID: 9258555014** Collected: 02/01/22 10:30 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.3	mg/L	1.0	0.60	1		02/12/22 16:39	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 16:39	16984-48-8	M1
Sulfate	6.1	mg/L	1.0	0.50	1		02/12/22 16:39	14808-79-8	M1

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWC-47 **Lab ID: 9258555015** Collected: 02/01/22 12:03 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:38		
pH	7.55	Std. Units			1		02/07/22 10:38		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	0.038	mg/L	0.020	0.0085	1	02/14/22 09:41	02/14/22 16:44	7440-66-6	
Potassium	0.55	mg/L	0.20	0.15	1	02/14/22 09:41	02/14/22 16:44	7440-09-7	
Sodium	3.4	mg/L	1.0	0.58	1	02/14/22 09:41	02/14/22 16:44	7440-23-5	
Calcium	21.3	mg/L	1.0	0.12	1	02/14/22 09:41	02/14/22 16:44	7440-70-2	
Magnesium	12.0	mg/L	0.050	0.012	1	02/14/22 09:41	02/14/22 16:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:02	7440-38-2	
Barium	0.0081	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:02	7440-41-7	
Boron	0.011J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:02	7440-42-8	
Cadmium	0.00014J	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:02	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:05	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:52	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	107	mg/L	10.0	10.0	1		02/07/22 16:45		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	100	mg/L	5.0	1.8	1		02/09/22 21:14		
Alkalinity,Bicarbonate (CaCO3)	100	mg/L	5.0	1.8	1		02/09/22 21:14		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:14		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: **GWC-47** Lab ID: **92585555015** Collected: 02/01/22 12:03 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		02/12/22 17:21	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 17:21	16984-48-8	
Sulfate	4.3	mg/L	1.0	0.50	1		02/12/22 17:21	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-47R		Lab ID: 9258555016		Collected: 02/01/22 10:40		Received: 02/04/22 11:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:38		
pH	7.54	Std. Units			1		02/07/22 10:38		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.029	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:17	7440-66-6	
Potassium	1.7	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:17	7440-09-7	
Sodium	3.6	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:17	7440-23-5	
Calcium	29.4	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:17	7440-70-2	
Magnesium	14.6	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:17	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0024J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:08	7440-38-2	
Barium	0.0077	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:08	7440-41-7	
Boron	0.010J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:08	7440-43-9	
Chromium	0.0022J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:11	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:54	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	157	mg/L	10.0	10.0	1		02/07/22 16:45		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	132	mg/L	5.0	1.8	1		02/09/22 21:18		
Alkalinity,Bicarbonate (CaCO3)	132	mg/L	5.0	1.8	1		02/09/22 21:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:18		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-47R **Lab ID: 9258555016** Collected: 02/01/22 10:40 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1		02/12/22 17:35	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 17:35	16984-48-8	
Sulfate	9.4	mg/L	1.0	0.50	1		02/12/22 17:35	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWC-49Z **Lab ID: 9258555017** Collected: 02/01/22 12:23 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:39		
pH	5.00	Std. Units			1		02/07/22 10:39		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:22	7440-66-6	
Potassium	0.38	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:22	7440-09-7	
Sodium	2.5	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:22	7440-23-5	
Calcium	0.62J	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:22	7440-70-2	
Magnesium	0.29	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:22	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.00097J	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:14	7440-38-2	
Barium	0.0030J	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:14	7440-41-7	
Boron	0.0087J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:14	7440-47-3	
Cobalt	0.00066J	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:14	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:17	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:57	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		02/07/22 16:45		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	3.4J	mg/L	5.0	1.8	1		02/09/22 22:18		
Alkalinity,Bicarbonate (CaCO3)	3.4J	mg/L	5.0	1.8	1		02/09/22 22:18		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:18		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-49Z **Lab ID: 9258555017** Collected: 02/01/22 12:23 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.93J	mg/L	1.0	0.60	1		02/12/22 18:17	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:17	16984-48-8	
Sulfate	0.93J	mg/L	1.0	0.50	1		02/12/22 18:17	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: GWC-49R **Lab ID: 9258555018** Collected: 02/01/22 10:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:39		
pH	7.63	Std. Units			1		02/07/22 10:39		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:27	7440-66-6	
Potassium	0.78	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:27	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:27	7440-23-5	
Calcium	26.0	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:27	7440-70-2	
Magnesium	14.5	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:27	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:20	7440-38-2	
Barium	0.011	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:23	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 17:59	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	125	mg/L	10.0	10.0	1		02/07/22 16:45		
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2320B Alkalinity

Analytical Method: SM 2320B
Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	121	mg/L	5.0	1.8	1		02/09/22 21:36		
Alkalinity,Bicarbonate (CaCO3)	121	mg/L	5.0	1.8	1		02/09/22 21:36		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:36		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

Sample: **GWC-49R** Lab ID: **92585555018** Collected: 02/01/22 10:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/12/22 18:31	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:31	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/12/22 18:31	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: DUP-2 **Lab ID: 9258555019** Collected: 02/01/22 00:00 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:32	7440-66-6	
Potassium	0.73	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:32	7440-09-7	
Sodium	1.3	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:32	7440-23-5	
Calcium	38.8	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:32	7440-70-2	
Magnesium	21.2	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:32	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:38	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:38	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:38	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:38	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:38	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:29	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 18:02	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	180	mg/L	10.0	10.0	1		02/07/22 17:20		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	190	mg/L	5.0	1.8	1		02/09/22 21:42		
Alkalinity,Bicarbonate (CaCO3)	190	mg/L	5.0	1.8	1		02/09/22 21:42		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:42		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		02/12/22 18:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:45	16984-48-8	
Sulfate	6.1	mg/L	1.0	0.50	1		02/12/22 18:45	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: FB-2 **Lab ID: 9258555020** Collected: 02/01/22 15:45 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:36	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:36	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:36	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:36	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:36	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:44	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:44	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:44	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:44	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:44	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:44	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:44	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 15:35	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 12:00	02/09/22 18:05	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/07/22 17:20		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/09/22 21:48		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 18:59	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 18:59	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 18:59	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-39RZ **Lab ID: 9258555021** Collected: 02/02/22 10:16 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:39		
pH	6.89	Std. Units			1		02/07/22 10:39		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:41	7440-66-6	
Potassium	0.95	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:41	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:41	7440-23-5	
Calcium	32.6	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:41	7440-70-2	
Magnesium	17.1	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:41	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 22:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:50	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 22:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 22:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 22:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 22:50	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 22:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 22:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 22:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 22:50	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 22:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 22:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 22:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 22:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 16:04	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 13:30	02/09/22 19:21	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	143	mg/L	10.0	10.0	1		02/08/22 11:12		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	146	mg/L	5.0	1.8	1		02/09/22 21:57		
Alkalinity,Bicarbonate (CaCO3)	146	mg/L	5.0	1.8	1		02/09/22 21:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 21:57		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: GWA-39RZ **Lab ID: 9258555021** Collected: 02/02/22 10:16 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		02/12/22 19:12	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:12	16984-48-8	
Sulfate	4.5	mg/L	1.0	0.50	1		02/12/22 19:12	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: FB-3 **Lab ID: 9258555022** Collected: 02/02/22 16:04 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 22:55	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 22:55	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 22:55	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 22:55	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 22:55	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 23:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 23:02	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 23:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 23:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 23:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 23:02	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 23:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 23:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 23:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 23:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 23:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 23:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 23:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 23:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 16:10	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 13:30	02/09/22 19:23	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/08/22 11:12		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/09/22 22:03		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:03		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 19:26	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:26	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 19:26	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Sample: EB-1		Lab ID: 9258555023		Collected: 02/02/22 16:08	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/14/22 13:18	02/14/22 23:00	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/14/22 13:18	02/14/22 23:00	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/14/22 13:18	02/14/22 23:00	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/14/22 13:18	02/14/22 23:00	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/14/22 13:18	02/14/22 23:00	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/14/22 08:52	02/14/22 23:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 23:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/14/22 08:52	02/14/22 23:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/14/22 08:52	02/14/22 23:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/14/22 08:52	02/14/22 23:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/14/22 08:52	02/14/22 23:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/14/22 08:52	02/14/22 23:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/14/22 08:52	02/14/22 23:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/14/22 08:52	02/14/22 23:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/14/22 08:52	02/14/22 23:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/14/22 08:52	02/14/22 23:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/14/22 08:52	02/14/22 23:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/14/22 08:52	02/14/22 23:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/14/22 08:52	02/14/22 23:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/14/22 08:52	02/15/22 16:16	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/09/22 13:30	02/09/22 19:26	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/08/22 11:12		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/09/22 22:07		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:07		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/09/22 22:07		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 19:40	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:40	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 19:40	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 678031 Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015

METHOD BLANK: 3548482 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/14/22 14:33	
Magnesium	mg/L	ND	0.050	0.012	02/14/22 14:33	
Potassium	mg/L	ND	0.20	0.15	02/14/22 14:33	
Sodium	mg/L	ND	1.0	0.58	02/14/22 14:33	
Zinc	mg/L	ND	0.020	0.0085	02/14/22 14:33	

LABORATORY CONTROL SAMPLE: 3548483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	103	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	0.98	98	80-120	
Sodium	mg/L	1	1.0	101	80-120	
Zinc	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548484 3548485

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result	% Rec	% Rec						
Calcium	mg/L	1	18.5	1	18.5	18.3	1	-16	75-125	1	20	M1	
Magnesium	mg/L	1	10.3	1	10.9	10.8	62	52	75-125	1	20	M1	
Potassium	mg/L	1	0.97	1	2.0	2.0	101	104	75-125	1	20		
Sodium	mg/L	1	1.4	1	2.4	2.4	101	99	75-125	1	20		
Zinc	mg/L	1	ND	1	1.0	1.0	104	104	75-125	0	20		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch: 678103 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 3548893 Matrix: Water
 Associated Lab Samples: 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/14/22 20:41	
Magnesium	mg/L	ND	0.050	0.012	02/14/22 20:41	
Potassium	mg/L	ND	0.20	0.15	02/14/22 20:41	
Sodium	mg/L	ND	1.0	0.58	02/14/22 20:41	
Zinc	mg/L	ND	0.020	0.0085	02/14/22 20:41	

LABORATORY CONTROL SAMPLE: 3548894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.92J	92	80-120	
Magnesium	mg/L	1	0.97	97	80-120	
Potassium	mg/L	1	0.94	94	80-120	
Sodium	mg/L	1	0.90J	90	80-120	
Zinc	mg/L	1	0.95	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548895 3548896

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92585920002 Result	Spike Conc.	Spike Conc.	MS Result						
Calcium	mg/L	17.2	1	1	17.4	18.9	28	177	75-125	8	20 M1
Magnesium	mg/L	3.1	1	1	3.9	4.2	80	111	75-125	8	20
Potassium	mg/L	2.5	1	1	3.3	3.6	82	113	75-125	9	20
Sodium	mg/L	14.4	1	1	14.7	16.0	33	163	75-125	8	20 M1
Zinc	mg/L	ND	1	1	0.96	0.98	96	98	75-125	2	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 677804 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010

METHOD BLANK: 3547662 Matrix: Water
Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/12/22 15:37	
Arsenic	mg/L	ND	0.0050	0.0011	02/12/22 15:37	
Barium	mg/L	ND	0.0050	0.00067	02/12/22 15:37	
Beryllium	mg/L	ND	0.00050	0.000054	02/12/22 15:37	
Boron	mg/L	ND	0.040	0.0086	02/12/22 15:37	
Cadmium	mg/L	ND	0.00050	0.00011	02/12/22 15:37	
Chromium	mg/L	ND	0.0050	0.0011	02/12/22 15:37	
Cobalt	mg/L	ND	0.0050	0.00039	02/12/22 15:37	
Copper	mg/L	ND	0.0050	0.00050	02/12/22 15:37	
Lead	mg/L	ND	0.0010	0.00089	02/12/22 15:37	
Nickel	mg/L	ND	0.0050	0.00071	02/12/22 15:37	
Selenium	mg/L	ND	0.0050	0.0014	02/12/22 15:37	
Silver	mg/L	ND	0.0050	0.00044	02/12/22 15:37	
Thallium	mg/L	ND	0.0010	0.00018	02/14/22 13:53	
Vanadium	mg/L	ND	0.010	0.0019	02/12/22 15:37	

LABORATORY CONTROL SAMPLE: 3547663

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	112	80-120	
Arsenic	mg/L	0.1	0.11	106	80-120	
Barium	mg/L	0.1	0.10	105	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	113	80-120	
Cadmium	mg/L	0.1	0.10	103	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	103	80-120	
Silver	mg/L	0.1	0.11	107	80-120	
Thallium	mg/L	0.1	0.10	105	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547664 3547665												
Parameter	Units	92585555001		MS	MSD	MS		MSD		% Rec Limits	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec				
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	112	106	75-125	6	20	
Arsenic	mg/L	0.0021J	0.1	0.1	0.11	0.10	104	100	75-125	3	20	
Barium	mg/L	0.013	0.1	0.1	0.12	0.12	109	102	75-125	6	20	
Beryllium	mg/L	ND	0.1	0.1	0.11	0.11	111	109	75-125	2	20	
Boron	mg/L	ND	1	1	1.1	1.1	109	111	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.094	101	94	75-125	7	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	3	20	
Cobalt	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.097	101	97	75-125	4	20	
Lead	mg/L	ND	0.1	0.1	0.11	0.10	107	100	75-125	6	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	3	20	
Selenium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.11	0.10	108	103	75-125	5	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.10	103	104	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.10	105	102	75-125	4	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

QC Batch: 678016 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 3548415 Matrix: Water
 Associated Lab Samples: 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/14/22 20:15	
Arsenic	mg/L	0.0018J	0.0050	0.0011	02/14/22 20:15	
Barium	mg/L	ND	0.0050	0.00067	02/14/22 20:15	
Beryllium	mg/L	ND	0.00050	0.000054	02/14/22 20:15	
Boron	mg/L	ND	0.040	0.0086	02/14/22 20:15	
Cadmium	mg/L	ND	0.00050	0.00011	02/14/22 20:15	
Chromium	mg/L	ND	0.0050	0.0011	02/14/22 20:15	
Cobalt	mg/L	ND	0.0050	0.00039	02/14/22 20:15	
Copper	mg/L	ND	0.0050	0.00050	02/14/22 20:15	
Lead	mg/L	ND	0.0010	0.00089	02/14/22 20:15	
Nickel	mg/L	ND	0.0050	0.00071	02/14/22 20:15	
Selenium	mg/L	ND	0.0050	0.0014	02/14/22 20:15	
Silver	mg/L	ND	0.0050	0.00044	02/14/22 20:15	
Thallium	mg/L	ND	0.0010	0.00018	02/14/22 20:15	
Vanadium	mg/L	ND	0.010	0.0019	02/14/22 20:15	

LABORATORY CONTROL SAMPLE: 3548416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	110	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.11	105	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Copper	mg/L	0.1	0.094	94	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.10	100	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548417 3548418												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		9258555011	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	111	75-125	3	20	
Arsenic	mg/L	0.0012J	0.1	0.1	0.10	0.10	99	99	75-125	0	20	
Barium	mg/L	0.029	0.1	0.1	0.14	0.15	112	117	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.1	0.096	0.10	96	100	75-125	4	20	
Boron	mg/L	0.020J	1	1	0.97	1.0	95	98	75-125	4	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	102	105	75-125	3	20	
Chromium	mg/L	ND	0.1	0.1	0.099	0.10	98	99	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.096	0.098	95	97	75-125	2	20	
Copper	mg/L	0.0028J	0.1	0.1	0.096	0.099	93	96	75-125	3	20	
Lead	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20	
Nickel	mg/L	0.00095J	0.1	0.1	0.096	0.10	95	100	75-125	4	20	
Selenium	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	0	20	
Silver	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.097	0.10	97	100	75-125	3	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	99	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

QC Batch: 677026 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020

METHOD BLANK: 3543220 Matrix: Water
 Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012, 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 16:51	

LABORATORY CONTROL SAMPLE: 3543221

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543222 3543223

Parameter	Units	92585555001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0024	0.0024	96	95	75-125	1	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch:	677028	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585555021, 92585555022, 92585555023

METHOD BLANK: 3543231 Matrix: Water

Associated Lab Samples: 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/09/22 18:07	

LABORATORY CONTROL SAMPLE: 3543232

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0022	87	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3543233 3543234

Parameter	Units	92585920002		3543234		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0025	0.0020	0.0021	79	83	75-125	6	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

QC Batch: 675815 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012

METHOD BLANK: 3537021 Matrix: Water
 Associated Lab Samples: 92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/03/22 16:05	

LABORATORY CONTROL SAMPLE: 3537022

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	377	94	80-120	

SAMPLE DUPLICATE: 3537023

Parameter	Units	92585881002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	62.0	62.0	0	25	

SAMPLE DUPLICATE: 3537024

Parameter	Units	92585555008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	63.0	62.0	2	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch: 676438 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018

METHOD BLANK: 3540515 Matrix: Water
 Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/07/22 16:40	

LABORATORY CONTROL SAMPLE: 3540516

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	375	94	80-120	

SAMPLE DUPLICATE: 3540517

Parameter	Units	92585561006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	256	265	3	25	

SAMPLE DUPLICATE: 3540518

Parameter	Units	92586342009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	156	171	9	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

QC Batch: 676439	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92585555019, 92585555020

METHOD BLANK: 3540519 Matrix: Water
 Associated Lab Samples: 92585555019, 92585555020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/07/22 17:19	

LABORATORY CONTROL SAMPLE: 3540520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3540521

Parameter	Units	92585555019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	180	181	1	25	

SAMPLE DUPLICATE: 3540522

Parameter	Units	92585920011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	94.0	2	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

QC Batch: 676566 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92585555021, 92585555022, 92585555023

METHOD BLANK: 3541419 Matrix: Water
 Associated Lab Samples: 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/08/22 11:11	

LABORATORY CONTROL SAMPLE: 3541420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	80-120	

SAMPLE DUPLICATE: 3541421

Parameter	Units	92585920025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	46.0	34	25	D6

SAMPLE DUPLICATE: 3541422

Parameter	Units	92586436013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	103	1	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch:	797866	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009		

METHOD BLANK:	4239372	Matrix:	Water
Associated Lab Samples:	92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/08/22 21:36	

LABORATORY CONTROL SAMPLE & LCSD:		4239373	4239374								
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Alkalinity, Total as CaCO3	mg/L	40	41.8	41.3	104	103	90-110	1	20		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		4239375	4239376									
Parameter	Units	10596751001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.6	40	40	53.6	59.6	78	93	80-120	10	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		4239377	4239378									
Parameter	Units	92585555002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	84.2	40	40	121	124	92	100	80-120	2	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch:	798025	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	92585555010, 92585555011, 92585555012		

METHOD BLANK: 4240244 Matrix: Water
 Associated Lab Samples: 92585555010, 92585555011, 92585555012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/09/22 14:38	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 14:38	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 14:38	

LABORATORY CONTROL SAMPLE & LCSD: 4240245 4240246

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.9	41.9	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240247 4240248

Parameter	Units	92585555010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	8.1	40	40	50.3	51.8	106	109	80-120	3	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240249 4240250

Parameter	Units	10596970001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	21.0	40	40	60.5	60.8	99	99	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

QC Batch: 798068 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

METHOD BLANK: 4240572 Matrix: Water
 Associated Lab Samples: 92585555013, 92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/09/22 16:51	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 16:51	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/09/22 16:51	

LABORATORY CONTROL SAMPLE & LCSD: 4240573 4240574

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.2	42.1	105	105	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240575 4240576

Parameter	Units	10596353002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	127	40	40	167	167	100	100	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240827 4240828

Parameter	Units	92585555016 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	132	40	40	172	171	100	97	80-120	1	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch:	676332	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012		

METHOD BLANK:	3540061	Matrix:	Water
Associated Lab Samples:	92585555001, 92585555002, 92585555003, 92585555004, 92585555005, 92585555006, 92585555007, 92585555008, 92585555009, 92585555010, 92585555011, 92585555012		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/06/22 23:27	
Fluoride	mg/L	ND	0.10	0.050	02/06/22 23:27	
Sulfate	mg/L	ND	1.0	0.50	02/06/22 23:27	

LABORATORY CONTROL SAMPLE: 3540062						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.3	95	90-110	
Fluoride	mg/L	2.5	2.3	92	90-110	
Sulfate	mg/L	50	45.8	92	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540063 3540064											
Parameter	Units	92585058030		3540064		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	50	50	48.9	49.4	98	99	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.3	2.3	92	93	90-110	1	10
Sulfate	mg/L	ND	50	50	48.2	48.7	96	97	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3540065 3540066											
Parameter	Units	92585555010		3540066		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	4.8	50	50	55.6	55.1	102	101	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	100	100	90-110	0	10
Sulfate	mg/L	1.2	50	50	51.6	51.1	101	100	90-110	1	10

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

QC Batch: 677497 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92585555013

METHOD BLANK: 3545965 Matrix: Water
Associated Lab Samples: 92585555013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/11/22 07:04	
Fluoride	mg/L	ND	0.10	0.050	02/11/22 07:04	
Sulfate	mg/L	ND	1.0	0.50	02/11/22 07:04	

LABORATORY CONTROL SAMPLE: 3545966

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.1	104	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3545967 3545968

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92587247021	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	53.3	50	50	90.2	88.9	74	71	90-110	1	10	M1	
Fluoride	mg/L	0.41	2.5	2.5	3.1	3.1	106	106	90-110	0	10		
Sulfate	mg/L	95.9	50	50	140	139	89	86	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3545969 3545970

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92587247031	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	73.8	50	50	106	107	65	67	90-110	1	10	M1	
Fluoride	mg/L	1.1	2.5	2.5	3.7	3.8	106	108	90-110	2	10		
Sulfate	mg/L	141	50	50	179	180	77	79	90-110	1	10	M1	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

QC Batch:	677743	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023		

METHOD BLANK:	3547238	Matrix:	Water
Associated Lab Samples:	92585555014, 92585555015, 92585555016, 92585555017, 92585555018, 92585555019, 92585555020, 92585555021, 92585555022, 92585555023		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/22 16:11	
Fluoride	mg/L	ND	0.10	0.050	02/12/22 16:11	
Sulfate	mg/L	ND	1.0	0.50	02/12/22 16:11	

LABORATORY CONTROL SAMPLE: 3547239						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547240												3547241	
Parameter	Units	92585555014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	4.3	50	50	60.1	60.2	112	112	90-110	0	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10	M1	
Sulfate	mg/L	6.1	50	50	62.6	62.4	113	113	90-110	0	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547242												3547243	
Parameter	Units	92586436001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
Chloride	mg/L	1.2	50	50	57.3	57.5	112	113	90-110	0	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10	M1	
Sulfate	mg/L	0.93J	50	50	57.2	57.7	113	114	90-110	1	10	M1	

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QUALIFIERS

Project: BOWEN LF CELLS 9&10

Pace Project No.: 92585555

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585555001	GWA-39Z				
92585555002	GWA-40				
92585555003	GWA-41				
92585555004	GWA-41R				
92585555005	GWA-42				
92585555006	GWA-43				
92585555007	GWA-43R				
92585555008	GWC-44				
92585555009	GWC-46R				
92585555010	GWC-48				
92585555013	GWC-45				
92585555014	GWC-45R				
92585555015	GWC-47				
92585555016	GWC-47R				
92585555017	GWC-49Z				
92585555018	GWC-49R				
92585555021	GWA-39RZ				
92585555001	GWA-39Z	EPA 3010A	678031	EPA 6010D	678095
92585555002	GWA-40	EPA 3010A	678031	EPA 6010D	678095
92585555003	GWA-41	EPA 3010A	678031	EPA 6010D	678095
92585555004	GWA-41R	EPA 3010A	678031	EPA 6010D	678095
92585555005	GWA-42	EPA 3010A	678031	EPA 6010D	678095
92585555006	GWA-43	EPA 3010A	678031	EPA 6010D	678095
92585555007	GWA-43R	EPA 3010A	678031	EPA 6010D	678095
92585555008	GWC-44	EPA 3010A	678031	EPA 6010D	678095
92585555009	GWC-46R	EPA 3010A	678031	EPA 6010D	678095
92585555010	GWC-48	EPA 3010A	678031	EPA 6010D	678095
92585555011	DUP-1	EPA 3010A	678031	EPA 6010D	678095
92585555012	FB-1	EPA 3010A	678031	EPA 6010D	678095
92585555013	GWC-45	EPA 3010A	678031	EPA 6010D	678095
92585555014	GWC-45R	EPA 3010A	678031	EPA 6010D	678095
92585555015	GWC-47	EPA 3010A	678031	EPA 6010D	678095
92585555016	GWC-47R	EPA 3010A	678103	EPA 6010D	678189
92585555017	GWC-49Z	EPA 3010A	678103	EPA 6010D	678189
92585555018	GWC-49R	EPA 3010A	678103	EPA 6010D	678189
92585555019	DUP-2	EPA 3010A	678103	EPA 6010D	678189
92585555020	FB-2	EPA 3010A	678103	EPA 6010D	678189
92585555021	GWA-39RZ	EPA 3010A	678103	EPA 6010D	678189
92585555022	FB-3	EPA 3010A	678103	EPA 6010D	678189
92585555023	EB-1	EPA 3010A	678103	EPA 6010D	678189
92585555001	GWA-39Z	EPA 3005A	677804	EPA 6020B	677940
92585555002	GWA-40	EPA 3005A	677804	EPA 6020B	677940
92585555003	GWA-41	EPA 3005A	677804	EPA 6020B	677940
92585555004	GWA-41R	EPA 3005A	677804	EPA 6020B	677940
92585555005	GWA-42	EPA 3005A	677804	EPA 6020B	677940
92585555006	GWA-43	EPA 3005A	677804	EPA 6020B	677940
92585555007	GWA-43R	EPA 3005A	677804	EPA 6020B	677940

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92585555008	GWC-44	EPA 3005A	677804	EPA 6020B	677940
92585555009	GWC-46R	EPA 3005A	677804	EPA 6020B	677940
92585555010	GWC-48	EPA 3005A	677804	EPA 6020B	677940
92585555011	DUP-1	EPA 3005A	678016	EPA 6020B	678130
92585555012	FB-1	EPA 3005A	678016	EPA 6020B	678130
92585555013	GWC-45	EPA 3005A	678016	EPA 6020B	678130
92585555014	GWC-45R	EPA 3005A	678016	EPA 6020B	678130
92585555015	GWC-47	EPA 3005A	678016	EPA 6020B	678130
92585555016	GWC-47R	EPA 3005A	678016	EPA 6020B	678130
92585555017	GWC-49Z	EPA 3005A	678016	EPA 6020B	678130
92585555018	GWC-49R	EPA 3005A	678016	EPA 6020B	678130
92585555019	DUP-2	EPA 3005A	678016	EPA 6020B	678130
92585555020	FB-2	EPA 3005A	678016	EPA 6020B	678130
92585555021	GWA-39RZ	EPA 3005A	678016	EPA 6020B	678130
92585555022	FB-3	EPA 3005A	678016	EPA 6020B	678130
92585555023	EB-1	EPA 3005A	678016	EPA 6020B	678130
92585555001	GWA-39Z	EPA 7470A	677026	EPA 7470A	677148
92585555002	GWA-40	EPA 7470A	677026	EPA 7470A	677148
92585555003	GWA-41	EPA 7470A	677026	EPA 7470A	677148
92585555004	GWA-41R	EPA 7470A	677026	EPA 7470A	677148
92585555005	GWA-42	EPA 7470A	677026	EPA 7470A	677148
92585555006	GWA-43	EPA 7470A	677026	EPA 7470A	677148
92585555007	GWA-43R	EPA 7470A	677026	EPA 7470A	677148
92585555008	GWC-44	EPA 7470A	677026	EPA 7470A	677148
92585555009	GWC-46R	EPA 7470A	677026	EPA 7470A	677148
92585555010	GWC-48	EPA 7470A	677026	EPA 7470A	677148
92585555011	DUP-1	EPA 7470A	677026	EPA 7470A	677148
92585555012	FB-1	EPA 7470A	677026	EPA 7470A	677148
92585555013	GWC-45	EPA 7470A	677026	EPA 7470A	677148
92585555014	GWC-45R	EPA 7470A	677026	EPA 7470A	677148
92585555015	GWC-47	EPA 7470A	677026	EPA 7470A	677148
92585555016	GWC-47R	EPA 7470A	677026	EPA 7470A	677148
92585555017	GWC-49Z	EPA 7470A	677026	EPA 7470A	677148
92585555018	GWC-49R	EPA 7470A	677026	EPA 7470A	677148
92585555019	DUP-2	EPA 7470A	677026	EPA 7470A	677148
92585555020	FB-2	EPA 7470A	677026	EPA 7470A	677148
92585555021	GWA-39RZ	EPA 7470A	677028	EPA 7470A	677150
92585555022	FB-3	EPA 7470A	677028	EPA 7470A	677150
92585555023	EB-1	EPA 7470A	677028	EPA 7470A	677150
92585555001	GWA-39Z	SM 2540C-2015	675815		
92585555002	GWA-40	SM 2540C-2015	675815		
92585555003	GWA-41	SM 2540C-2015	675815		
92585555004	GWA-41R	SM 2540C-2015	675815		
92585555005	GWA-42	SM 2540C-2015	675815		
92585555006	GWA-43	SM 2540C-2015	675815		
92585555007	GWA-43R	SM 2540C-2015	675815		
92585555008	GWC-44	SM 2540C-2015	675815		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
 Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9258555009	GWC-46R	SM 2540C-2015	675815		
9258555010	GWC-48	SM 2540C-2015	675815		
9258555011	DUP-1	SM 2540C-2015	675815		
9258555012	FB-1	SM 2540C-2015	675815		
9258555013	GWC-45	SM 2540C-2015	676438		
9258555014	GWC-45R	SM 2540C-2015	676438		
9258555015	GWC-47	SM 2540C-2015	676438		
9258555016	GWC-47R	SM 2540C-2015	676438		
9258555017	GWC-49Z	SM 2540C-2015	676438		
9258555018	GWC-49R	SM 2540C-2015	676438		
9258555019	DUP-2	SM 2540C-2015	676439		
9258555020	FB-2	SM 2540C-2015	676439		
9258555021	GWA-39RZ	SM 2540C-2015	676566		
9258555022	FB-3	SM 2540C-2015	676566		
9258555023	EB-1	SM 2540C-2015	676566		
9258555001	GWA-39Z	SM 2320B	797866		
9258555002	GWA-40	SM 2320B	797866		
9258555003	GWA-41	SM 2320B	797866		
9258555004	GWA-41R	SM 2320B	797866		
9258555005	GWA-42	SM 2320B	797866		
9258555006	GWA-43	SM 2320B	797866		
9258555007	GWA-43R	SM 2320B	797866		
9258555008	GWC-44	SM 2320B	797866		
9258555009	GWC-46R	SM 2320B	797866		
9258555010	GWC-48	SM 2320B	798025		
9258555011	DUP-1	SM 2320B	798025		
9258555012	FB-1	SM 2320B	798025		
9258555013	GWC-45	SM 2320B	798068		
9258555014	GWC-45R	SM 2320B	798068		
9258555015	GWC-47	SM 2320B	798068		
9258555016	GWC-47R	SM 2320B	798068		
9258555017	GWC-49Z	SM 2320B	798068		
9258555018	GWC-49R	SM 2320B	798068		
9258555019	DUP-2	SM 2320B	798068		
9258555020	FB-2	SM 2320B	798068		
9258555021	GWA-39RZ	SM 2320B	798068		
9258555022	FB-3	SM 2320B	798068		
9258555023	EB-1	SM 2320B	798068		
9258555001	GWA-39Z	EPA 300.0 Rev 2.1 1993	676332		
9258555002	GWA-40	EPA 300.0 Rev 2.1 1993	676332		
9258555003	GWA-41	EPA 300.0 Rev 2.1 1993	676332		
9258555004	GWA-41R	EPA 300.0 Rev 2.1 1993	676332		
9258555005	GWA-42	EPA 300.0 Rev 2.1 1993	676332		
9258555006	GWA-43	EPA 300.0 Rev 2.1 1993	676332		
9258555007	GWA-43R	EPA 300.0 Rev 2.1 1993	676332		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 9&10
Pace Project No.: 92585555

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
9258555008	GWC-44	EPA 300.0 Rev 2.1 1993	676332		
9258555009	GWC-46R	EPA 300.0 Rev 2.1 1993	676332		
9258555010	GWC-48	EPA 300.0 Rev 2.1 1993	676332		
9258555011	DUP-1	EPA 300.0 Rev 2.1 1993	676332		
9258555012	FB-1	EPA 300.0 Rev 2.1 1993	676332		
9258555013	GWC-45	EPA 300.0 Rev 2.1 1993	677497		
9258555014	GWC-45R	EPA 300.0 Rev 2.1 1993	677743		
9258555015	GWC-47	EPA 300.0 Rev 2.1 1993	677743		
9258555016	GWC-47R	EPA 300.0 Rev 2.1 1993	677743		
9258555017	GWC-49Z	EPA 300.0 Rev 2.1 1993	677743		
9258555018	GWC-49R	EPA 300.0 Rev 2.1 1993	677743		
9258555019	DUP-2	EPA 300.0 Rev 2.1 1993	677743		
9258555020	FB-2	EPA 300.0 Rev 2.1 1993	677743		
9258555021	GWA-39RZ	EPA 300.0 Rev 2.1 1993	677743		
9258555022	FB-3	EPA 300.0 Rev 2.1 1993	677743		
9258555023	EB-1	EPA 300.0 Rev 2.1 1993	677743		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
Page 1 of 2
Issuing Authority:
Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Simple Condition Upon Receipt

Client Name:

G-A Power

Project #:

WO# : 92585555

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____



Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 2/11/22
lra

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID 230 Type of Ice: Wet Blue None

Cooler Temp: 4.8 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.0

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?
 Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: <u>W</u>			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Bottle Identification Form (BIF)

Document No.:
F-CAR-CS-043-Rev.01

Document Issued: November 15, 2021
Page 1 of 1

Issuing Authority:
Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Project #

WO# : 92585555

PM: NMG

Due Date: 02/15/22

CLIENT: GA-GA Power

Matrix	Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP2U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP2U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1M-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber HNO3 (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG6T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP3T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1																											
2		2	1																											
3		2	1																											
4		2	1																											
5		2	1																											
6		2	1																											
7		2	1																											
8		2	1																											
9		2	1																											
10		2	1																											
11		2	1																											
12		2	1																											

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



March 09, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between February 04, 2022 and February 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Anna Bottum, ERM
Andrea Brazell, ERM
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Lacy Smith, ERM
Caitlin Tillema, ERM
Christine Weaver, ERM

Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab
A2LA Certification #: 2926.01*
Alabama Certification #: 40770
Alaska Contaminated Sites Certification #: 17-009*
Alaska DW Certification #: MN00064
Arizona Certification #: AZ0014*
Arkansas DW Certification #: MN00064
Arkansas WW Certification #: 88-0680
California Certification #: 2929
Colorado Certification #: MN00064
Connecticut Certification #: PH-0256
EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
Florida Certification #: E87605*
Georgia Certification #: 959
Hawaii Certification #: MN00064
Idaho Certification #: MN00064
Illinois Certification #: 200011
Indiana Certification #: C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky DW Certification #: 90062
Kentucky WW Certification #: 90062
Louisiana DEQ Certification #: AI-03086*
Louisiana DW Certification #: MN00064
Maine Certification #: MN00064*
Maryland Certification #: 322
Michigan Certification #: 9909
Minnesota Certification #: 027-053-137*
Minnesota Dept of Ag Approval: via MN 027-053-137
Minnesota Petrofund Registration #: 1240*
Mississippi Certification #: MN00064

Missouri Certification #: 10100
Montana Certification #: CERT0092
Nebraska Certification #: NE-OS-18-06
Nevada Certification #: MN00064
New Hampshire Certification #: 2081*
New Jersey Certification #: MN002
New York Certification #: 11647*
North Carolina DW Certification #: 27700
North Carolina WW Certification #: 530
North Dakota Certification #: R-036
Ohio DW Certification #: 41244
Ohio VAP Certification (1700) #: CL101
Ohio VAP Certification (1800) #: CL110*
Oklahoma Certification #: 9507*
Oregon Primary Certification #: MN300001
Oregon Secondary Certification #: MN200001*
Pennsylvania Certification #: 68-00563*
Puerto Rico Certification #: MN00064
South Carolina Certification #:74003001
Tennessee Certification #: TN02818
Texas Certification #: T104704192*
Utah Certification #: MN00064*
Vermont Certification #: VT-027053137
Virginia Certification #: 460163*
Washington Certification #: C486*
West Virginia DEP Certification #: 382
West Virginia DW Certification #: 9952 C
Wisconsin Certification #: 999407970
Wyoming UST Certification #: via A2LA 2926.01
USDA Permit #: P330-19-00208
Please Note: Applicable air certifications are denoted with an asterisk ().

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinney Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812
North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92586436001	GWA-1	Water	02/01/22 14:50	02/04/22 11:45
92586436002	GWA-2	Water	02/01/22 14:44	02/04/22 11:45
92586436003	GWA-2R	Water	02/01/22 15:45	02/04/22 11:45
92586436004	GWA-50	Water	02/01/22 15:40	02/04/22 11:45
92586436005	DUP-1	Water	02/01/22 00:00	02/04/22 11:45
92586436006	FB-1	Water	02/01/22 16:00	02/04/22 11:45
92586436007	GWA-3A	Water	02/02/22 12:08	02/04/22 11:45
92586436008	GWC-5	Water	02/02/22 11:34	02/04/22 11:45
92586436009	GWC-6	Water	02/02/22 15:22	02/04/22 11:45
92586436010	GWC-6RZ	Water	02/02/22 14:00	02/04/22 11:45
92586436011	GWC-7Z	Water	02/02/22 12:15	02/04/22 11:45
92586436012	GWC-8Z	Water	02/02/22 14:24	02/04/22 11:45
92586436013	GWC-8RR	Water	02/02/22 16:16	02/04/22 11:45
92586436014	GWC-9	Water	02/02/22 15:02	02/04/22 11:45
92586436015	GWC-12	Water	02/02/22 15:55	02/04/22 11:45
92586436016	GWA-50R	Water	02/02/22 10:12	02/04/22 11:45
92586436017	DUP-2	Water	02/02/22 00:00	02/04/22 11:45
92586436018	FB-2	Water	02/02/22 16:14	02/04/22 11:45
92586436019	GWA-4RZ	Water	02/03/22 10:55	02/04/22 11:45
92586436020	FB-3	Water	02/03/22 12:00	02/04/22 11:45
92586436021	GWC-10	Water	02/04/22 11:15	02/08/22 08:10
92586436022	GWC-10R	Water	02/04/22 12:40	02/08/22 08:10
92586436023	GWC-11	Water	02/04/22 12:33	02/08/22 08:10
92586436024	GWC-11R	Water	02/04/22 10:45	02/08/22 08:10
92586436025	GWC-13RZ	Water	02/04/22 09:44	02/08/22 08:10
92586436026	GWC-14Z	Water	02/04/22 11:30	02/08/22 08:10
92586436027	GWC-15R	Water	02/04/22 13:14	02/08/22 08:10
92586436028	DUP-3	Water	02/04/22 00:00	02/08/22 08:10
92586436029	FB-4	Water	02/04/22 13:15	02/08/22 08:10
92586436030	GWC-15Z	Water	02/07/22 10:13	02/08/22 08:10
92586436031	FB-5	Water	02/07/22 11:30	02/08/22 08:10
92586436032	GWC-13	Water	02/17/22 13:06	02/18/22 09:52
92586436033	FB-6	Water	02/17/22 13:40	02/18/22 09:52

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436001	GWA-1	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436002	GWA-2	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436003	GWA-2R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92586436004	GWA-50	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92586436005	DUP-1	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
92586436006	FB-1	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436007	GWA-3A	EPA 6010D	DRB	5	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436008	GWC-5	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436009	GWC-6	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92586436010	GWC-6RZ	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
92586436011	GWC-7Z	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436012	GWC-8Z	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
92586436013	GWC-8RR	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436014	GWC-9	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436015	GWC-12	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436016	GWA-50R	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92586436017	DUP-2	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436018	FB-2	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436019	GWA-4RZ	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436020	FB-3	SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436021	GWC-10	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
92586436022	GWC-10R	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
92586436023	GWC-11	EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
92586436024	GWC-11R	EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
92586436025	GWC-13RZ	EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436026	GWC-14Z	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436027	GWC-15R	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436028	DUP-3	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436029	FB-4	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436030	GWC-15Z	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
92586436031	FB-5	SM 2320B	AR3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	DRB	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AR3	3	PASI-M

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92586436032	GWC-13	EPA 300.0 Rev 2.1 1993	JCM	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
92586436033	FB-6	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2540C-2015	ALW	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA
 PASI-M = Pace Analytical Services - Minneapolis

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436001	GWA-1					
	Performed by	CUSTOME			02/07/22 10:49	
		R				
	pH	7.52	Std. Units		02/07/22 10:49	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/18/22 15:52	
EPA 6010D	Sodium	6.5	mg/L	1.0	02/18/22 15:52	
EPA 6010D	Calcium	34.1	mg/L	1.0	02/18/22 15:52	
EPA 6010D	Magnesium	16.4	mg/L	0.050	02/18/22 15:52	
EPA 6020B	Antimony	0.0028J	mg/L	0.0030	02/18/22 14:39	
EPA 6020B	Barium	0.015	mg/L	0.0050	02/18/22 14:39	
SM 2540C-2015	Total Dissolved Solids	143	mg/L	10.0	02/07/22 17:20	
SM 2320B	Alkalinity, Total as CaCO3	161	mg/L	5.0	02/10/22 16:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	02/10/22 16:44	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/12/22 19:54	M1
EPA 300.0 Rev 2.1 1993	Sulfate	0.93J	mg/L	1.0	02/12/22 19:54	M1
92586436002	GWA-2					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	6.30	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	0.88	mg/L	0.20	02/18/22 15:56	
EPA 6010D	Sodium	1.9	mg/L	1.0	02/18/22 15:56	
EPA 6010D	Calcium	48.0	mg/L	1.0	02/18/22 15:56	M1
EPA 6010D	Magnesium	14.0	mg/L	0.050	02/18/22 15:56	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 14:45	
EPA 6020B	Barium	0.026	mg/L	0.0050	02/18/22 14:45	
SM 2540C-2015	Total Dissolved Solids	202	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	80.9	mg/L	5.0	02/10/22 17:00	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	80.9	mg/L	5.0	02/10/22 17:00	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/12/22 21:04	
EPA 300.0 Rev 2.1 1993	Sulfate	86.1	mg/L	1.0	02/12/22 21:04	
92586436003	GWA-2R					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	6.62	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	0.67	mg/L	0.20	02/18/22 16:16	
EPA 6010D	Sodium	1.1	mg/L	1.0	02/18/22 16:16	
EPA 6010D	Calcium	34.1	mg/L	1.0	02/18/22 16:16	
EPA 6010D	Magnesium	11.1	mg/L	0.050	02/18/22 16:16	
EPA 6020B	Antimony	0.0029J	mg/L	0.0030	02/18/22 14:51	
EPA 6020B	Arsenic	0.0053	mg/L	0.0050	02/18/22 14:51	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/18/22 14:51	
EPA 6020B	Cobalt	0.00093J	mg/L	0.0050	02/18/22 14:51	
EPA 6020B	Copper	0.00096J	mg/L	0.0050	02/18/22 14:51	
SM 2540C-2015	Total Dissolved Solids	114	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	122	mg/L	5.0	02/10/22 17:06	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	122	mg/L	5.0	02/10/22 17:06	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	02/12/22 21:18	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/12/22 21:18	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436004	GWA-50					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	5.61	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	0.25	mg/L	0.20	02/18/22 16:20	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/18/22 16:20	
EPA 6010D	Calcium	1.5	mg/L	1.0	02/18/22 16:20	
EPA 6010D	Magnesium	0.31	mg/L	0.050	02/18/22 16:20	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	02/18/22 15:15	
EPA 6020B	Barium	0.0065	mg/L	0.0050	02/18/22 15:15	
EPA 6020B	Copper	0.0017J	mg/L	0.0050	02/18/22 15:15	
EPA 6020B	Nickel	0.00080J	mg/L	0.0050	02/18/22 15:15	
SM 2540C-2015	Total Dissolved Solids	21.0	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	4.7J	mg/L	5.0	02/10/22 19:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	4.7J	mg/L	5.0	02/10/22 19:19	
EPA 300.0 Rev 2.1 1993	Chloride	0.91J	mg/L	1.0	02/12/22 21:32	
92586436005	DUP-1					
EPA 6010D	Potassium	0.71	mg/L	0.20	02/18/22 16:25	
EPA 6010D	Sodium	1.1	mg/L	1.0	02/18/22 16:25	
EPA 6010D	Calcium	33.8	mg/L	1.0	02/18/22 16:25	
EPA 6010D	Magnesium	11.0	mg/L	0.050	02/18/22 16:25	
EPA 6020B	Antimony	0.0033	mg/L	0.0030	02/18/22 15:21	
EPA 6020B	Arsenic	0.0037J	mg/L	0.0050	02/18/22 15:21	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/18/22 15:21	
EPA 6020B	Cobalt	0.00090J	mg/L	0.0050	02/18/22 15:21	
EPA 6020B	Copper	0.00078J	mg/L	0.0050	02/18/22 15:21	
SM 2540C-2015	Total Dissolved Solids	118	mg/L	10.0	02/07/22 17:21	
SM 2320B	Alkalinity, Total as CaCO3	120	mg/L	5.0	02/10/22 17:15	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	02/10/22 17:15	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	02/12/22 21:46	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/12/22 21:46	
92586436007	GWA-3A					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	7.94	Std. Units		02/07/22 10:50	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/18/22 16:44	
EPA 6010D	Sodium	3.5	mg/L	1.0	02/18/22 16:44	
EPA 6010D	Calcium	22.6	mg/L	1.0	02/18/22 16:44	
EPA 6010D	Magnesium	11.3	mg/L	0.050	02/18/22 16:44	
EPA 6020B	Barium	0.0064	mg/L	0.0050	02/18/22 15:50	
EPA 6020B	Chromium	0.0069	mg/L	0.0050	02/18/22 15:50	
SM 2540C-2015	Total Dissolved Solids	104	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	97.5	mg/L	5.0	02/10/22 20:33	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	97.5	mg/L	5.0	02/10/22 20:33	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/12/22 22:14	
EPA 300.0 Rev 2.1 1993	Sulfate	3.4	mg/L	1.0	02/12/22 22:14	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436008	GWC-5					
	Performed by	CUSTOME			02/07/22 10:50	
		R				
	pH	5.90	Std. Units		02/07/22 10:50	
EPA 6010D	Zinc	0.034	mg/L	0.020	02/18/22 16:49	
EPA 6010D	Potassium	1.8	mg/L	0.20	02/18/22 16:49	
EPA 6010D	Sodium	1.7	mg/L	1.0	02/18/22 16:49	
EPA 6010D	Calcium	3.7	mg/L	1.0	02/18/22 16:49	
EPA 6010D	Magnesium	0.27	mg/L	0.050	02/18/22 16:49	
EPA 6020B	Barium	0.012	mg/L	0.0050	02/18/22 15:56	
EPA 6020B	Beryllium	0.00075	mg/L	0.00050	02/18/22 15:56	
EPA 6020B	Copper	0.024	mg/L	0.0050	02/18/22 15:56	
EPA 6020B	Nickel	0.0088	mg/L	0.0050	02/18/22 15:56	
SM 2540C-2015	Total Dissolved Solids	32.0	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	11.9	mg/L	5.0	02/10/22 21:53	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	11.9	mg/L	5.0	02/10/22 21:53	
EPA 300.0 Rev 2.1 1993	Chloride	0.66J	mg/L	1.0	02/12/22 22:27	
EPA 300.0 Rev 2.1 1993	Sulfate	1.0	mg/L	1.0	02/12/22 22:27	
92586436009	GWC-6					
	Performed by	CUSTOME			02/07/22 10:51	
		R				
	pH	7.40	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/18/22 16:54	
EPA 6010D	Sodium	1.0	mg/L	1.0	02/18/22 16:54	
EPA 6010D	Calcium	15.5	mg/L	1.0	02/18/22 16:54	
EPA 6010D	Magnesium	7.6	mg/L	0.050	02/18/22 16:54	
EPA 6020B	Barium	0.0064	mg/L	0.0050	02/18/22 16:02	
EPA 6020B	Chromium	0.0026J	mg/L	0.0050	02/18/22 16:02	
SM 2540C-2015	Total Dissolved Solids	73.0	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	63.7	mg/L	5.0	02/10/22 20:40	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	63.7	mg/L	5.0	02/10/22 20:40	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/12/22 22:41	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/12/22 22:41	
92586436010	GWC-6RZ					
	Performed by	CUSTOME			02/07/22 10:51	
		R				
	pH	6.80	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	0.79	mg/L	0.20	02/18/22 16:58	
EPA 6010D	Sodium	1.6	mg/L	1.0	02/18/22 16:58	
EPA 6010D	Calcium	10.5	mg/L	1.0	02/18/22 16:58	
EPA 6010D	Magnesium	5.4	mg/L	0.050	02/18/22 16:58	
EPA 6020B	Arsenic	0.0012J	mg/L	0.0050	02/18/22 16:08	
EPA 6020B	Barium	0.0066	mg/L	0.0050	02/18/22 16:08	
EPA 6020B	Beryllium	0.000070J	mg/L	0.00050	02/18/22 16:08	
EPA 6020B	Chromium	0.0024J	mg/L	0.0050	02/18/22 16:08	
SM 2540C-2015	Total Dissolved Solids	51.0	mg/L	10.0	02/08/22 11:13	
SM 2320B	Alkalinity, Total as CaCO3	43.6	mg/L	5.0	02/10/22 20:44	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	43.6	mg/L	5.0	02/10/22 20:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436010	GWC-6RZ					
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/12/22 22:55	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/12/22 22:55	
92586436011	GWC-7Z					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	7.54	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	0.97	mg/L	0.20	02/18/22 17:03	
EPA 6010D	Sodium	2.7	mg/L	1.0	02/18/22 17:03	
EPA 6010D	Calcium	26.9	mg/L	1.0	02/18/22 17:03	
EPA 6010D	Magnesium	13.4	mg/L	0.050	02/18/22 17:03	
EPA 6020B	Antimony	0.00093J	mg/L	0.0030	02/18/22 16:14	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0050	02/18/22 16:14	
EPA 6020B	Barium	0.015	mg/L	0.0050	02/18/22 16:14	
EPA 6020B	Cobalt	0.00042J	mg/L	0.0050	02/18/22 16:14	
SM 2540C-2015	Total Dissolved Solids	115	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	123	mg/L	5.0	02/10/22 20:48	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	02/10/22 20:48	
EPA 300.0 Rev 2.1 1993	Chloride	0.76J	mg/L	1.0	02/13/22 00:05	M1
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	02/13/22 00:05	M1
92586436012	GWC-8Z					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	8.92	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	1.8	mg/L	0.20	02/18/22 17:08	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/18/22 17:08	
EPA 6010D	Calcium	20.8	mg/L	1.0	02/18/22 17:08	
EPA 6010D	Magnesium	7.0	mg/L	0.050	02/18/22 17:08	
EPA 6020B	Arsenic	0.0011J	mg/L	0.0050	02/18/22 16:20	
EPA 6020B	Barium	0.024	mg/L	0.0050	02/18/22 16:20	
EPA 6020B	Beryllium	0.00064J	mg/L	0.00050	02/18/22 16:20	
EPA 6020B	Chromium	0.0021J	mg/L	0.0050	02/18/22 16:20	
SM 2540C-2015	Total Dissolved Solids	85.0	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	76.7	mg/L	5.0	02/10/22 20:52	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	76.7	mg/L	5.0	02/10/22 20:52	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/13/22 00:47	
EPA 300.0 Rev 2.1 1993	Sulfate	0.72J	mg/L	1.0	02/13/22 00:47	
92586436013	GWC-8RR					
	Performed by	CUSTOMER			02/07/22 10:51	
	pH	8.13	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	1.3	mg/L	0.20	02/18/22 17:13	
EPA 6010D	Sodium	0.81J	mg/L	1.0	02/18/22 17:13	
EPA 6010D	Calcium	23.9	mg/L	1.0	02/18/22 17:13	
EPA 6010D	Magnesium	11.0	mg/L	0.050	02/18/22 17:13	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	02/18/22 16:26	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/18/22 16:26	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436013	GWC-8RR					
EPA 6020B	Barium	0.013	mg/L	0.0050	02/18/22 16:26	
EPA 6020B	Chromium	0.0015J	mg/L	0.0050	02/18/22 16:26	
SM 2540C-2015	Total Dissolved Solids	102	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	102	mg/L	5.0	02/10/22 21:12	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	02/10/22 21:12	
EPA 300.0 Rev 2.1 1993	Chloride	0.77J	mg/L	1.0	02/13/22 01:01	
EPA 300.0 Rev 2.1 1993	Sulfate	0.72J	mg/L	1.0	02/13/22 01:01	
92586436014	GWC-9					
	Performed by	CUSTOME			02/07/22 10:51	
		R				
	pH	4.81	Std. Units		02/07/22 10:51	
EPA 6010D	Potassium	0.92	mg/L	0.20	02/18/22 17:17	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/18/22 17:17	
EPA 6010D	Calcium	2.2	mg/L	1.0	02/18/22 17:17	
EPA 6010D	Magnesium	1.2	mg/L	0.050	02/18/22 17:17	
EPA 6020B	Arsenic	0.0013J	mg/L	0.0050	02/18/22 16:32	
EPA 6020B	Barium	0.044	mg/L	0.0050	02/18/22 16:32	
EPA 6020B	Beryllium	0.00018J	mg/L	0.00050	02/18/22 16:32	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	02/18/22 16:32	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/18/22 16:32	
SM 2540C-2015	Total Dissolved Solids	21.0	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	2.5J	mg/L	5.0	02/10/22 21:57	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.5J	mg/L	5.0	02/10/22 21:57	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/13/22 01:15	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/13/22 01:15	
92586436015	GWC-12					
	Performed by	CUSTOME			02/07/22 10:52	
		R				
	pH	6.35	Std. Units		02/07/22 10:52	
EPA 6010D	Zinc	0.019J	mg/L	0.020	02/18/22 17:22	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/18/22 17:22	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/18/22 17:22	
EPA 6010D	Calcium	8.4	mg/L	1.0	02/18/22 17:22	
EPA 6010D	Magnesium	4.4	mg/L	0.050	02/18/22 17:22	
EPA 6020B	Arsenic	0.0027J	mg/L	0.0050	02/18/22 16:38	
EPA 6020B	Barium	0.023	mg/L	0.0050	02/18/22 16:38	
EPA 6020B	Cadmium	0.0012	mg/L	0.00050	02/18/22 16:38	
EPA 6020B	Cobalt	0.0034J	mg/L	0.0050	02/18/22 16:38	
EPA 6020B	Nickel	0.0025J	mg/L	0.0050	02/18/22 16:38	
SM 2540C-2015	Total Dissolved Solids	54.0	mg/L	10.0	02/08/22 11:14	
SM 2320B	Alkalinity, Total as CaCO3	55.9	mg/L	5.0	02/10/22 21:19	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	55.9	mg/L	5.0	02/10/22 21:19	
EPA 300.0 Rev 2.1 1993	Chloride	0.79J	mg/L	1.0	02/13/22 01:28	
92586436016	GWA-50R					
	Performed by	CUSTOME			02/07/22 10:52	
		R				

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436016	GWA-50R					
	pH	5.17	Std. Units		02/07/22 10:52	
EPA 6010D	Potassium	0.20	mg/L	0.20	02/18/22 17:36	
EPA 6010D	Sodium	0.94J	mg/L	1.0	02/18/22 17:36	
EPA 6010D	Calcium	0.93J	mg/L	1.0	02/18/22 17:36	
EPA 6010D	Magnesium	0.34	mg/L	0.050	02/18/22 17:36	
EPA 6020B	Barium	0.0090	mg/L	0.0050	02/18/22 17:13	
EPA 6020B	Beryllium	0.000055J	mg/L	0.00050	02/18/22 17:13	
EPA 6020B	Copper	0.0033J	mg/L	0.0050	02/18/22 17:13	
EPA 6020B	Nickel	0.00089J	mg/L	0.0050	02/18/22 17:13	
EPA 6020B	Silver	0.0012J	mg/L	0.0050	02/18/22 17:13	
SM 2540C-2015	Total Dissolved Solids	15.0	mg/L	10.0	02/08/22 11:15	
SM 2320B	Alkalinity, Total as CaCO3	2.9J	mg/L	5.0	02/10/22 22:00	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.9J	mg/L	5.0	02/10/22 22:00	
EPA 300.0 Rev 2.1 1993	Chloride	0.70J	mg/L	1.0	02/13/22 01:42	
EPA 300.0 Rev 2.1 1993	Sulfate	0.53J	mg/L	1.0	02/13/22 01:42	
92586436017	DUP-2					
EPA 6010D	Potassium	0.97	mg/L	0.20	02/18/22 17:41	
EPA 6010D	Sodium	1.2	mg/L	1.0	02/18/22 17:41	
EPA 6010D	Calcium	2.3	mg/L	1.0	02/18/22 17:41	
EPA 6010D	Magnesium	1.2	mg/L	0.050	02/18/22 17:41	
EPA 6020B	Barium	0.045	mg/L	0.0050	02/18/22 17:19	
EPA 6020B	Beryllium	0.00018J	mg/L	0.00050	02/18/22 17:19	
EPA 6020B	Cobalt	0.00042J	mg/L	0.0050	02/18/22 17:19	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	02/18/22 17:19	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	02/08/22 11:15	
SM 2320B	Alkalinity, Total as CaCO3	2.6J	mg/L	5.0	02/10/22 22:03	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	2.6J	mg/L	5.0	02/10/22 22:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	02/13/22 01:56	
EPA 300.0 Rev 2.1 1993	Sulfate	2.5	mg/L	1.0	02/13/22 01:56	
92586436019	GWA-4RZ					
	Performed by	CUSTOMER			02/07/22 10:52	
	pH	7.20	Std. Units		02/07/22 10:52	
EPA 6010D	Potassium	0.88	mg/L	0.20	02/18/22 18:15	
EPA 6010D	Sodium	3.8	mg/L	1.0	02/18/22 18:15	
EPA 6010D	Calcium	57.7	mg/L	1.0	02/18/22 18:15	M1
EPA 6010D	Magnesium	24.6	mg/L	0.050	02/18/22 18:15	M1
EPA 6020B	Arsenic	0.0034J	mg/L	0.0050	02/18/22 17:31	
EPA 6020B	Barium	0.063	mg/L	0.0050	02/18/22 17:31	
EPA 6020B	Cobalt	0.0059	mg/L	0.0050	02/18/22 17:31	
SM 2540C-2015	Total Dissolved Solids	243	mg/L	10.0	02/09/22 10:14	
SM 2320B	Alkalinity, Total as CaCO3	221	mg/L	5.0	02/15/22 17:21	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	221	mg/L	5.0	02/15/22 17:21	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	02/13/22 02:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	02/13/22 02:52	
EPA 300.0 Rev 2.1 1993	Sulfate	20.7	mg/L	1.0	02/13/22 02:52	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436020	FB-3					
SM 2540C-2015	Total Dissolved Solids	12.0	mg/L	10.0	02/09/22 10:14	
92586436021	GWC-10					
	Performed by	CUSTOME			02/08/22 10:30	
		R				
	pH	6.53	Std. Units		02/08/22 10:30	
EPA 6010D	Potassium	0.51	mg/L	0.20	02/18/22 18:48	
EPA 6010D	Sodium	2.1	mg/L	1.0	02/18/22 18:48	
EPA 6010D	Calcium	21.3	mg/L	1.0	02/18/22 18:48	
EPA 6010D	Magnesium	9.0	mg/L	0.050	02/18/22 18:48	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	02/18/22 19:37	B
EPA 6020B	Barium	0.022	mg/L	0.0050	02/18/22 19:37	
EPA 6020B	Beryllium	0.00021J	mg/L	0.00050	02/18/22 19:37	
EPA 6020B	Cobalt	0.0018J	mg/L	0.0050	02/18/22 19:37	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	02/18/22 19:37	
SM 2540C-2015	Total Dissolved Solids	102	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	88.6	mg/L	5.0	02/10/22 20:43	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	88.6	mg/L	5.0	02/10/22 20:43	
EPA 300.0 Rev 2.1 1993	Chloride	1.9	mg/L	1.0	02/14/22 12:50	
EPA 300.0 Rev 2.1 1993	Sulfate	1.2	mg/L	1.0	02/14/22 12:50	
92586436022	GWC-10R					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.69	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.71	mg/L	0.20	02/18/22 18:53	
EPA 6010D	Sodium	2.0	mg/L	1.0	02/18/22 18:53	
EPA 6010D	Calcium	46.3	mg/L	1.0	02/18/22 18:53	
EPA 6010D	Magnesium	8.9	mg/L	0.050	02/18/22 18:53	
EPA 6020B	Antimony	0.0016J	mg/L	0.0030	02/18/22 20:00	
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 20:00	B
EPA 6020B	Barium	0.028	mg/L	0.0050	02/18/22 20:00	
SM 2540C-2015	Total Dissolved Solids	156	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	144	mg/L	5.0	02/10/22 20:49	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	02/10/22 20:49	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	02/14/22 13:04	
EPA 300.0 Rev 2.1 1993	Sulfate	1.1	mg/L	1.0	02/14/22 13:04	
92586436023	GWC-11					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.20	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.83	mg/L	0.20	02/18/22 18:58	
EPA 6010D	Sodium	1.4	mg/L	1.0	02/18/22 18:58	
EPA 6010D	Calcium	19.2	mg/L	1.0	02/18/22 18:58	
EPA 6010D	Magnesium	10.2	mg/L	0.050	02/18/22 18:58	
EPA 6020B	Arsenic	0.0023J	mg/L	0.0050	02/18/22 20:06	B
EPA 6020B	Barium	0.010	mg/L	0.0050	02/18/22 20:06	
EPA 6020B	Chromium	0.0071	mg/L	0.0050	02/18/22 20:06	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436023	GWC-11					
SM 2540C-2015	Total Dissolved Solids	120	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	99.4	mg/L	5.0	02/10/22 20:56	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	99.4	mg/L	5.0	02/10/22 20:56	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	02/14/22 18:49	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	02/14/22 18:49	
92586436024	GWC-11R					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.58	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	1.1	mg/L	0.20	02/18/22 19:03	
EPA 6010D	Sodium	0.96J	mg/L	1.0	02/18/22 19:03	
EPA 6010D	Calcium	34.8	mg/L	1.0	02/18/22 19:03	
EPA 6010D	Magnesium	18.7	mg/L	0.050	02/18/22 19:03	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/18/22 20:12	B
EPA 6020B	Barium	0.021	mg/L	0.0050	02/18/22 20:12	
EPA 6020B	Chromium	0.0042J	mg/L	0.0050	02/18/22 20:12	
SM 2540C-2015	Total Dissolved Solids	157	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	147	mg/L	5.0	02/10/22 21:03	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	147	mg/L	5.0	02/10/22 21:03	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	02/14/22 19:34	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/14/22 19:34	
92586436025	GWC-13RZ					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.46	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	1.0	mg/L	0.20	02/18/22 19:07	
EPA 6010D	Sodium	24.1	mg/L	1.0	02/18/22 19:07	
EPA 6010D	Calcium	43.9	mg/L	1.0	02/18/22 19:07	
EPA 6010D	Magnesium	18.7	mg/L	0.050	02/18/22 19:07	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/18/22 20:18	B
EPA 6020B	Barium	0.11	mg/L	0.0050	02/18/22 20:18	
EPA 6020B	Boron	0.017J	mg/L	0.040	02/18/22 20:18	
SM 2540C-2015	Total Dissolved Solids	262	mg/L	10.0	02/11/22 10:44	
SM 2320B	Alkalinity, Total as CaCO3	159	mg/L	5.0	02/10/22 21:11	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	02/10/22 21:11	
EPA 300.0 Rev 2.1 1993	Chloride	6.1	mg/L	1.0	02/14/22 19:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	02/14/22 19:49	
EPA 300.0 Rev 2.1 1993	Sulfate	63.1	mg/L	1.0	02/14/22 19:49	
92586436026	GWC-14Z					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	6.06	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	1.2	mg/L	0.20	02/18/22 19:12	
EPA 6010D	Sodium	3.3	mg/L	1.0	02/18/22 19:12	
EPA 6010D	Calcium	14.3	mg/L	1.0	02/18/22 19:12	
EPA 6010D	Magnesium	6.3	mg/L	0.050	02/18/22 19:12	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436026	GWC-14Z					
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 20:36	B
EPA 6020B	Barium	0.014	mg/L	0.0050	02/18/22 20:36	
EPA 6020B	Beryllium	0.00011J	mg/L	0.00050	02/18/22 20:36	
SM 2540C-2015	Total Dissolved Solids	92.0	mg/L	10.0	02/11/22 10:45	
SM 2320B	Alkalinity, Total as CaCO3	49.6	mg/L	5.0	02/15/22 16:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	49.6	mg/L	5.0	02/15/22 16:45	
EPA 300.0 Rev 2.1 1993	Chloride	3.6	mg/L	1.0	02/14/22 20:34	
EPA 300.0 Rev 2.1 1993	Sulfate	6.4	mg/L	1.0	02/14/22 20:34	
92586436027	GWC-15R					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.61	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.97	mg/L	0.20	02/18/22 19:26	
EPA 6010D	Sodium	1.1	mg/L	1.0	02/18/22 19:26	
EPA 6010D	Calcium	41.7	mg/L	1.0	02/18/22 19:26	
EPA 6010D	Magnesium	20.1	mg/L	0.050	02/18/22 19:26	
EPA 6020B	Arsenic	0.0026J	mg/L	0.0050	02/18/22 20:42	B
EPA 6020B	Barium	0.017	mg/L	0.0050	02/18/22 20:42	
EPA 6020B	Nickel	0.00093J	mg/L	0.0050	02/18/22 20:42	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	10.0	02/11/22 11:39	
SM 2320B	Alkalinity, Total as CaCO3	162	mg/L	5.0	02/15/22 16:49	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	02/15/22 16:49	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	02/14/22 21:19	
EPA 300.0 Rev 2.1 1993	Sulfate	8.3	mg/L	1.0	02/14/22 21:19	
92586436028	DUP-3					
EPA 6010D	Potassium	1.0	mg/L	0.20	02/18/22 19:31	
EPA 6010D	Sodium	0.95J	mg/L	1.0	02/18/22 19:31	
EPA 6010D	Calcium	33.7	mg/L	1.0	02/18/22 19:31	
EPA 6010D	Magnesium	17.8	mg/L	0.050	02/18/22 19:31	
EPA 6020B	Antimony	0.00094J	mg/L	0.0030	02/18/22 20:48	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	02/18/22 20:48	B
EPA 6020B	Barium	0.020	mg/L	0.0050	02/18/22 20:48	
EPA 6020B	Chromium	0.0041J	mg/L	0.0050	02/18/22 20:48	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	10.0	02/11/22 11:39	
SM 2320B	Alkalinity, Total as CaCO3	148	mg/L	5.0	02/15/22 16:53	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	02/15/22 16:53	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	02/14/22 21:34	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	02/14/22 21:34	
92586436029	FB-4					
EPA 6020B	Arsenic	0.0019J	mg/L	0.0050	02/18/22 20:54	B
92586436030	GWC-15Z					
	Performed by	CUSTOME			02/08/22 10:31	
		R				
	pH	7.83	Std. Units		02/08/22 10:31	
EPA 6010D	Potassium	0.96	mg/L	0.20	02/18/22 19:41	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92586436030	GWC-15Z					
EPA 6010D	Sodium	3.0	mg/L	1.0	02/18/22 19:41	
EPA 6010D	Calcium	26.1	mg/L	1.0	02/18/22 19:41	
EPA 6010D	Magnesium	14.0	mg/L	0.050	02/18/22 19:41	
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	02/18/22 21:00	B
EPA 6020B	Barium	0.012	mg/L	0.0050	02/18/22 21:00	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	02/18/22 21:00	
SM 2540C-2015	Total Dissolved Solids	121	mg/L	10.0	02/11/22 11:40	
SM 2320B	Alkalinity, Total as CaCO3	123	mg/L	5.0	02/15/22 17:01	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	02/15/22 17:01	
EPA 300.0 Rev 2.1 1993	Chloride	0.60J	mg/L	1.0	02/14/22 22:04	
EPA 300.0 Rev 2.1 1993	Sulfate	0.64J	mg/L	1.0	02/14/22 22:04	
92586436031	FB-5					
EPA 6020B	Arsenic	0.0018J	mg/L	0.0050	02/18/22 21:12	B
92586436032	GWC-13					
	Performed by	CUSTOME			02/18/22 13:25	
	pH	7.24	Std. Units		02/18/22 13:25	
EPA 6010D	Potassium	1.9	mg/L	0.20	03/01/22 02:45	
EPA 6010D	Sodium	1.5	mg/L	1.0	03/01/22 02:45	
EPA 6010D	Calcium	29.3	mg/L	1.0	03/01/22 02:45	
EPA 6010D	Magnesium	10.9	mg/L	0.050	03/01/22 02:45	
EPA 6020B	Barium	0.020	mg/L	0.0050	02/25/22 23:19	
EPA 6020B	Beryllium	0.000089J	mg/L	0.00050	02/25/22 23:19	
EPA 6020B	Boron	0.015J	mg/L	0.040	02/25/22 23:19	
EPA 6020B	Chromium	0.0053	mg/L	0.0050	02/25/22 23:19	
SM 2540C-2015	Total Dissolved Solids	119	mg/L	10.0	02/23/22 16:01	
SM 2320B	Alkalinity, Total as CaCO3	109	mg/L	5.0	02/25/22 11:45	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	109	mg/L	5.0	02/25/22 11:45	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	02/25/22 08:51	
EPA 300.0 Rev 2.1 1993	Sulfate	6.9	mg/L	1.0	02/25/22 08:51	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWA-1 **Lab ID: 92586436001** Collected: 02/01/22 14:50 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:49		
pH	7.52	Std. Units			1		02/07/22 10:49		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 15:52	7440-66-6	
Potassium	1.3	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 15:52	7440-09-7	
Sodium	6.5	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 15:52	7440-23-5	
Calcium	34.1	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 15:52	7440-70-2	
Magnesium	16.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 15:52	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0028J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 14:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:39	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 14:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 14:39	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 14:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 14:39	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 14:39	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 14:39	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 14:39	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 14:39	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 14:39	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 14:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 14:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 14:39	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:09	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	143	mg/L	10.0	10.0	1		02/07/22 17:20		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	161	mg/L	5.0	1.8	1		02/10/22 16:44		
Alkalinity,Bicarbonate (CaCO3)	161	mg/L	5.0	1.8	1		02/10/22 16:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 16:44		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWA-1** Lab ID: **92586436001** Collected: 02/01/22 14:50 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/12/22 19:54	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 19:54	16984-48-8	M1
Sulfate	0.93J	mg/L	1.0	0.50	1		02/12/22 19:54	14808-79-8	M1

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWA-2 **Lab ID: 92586436002** Collected: 02/01/22 14:44 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:50		
pH	6.30	Std. Units			1		02/07/22 10:50		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 15:56	7440-66-6	
Potassium	0.88	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 15:56	7440-09-7	
Sodium	1.9	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 15:56	7440-23-5	
Calcium	48.0	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 15:56	7440-70-2	M1
Magnesium	14.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 15:56	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 14:45	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:45	7440-38-2	
Barium	0.026	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 14:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 14:45	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 14:45	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 14:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 14:45	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 14:45	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 14:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 14:45	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 14:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 14:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 14:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 14:45	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:11	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	202	mg/L	10.0	10.0	1		02/07/22 17:21		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	80.9	mg/L	5.0	1.8	1		02/10/22 17:00		
Alkalinity,Bicarbonate (CaCO3)	80.9	mg/L	5.0	1.8	1		02/10/22 17:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:00		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-2 **Lab ID: 92586436002** Collected: 02/01/22 14:44 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/12/22 21:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:04	16984-48-8	
Sulfate	86.1	mg/L	1.0	0.50	1		02/12/22 21:04	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWA-2R **Lab ID: 92586436003** Collected: 02/01/22 15:45 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:50		
pH	6.62	Std. Units			1		02/07/22 10:50		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:16	7440-66-6	
Potassium	0.67	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:16	7440-09-7	
Sodium	1.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:16	7440-23-5	
Calcium	34.1	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:16	7440-70-2	
Magnesium	11.1	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:16	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0029J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 14:51	7440-36-0	
Arsenic	0.0053	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:51	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 14:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 14:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 14:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 14:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 14:51	7440-47-3	
Cobalt	0.00093J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 14:51	7440-48-4	
Copper	0.00096J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 14:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 14:51	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 14:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 14:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 14:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 14:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 14:51	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:19	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	114	mg/L	10.0	10.0	1		02/07/22 17:21		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	122	mg/L	5.0	1.8	1		02/10/22 17:06		
Alkalinity,Bicarbonate (CaCO3)	122	mg/L	5.0	1.8	1		02/10/22 17:06		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:06		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-2R **Lab ID: 92586436003** Collected: 02/01/22 15:45 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.77J	mg/L	1.0	0.60	1		02/12/22 21:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:18	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/12/22 21:18	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-50 **Lab ID: 92586436004** Collected: 02/01/22 15:40 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:50		
pH	5.61	Std. Units			1		02/07/22 10:50		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:20	7440-66-6	
Potassium	0.25	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:20	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:20	7440-23-5	
Calcium	1.5	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:20	7440-70-2	
Magnesium	0.31	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:20	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0015J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:15	7440-38-2	
Barium	0.0065	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:15	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:15	7440-48-4	
Copper	0.0017J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:15	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:15	7439-92-1	
Nickel	0.00080J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:15	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:15	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:15	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:22	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	21.0	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	4.7J	mg/L	5.0	1.8	1		02/10/22 19:19		
Alkalinity,Bicarbonate (CaCO3)	4.7J	mg/L	5.0	1.8	1		02/10/22 19:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 19:19		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-50 **Lab ID: 92586436004** Collected: 02/01/22 15:40 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.91J	mg/L	1.0	0.60	1		02/12/22 21:32	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:32	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 21:32	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: DUP-1		Lab ID: 92586436005		Collected: 02/01/22 00:00	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:25	7440-66-6	
Potassium	0.71	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:25	7440-09-7	
Sodium	1.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:25	7440-23-5	
Calcium	33.8	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:25	7440-70-2	
Magnesium	11.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:25	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.0033	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:21	7440-36-0	
Arsenic	0.0037J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:21	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:21	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:21	7440-47-3	
Cobalt	0.00090J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:21	7440-48-4	
Copper	0.00078J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:21	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:21	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:25	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	118	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	120	mg/L	5.0	1.8	1		02/10/22 17:15		
Alkalinity,Bicarbonate (CaCO3)	120	mg/L	5.0	1.8	1		02/10/22 17:15		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:15		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	0.77J	mg/L	1.0	0.60	1		02/12/22 21:46	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 21:46	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/12/22 21:46	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: FB-1 **Lab ID: 92586436006** Collected: 02/01/22 16:00 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:39	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:39	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:39	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:39	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:39	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:44	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:44	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:44	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:44	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:44	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:44	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:44	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:44	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:44	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:44	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:44	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:44	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:44	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:44	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:44	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:27	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/07/22 17:21		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/10/22 17:21		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 17:21		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/12/22 22:00	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:00	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/12/22 22:00	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWA-3A **Lab ID: 92586436007** Collected: 02/02/22 12:08 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:50		
pH	7.94	Std. Units			1		02/07/22 10:50		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:44	7440-66-6	
Potassium	1.2	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:44	7440-09-7	
Sodium	3.5	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:44	7440-23-5	
Calcium	22.6	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:44	7440-70-2	
Magnesium	11.3	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:44	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:50	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:50	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:50	7440-43-9	
Chromium	0.0069	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:50	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:50	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:50	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:30	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	104	mg/L	10.0	10.0	1		02/08/22 11:13		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	97.5	mg/L	5.0	1.8	1		02/10/22 20:33		
Alkalinity,Bicarbonate (CaCO3)	97.5	mg/L	5.0	1.8	1		02/10/22 20:33		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:33		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-3A **Lab ID: 92586436007** Collected: 02/02/22 12:08 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/12/22 22:14	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:14	16984-48-8	
Sulfate	3.4	mg/L	1.0	0.50	1		02/12/22 22:14	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-5 **Lab ID: 92586436008** Collected: 02/02/22 11:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:50		
pH	5.90	Std. Units			1		02/07/22 10:50		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	0.034	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:49	7440-66-6	
Potassium	1.8	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:49	7440-09-7	
Sodium	1.7	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:49	7440-23-5	
Calcium	3.7	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:49	7440-70-2	
Magnesium	0.27	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:49	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 15:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:56	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 15:56	7440-39-3	
Beryllium	0.00075	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 15:56	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 15:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 15:56	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 15:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 15:56	7440-48-4	
Copper	0.024	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 15:56	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 15:56	7439-92-1	
Nickel	0.0088	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 15:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 15:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 15:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 15:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 15:56	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:32	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	32.0	mg/L	10.0	10.0	1		02/08/22 11:13		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	11.9	mg/L	5.0	1.8	1		02/10/22 21:53		
Alkalinity,Bicarbonate (CaCO3)	11.9	mg/L	5.0	1.8	1		02/10/22 21:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:53		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-5 Lab ID: 92586436008 Collected: 02/02/22 11:34 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.66J	mg/L	1.0	0.60	1		02/12/22 22:27	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:27	16984-48-8	
Sulfate	1.0	mg/L	1.0	0.50	1		02/12/22 22:27	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-6 **Lab ID: 92586436009** Collected: 02/02/22 15:22 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:51		
pH	7.40	Std. Units			1		02/07/22 10:51		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:54	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:54	7440-09-7	
Sodium	1.0	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:54	7440-23-5	
Calcium	15.5	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:54	7440-70-2	
Magnesium	7.6	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:54	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:02	7440-38-2	
Barium	0.0064	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:02	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:02	7440-43-9	
Chromium	0.0026J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:02	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:02	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:35	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	73.0	mg/L	10.0	10.0	1		02/08/22 11:13		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	63.7	mg/L	5.0	1.8	1		02/10/22 20:40		
Alkalinity,Bicarbonate (CaCO3)	63.7	mg/L	5.0	1.8	1		02/10/22 20:40		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:40		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-6 **Lab ID: 92586436009** Collected: 02/02/22 15:22 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/12/22 22:41	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:41	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/12/22 22:41	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-6RZ **Lab ID: 92586436010** Collected: 02/02/22 14:00 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:51		
pH	6.80	Std. Units			1		02/07/22 10:51		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 16:58	7440-66-6	
Potassium	0.79	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 16:58	7440-09-7	
Sodium	1.6	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 16:58	7440-23-5	
Calcium	10.5	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 16:58	7440-70-2	
Magnesium	5.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 16:58	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:08	7440-36-0	
Arsenic	0.0012J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:08	7440-38-2	
Barium	0.0066	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:08	7440-39-3	
Beryllium	0.000070J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:08	7440-43-9	
Chromium	0.0024J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:08	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:38	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	51.0	mg/L	10.0	10.0	1		02/08/22 11:13		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	43.6	mg/L	5.0	1.8	1		02/10/22 20:44		
Alkalinity,Bicarbonate (CaCO3)	43.6	mg/L	5.0	1.8	1		02/10/22 20:44		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:44		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-6RZ** Lab ID: **92586436010** Collected: 02/02/22 14:00 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.3	mg/L	1.0	0.60	1		02/12/22 22:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/12/22 22:55	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/12/22 22:55	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-7Z **Lab ID: 92586436011** Collected: 02/02/22 12:15 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	7.54	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:03	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:03	7440-09-7	
Sodium	2.7	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:03	7440-23-5	
Calcium	26.9	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:03	7440-70-2	
Magnesium	13.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:03	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.00093J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:14	7440-36-0	
Arsenic	0.0020J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:14	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:14	7440-47-3	
Cobalt	0.00042J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:14	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:14	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	115	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	123	mg/L	5.0	1.8	1		02/10/22 20:48		
Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	1.8	1		02/10/22 20:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:48		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-7Z** Lab ID: **92586436011** Collected: 02/02/22 12:15 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.76J	mg/L	1.0	0.60	1		02/13/22 00:05	16887-00-6	M1
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 00:05	16984-48-8	M1
Sulfate	1.3	mg/L	1.0	0.50	1		02/13/22 00:05	14808-79-8	M1

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-8Z **Lab ID: 92586436012** Collected: 02/02/22 14:24 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:51		
pH	8.92	Std. Units			1		02/07/22 10:51		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:08	7440-66-6	
Potassium	1.8	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:08	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:08	7440-23-5	
Calcium	20.8	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:08	7440-70-2	
Magnesium	7.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:08	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:20	7440-36-0	
Arsenic	0.0011J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:20	7440-38-2	
Barium	0.024	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:20	7440-39-3	
Beryllium	0.000064J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:20	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:20	7440-43-9	
Chromium	0.0021J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:20	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:48	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	85.0	mg/L	10.0	10.0	1		02/08/22 11:14		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	76.7	mg/L	5.0	1.8	1		02/10/22 20:52		
Alkalinity,Bicarbonate (CaCO3)	76.7	mg/L	5.0	1.8	1		02/10/22 20:52		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:52		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-8Z** Lab ID: **92586436012** Collected: 02/02/22 14:24 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/13/22 00:47	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 00:47	16984-48-8	
Sulfate	0.72J	mg/L	1.0	0.50	1		02/13/22 00:47	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-8RR **Lab ID: 92586436013** Collected: 02/02/22 16:16 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:51		
pH	8.13	Std. Units			1		02/07/22 10:51		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:13	7440-66-6	
Potassium	1.3	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:13	7440-09-7	
Sodium	0.81J	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:13	7440-23-5	
Calcium	23.9	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:13	7440-70-2	
Magnesium	11.0	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:13	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0015J	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:26	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:26	7440-38-2	
Barium	0.013	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:26	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:26	7440-43-9	
Chromium	0.0015J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:26	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:51	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	102	mg/L	10.0	10.0	1		02/08/22 11:14		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	102	mg/L	5.0	1.8	1		02/10/22 21:12		
Alkalinity,Bicarbonate (CaCO3)	102	mg/L	5.0	1.8	1		02/10/22 21:12		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:12		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-8RR** Lab ID: **92586436013** Collected: 02/02/22 16:16 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.77J	mg/L	1.0	0.60	1		02/13/22 01:01	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:01	16984-48-8	
Sulfate	0.72J	mg/L	1.0	0.50	1		02/13/22 01:01	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-9 **Lab ID: 92586436014** Collected: 02/02/22 15:02 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:51		
pH	4.81	Std. Units			1		02/07/22 10:51		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:17	7440-66-6	
Potassium	0.92	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:17	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:17	7440-23-5	
Calcium	2.2	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:17	7440-70-2	
Magnesium	1.2	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:17	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:32	7440-36-0	
Arsenic	0.0013J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:32	7440-38-2	
Barium	0.044	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:32	7440-39-3	
Beryllium	0.00018J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:32	7440-47-3	
Cobalt	0.00043J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:32	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:32	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:53	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	21.0	mg/L	10.0	10.0	1		02/08/22 11:14		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	2.5J	mg/L	5.0	1.8	1		02/10/22 21:57		
Alkalinity,Bicarbonate (CaCO3)	2.5J	mg/L	5.0	1.8	1		02/10/22 21:57		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:57		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-9 Lab ID: 92586436014 Collected: 02/02/22 15:02 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		02/13/22 01:15	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:15	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/13/22 01:15	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-12 **Lab ID: 92586436015** Collected: 02/02/22 15:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:52		
pH	6.35	Std. Units			1		02/07/22 10:52		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	0.019J	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:22	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:22	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:22	7440-23-5	
Calcium	8.4	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:22	7440-70-2	
Magnesium	4.4	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:22	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 16:38	7440-36-0	
Arsenic	0.0027J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:38	7440-38-2	
Barium	0.023	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 16:38	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 16:38	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 16:38	7440-42-8	
Cadmium	0.0012	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 16:38	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 16:38	7440-47-3	
Cobalt	0.0034J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 16:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 16:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 16:38	7439-92-1	
Nickel	0.0025J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 16:38	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 16:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 16:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 16:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 16:38	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:56	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	54.0	mg/L	10.0	10.0	1		02/08/22 11:14		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	55.9	mg/L	5.0	1.8	1		02/10/22 21:19		
Alkalinity,Bicarbonate (CaCO3)	55.9	mg/L	5.0	1.8	1		02/10/22 21:19		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:19		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-12 **Lab ID: 92586436015** Collected: 02/02/22 15:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.79J	mg/L	1.0	0.60	1		02/13/22 01:28	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:28	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/22 01:28	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWA-50R **Lab ID: 92586436016** Collected: 02/02/22 10:12 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/07/22 10:52		
pH	5.17	Std. Units			1		02/07/22 10:52		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:36	7440-66-6	
Potassium	0.20	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:36	7440-09-7	
Sodium	0.94J	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:36	7440-23-5	
Calcium	0.93J	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:36	7440-70-2	
Magnesium	0.34	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:36	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:13	7440-38-2	
Barium	0.0090	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:13	7440-39-3	
Beryllium	0.000055J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:13	7440-48-4	
Copper	0.0033J	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:13	7439-92-1	
Nickel	0.00089J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:13	7782-49-2	
Silver	0.0012J	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 11:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	15.0	mg/L	10.0	10.0	1		02/08/22 11:15		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	2.9J	mg/L	5.0	1.8	1		02/10/22 22:00		
Alkalinity,Bicarbonate (CaCO3)	2.9J	mg/L	5.0	1.8	1		02/10/22 22:00		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 22:00		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWA-50R Lab ID: 92586436016 Collected: 02/02/22 10:12 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.70J	mg/L	1.0	0.60	1		02/13/22 01:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:42	16984-48-8	
Sulfate	0.53J	mg/L	1.0	0.50	1		02/13/22 01:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: DUP-2		Lab ID: 92586436017		Collected: 02/02/22 00:00	Received: 02/04/22 11:45	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:41	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:41	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:41	7440-23-5	
Calcium	2.3	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:41	7440-70-2	
Magnesium	1.2	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:41	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:19	7440-38-2	
Barium	0.045	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:19	7440-39-3	
Beryllium	0.00018J	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:19	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:19	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:19	7440-47-3	
Cobalt	0.00042J	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:19	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:19	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:01	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		02/08/22 11:15		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	2.6J	mg/L	5.0	1.8	1		02/10/22 22:03		
Alkalinity,Bicarbonate (CaCO3)	2.6J	mg/L	5.0	1.8	1		02/10/22 22:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 22:03		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	2.1	mg/L	1.0	0.60	1		02/13/22 01:56	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 01:56	16984-48-8	
Sulfate	2.5	mg/L	1.0	0.50	1		02/13/22 01:56	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: FB-2 **Lab ID: 92586436018** Collected: 02/02/22 16:14 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:02	02/18/22 17:46	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:02	02/18/22 17:46	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:02	02/18/22 17:46	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:02	02/18/22 17:46	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:02	02/18/22 17:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:25	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:25	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/08/22 11:15		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/10/22 21:29		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:29		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:29		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/13/22 02:38	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 02:38	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/22 02:38	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWA-4RZ **Lab ID: 92586436019** Collected: 02/03/22 10:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/07/22 10:52		
pH	7.20	Std. Units			1		02/07/22 10:52		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:15	7440-66-6	
Potassium	0.88	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:15	7440-09-7	
Sodium	3.8	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:15	7440-23-5	
Calcium	57.7	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:15	7440-70-2	M1
Magnesium	24.6	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:15	7439-95-4	M1

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:31	7440-36-0	
Arsenic	0.0034J	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:31	7440-38-2	
Barium	0.063	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:31	7440-47-3	
Cobalt	0.0059	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:31	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:49	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	243	mg/L	10.0	10.0	1		02/09/22 10:14		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	221	mg/L	5.0	1.8	1		02/15/22 17:21		
Alkalinity,Bicarbonate (CaCO3)	221	mg/L	5.0	1.8	1		02/15/22 17:21		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:21		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWA-4RZ** Lab ID: **92586436019** Collected: 02/03/22 10:55 Received: 02/04/22 11:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		02/13/22 02:52	16887-00-6	
Fluoride	0.15	mg/L	0.10	0.050	1		02/13/22 02:52	16984-48-8	
Sulfate	20.7	mg/L	1.0	0.50	1		02/13/22 02:52	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: FB-3	Lab ID: 92586436020	Collected: 02/03/22 12:00	Received: 02/04/22 11:45	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:44	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:44	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:44	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:44	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:44	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 07:59	02/18/22 17:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:43	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 07:59	02/18/22 17:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 07:59	02/18/22 17:43	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 07:59	02/18/22 17:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 07:59	02/18/22 17:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 07:59	02/18/22 17:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 07:59	02/18/22 17:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 07:59	02/18/22 17:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 07:59	02/18/22 17:43	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 07:59	02/18/22 17:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 07:59	02/18/22 17:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 07:59	02/18/22 17:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 07:59	02/18/22 17:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 07:59	02/18/22 17:43	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:51	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	12.0	mg/L	10.0	10.0	1		02/09/22 10:14		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/15/22 17:26		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:26		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:26		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/13/22 03:06	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/13/22 03:06	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/13/22 03:06	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-10 **Lab ID: 92586436021** Collected: 02/04/22 11:15 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/08/22 10:30		
pH	6.53	Std. Units			1		02/08/22 10:30		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:48	7440-66-6	
Potassium	0.51	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:48	7440-09-7	
Sodium	2.1	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:48	7440-23-5	
Calcium	21.3	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:48	7440-70-2	
Magnesium	9.0	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:48	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 19:37	7440-36-0	
Arsenic	0.0023J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 19:37	7440-38-2	B
Barium	0.022	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 19:37	7440-39-3	
Beryllium	0.00021J	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 19:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 19:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 19:37	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 19:37	7440-47-3	
Cobalt	0.0018J	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 19:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 19:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 19:37	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 19:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 19:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 19:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 19:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 19:37	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:54	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	102	mg/L	10.0	10.0	1		02/11/22 10:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	88.6	mg/L	5.0	1.8	1		02/10/22 20:43		
Alkalinity,Bicarbonate (CaCO3)	88.6	mg/L	5.0	1.8	1		02/10/22 20:43		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:43		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-10 **Lab ID: 92586436021** Collected: 02/04/22 11:15 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.9	mg/L	1.0	0.60	1		02/14/22 12:50	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 12:50	16984-48-8	
Sulfate	1.2	mg/L	1.0	0.50	1		02/14/22 12:50	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-10R **Lab ID: 92586436022** Collected: 02/04/22 12:40 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.69	Std. Units			1		02/08/22 10:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:53	7440-66-6	
Potassium	0.71	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:53	7440-09-7	
Sodium	2.0	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:53	7440-23-5	
Calcium	46.3	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:53	7440-70-2	
Magnesium	8.9	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:53	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0016J	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:00	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:00	7440-38-2	B
Barium	0.028	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:00	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:56	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	156	mg/L	10.0	10.0	1		02/11/22 10:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	144	mg/L	5.0	1.8	1		02/10/22 20:49		
Alkalinity,Bicarbonate (CaCO3)	144	mg/L	5.0	1.8	1		02/10/22 20:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:49		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-10R** Lab ID: **92586436022** Collected: 02/04/22 12:40 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.2	mg/L	1.0	0.60	1		02/14/22 13:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 13:04	16984-48-8	
Sulfate	1.1	mg/L	1.0	0.50	1		02/14/22 13:04	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-11 Lab ID: 92586436023 Collected: 02/04/22 12:33 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.20	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 18:58	7440-66-6	
Potassium	0.83	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 18:58	7440-09-7	
Sodium	1.4	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 18:58	7440-23-5	
Calcium	19.2	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 18:58	7440-70-2	
Magnesium	10.2	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 18:58	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:06	7440-36-0	
Arsenic	0.0023J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:06	7440-38-2	B
Barium	0.010	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:06	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:06	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:06	7440-43-9	
Chromium	0.0071	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 12:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	120	mg/L	10.0	10.0	1		02/11/22 10:44		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	99.4	mg/L	5.0	1.8	1		02/10/22 20:56		
Alkalinity,Bicarbonate (CaCO3)	99.4	mg/L	5.0	1.8	1		02/10/22 20:56		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 20:56		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-11 Lab ID: 92586436023 Collected: 02/04/22 12:33 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		02/14/22 18:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 18:49	16984-48-8	
Sulfate	1.7	mg/L	1.0	0.50	1		02/14/22 18:49	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: **GWC-11R** Lab ID: **92586436024** Collected: 02/04/22 10:45 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.58	Std. Units			1		02/08/22 10:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:03	7440-66-6	
Potassium	1.1	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:03	7440-09-7	
Sodium	0.96J	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:03	7440-23-5	
Calcium	34.8	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:03	7440-70-2	
Magnesium	18.7	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:03	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:12	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:12	7440-38-2	B
Barium	0.021	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:12	7440-43-9	
Chromium	0.0042J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:12	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:12	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:02	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	157	mg/L	10.0	10.0	1		02/11/22 10:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	147	mg/L	5.0	1.8	1		02/10/22 21:03		
Alkalinity,Bicarbonate (CaCO3)	147	mg/L	5.0	1.8	1		02/10/22 21:03		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:03		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-11R **Lab ID: 92586436024** Collected: 02/04/22 10:45 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		02/14/22 19:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 19:34	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/14/22 19:34	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-13RZ **Lab ID: 92586436025** Collected: 02/04/22 09:44 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.46	Std. Units			1		02/08/22 10:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:07	7440-66-6	
Potassium	1.0	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:07	7440-09-7	
Sodium	24.1	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:07	7440-23-5	
Calcium	43.9	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:07	7440-70-2	
Magnesium	18.7	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:07	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:18	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:18	7440-38-2	B
Barium	0.11	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:18	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:18	7440-41-7	
Boron	0.017J	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:18	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:18	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:18	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:18	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:18	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:18	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:18	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:04	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	262	mg/L	10.0	10.0	1		02/11/22 10:44		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	159	mg/L	5.0	1.8	1		02/10/22 21:11		
Alkalinity,Bicarbonate (CaCO3)	159	mg/L	5.0	1.8	1		02/10/22 21:11		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/10/22 21:11		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-13RZ** Lab ID: **92586436025** Collected: 02/04/22 09:44 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	6.1	mg/L	1.0	0.60	1		02/14/22 19:49	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		02/14/22 19:49	16984-48-8	
Sulfate	63.1	mg/L	1.0	0.50	1		02/14/22 19:49	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-14Z		Lab ID: 92586436026		Collected: 02/04/22 11:30		Received: 02/08/22 08:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	6.06	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:12	7440-66-6	
Potassium	1.2	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:12	7440-09-7	
Sodium	3.3	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:12	7440-23-5	
Calcium	14.3	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:12	7440-70-2	
Magnesium	6.3	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:12	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:36	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:36	7440-38-2	B
Barium	0.014	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:36	7440-39-3	
Beryllium	0.00011J	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:36	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:36	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	92.0	mg/L	10.0	10.0	1		02/11/22 10:45		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	49.6	mg/L	5.0	1.8	1		02/15/22 16:45		
Alkalinity,Bicarbonate (CaCO3)	49.6	mg/L	5.0	1.8	1		02/15/22 16:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:45		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-14Z** Lab ID: **92586436026** Collected: 02/04/22 11:30 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.6	mg/L	1.0	0.60	1		02/14/22 20:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 20:34	16984-48-8	
Sulfate	6.4	mg/L	1.0	0.50	1		02/14/22 20:34	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-15R** Lab ID: **92586436027** Collected: 02/04/22 13:14 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.61	Std. Units			1		02/08/22 10:31		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:26	7440-66-6	
Potassium	0.97	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:26	7440-09-7	
Sodium	1.1	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:26	7440-23-5	
Calcium	41.7	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:26	7440-70-2	
Magnesium	20.1	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:26	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:42	7440-36-0	
Arsenic	0.0026J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:42	7440-38-2	B
Barium	0.017	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:42	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:42	7439-92-1	
Nickel	0.00093J	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:42	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:15	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	162	mg/L	10.0	10.0	1		02/11/22 11:39		
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	162	mg/L	5.0	1.8	1		02/15/22 16:49		
Alkalinity,Bicarbonate (CaCO3)	162	mg/L	5.0	1.8	1		02/15/22 16:49		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:49		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-15R **Lab ID: 92586436027** Collected: 02/04/22 13:14 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		02/14/22 21:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 21:19	16984-48-8	
Sulfate	8.3	mg/L	1.0	0.50	1		02/14/22 21:19	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: DUP-3		Lab ID: 92586436028		Collected: 02/04/22 00:00	Received: 02/08/22 08:10	Matrix: Water			
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:31	7440-66-6	
Potassium	1.0	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:31	7440-09-7	
Sodium	0.95J	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:31	7440-23-5	
Calcium	33.7	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:31	7440-70-2	
Magnesium	17.8	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:31	7439-95-4	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	0.00094J	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:48	7440-36-0	
Arsenic	0.0035J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:48	7440-38-2	B
Barium	0.020	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:48	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:48	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:48	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:48	7440-43-9	
Chromium	0.0041J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:48	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:48	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:48	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:48	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:48	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:48	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:48	7440-62-2	
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA							
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:17	7439-97-6	
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	162	mg/L	10.0	10.0	1		02/11/22 11:39		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis							
Alkalinity, Total as CaCO3	148	mg/L	5.0	1.8	1		02/15/22 16:53		
Alkalinity,Bicarbonate (CaCO3)	148	mg/L	5.0	1.8	1		02/15/22 16:53		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:53		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	1.3	mg/L	1.0	0.60	1		02/14/22 21:34	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 21:34	16984-48-8	
Sulfate	1.5	mg/L	1.0	0.50	1		02/14/22 21:34	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: FB-4 **Lab ID: 92586436029** Collected: 02/04/22 13:15 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:36	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:36	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:36	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:36	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:36	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 20:54	7440-36-0	
Arsenic	0.0019J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:54	7440-38-2	B
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 20:54	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 20:54	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 20:54	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 20:54	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 20:54	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 20:54	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 20:54	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 20:54	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 20:54	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 20:54	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 20:54	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 20:54	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 20:54	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:20	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/11/22 11:40		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/15/22 16:58		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:58		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 16:58		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/14/22 21:49	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 21:49	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/14/22 21:49	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: **GWC-15Z** Lab ID: **92586436030** Collected: 02/07/22 10:13 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/08/22 10:31		
pH	7.83	Std. Units			1		02/08/22 10:31		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:41	7440-66-6	
Potassium	0.96	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:41	7440-09-7	
Sodium	3.0	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:41	7440-23-5	
Calcium	26.1	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:41	7440-70-2	
Magnesium	14.0	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:41	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 21:00	7440-36-0	
Arsenic	0.0025J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:00	7440-38-2	B
Barium	0.012	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 21:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 21:00	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 21:00	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 21:00	7440-43-9	
Chromium	0.0011J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 21:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 21:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 21:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 21:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 21:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 21:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 21:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 21:00	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/15/22 15:15	02/16/22 13:23	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	121	mg/L	10.0	10.0	1		02/11/22 11:40		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	123	mg/L	5.0	1.8	1		02/15/22 17:01		
Alkalinity,Bicarbonate (CaCO3)	123	mg/L	5.0	1.8	1		02/15/22 17:01		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:01		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: GWC-15Z **Lab ID: 92586436030** Collected: 02/07/22 10:13 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.60J	mg/L	1.0	0.60	1		02/14/22 22:04	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 22:04	16984-48-8	
Sulfate	0.64J	mg/L	1.0	0.50	1		02/14/22 22:04	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: FB-5 **Lab ID: 92586436031** Collected: 02/07/22 11:30 Received: 02/08/22 08:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/18/22 08:05	02/18/22 19:46	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/18/22 08:05	02/18/22 19:46	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/18/22 08:05	02/18/22 19:46	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/18/22 08:05	02/18/22 19:46	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/18/22 08:05	02/18/22 19:46	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/18/22 08:01	02/18/22 21:12	7440-36-0	
Arsenic	0.0018J	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:12	7440-38-2	B
Barium	ND	mg/L	0.0050	0.00067	1	02/18/22 08:01	02/18/22 21:12	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/18/22 08:01	02/18/22 21:12	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/18/22 08:01	02/18/22 21:12	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/18/22 08:01	02/18/22 21:12	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/18/22 08:01	02/18/22 21:12	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/18/22 08:01	02/18/22 21:12	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/18/22 08:01	02/18/22 21:12	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/18/22 08:01	02/18/22 21:12	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/18/22 08:01	02/18/22 21:12	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/18/22 08:01	02/18/22 21:12	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/18/22 08:01	02/18/22 21:12	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/18/22 08:01	02/18/22 21:12	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/18/22 08:01	02/18/22 21:12	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/16/22 08:30	02/16/22 13:31	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/11/22 11:40		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/15/22 17:05		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:05		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/15/22 17:05		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/14/22 22:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/14/22 22:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/14/22 22:19	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: GWC-13 **Lab ID: 92586436032** Collected: 02/17/22 13:06 Received: 02/18/22 09:52 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		02/18/22 13:25		
pH	7.24	Std. Units			1		02/18/22 13:25		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	02/25/22 10:43	03/01/22 02:45	7440-66-6	
Potassium	1.9	mg/L	0.20	0.15	1	02/25/22 10:43	03/01/22 02:45	7440-09-7	
Sodium	1.5	mg/L	1.0	0.58	1	02/25/22 10:43	03/01/22 02:45	7440-23-5	
Calcium	29.3	mg/L	1.0	0.12	1	02/25/22 10:43	03/01/22 02:45	7440-70-2	
Magnesium	10.9	mg/L	0.050	0.012	1	02/25/22 10:43	03/01/22 02:45	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	02/25/22 10:38	02/25/22 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:19	7440-38-2	
Barium	0.020	mg/L	0.0050	0.00067	1	02/25/22 10:38	02/25/22 23:19	7440-39-3	
Beryllium	0.000089J	mg/L	0.00050	0.000054	1	02/25/22 10:38	02/25/22 23:19	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	02/25/22 10:38	02/25/22 23:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/25/22 10:38	02/25/22 23:19	7440-43-9	
Chromium	0.0053	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:19	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/25/22 10:38	02/25/22 23:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/25/22 10:38	02/25/22 23:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/25/22 10:38	02/25/22 23:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/25/22 10:38	02/25/22 23:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/25/22 10:38	02/25/22 23:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/25/22 10:38	02/25/22 23:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/25/22 10:38	02/25/22 23:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/25/22 10:38	02/25/22 23:19	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	02/28/22 10:30	02/28/22 15:09	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	119	mg/L	10.0	10.0	1		02/23/22 16:01		
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2320B Alkalinity

Analytical Method: SM 2320B
 Pace Analytical Services - Minneapolis

Alkalinity, Total as CaCO3	109	mg/L	5.0	1.8	1		02/25/22 11:45		
Alkalinity,Bicarbonate (CaCO3)	109	mg/L	5.0	1.8	1		02/25/22 11:45		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/25/22 11:45		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Sample: **GWC-13** Lab ID: **92586436032** Collected: 02/17/22 13:06 Received: 02/18/22 09:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		02/25/22 08:51	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/22 08:51	16984-48-8	
Sulfate	6.9	mg/L	1.0	0.50	1		02/25/22 08:51	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Sample: FB-6 **Lab ID: 92586436033** Collected: 02/17/22 13:40 Received: 02/18/22 09:52 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	02/25/22 10:43	03/01/22 02:55	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	02/25/22 10:43	03/01/22 02:55	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	02/25/22 10:43	03/01/22 02:55	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	02/25/22 10:43	03/01/22 02:55	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	02/25/22 10:43	03/01/22 02:55	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	02/25/22 10:38	02/25/22 23:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:31	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	02/25/22 10:38	02/25/22 23:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	02/25/22 10:38	02/25/22 23:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	02/25/22 10:38	02/25/22 23:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	02/25/22 10:38	02/25/22 23:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	02/25/22 10:38	02/25/22 23:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	02/25/22 10:38	02/25/22 23:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	02/25/22 10:38	02/25/22 23:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	02/25/22 10:38	02/25/22 23:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	02/25/22 10:38	02/25/22 23:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	02/25/22 10:38	02/25/22 23:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	02/25/22 10:38	02/25/22 23:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	02/25/22 10:38	02/25/22 23:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	02/25/22 10:38	02/25/22 23:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	02/28/22 10:30	02/28/22 15:12	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		02/23/22 16:01		
2320B Alkalinity									
Analytical Method: SM 2320B									
Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		02/25/22 11:48		
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/25/22 11:48		
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		02/25/22 11:48		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		02/25/22 09:07	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		02/25/22 09:07	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		02/25/22 09:07	14808-79-8	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 679147 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

METHOD BLANK: 3553757 Matrix: Water
 Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/18/22 15:42	
Magnesium	mg/L	ND	0.050	0.012	02/18/22 15:42	
Potassium	mg/L	ND	0.20	0.15	02/18/22 15:42	
Sodium	mg/L	ND	1.0	0.58	02/18/22 15:42	
Zinc	mg/L	ND	0.020	0.0085	02/18/22 15:42	

LABORATORY CONTROL SAMPLE: 3553758

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	108	80-120	
Magnesium	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	1.1	106	80-120	
Sodium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3553759 3553760

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result	% Rec	% Rec						
Calcium	mg/L	48.0	1	1	49.4	48.9	137	89	75-125	1	20	M1	
Magnesium	mg/L	14.0	1	1	15.2	14.8	124	80	75-125	3	20		
Potassium	mg/L	0.88	1	1	2.0	2.0	109	113	75-125	2	20		
Sodium	mg/L	1.9	1	1	3.0	3.0	112	112	75-125	0	20		
Zinc	mg/L	ND	1	1	1.1	1.1	107	109	75-125	2	20		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 679167 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3553950 Matrix: Water
 Associated Lab Samples: 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	02/18/22 18:05	
Magnesium	mg/L	ND	0.050	0.012	02/18/22 18:05	
Potassium	mg/L	ND	0.20	0.15	02/18/22 18:05	
Sodium	mg/L	ND	1.0	0.58	02/18/22 18:05	
Zinc	mg/L	ND	0.020	0.0085	02/18/22 18:05	

LABORATORY CONTROL SAMPLE: 3553951

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	110	80-120	
Magnesium	mg/L	1	1.1	108	80-120	
Potassium	mg/L	1	1.1	111	80-120	
Sodium	mg/L	1	1.1	111	80-120	
Zinc	mg/L	1	1.1	107	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3553952 3553953

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92586436019 Result	Spike Conc.	Spike Conc.	MS Result						
Calcium	mg/L	57.7	1	1	59.5	60.5	179	272	75-125	2	20 M1
Magnesium	mg/L	24.6	1	1	25.7	26.4	117	185	75-125	3	20 M1
Potassium	mg/L	0.88	1	1	2.0	2.0	114	112	75-125	1	20
Sodium	mg/L	3.8	1	1	5.0	5.1	115	122	75-125	2	20
Zinc	mg/L	ND	1	1	1.1	1.1	108	107	75-125	1	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 680899 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3562225 Matrix: Water
 Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	03/01/22 00:25	
Magnesium	mg/L	ND	0.050	0.012	03/01/22 00:25	
Potassium	mg/L	ND	0.20	0.15	03/02/22 14:55	
Sodium	mg/L	ND	1.0	0.58	03/01/22 00:25	
Zinc	mg/L	ND	0.020	0.0085	03/01/22 00:25	

LABORATORY CONTROL SAMPLE: 3562226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Potassium	mg/L	1	1.0	100	80-120	
Sodium	mg/L	1	0.99J	99	80-120	
Zinc	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562227 3562228

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92587322013	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	167	1	1	164	165	-228	-156	75-125	0	20 M1
Magnesium	mg/L	31.8	1	1	31.7	31.5	-10	-34	75-125	1	20 M1
Potassium	mg/L	1.5	1	1	2.5	2.3	97	78	75-125	8	20
Sodium	mg/L	56.6	1	1	55.8	55.7	-88	-93	75-125	0	20 M1
Zinc	mg/L	ND	1	1	1.0	1.1	105	105	75-125	0	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 679148 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

METHOD BLANK: 3553776 Matrix: Water

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/18/22 14:27	
Arsenic	mg/L	ND	0.0050	0.0011	02/18/22 14:27	
Barium	mg/L	ND	0.0050	0.00067	02/18/22 14:27	
Beryllium	mg/L	ND	0.00050	0.000054	02/18/22 14:27	
Boron	mg/L	ND	0.040	0.0086	02/18/22 14:27	
Cadmium	mg/L	ND	0.00050	0.00011	02/18/22 14:27	
Chromium	mg/L	ND	0.0050	0.0011	02/18/22 14:27	
Cobalt	mg/L	ND	0.0050	0.00039	02/18/22 14:27	
Copper	mg/L	ND	0.0050	0.00050	02/18/22 14:27	
Lead	mg/L	ND	0.0010	0.00089	02/18/22 14:27	
Nickel	mg/L	ND	0.0050	0.00071	02/18/22 14:27	
Selenium	mg/L	ND	0.0050	0.0014	02/18/22 14:27	
Silver	mg/L	ND	0.0050	0.00044	02/18/22 14:27	
Thallium	mg/L	ND	0.0010	0.00018	02/18/22 14:27	
Vanadium	mg/L	ND	0.010	0.0019	02/18/22 14:27	

LABORATORY CONTROL SAMPLE: 3553777

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	110	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.11	105	80-120	
Boron	mg/L	1	1.1	107	80-120	
Cadmium	mg/L	0.1	0.10	105	80-120	
Chromium	mg/L	0.1	0.11	109	80-120	
Cobalt	mg/L	0.1	0.11	106	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.10	103	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.11	106	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Parameter	Units	92586436003		3553778		3553779		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	0.0029J	0.1	0.1	0.11	0.11	106	110	75-125	4	20			
Arsenic	mg/L	0.0053	0.1	0.1	0.10	0.10	99	100	75-125	0	20			
Barium	mg/L	0.024	0.1	0.1	0.13	0.13	103	108	75-125	4	20			
Beryllium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20			
Boron	mg/L	ND	1	1	1.0	1.1	104	107	75-125	3	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	3	20			
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	104	101	75-125	3	20			
Cobalt	mg/L	0.00093J	0.1	0.1	0.099	0.097	98	96	75-125	2	20			
Copper	mg/L	0.00096J	0.1	0.1	0.096	0.095	95	94	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.098	0.097	97	97	75-125	0	20			
Selenium	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20			
Silver	mg/L	ND	0.1	0.1	0.099	0.10	99	102	75-125	3	20			
Thallium	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	104	103	75-125	1	20			

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 679169 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3553959 Matrix: Water
 Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/18/22 19:25	
Arsenic	mg/L	0.0019J	0.0050	0.0011	02/18/22 19:25	
Barium	mg/L	ND	0.0050	0.00067	02/18/22 19:25	
Beryllium	mg/L	ND	0.00050	0.000054	02/18/22 19:25	
Boron	mg/L	ND	0.040	0.0086	02/18/22 19:25	
Cadmium	mg/L	ND	0.00050	0.00011	02/18/22 19:25	
Chromium	mg/L	ND	0.0050	0.0011	02/18/22 19:25	
Cobalt	mg/L	ND	0.0050	0.00039	02/18/22 19:25	
Copper	mg/L	ND	0.0050	0.00050	02/18/22 19:25	
Lead	mg/L	ND	0.0010	0.00089	02/18/22 19:25	
Nickel	mg/L	ND	0.0050	0.00071	02/18/22 19:25	
Selenium	mg/L	ND	0.0050	0.0014	02/18/22 19:25	
Silver	mg/L	ND	0.0050	0.00044	02/18/22 19:25	
Thallium	mg/L	ND	0.0010	0.00018	02/18/22 19:25	
Vanadium	mg/L	ND	0.010	0.0019	02/18/22 19:25	

LABORATORY CONTROL SAMPLE: 3553960

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.11	107	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.11	111	80-120	
Boron	mg/L	1	1.0	105	80-120	
Cadmium	mg/L	0.1	0.11	106	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	104	80-120	
Copper	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.10	104	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.10	102	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.10	102	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3553961		3553962							
Parameter	Units	92586436021	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual
		Result	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD	
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	110	106	75-125	4	20
Arsenic	mg/L	0.0023J	0.1	0.1	0.11	0.10	104	101	75-125	3	20
Barium	mg/L	0.022	0.1	0.1	0.12	0.12	99	95	75-125	3	20
Beryllium	mg/L	0.00021J	0.1	0.1	0.11	0.10	108	104	75-125	4	20
Boron	mg/L	ND	1	1	1.0	0.99	104	98	75-125	6	20
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20
Chromium	mg/L	ND	0.1	0.1	0.10	0.098	102	98	75-125	4	20
Cobalt	mg/L	0.0018J	0.1	0.1	0.10	0.10	102	98	75-125	4	20
Copper	mg/L	ND	0.1	0.1	0.099	0.095	99	94	75-125	4	20
Lead	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20
Nickel	mg/L	0.0014J	0.1	0.1	0.10	0.097	101	95	75-125	5	20
Selenium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20
Silver	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20
Thallium	mg/L	ND	0.1	0.1	0.10	0.096	100	96	75-125	4	20
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 680871 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3562117 Matrix: Water

Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	02/25/22 20:37	
Arsenic	mg/L	ND	0.0050	0.0011	02/25/22 20:37	
Barium	mg/L	ND	0.0050	0.00067	02/25/22 20:37	
Beryllium	mg/L	ND	0.00050	0.000054	02/25/22 20:37	
Boron	mg/L	ND	0.040	0.0086	02/25/22 20:37	
Cadmium	mg/L	ND	0.00050	0.00011	02/25/22 20:37	
Chromium	mg/L	ND	0.0050	0.0011	02/25/22 20:37	
Cobalt	mg/L	ND	0.0050	0.00039	02/25/22 20:37	
Copper	mg/L	ND	0.0050	0.00050	02/25/22 20:37	
Lead	mg/L	ND	0.0010	0.00089	02/25/22 20:37	
Nickel	mg/L	ND	0.0050	0.00071	02/25/22 20:37	
Selenium	mg/L	ND	0.0050	0.0014	02/25/22 20:37	
Silver	mg/L	ND	0.0050	0.00044	02/25/22 20:37	
Thallium	mg/L	ND	0.0010	0.00018	02/25/22 20:37	
Vanadium	mg/L	ND	0.010	0.0019	02/25/22 20:37	

LABORATORY CONTROL SAMPLE: 3562118

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	100	80-120	
Beryllium	mg/L	0.1	0.11	109	80-120	
Boron	mg/L	1	1.1	112	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.095	95	80-120	
Nickel	mg/L	0.1	0.097	97	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3562119 3562120												
Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
		92587322014	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20	
Arsenic	mg/L	0.0046J	0.1	0.1	0.11	0.12	106	110	75-125	4	20	
Barium	mg/L	0.046	0.1	0.1	0.15	0.15	105	109	75-125	3	20	
Beryllium	mg/L	0.00011J	0.1	0.1	0.10	0.10	100	104	75-125	4	20	
Boron	mg/L	10.5	1	1	11.0	11.5	50	104	75-125	5	20	M1
Cadmium	mg/L	0.00024J	0.1	0.1	0.094	0.099	94	99	75-125	5	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.11	99	106	75-125	7	20	
Cobalt	mg/L	0.031	0.1	0.1	0.12	0.13	93	99	75-125	4	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.093	95	93	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.085	0.087	85	87	75-125	3	20	
Nickel	mg/L	0.011	0.1	0.1	0.10	0.11	93	97	75-125	4	20	
Selenium	mg/L	ND	0.1	0.1	0.11	0.11	104	108	75-125	4	20	
Silver	mg/L	ND	0.1	0.1	0.087	0.088	87	88	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.087	0.090	87	90	75-125	3	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.11	103	109	75-125	6	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	678396	Analysis Method:	EPA 7470A
QC Batch Method:	EPA 7470A	Analysis Description:	7470 Mercury
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017

METHOD BLANK: 3550157 Matrix: Water

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/16/22 10:48	

LABORATORY CONTROL SAMPLE: 3550158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550159 3550160

Parameter	Units	3550159		3550160		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0021	0.0023	85	92	75-125	8	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 678399 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436018, 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030

METHOD BLANK: 3550166 Matrix: Water
 Associated Lab Samples: 92586436018, 92586436019, 92586436020, 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/16/22 12:04	

LABORATORY CONTROL SAMPLE: 3550167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0023	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550168 3550169

Parameter	Units	92586342013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0021	0.0022	82	87	75-125	6	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 678404	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436031

METHOD BLANK: 3550196 Matrix: Water
 Associated Lab Samples: 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	02/16/22 13:25	

LABORATORY CONTROL SAMPLE: 3550197

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0021	86	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3550198 3550199

Parameter	Units	3550198		3550199		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92586436031 ND	0.0025	0.0025	0.0020	0.0023	78	93	75-125	18	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	676439	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

METHOD BLANK: 3540519 Matrix: Water
 Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/07/22 17:19	

LABORATORY CONTROL SAMPLE: 3540520

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3540521

Parameter	Units	92585555019 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	180	181	1	25	

SAMPLE DUPLICATE: 3540522

Parameter	Units	92585920011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	94.0	2	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 676566

Analysis Method: SM 2540C-2015

QC Batch Method: SM 2540C-2015

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

METHOD BLANK: 3541419

Matrix: Water

Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/08/22 11:11	

LABORATORY CONTROL SAMPLE: 3541420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	80-120	

SAMPLE DUPLICATE: 3541421

Parameter	Units	92585920025 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	65.0	46.0	34	25	D6

SAMPLE DUPLICATE: 3541422

Parameter	Units	92586436013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	103	1	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 676886	Analysis Method: SM 2540C-2015
QC Batch Method: SM 2540C-2015	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436019, 92586436020

METHOD BLANK: 3542886 Matrix: Water

Associated Lab Samples: 92586436019, 92586436020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/09/22 10:12	

LABORATORY CONTROL SAMPLE: 3542887

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	374	94	80-120	

SAMPLE DUPLICATE: 3542888

Parameter	Units	92585920029 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	538	574	6	25	

SAMPLE DUPLICATE: 3542889

Parameter	Units	92585979010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1380	1350	2	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	677214	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026

METHOD BLANK: 3544553 Matrix: Water

Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025, 92586436026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/11/22 10:42	

LABORATORY CONTROL SAMPLE: 3544554

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	383	96	80-120	

SAMPLE DUPLICATE: 3544555

Parameter	Units	92586430002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3544556

Parameter	Units	92586613010 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	225	217	4	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	677216	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

METHOD BLANK: 3544560 Matrix: Water
Associated Lab Samples: 92586436027, 92586436028, 92586436029, 92586436030, 92586436031

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/11/22 11:39	

LABORATORY CONTROL SAMPLE: 3544561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	381	95	80-120	

SAMPLE DUPLICATE: 3544562

Parameter	Units	92586436027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	162	168	4	25	

SAMPLE DUPLICATE: 3544563

Parameter	Units	92586613016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	161	155	4	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 680301 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3559080 Matrix: Water
 Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	02/23/22 15:59	

LABORATORY CONTROL SAMPLE: 3559081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	354	88	80-120	

SAMPLE DUPLICATE: 3559082

Parameter	Units	92587881053 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

SAMPLE DUPLICATE: 3559083

Parameter	Units	92589518001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2270	2130	6	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 798119 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

METHOD BLANK: 4240829 Matrix: Water
 Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/10/22 14:33	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 14:33	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 14:33	

LABORATORY CONTROL SAMPLE & LCSD: 4240830 4240831

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	40.3	39.9	101	100	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240832 4240833

Parameter	Units	92585727002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	2.8J	40	40	43.8	43.8	102	103	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4240834 4240835

Parameter	Units	10596422001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	29.9	40	40	69.2	69.5	98	99	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 798366 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

METHOD BLANK: 4241914 Matrix: Water
 Associated Lab Samples: 92586436007, 92586436008, 92586436009, 92586436010, 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/10/22 19:52	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 19:52	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 19:52	

LABORATORY CONTROL SAMPLE & LCSD: 4241915 4241916

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	41.9	42.2	105	105	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4241917 4241918

Parameter	Units	10597082001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	23.0	40	40	62.8	63.0	100	100	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4241919 4241920

Parameter	Units	92586436012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	76.7	40	40	116	116	98	99	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 798367 Analysis Method: SM 2320B
 QC Batch Method: SM 2320B Analysis Description: 2320B Alkalinity
 Laboratory: Pace Analytical Services - Minneapolis
 Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025

METHOD BLANK: 4241924 Matrix: Water
 Associated Lab Samples: 92586436021, 92586436022, 92586436023, 92586436024, 92586436025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/10/22 19:24	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 19:24	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/10/22 19:24	

LABORATORY CONTROL SAMPLE & LCSD: 4241925 4241926

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	42.6	42.3	106	106	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4241927 4241928

Parameter	Units	10596573001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	133	40	40	173	172	100	100	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	798903	Analysis Method:	SM 2320B
QC Batch Method:	SM 2320B	Analysis Description:	2320B Alkalinity
		Laboratory:	Pace Analytical Services - Minneapolis
Associated Lab Samples:	92586436019, 92586436020, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031		

METHOD BLANK:	4244463	Matrix:	Water
Associated Lab Samples:	92586436019, 92586436020, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/15/22 15:58	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/15/22 15:58	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/15/22 15:58	

LABORATORY CONTROL SAMPLE & LCSD:		4244464	4244465							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	40.1	40.6	100	102	90-110	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		4244466	4244467									
Parameter	Units	10597383001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	22.2	40	40	62.0	62.0	100	100	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		4244468	4244469									
Parameter	Units	10597488002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	29.6	40	40	69.4	69.6	99	100	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 800675	Analysis Method: SM 2320B
QC Batch Method: SM 2320B	Analysis Description: 2320B Alkalinity
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 4252517 Matrix: Water

Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	02/25/22 11:20	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	02/25/22 11:20	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	02/25/22 11:20	

Parameter	Units	4252518		4252519		% Rec Limits	RPD	Max RPD	Qualifiers
		Spike Conc.	LCS Result	LCS Result	LCSD % Rec				
Alkalinity, Total as CaCO3	mg/L	40	42.1	42.4	105	106	90-110	1	20

Parameter	Units	4252520		4252521		% Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10598316001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	31.9	40	40	71.6	72.2	99	101	80-120	1	20

Parameter	Units	4252522		4252523		% Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		10598521001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Alkalinity, Total as CaCO3	mg/L	288	40	40	325	328	93	98	80-120	1	20

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

QC Batch: 677743 Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
Laboratory: Pace Analytical Services - Asheville
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010

METHOD BLANK: 3547238 Matrix: Water
Associated Lab Samples: 92586436001, 92586436002, 92586436003, 92586436004, 92586436005, 92586436006, 92586436007, 92586436008, 92586436009, 92586436010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/22 16:11	
Fluoride	mg/L	ND	0.10	0.050	02/12/22 16:11	
Sulfate	mg/L	ND	1.0	0.50	02/12/22 16:11	

LABORATORY CONTROL SAMPLE: 3547239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.1	102	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	50.2	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547240 3547241

Parameter	Units	9258555014		3547241		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	4.3	50	50	60.1	60.2	112	112	90-110	0	10 M1
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10 M1
Sulfate	mg/L	6.1	50	50	62.6	62.4	113	113	90-110	0	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547242 3547243

Parameter	Units	92586436001		3547243		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Chloride	mg/L	1.2	50	50	57.3	57.5	112	113	90-110	0	10 M1
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	110	111	90-110	1	10 M1
Sulfate	mg/L	0.93J	50	50	57.2	57.7	113	114	90-110	1	10 M1

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

QC Batch: 677747 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

METHOD BLANK: 3547262 Matrix: Water
 Associated Lab Samples: 92586436011, 92586436012, 92586436013, 92586436014, 92586436015, 92586436016, 92586436017, 92586436018, 92586436019, 92586436020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/12/22 23:09	
Fluoride	mg/L	ND	0.10	0.050	02/12/22 23:09	
Sulfate	mg/L	ND	1.0	0.50	02/12/22 23:09	

LABORATORY CONTROL SAMPLE: 3547263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.2	104	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.6	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547264 3547265

Parameter	Units	92586436011		3547265		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	0.76J	50	50	57.0	57.0	112	113	90-110	0	10 M1
Fluoride	mg/L	ND	2.5	2.5	2.8	2.8	111	111	90-110	0	10 M1
Sulfate	mg/L	1.3	50	50	57.8	58.2	113	114	90-110	1	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3547266 3547267

Parameter	Units	92585200001		3547267		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	43.4	50	50	98.7	98.5	111	110	90-110	0	10 M1
Fluoride	mg/L	0.058J	2.5	2.5	2.9	2.9	112	112	90-110	0	10 M1
Sulfate	mg/L	14.5	50	50	71.1	70.8	113	113	90-110	0	10 M1

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	678003	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92586436021, 92586436022

METHOD BLANK: 3548358 Matrix: Water

Associated Lab Samples: 92586436021, 92586436022

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/22 05:52	
Fluoride	mg/L	ND	0.10	0.050	02/14/22 05:52	
Sulfate	mg/L	ND	1.0	0.50	02/14/22 05:52	

LABORATORY CONTROL SAMPLE: 3548359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.5	105	90-110	
Fluoride	mg/L	2.5	2.6	102	90-110	
Sulfate	mg/L	50	52.0	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548360 3548361

Parameter	Units	92587763018		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	ND	50	50	52.4	52.5	105	105	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	105	90-110	0	10		
Sulfate	mg/L	ND	50	50	52.3	52.4	105	105	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548362 3548363

Parameter	Units	92585375006		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	9.3	50	50	61.7	62.1	105	105	90-110	1	10		
Fluoride	mg/L	0.13	2.5	2.5	2.7	2.7	103	104	90-110	1	10		
Sulfate	mg/L	70.0	50	50	103	104	67	68	90-110	1	10 M1		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch:	678004	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville
Associated Lab Samples:	92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031		

METHOD BLANK:	3548365	Matrix:	Water
Associated Lab Samples:	92586436023, 92586436024, 92586436025, 92586436026, 92586436027, 92586436028, 92586436029, 92586436030, 92586436031		

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/14/22 18:19	
Fluoride	mg/L	ND	0.10	0.050	02/14/22 18:19	
Sulfate	mg/L	ND	1.0	0.50	02/14/22 18:19	

LABORATORY CONTROL SAMPLE: 3548366						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.5	98	90-110	
Sulfate	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548367												3548368	
Parameter	Units	92586436023 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	1.1	50	50	51.6	51.8	101	101	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	103	104	90-110	1	10		
Sulfate	mg/L	1.7	50	50	52.1	52.3	101	101	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3548369												3548370	
Parameter	Units	92586807001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
Chloride	mg/L	664	50	50	700	708	72	88	90-110	1	10	M1	
Fluoride	mg/L	0.69	2.5	2.5	3.4	3.4	106	110	90-110	2	10		
Sulfate	mg/L	87.3	50	50	132	134	89	93	90-110	1	10	M1	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

QC Batch: 680699	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92586436032, 92586436033

METHOD BLANK: 3561036 Matrix: Water

Associated Lab Samples: 92586436032, 92586436033

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	02/25/22 01:54	
Fluoride	mg/L	ND	0.10	0.050	02/25/22 01:54	
Sulfate	mg/L	ND	1.0	0.50	02/25/22 01:54	

LABORATORY CONTROL SAMPLE: 3561037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.9	96	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561040 3561041

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92588973012 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	19.4	50	50	70.5	71.6	102	104	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.7	2.8	107	110	90-110	3	10		
Sulfate	mg/L	94.0	50	50	138	137	88	87	90-110	0	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3561344 3561345

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92588973003 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	1.6	50	50	52.8	53.5	102	104	90-110	1	10		
Fluoride	mg/L	0.052J	2.5	2.5	2.7	2.9	105	115	90-110	8	10	M1	
Sulfate	mg/L	53.5	50	50	98.8	99.1	90	91	90-110	0	10		

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QUALIFIERS

Project: BOWEN LF CELLS 1&2
Pace Project No.: 92586436

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2
 Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436001	GWA-1				
92586436002	GWA-2				
92586436003	GWA-2R				
92586436004	GWA-50				
92586436007	GWA-3A				
92586436008	GWC-5				
92586436009	GWC-6				
92586436010	GWC-6RZ				
92586436011	GWC-7Z				
92586436012	GWC-8Z				
92586436013	GWC-8RR				
92586436014	GWC-9				
92586436015	GWC-12				
92586436016	GWA-50R				
92586436019	GWA-4RZ				
92586436021	GWC-10				
92586436022	GWC-10R				
92586436023	GWC-11				
92586436024	GWC-11R				
92586436025	GWC-13RZ				
92586436026	GWC-14Z				
92586436027	GWC-15R				
92586436030	GWC-15Z				
92586436032	GWC-13				
92586436001	GWA-1	EPA 3010A	679147	EPA 6010D	679327
92586436002	GWA-2	EPA 3010A	679147	EPA 6010D	679327
92586436003	GWA-2R	EPA 3010A	679147	EPA 6010D	679327
92586436004	GWA-50	EPA 3010A	679147	EPA 6010D	679327
92586436005	DUP-1	EPA 3010A	679147	EPA 6010D	679327
92586436006	FB-1	EPA 3010A	679147	EPA 6010D	679327
92586436007	GWA-3A	EPA 3010A	679147	EPA 6010D	679327
92586436008	GWC-5	EPA 3010A	679147	EPA 6010D	679327
92586436009	GWC-6	EPA 3010A	679147	EPA 6010D	679327
92586436010	GWC-6RZ	EPA 3010A	679147	EPA 6010D	679327
92586436011	GWC-7Z	EPA 3010A	679147	EPA 6010D	679327
92586436012	GWC-8Z	EPA 3010A	679147	EPA 6010D	679327
92586436013	GWC-8RR	EPA 3010A	679147	EPA 6010D	679327
92586436014	GWC-9	EPA 3010A	679147	EPA 6010D	679327
92586436015	GWC-12	EPA 3010A	679147	EPA 6010D	679327
92586436016	GWA-50R	EPA 3010A	679147	EPA 6010D	679327
92586436017	DUP-2	EPA 3010A	679147	EPA 6010D	679327
92586436018	FB-2	EPA 3010A	679147	EPA 6010D	679327
92586436019	GWA-4RZ	EPA 3010A	679167	EPA 6010D	679340
92586436020	FB-3	EPA 3010A	679167	EPA 6010D	679340
92586436021	GWC-10	EPA 3010A	679167	EPA 6010D	679340
92586436022	GWC-10R	EPA 3010A	679167	EPA 6010D	679340
92586436023	GWC-11	EPA 3010A	679167	EPA 6010D	679340
92586436024	GWC-11R	EPA 3010A	679167	EPA 6010D	679340

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436025	GWC-13RZ	EPA 3010A	679167	EPA 6010D	679340
92586436026	GWC-14Z	EPA 3010A	679167	EPA 6010D	679340
92586436027	GWC-15R	EPA 3010A	679167	EPA 6010D	679340
92586436028	DUP-3	EPA 3010A	679167	EPA 6010D	679340
92586436029	FB-4	EPA 3010A	679167	EPA 6010D	679340
92586436030	GWC-15Z	EPA 3010A	679167	EPA 6010D	679340
92586436031	FB-5	EPA 3010A	679167	EPA 6010D	679340
92586436032	GWC-13	EPA 3010A	680899	EPA 6010D	681055
92586436033	FB-6	EPA 3010A	680899	EPA 6010D	681055
92586436001	GWA-1	EPA 3005A	679148	EPA 6020B	679359
92586436002	GWA-2	EPA 3005A	679148	EPA 6020B	679359
92586436003	GWA-2R	EPA 3005A	679148	EPA 6020B	679359
92586436004	GWA-50	EPA 3005A	679148	EPA 6020B	679359
92586436005	DUP-1	EPA 3005A	679148	EPA 6020B	679359
92586436006	FB-1	EPA 3005A	679148	EPA 6020B	679359
92586436007	GWA-3A	EPA 3005A	679148	EPA 6020B	679359
92586436008	GWC-5	EPA 3005A	679148	EPA 6020B	679359
92586436009	GWC-6	EPA 3005A	679148	EPA 6020B	679359
92586436010	GWC-6RZ	EPA 3005A	679148	EPA 6020B	679359
92586436011	GWC-7Z	EPA 3005A	679148	EPA 6020B	679359
92586436012	GWC-8Z	EPA 3005A	679148	EPA 6020B	679359
92586436013	GWC-8RR	EPA 3005A	679148	EPA 6020B	679359
92586436014	GWC-9	EPA 3005A	679148	EPA 6020B	679359
92586436015	GWC-12	EPA 3005A	679148	EPA 6020B	679359
92586436016	GWA-50R	EPA 3005A	679148	EPA 6020B	679359
92586436017	DUP-2	EPA 3005A	679148	EPA 6020B	679359
92586436018	FB-2	EPA 3005A	679148	EPA 6020B	679359
92586436019	GWA-4RZ	EPA 3005A	679148	EPA 6020B	679359
92586436020	FB-3	EPA 3005A	679148	EPA 6020B	679359
92586436021	GWC-10	EPA 3005A	679169	EPA 6020B	679363
92586436022	GWC-10R	EPA 3005A	679169	EPA 6020B	679363
92586436023	GWC-11	EPA 3005A	679169	EPA 6020B	679363
92586436024	GWC-11R	EPA 3005A	679169	EPA 6020B	679363
92586436025	GWC-13RZ	EPA 3005A	679169	EPA 6020B	679363
92586436026	GWC-14Z	EPA 3005A	679169	EPA 6020B	679363
92586436027	GWC-15R	EPA 3005A	679169	EPA 6020B	679363
92586436028	DUP-3	EPA 3005A	679169	EPA 6020B	679363
92586436029	FB-4	EPA 3005A	679169	EPA 6020B	679363
92586436030	GWC-15Z	EPA 3005A	679169	EPA 6020B	679363
92586436031	FB-5	EPA 3005A	679169	EPA 6020B	679363
92586436032	GWC-13	EPA 3005A	680871	EPA 6020B	681052
92586436033	FB-6	EPA 3005A	680871	EPA 6020B	681052
92586436001	GWA-1	EPA 7470A	678396	EPA 7470A	678613
92586436002	GWA-2	EPA 7470A	678396	EPA 7470A	678613
92586436003	GWA-2R	EPA 7470A	678396	EPA 7470A	678613
92586436004	GWA-50	EPA 7470A	678396	EPA 7470A	678613

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436005	DUP-1	EPA 7470A	678396	EPA 7470A	678613
92586436006	FB-1	EPA 7470A	678396	EPA 7470A	678613
92586436007	GWA-3A	EPA 7470A	678396	EPA 7470A	678613
92586436008	GWC-5	EPA 7470A	678396	EPA 7470A	678613
92586436009	GWC-6	EPA 7470A	678396	EPA 7470A	678613
92586436010	GWC-6RZ	EPA 7470A	678396	EPA 7470A	678613
92586436011	GWC-7Z	EPA 7470A	678396	EPA 7470A	678613
92586436012	GWC-8Z	EPA 7470A	678396	EPA 7470A	678613
92586436013	GWC-8RR	EPA 7470A	678396	EPA 7470A	678613
92586436014	GWC-9	EPA 7470A	678396	EPA 7470A	678613
92586436015	GWC-12	EPA 7470A	678396	EPA 7470A	678613
92586436016	GWA-50R	EPA 7470A	678396	EPA 7470A	678613
92586436017	DUP-2	EPA 7470A	678396	EPA 7470A	678613
92586436018	FB-2	EPA 7470A	678399	EPA 7470A	678663
92586436019	GWA-4RZ	EPA 7470A	678399	EPA 7470A	678663
92586436020	FB-3	EPA 7470A	678399	EPA 7470A	678663
92586436021	GWC-10	EPA 7470A	678399	EPA 7470A	678663
92586436022	GWC-10R	EPA 7470A	678399	EPA 7470A	678663
92586436023	GWC-11	EPA 7470A	678399	EPA 7470A	678663
92586436024	GWC-11R	EPA 7470A	678399	EPA 7470A	678663
92586436025	GWC-13RZ	EPA 7470A	678399	EPA 7470A	678663
92586436026	GWC-14Z	EPA 7470A	678399	EPA 7470A	678663
92586436027	GWC-15R	EPA 7470A	678399	EPA 7470A	678663
92586436028	DUP-3	EPA 7470A	678399	EPA 7470A	678663
92586436029	FB-4	EPA 7470A	678399	EPA 7470A	678663
92586436030	GWC-15Z	EPA 7470A	678399	EPA 7470A	678663
92586436031	FB-5	EPA 7470A	678404	EPA 7470A	678664
92586436032	GWC-13	EPA 7470A	681261	EPA 7470A	681332
92586436033	FB-6	EPA 7470A	681261	EPA 7470A	681332
92586436001	GWA-1	SM 2540C-2015	676439		
92586436002	GWA-2	SM 2540C-2015	676439		
92586436003	GWA-2R	SM 2540C-2015	676439		
92586436004	GWA-50	SM 2540C-2015	676439		
92586436005	DUP-1	SM 2540C-2015	676439		
92586436006	FB-1	SM 2540C-2015	676439		
92586436007	GWA-3A	SM 2540C-2015	676566		
92586436008	GWC-5	SM 2540C-2015	676566		
92586436009	GWC-6	SM 2540C-2015	676566		
92586436010	GWC-6RZ	SM 2540C-2015	676566		
92586436011	GWC-7Z	SM 2540C-2015	676566		
92586436012	GWC-8Z	SM 2540C-2015	676566		
92586436013	GWC-8RR	SM 2540C-2015	676566		
92586436014	GWC-9	SM 2540C-2015	676566		
92586436015	GWC-12	SM 2540C-2015	676566		
92586436016	GWA-50R	SM 2540C-2015	676566		
92586436017	DUP-2	SM 2540C-2015	676566		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436018	FB-2	SM 2540C-2015	676566		
92586436019	GWA-4RZ	SM 2540C-2015	676886		
92586436020	FB-3	SM 2540C-2015	676886		
92586436021	GWC-10	SM 2540C-2015	677214		
92586436022	GWC-10R	SM 2540C-2015	677214		
92586436023	GWC-11	SM 2540C-2015	677214		
92586436024	GWC-11R	SM 2540C-2015	677214		
92586436025	GWC-13RZ	SM 2540C-2015	677214		
92586436026	GWC-14Z	SM 2540C-2015	677214		
92586436027	GWC-15R	SM 2540C-2015	677216		
92586436028	DUP-3	SM 2540C-2015	677216		
92586436029	FB-4	SM 2540C-2015	677216		
92586436030	GWC-15Z	SM 2540C-2015	677216		
92586436031	FB-5	SM 2540C-2015	677216		
92586436032	GWC-13	SM 2540C-2015	680301		
92586436033	FB-6	SM 2540C-2015	680301		
92586436001	GWA-1	SM 2320B	798119		
92586436002	GWA-2	SM 2320B	798119		
92586436003	GWA-2R	SM 2320B	798119		
92586436004	GWA-50	SM 2320B	798119		
92586436005	DUP-1	SM 2320B	798119		
92586436006	FB-1	SM 2320B	798119		
92586436007	GWA-3A	SM 2320B	798366		
92586436008	GWC-5	SM 2320B	798366		
92586436009	GWC-6	SM 2320B	798366		
92586436010	GWC-6RZ	SM 2320B	798366		
92586436011	GWC-7Z	SM 2320B	798366		
92586436012	GWC-8Z	SM 2320B	798366		
92586436013	GWC-8RR	SM 2320B	798366		
92586436014	GWC-9	SM 2320B	798366		
92586436015	GWC-12	SM 2320B	798366		
92586436016	GWA-50R	SM 2320B	798366		
92586436017	DUP-2	SM 2320B	798366		
92586436018	FB-2	SM 2320B	798366		
92586436019	GWA-4RZ	SM 2320B	798903		
92586436020	FB-3	SM 2320B	798903		
92586436021	GWC-10	SM 2320B	798367		
92586436022	GWC-10R	SM 2320B	798367		
92586436023	GWC-11	SM 2320B	798367		
92586436024	GWC-11R	SM 2320B	798367		
92586436025	GWC-13RZ	SM 2320B	798367		
92586436026	GWC-14Z	SM 2320B	798903		
92586436027	GWC-15R	SM 2320B	798903		
92586436028	DUP-3	SM 2320B	798903		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 1&2

Pace Project No.: 92586436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92586436029	FB-4	SM 2320B	798903		
92586436030	GWC-15Z	SM 2320B	798903		
92586436031	FB-5	SM 2320B	798903		
92586436032	GWC-13	SM 2320B	800675		
92586436033	FB-6	SM 2320B	800675		
92586436001	GWA-1	EPA 300.0 Rev 2.1 1993	677743		
92586436002	GWA-2	EPA 300.0 Rev 2.1 1993	677743		
92586436003	GWA-2R	EPA 300.0 Rev 2.1 1993	677743		
92586436004	GWA-50	EPA 300.0 Rev 2.1 1993	677743		
92586436005	DUP-1	EPA 300.0 Rev 2.1 1993	677743		
92586436006	FB-1	EPA 300.0 Rev 2.1 1993	677743		
92586436007	GWA-3A	EPA 300.0 Rev 2.1 1993	677743		
92586436008	GWC-5	EPA 300.0 Rev 2.1 1993	677743		
92586436009	GWC-6	EPA 300.0 Rev 2.1 1993	677743		
92586436010	GWC-6RZ	EPA 300.0 Rev 2.1 1993	677743		
92586436011	GWC-7Z	EPA 300.0 Rev 2.1 1993	677747		
92586436012	GWC-8Z	EPA 300.0 Rev 2.1 1993	677747		
92586436013	GWC-8RR	EPA 300.0 Rev 2.1 1993	677747		
92586436014	GWC-9	EPA 300.0 Rev 2.1 1993	677747		
92586436015	GWC-12	EPA 300.0 Rev 2.1 1993	677747		
92586436016	GWA-50R	EPA 300.0 Rev 2.1 1993	677747		
92586436017	DUP-2	EPA 300.0 Rev 2.1 1993	677747		
92586436018	FB-2	EPA 300.0 Rev 2.1 1993	677747		
92586436019	GWA-4RZ	EPA 300.0 Rev 2.1 1993	677747		
92586436020	FB-3	EPA 300.0 Rev 2.1 1993	677747		
92586436021	GWC-10	EPA 300.0 Rev 2.1 1993	678003		
92586436022	GWC-10R	EPA 300.0 Rev 2.1 1993	678003		
92586436023	GWC-11	EPA 300.0 Rev 2.1 1993	678004		
92586436024	GWC-11R	EPA 300.0 Rev 2.1 1993	678004		
92586436025	GWC-13RZ	EPA 300.0 Rev 2.1 1993	678004		
92586436026	GWC-14Z	EPA 300.0 Rev 2.1 1993	678004		
92586436027	GWC-15R	EPA 300.0 Rev 2.1 1993	678004		
92586436028	DUP-3	EPA 300.0 Rev 2.1 1993	678004		
92586436029	FB-4	EPA 300.0 Rev 2.1 1993	678004		
92586436030	GWC-15Z	EPA 300.0 Rev 2.1 1993	678004		
92586436031	FB-5	EPA 300.0 Rev 2.1 1993	678004		
92586436032	GWC-13	EPA 300.0 Rev 2.1 1993	680699		
92586436033	FB-6	EPA 300.0 Rev 2.1 1993	680699		

REPORT OF LABORATORY ANALYSIS

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Document Name:
Sample Condition Upon Receipt (SCUR)
Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
Page 1 of 2
Issuing Authority:
Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition
Upon Receipt

Client Name:
GA Power

Project #: **WO# : 92586436**



Date/Initials Person Examining Contents: JPE 2/17/22

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Thermometer: IR Gun ID: 230 Type of Ice: Wet Blue None

Yes No N/A

Cooler Temp: 55 Correction Factor: Add/Subtract (°C) +2

Temp should be above freezing to 6°C

Samples out of temp criteria Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 5.7

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Did sample originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <u>WT</u>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 7 of 2
 Issuing Authority:
 Face Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
 Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 [water] DOC, LLHg

Project # **W0# : 92586436**
 PH: NMG Due Date: 02/18/22
 CLIENT: GR-GR Power

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGFL-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	VJ/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH4)2SO4 (9.3-9.7)	AG9U-100 mL Amber Unpreserved vials (N/A)	V56U-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	2	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of field, incorrect preservative, out of temp, incorrect containers)



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021

Page 2 of 2

Issuing Authority:
 Quality Office

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GR-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water) DDC, LHG

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG3H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-S035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SPST-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG3U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1		2	1																									
2		2	1																									
3		2	1																									
4		2	1																									
5		2	1																									
6		2	1																									
7		2	1																									
8		2	1																									
9																												
10																												
11																												
12																												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



CLAIM-OF-CUSTOMER / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A
 Required Client Information:
 Property: GA Power
 Address: 1003 Weatherstone Parkway
 City: Woodstock, GA 30188
 Contact: Kevin Stephenson (Phone) 800-455-6000 (Fax)
 Requested Date: 2/11/22

Section B
 Required Project Information:
 Report To: Kristin Jurmko
 Copy To: Rhonda Queen
 Purchase Order No.: _____
 Project Name: Plant Bowen Landfill
 Project Number: _____

Section C
 Invoicing Information:
 Attention: Southern Co.
 Company Name: _____
 Address: _____
 Fax: _____
 Project Manager: Nicole D'Olivo
 Phone/Fax: 2928

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER 000
 Site Location: GA
 STATE: _____

ITEM #	Section D Required Client Information	Matrix Code (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab ID.
								H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₅	Methanol	Other				
1	-DUP-1	DUP-1	WT G	2/11/22			4	3	1									
2	-DUP-2	DUP-2																
3	-DUP-3	DUP-3																
4	-FB-1	FB-1	WT G	2/11/22	1600		4	3	1									
5	-FB-	FB-																
6	-FB-	FB-																
7	-FB-	FB-																
8	-FB-	FB-																
9	-FB-	FB-																
10																		
11																		
12																		

ADDITIONAL COMMENTS
 REMUNISHED BY / AFFILIATION: William Laker DATE: 2/4/22 TIME: 0800
 ACCEPTED BY / AFFILIATION: Atoya Garner DATE: 2/4/22 TIME: 0800
 SAMPLE CONDITIONS: _____

RELINQUISHED BY / AFFILIATION
William Laker DATE: 2/4/22 TIME: 11:45
William Laker DATE: 2/4/22 TIME: 1145

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Nereidith Dargatzis DATE Signed: 2/11/22
 SIGNATURE of SAMPLER: Nereidith Dargatzis
 PRINT Name of SAMPLER: Kevin Stephenson DATE Signed: 2/11/22
 SIGNATURE of SAMPLER: Kevin Stephenson

Permitted

UTAHN-OF-CUSTOMER / Analytical Request Document
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **3** of **3**

Section A Requested Client Information Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, Ga 30188		Section B Requested Project Information Report To: Kristen Juniko Copy To: Rhonda Quinn		Section C Invoice Information Location: Southern Co. Company Name: Address: State: GA Zip Code: 30225 Project Name: N Cole Doleo Project Manager: [blank] Project # 2925	
Email To: Kevin.Stephenson@resoluteenergy.com Phone: (678)5489415 Fax: [blank]		Purchase Order No.: [blank] Project Name: Pace Bowen Landfill Project Number: [blank]		Regulatory Agency: <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> LUST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input checked="" type="checkbox"/>	
Requested Due Date/TAT: 10 Day		Cells Land 2		Site Location: [blank] STATE: GA	

ITEM #	Section D Requested Client Information	VALID MATRIX CODES MUTEX SPECIAL WATER WASTEWATER PROJECT WATER SOURCING CL WIRE AIR OTHER TDS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (B=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab ID
											Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol				
1	-GRAB-1									4											
2	DUP-2				2/4/22					3								X	X	X	
3	-GRAB-2																				
4	GRAB FG-2				2/6/22	10/14				4								X	X	X	
5	-FBL-									1											
6	-FBL-																				
7	-FBL-																				
8	-FBL-																				
9	-FBL-																				
10																					
11																					
12																					

ADDITIONAL COMMENTS Item Number: 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100		RELINQUISHED BY / AFFILIATION William Lanker		DATE 2/4/22		TIME 0800		ACCEPTED BY / AFFILIATION Atoya Garner		DATE 2/4/22		TIME 0800		SAMPLE CONDITIONS	
		Atoya Garner		2/4/22		11:45		Ryan Williams / Pra		2/4/22		1145			
		Ryan Williams / Pra		2/4/22		1900		Ryan Williams / Pra		2/4/22		1900			

TEMPERATURE AND SIGNATURE PRINT Name of SAMPLER: Robert M. Lanker SIGNATURE of SAMPLER: [Signature]		DATE Signed (MM/DD/YYYY): 02/02/22		Temp in °C: [blank]		Received on Ice (Y/N): [blank]		Custody Sealed Cooler (Y/N): [blank]		Samples Intact (Y/N): [blank]	
--	--	------------------------------------	--	---------------------	--	--------------------------------	--	--------------------------------------	--	-------------------------------	--



Section A Request Client Information Agency: GA Power Address: 1003 Westchester Parkway Woodstock, Ga 30189		Section B Request Project Information Report To: Kristin Jurinko Contact To: Rhonda Quinn		Section C Invoice Information Attention: Southern Co. Company Name Address City/State/Zip Site Name Site Address # 2928	
Site To: Kevin.Stephenson@resolutions.com Phone: (678)4899415 Fax Requested Date/Time/FAT: 11 Day		Purchase Order No. Plant Name: Plant Bowen Landfill Cell: C115 1 & 2		REGULATORY AGENCY NPOES <input type="checkbox"/> GROUND WATER UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>	
Requested Date/Time/FAT: 11 Day		Project Name: Plant Bowen Landfill Project Number		Site Location: GA STATE: GA	

ITEM #	Section D Required Chain Identification	Valid Matrix Codes WASTE WASTE WASTE WASTE WASTE PRODUCT SOLVENT OIL MIL LIME LIME OTHER TERRAS	CODE	MATERIAL CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₅ Methanol Other	Analysis Test Metals + Semi Metals Cl, F, SO ₄ Total/Carb/Bicarb Alk TDS	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab ID.
1	GRAB-4															
2	GRAB-2															
3	GRAB-3															
4	FBI FB-3			MT G	2/3/22	1200					4	3	1			
5	FBI															
6	FBI															
7	FBI															
8	FBI															
9	FBI															
10	FBI															
11																
12																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	William Leaker	2/4/22	0800	Atoya Garner	2/4/22	0800	

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	Atoya Garner Ryan Williams / Rae	2/4/22	1145	Ryan Williams / Rae	2/4/22	1145	

SAMPLER NAME AND SIGNATURE		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
PRINT Name of SAMPLER: Meredith Dorton, William Leaker, Kevin Stephenson, Robert Mull	SIGNATURE OF SAMPLER: Meredith Dorton, William Leaker, Kevin Stephenson, Robert Mull				
DATE Signed (MM/DD/YY): 02/03/22					

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: GA Power
 Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Project #: **WO# : 92586436**
 PH: _____ Due Date: 02/18/22
 CLIENT: GA-GR Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: JFE 2/8/22

Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: IR Gun ID: 083 Type of Ice: Wat Blue None

Biological Tissue Frozen? Yes No N/A

Cooler Temp: 1.1 Correction Factor: Add/Subtract (°C) +2

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.3
 USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3
Rush Turn Around Time Requested?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4 <u>10 Days</u>
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9
-Includes Date/Time/ID/Analysis Matrix	<u>W</u>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
 Sample Condition Upon Receipt (SCUR)
 Document No.:
 F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water) DDC, LLHG

**Bottom half of box is to list number of bottles

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3M-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-60 mL VOA HCl (N/A)	V69T-40 mL VOA Na2S2O3 (N/A)	V69U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VD9K (3 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG9U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1																										
2		2	1																										
3		2	1																										
4		2	1																										
5		2	1																										
6		2	1																										
7		2	1																										
8		2	1																										
9		2	1																										
10		2	1																										
11		2	1																										
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Requested Client Information: Agency: GA Power Office: 1003 Weatherstone Parkway Woodstock, Ga 30188		Section B Required Project Information: Report To: Kristen Jurnko Corp To: Florida Quin		Section C Service Information: Jurisdiction: Southern Co. Company Name: Address: Plant Code: Plant Name: Plant Address: Plant Phone #: 2828	
Mail To: Kevin.Stephenson@residualenergy.com Phone: (878)5489415 Fax: Requested Due Date/TIME: 18 Day		Purchase Order No.: Project Name: Plant Bowen Landfill Cells 1 and 2 Project Number:		Regulatory Agency: <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Site Location: GA STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requestor Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab ID.		
														MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)
1		GWC-10	2/4/22	1115				4		X X X X X			6.53		
2		GWC-10R	2/4/22	1240				4		X X X X X			7.69		
3		GWC-11	2/4/22	1233				4		X X X X X			7.20		
4		GWC-11R	2/4/22	1045				4		X X X X X			7.58		
5		GWC-12													
6		GWC-13													
7		GWC-13RZ	2/4/22	0944				4		X X X X X			7.46		
8		GWC-14Z	2/4/22	1130				4		X X X X X			6.06		
9		GWC-15Z													
10		GWC-15R	2/4/22	1314				4		X X X X X			7.61		
11		GWC-16													
12		GWC-16R													

ADDITIONAL COMMENTS: All Metals require 3h. Ac. Br. Brn. Cd. Cr. Cu. Pb. Pp. Rn. Zn. Tl. V. Zn. Co.		RELINQUISHED BY / AFFILIATION: William Leaker		DATE: 2/8/22 TIME: 0800		ACCEPTED BY / AFFILIATION: Atoya Garner		DATE: 2/8/22 TIME: 0800		SAMPLE CONDITIONS: Temp in °C Received on lot (Y/N) Custody Sealed Cooler (Y/N) Samples intact (Y/N)	
SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: William Leaker SIGNATURE of SAMPLER: <i>William Leaker</i>		DATE Signed (MM/DD/YYYY): 2/4/22		DATE: 2/8/22 TIME: 8:10		ACCEPTED BY / AFFILIATION: Ryan Williams / Pae		DATE: 2/8/22 TIME: 0810		SIGNATURE of SAMPLER: PRINT Name of SAMPLER: Ryan Williams / Pae SIGNATURE of SAMPLER: <i>Ryan Williams / Pae</i>	



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Requested Client Information Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, GA 30188		Section B Requested Project Information Report To: Kristin Junkin Copy To: Rhonda Dalton		Section C Analytical Information Agency: Southern Co Company Name: Request: Field Date: Reference: Date of Project: Project Name:	
Email To: Kevin.Stephenson@residualenergy.com Phone: (578)5489415 Fax: Requested Due Date/TAT: 10 Day		Purchase Order No: Plant Name: Plant Bowen Landfill Cells 1 and 2 Project Number:		State: City: Zip Code: 2828 State: GA	

ITEM #	Station ID	Valid Matrix Codes MATERIALS CODE GROUND WATER WASTE WATER PRODUCTS SOLID/SLURRY AIR OTHER TSS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					DATE	TIME							
1	-EPP-1				2/4/22	1315		4	3	1			
2	-EPP-2				2/4/22	1315		4	3	1			
3	-DUP-3				2/4/22	1315		4	3	1			
4	-FB-4												
5	-FB-												
6	-FB-												
7	-FB-												
8	-FB-												
9	-FB-												
10													
11													
12													

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
William Leaker	2/8/22	0800	Atoya Garner	2/8/22	0800	
Atoya Garner	2/8/22	8:10	Ryan Williams / Pace	2/8/22	0810	
Ryan Williams / Pace	2/8/22	0846	Michelle [Signature]	2/8	0849	

ADDITIONAL COMMENTS Do Noted include Sp. As, Ba, Br, Cl, Ca, Cr, Cu, Pb, Ni, Se, Tl, V, Zn, Co			
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: William Leaker, Atoya Stephenson, Meredith Duncan, Robert Muil SIGNATURE of SAMPLER: [Signatures] DATE Signed (MM/DD/YYYY): 2/4/22			
Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Requested Client Information: Agency: GA Power Address: 1003 Westhollow Parkway Woodstock, GA 30188		Section B Requested Project Information: Report To: Kristin Jurhiko Copy To: Rhonda Quinn		Section C Local Information: Address: Southern Co. Company Name:	
Requested Date: 2/17/22 To Day:		Project Name: Plant Bowen Landfill Cell(s) and 2		Project Number:	
Name: (678)2409415 Fax:		Project Name: Plant Bowen Landfill Cell(s) and 2		Project Number:	
Requested Date: 2/17/22 To Day:		Project Name: Plant Bowen Landfill Cell(s) and 2		Project Number:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
				DATE	TIME	DATE							
1	-GWC-10												
2	-GWC-10R												
3	-GWC-11												
4	-GWC-11R												
5	-GWC-12												
6	-GWC-12R												
7	-GWC-13												
8	-GWC-13R												
9	-GWC-14												
10	-GWC-14R												
11	-GWC-15												
12	-GWC-15R												

ADDITIONAL COMMENTS In Verbal include SO, AS, BA, BA, CA, CA, C, CA, PB, M, SA, TV, Zn, Co		RELINQUISHED BY / AFFILIATION William Laakee		DATE 2/8/22		TIME 0800		ACCEPTED BY / AFFILIATION Araya Garner		DATE 2/8/22		TIME 0800	
RELINQUISHED BY / AFFILIATION Araya Garner / Pace		DATE 2/8/22		TIME 8:10		ACCEPTED BY / AFFILIATION Ryan Williams / Pace		DATE 2/8/22		TIME 0810			

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: William Laakee, Meredith Duncan SIGNATURE of SAMPLER:		DATE Signed 2/7/22		Temp in °C		Received on Ice (Y/N)		Custody Sealed/ Cooler (Y/N)		Samples Intact (Y/N)	
--	--	------------------------------	--	-------------------	--	------------------------------	--	-------------------------------------	--	-----------------------------	--

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92586436

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

PM: NMG Due Date: 02/18/22
 CLIENT: GA-GA Power

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *2/18/22 COA*

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: Gun ID: *083* Type of Ice: Wet Blue None

Cooler Temp: *3.1* Correction Factor: Add/Subtract (°C) *+0.2*
 Cooler Temp Corrected (°C): *3.3*

Temp should be above freezing to 6°C
 Samples out of temp criteria Samples on ice, cooling process has begun

USDA Regulated Soil (N/A, water sample)
 Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Includes Date/Time/ID/Analysis Matrix:	<i>W</i>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers: _____

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____

Date: _____

Project Manager SRF Review: _____

Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.:
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO# : 92586436

PM: NMG

Due Date: 02/18/22

CLIENT: GA-GA Power

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C)	BP3N-250 mL Plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C)	WGFLU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(D63A)-250 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (3 vials per kit)-5035 kit (N/A)	V/GX (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1		2	1		1	1																								
2		2	1		1	1																								
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Stephenson
 Requested

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain of Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page **2** of **3**

Section A Requester Classification Company: GA Power Address: 1003 Weatherstone Parkway Woodstock, GA 30153 Phone: (578)489415 Fax: [blank] Requester Due Date/TAT: 30 Day		Section B Requested Project Information Project Name: Plant Bowen Landfill Project Number: [blank]		Section C Invoicing Information Company Name: Southern Co Address: [blank] City/State: Middle Doreo Requester Name: Nicole D'Orso Requester Title: Manager Requester Phone: 2928	
REGULATORY AGENCY NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>		Requested Analysis Filtered (Y/N)		Site Location STATE: GA	

ITEM #	Section D Requested Container Information SAMPLE ID (A-Z, 0-9, /) Sample IDs MUST BE UNIQUE	VALID Matrix Codes WATER WASTE WATER WASTE SLURRY SOLID SLUDGE SOLID SOLID	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	PRESERVATIVES	ANALYSIS TEST	W/N	Residual Chlorine (Y/N)	Pace Protect No./ Lab I.D.
					DATE	TIME							
1	-GWC-10												
2	-GWC-10R												
3	-GWC-11												
4	-GWC-11R												
5	-GWC-12												
6	-GWC-12R												
7	-GWC-13												
8	-GWC-13R												
9	-GWC-14												
10	-GWC-14R												
11	-GWA-50												
12	-GWA-50R												

ADDITIONAL COMMENTS Site being located at the site of the old plant.		REQUISITIONED BY / AFFILIATION <i>Kevin Stephenson</i>		DATE 2/17/22		ACCEPTED BY / AFFILIATION <i>William Lamber</i>		DATE 2/17/22		Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Kevin Stephenson SIGNATURE of SAMPLER: <i>Kevin Stephenson</i>		DATE 2/17/22		TIME 11:56		DATE 2/17/22		TIME 09:58					

Recycled

CHAIN-OF-CUSTODY / Analytical Request Document
 The Chain of Custody is a LEGAL DOCUMENT. All relevant details must be completed accurately.

Page **3** of **3**

Section A Required Client Information Company: GA Power Access: 1000 Westhenshore Parkway Address: Woodstock, GA 30188 Email to: Kevin.Stephenson@Resourcetech.com Phone: (878)5889415 Fax: [blank] Requested Due Date/TIME: 18 Day	Section B Required Project Information Report to: Kristian Jurkovic Client to: Rhonda Gunn Purchase Order No: [blank] Project Name: Flint Bowen Landfill Project Number: [blank]	Section C Local Information Jurisdiction: Southern CO Company Name: [blank] Address: [blank] Person Name: [blank] Person Title: Nicole D'Orso Project Number: 2928	REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> USE <input type="checkbox"/> RORL <input type="checkbox"/> OTHER: [blank] Site Location: [blank] STATE: GA
---	---	--	---

ITEM #	Section D Regulated Chemicals	VALID Matrix Codes MUTUAL USE DATE MATR. USE PROJECT # SOURCE # DATE ANALYST DATE DATE	CODE	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAB C=CCMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Page Project No./ Lab ID.	
						DATE	TIME			DATE	TIME	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH					Na ₂ S ₂ O ₅
1	-GRAB-																				
2	-GRAB-																				
3	-GRAB-																				
4	-GRAB-					2/17/22	1340		4	3	1										
5	-GRAB-																				
6	-GRAB-																				
7	-GRAB-																				
8	-GRAB-																				
9	-GRAB-																				
10	-GRAB-																				
11	-GRAB-																				
12	-GRAB-																				

ADDITIONAL COMMENTS: [blank]

RELINQUISHED BY / AFFILIATION: Kevin Stephenson
 DATE: 2/17/22
 TIME: 11:50
 SIGNATURE: [Signature]

ACCEPTED BY / AFFILIATION: [blank]
 DATE: 2/17/22
 TIME: 0950
 SIGNATURE: [Signature]

SAMPLER NAME AND SIGNATURE: Kevin Stephenson, William Lauber
 DATE SIGNED: 2/17/22

Temp in °C: [blank]
 Received on Ice (Y/N): [blank]
 Custody Sealed Cooler (Y/N): [blank]
 Samples Intact (Y/N): [blank]



April 19, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA
- Pace Analytical Services - Minneapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Pace Analytical Services, LLC - Minneapolis MN

1700 Elm Street SE, Minneapolis, MN 55414
1800 Elm Street SE, Minneapolis, MN 55414--Satellite Air Lab

- A2LA Certification #: 2926.01*
- Alabama Certification #: 40770
- Alaska Contaminated Sites Certification #: 17-009*
- Alaska DW Certification #: MN00064
- Arizona Certification #: AZ0014*
- Arkansas DW Certification #: MN00064
- Arkansas WW Certification #: 88-0680
- California Certification #: 2929
- Colorado Certification #: MN00064
- Connecticut Certification #: PH-0256
- EPA Region 8 Tribal Water Systems+Wyoming DW Certification #: via MN 027-053-137
- Florida Certification #: E87605*
- Georgia Certification #: 959
- Hawaii Certification #: MN00064
- Idaho Certification #: MN00064
- Illinois Certification #: 200011
- Indiana Certification #: C-MN-01
- Iowa Certification #: 368
- Kansas Certification #: E-10167
- Kentucky DW Certification #: 90062
- Kentucky WW Certification #: 90062
- Louisiana DEQ Certification #: AI-03086*
- Louisiana DW Certification #: MN00064
- Maine Certification #: MN00064*
- Maryland Certification #: 322
- Michigan Certification #: 9909
- Minnesota Certification #: 027-053-137*
- Minnesota Dept of Ag Approval: via MN 027-053-137
- Minnesota Petrofund Registration #: 1240*
- Mississippi Certification #: MN00064

- Missouri Certification #: 10100
- Montana Certification #: CERT0092
- Nebraska Certification #: NE-OS-18-06
- Nevada Certification #: MN00064
- New Hampshire Certification #: 2081*
- New Jersey Certification #: MN002
- New York Certification #: 11647*
- North Carolina DW Certification #: 27700
- North Carolina WW Certification #: 530
- North Dakota Certification (A2LA) #: R-036
- North Dakota Certification (MN) #: R-036
- Ohio DW Certification #: 41244
- Ohio VAP Certification (1700) #: CL101
- Ohio VAP Certification (1800) #: CL110*
- Oklahoma Certification #: 9507*
- Oregon Primary Certification #: MN300001
- Oregon Secondary Certification #: MN200001*
- Pennsylvania Certification #: 68-00563*
- Puerto Rico Certification #: MN00064
- South Carolina Certification #:74003001
- Tennessee Certification #: TN02818
- Texas Certification #: T104704192*
- Utah Certification #: MN00064*
- Vermont Certification #: VT-027053137
- Virginia Certification #: 460163*
- Washington Certification #: C486*
- West Virginia DEP Certification #: 382
- West Virginia DW Certification #: 9952 C
- Wisconsin Certification #: 999407970
- Wyoming UST Certification #: via A2LA 2926.01
- USDA Permit #: P330-19-00208
- *Please Note: Applicable air certifications are denoted with an asterisk (*).

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

- South Carolina Certification #: 99006001
- South Carolina Drinking Water Cert. #: 99006003
- Florida/NELAP Certification #: E87627
- Kentucky UST Certification #: 84
- Louisiana DoH Drinking Water #: LA029
- Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

- South Carolina Laboratory ID: 99030
- South Carolina Certification #: 99030001
- Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315

- Georgia DW Inorganics Certification #: 812
- North Carolina Certification #: 381

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92597519

Pace Analytical Services Peachtree Corners
South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92597519001	GWA-36A	Water	04/06/22 11:46	04/06/22 14:10
92597519002	FB-1	Water	04/06/22 12:20	04/06/22 14:10

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92597519

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92597519001	GWA-36A	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
		SM 2540C-2011	ZMC	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
92597519002	FB-1	EPA 6010D	KH	5	PASI-GA
		EPA 6020B	CW1	15	PASI-GA
		EPA 7470A	VB	1	PASI-GA
		SM 2320B	AB3	3	PASI-M
		SM 2540C-2011	ZMC	1	PASI-A
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA
 PASI-M = Pace Analytical Services - Minneapolis

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92597519001	GWA-36A					
	Performed by	CUSTOME			04/06/22 15:49	
		R				
	pH	6.82	Std. Units		04/06/22 15:49	
EPA 6010D	Zinc	0.012J	mg/L	0.020	04/07/22 21:01	
EPA 6010D	Potassium	1.6	mg/L	0.20	04/07/22 21:01	
EPA 6010D	Sodium	1.2	mg/L	1.0	04/07/22 21:01	
EPA 6010D	Calcium	48.7	mg/L	1.0	04/07/22 21:01	M1
EPA 6010D	Magnesium	24.4	mg/L	0.050	04/07/22 21:01	M1
EPA 6020B	Arsenic	0.0018J	mg/L	0.0050	04/11/22 17:06	
EPA 6020B	Barium	0.041	mg/L	0.0050	04/11/22 17:06	
EPA 6020B	Beryllium	0.000061J	mg/L	0.00050	04/11/22 17:06	
EPA 6020B	Boron	0.032J	mg/L	0.040	04/11/22 17:06	
SM 2320B	Alkalinity, Total as CaCO3	192	mg/L	5.0	04/16/22 12:20	
SM 2320B	Alkalinity,Bicarbonate (CaCO3)	192	mg/L	5.0	04/16/22 12:20	
SM 2540C-2011	Total Dissolved Solids	238	mg/L	25.0	04/07/22 15:39	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	04/08/22 06:55	
EPA 300.0 Rev 2.1 1993	Sulfate	21.2	mg/L	1.0	04/08/22 06:55	
92597519002	FB-1					
EPA 6020B	Antimony	0.0013J	mg/L	0.0030	04/11/22 17:30	
EPA 6020B	Arsenic	0.0016J	mg/L	0.0050	04/11/22 17:30	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92597519

Sample: GWA-36A **Lab ID: 92597519001** Collected: 04/06/22 11:46 Received: 04/06/22 14:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		04/06/22 15:49		
pH	6.82	Std. Units			1		04/06/22 15:49		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	0.012J	mg/L	0.020	0.0085	1	04/07/22 10:57	04/07/22 21:01	7440-66-6	
Potassium	1.6	mg/L	0.20	0.15	1	04/07/22 10:57	04/07/22 21:01	7440-09-7	
Sodium	1.2	mg/L	1.0	0.58	1	04/07/22 10:57	04/07/22 21:01	7440-23-5	
Calcium	48.7	mg/L	1.0	0.12	1	04/07/22 10:57	04/07/22 21:01	7440-70-2	M1
Magnesium	24.4	mg/L	0.050	0.012	1	04/07/22 10:57	04/07/22 21:01	7439-95-4	M1
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	04/11/22 12:02	04/11/22 17:06	7440-36-0	
Arsenic	0.0018J	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:06	7440-38-2	
Barium	0.041	mg/L	0.0050	0.00067	1	04/11/22 12:02	04/11/22 17:06	7440-39-3	
Beryllium	0.000061J	mg/L	0.00050	0.000054	1	04/11/22 12:02	04/11/22 17:06	7440-41-7	
Boron	0.032J	mg/L	0.040	0.0086	1	04/11/22 12:02	04/11/22 17:06	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	04/11/22 12:02	04/11/22 17:06	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:06	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	04/11/22 12:02	04/11/22 17:06	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	04/11/22 12:02	04/11/22 17:06	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	04/11/22 12:02	04/11/22 17:06	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	04/11/22 12:02	04/11/22 17:06	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	04/11/22 12:02	04/11/22 17:06	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	04/11/22 12:02	04/11/22 17:06	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	04/11/22 12:02	04/11/22 17:06	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	04/11/22 12:02	04/11/22 17:06	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	04/18/22 10:15	04/18/22 13:15	7439-97-6	
2320B Alkalinity									
Analytical Method: SM 2320B Pace Analytical Services - Minneapolis									
Alkalinity, Total as CaCO ₃	192	mg/L	5.0	1.8	1		04/16/22 12:20		
Alkalinity, Bicarbonate (CaCO ₃)	192	mg/L	5.0	1.8	1		04/16/22 12:20		
Alkalinity, Carbonate (CaCO ₃)	ND	mg/L	5.0	1.8	1		04/16/22 12:20		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Asheville									
Total Dissolved Solids	238	mg/L	25.0	25.0	1		04/07/22 15:39		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92597519

Sample: GWA-36A **Lab ID: 92597519001** Collected: 04/06/22 11:46 Received: 04/06/22 14:10 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.4	mg/L	1.0	0.60	1		04/08/22 06:55	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		04/08/22 06:55	16984-48-8	
Sulfate	21.2	mg/L	1.0	0.50	1		04/08/22 06:55	14808-79-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92597519

Sample: FB-1		Lab ID: 92597519002		Collected: 04/06/22 12:20	Received: 04/06/22 14:10	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	04/07/22 10:57	04/07/22 21:21	7440-66-6		
Potassium	ND	mg/L	0.20	0.15	1	04/07/22 10:57	04/07/22 21:21	7440-09-7		
Sodium	ND	mg/L	1.0	0.58	1	04/07/22 10:57	04/07/22 21:21	7440-23-5		
Calcium	ND	mg/L	1.0	0.12	1	04/07/22 10:57	04/07/22 21:21	7440-70-2		
Magnesium	ND	mg/L	0.050	0.012	1	04/07/22 10:57	04/07/22 21:21	7439-95-4		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	0.0013J	mg/L	0.0030	0.00078	1	04/11/22 12:02	04/11/22 17:30	7440-36-0		
Arsenic	0.0016J	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:30	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	04/11/22 12:02	04/11/22 17:30	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	04/11/22 12:02	04/11/22 17:30	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	04/11/22 12:02	04/11/22 17:30	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	04/11/22 12:02	04/11/22 17:30	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	04/11/22 12:02	04/11/22 17:30	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	04/11/22 12:02	04/11/22 17:30	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	04/11/22 12:02	04/11/22 17:30	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	04/11/22 12:02	04/11/22 17:30	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	04/11/22 12:02	04/11/22 17:30	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	04/11/22 12:02	04/11/22 17:30	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	04/11/22 12:02	04/11/22 17:30	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	04/11/22 12:02	04/11/22 17:30	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	04/11/22 12:02	04/11/22 17:30	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	04/18/22 10:15	04/18/22 13:18	7439-97-6		
2320B Alkalinity		Analytical Method: SM 2320B Pace Analytical Services - Minneapolis								
Alkalinity, Total as CaCO3	ND	mg/L	5.0	1.8	1		04/16/22 12:26			
Alkalinity,Bicarbonate (CaCO3)	ND	mg/L	5.0	1.8	1		04/16/22 12:26			
Alkalinity,Carbonate (CaCO3)	ND	mg/L	5.0	1.8	1		04/16/22 12:26			
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2011 Pace Analytical Services - Asheville								
Total Dissolved Solids	ND	mg/L	25.0	25.0	1		04/07/22 15:39			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		04/08/22 07:11	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		04/08/22 07:11	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		04/08/22 07:11	14808-79-8		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch: 690039	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3605646 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	04/07/22 20:37	
Magnesium	mg/L	ND	0.050	0.012	04/07/22 20:37	
Potassium	mg/L	ND	0.20	0.15	04/07/22 20:37	
Sodium	mg/L	ND	1.0	0.58	04/07/22 20:37	
Zinc	mg/L	ND	0.020	0.0085	04/07/22 20:37	

LABORATORY CONTROL SAMPLE: 3605647

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	
Magnesium	mg/L	1	1.1	106	80-120	
Potassium	mg/L	1	1.0	103	80-120	
Sodium	mg/L	1	1.0	103	80-120	
Zinc	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3605728 3605729

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92597519001 Result	Spike Conc.	Spike Conc.	Result						
Calcium	mg/L	48.7	1	1	48.4	49.3	-27	68	75-125	2	20 M1
Magnesium	mg/L	24.4	1	1	24.7	25.4	30	102	75-125	3	20 M1
Potassium	mg/L	1.6	1	1	2.6	2.6	99	101	75-125	1	20
Sodium	mg/L	1.2	1	1	2.2	2.2	103	105	75-125	1	20
Zinc	mg/L	0.012J	1	1	1.1	1.1	105	105	75-125	1	20

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92597519

QC Batch: 690695 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3609206 Matrix: Water
 Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	04/11/22 16:54	
Arsenic	mg/L	ND	0.0050	0.0011	04/11/22 16:54	
Barium	mg/L	ND	0.0050	0.00067	04/11/22 16:54	
Beryllium	mg/L	ND	0.00050	0.000054	04/11/22 16:54	
Boron	mg/L	ND	0.040	0.0086	04/11/22 16:54	
Cadmium	mg/L	ND	0.00050	0.00011	04/11/22 16:54	
Chromium	mg/L	ND	0.0050	0.0011	04/11/22 16:54	
Cobalt	mg/L	ND	0.0050	0.00039	04/11/22 16:54	
Copper	mg/L	ND	0.0050	0.00050	04/11/22 16:54	
Lead	mg/L	ND	0.0010	0.00089	04/11/22 16:54	
Nickel	mg/L	ND	0.0050	0.00071	04/11/22 16:54	
Selenium	mg/L	ND	0.0050	0.0014	04/11/22 16:54	
Silver	mg/L	ND	0.0050	0.00044	04/11/22 16:54	
Thallium	mg/L	ND	0.0010	0.00018	04/11/22 16:54	
Vanadium	mg/L	ND	0.010	0.0019	04/11/22 16:54	

LABORATORY CONTROL SAMPLE: 3609207

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.099	99	80-120	
Arsenic	mg/L	0.1	0.094	94	80-120	
Barium	mg/L	0.1	0.096	96	80-120	
Beryllium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.096	96	80-120	
Copper	mg/L	0.1	0.095	95	80-120	
Lead	mg/L	0.1	0.093	93	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.094	94	80-120	
Silver	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.093	93	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Parameter	Units	3609208		3609209		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20		
Arsenic	mg/L	0.0018J	0.1	0.1	0.096	0.096	95	94	75-125	0	20		
Barium	mg/L	0.041	0.1	0.1	0.14	0.14	100	100	75-125	0	20		
Beryllium	mg/L	0.000061J	0.1	0.1	0.10	0.11	103	111	75-125	7	20		
Boron	mg/L	0.032J	1	1	1.1	1.2	102	112	75-125	9	20		
Cadmium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	100	75-125	0	20		
Cobalt	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.095	0.097	94	96	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20		
Nickel	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.094	0.096	93	96	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch: 691983	Analysis Method: EPA 7470A
QC Batch Method: EPA 7470A	Analysis Description: 7470 Mercury
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3615683 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	04/18/22 12:42	

LABORATORY CONTROL SAMPLE: 3615684

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3615685 3615686

Parameter	Units	3615685		3615686		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	ND	0.0025	0.0024	0.0037	96	148	75-125	42	20	M1,R1

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92597519

QC Batch: 809654	Analysis Method: SM 2320B
QC Batch Method: SM 2320B	Analysis Description: 2320B Alkalinity
	Laboratory: Pace Analytical Services - Minneapolis

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 4296151 Matrix: Water
 Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Alkalinity, Total as CaCO3	mg/L	ND	5.0	1.8	04/16/22 10:19	
Alkalinity,Bicarbonate (CaCO3)	mg/L	ND	5.0	1.8	04/16/22 10:19	
Alkalinity,Carbonate (CaCO3)	mg/L	ND	5.0	1.8	04/16/22 10:19	

LABORATORY CONTROL SAMPLE & LCSD: 4296152 4296153

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Alkalinity, Total as CaCO3	mg/L	40	43.4	43.2	109	108	90-110	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4296154 4296155

Parameter	Units	10603644007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	596	40	40	638	638	104	104	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4296156 4296157

Parameter	Units	10604355001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Alkalinity, Total as CaCO3	mg/L	27.3	40	40	67.8	68.0	101	102	80-120	0	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

QC Batch: 690113	Analysis Method: EPA 300.0 Rev 2.1 1993
QC Batch Method: EPA 300.0 Rev 2.1 1993	Analysis Description: 300.0 IC Anions
	Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92597519001, 92597519002

METHOD BLANK: 3606393 Matrix: Water

Associated Lab Samples: 92597519001, 92597519002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/08/22 00:47	
Fluoride	mg/L	ND	0.10	0.050	04/08/22 00:47	
Sulfate	mg/L	ND	1.0	0.50	04/08/22 00:47	

LABORATORY CONTROL SAMPLE: 3606394

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.7	99	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	48.8	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606395 3606396

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596921010	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	12.7	50	50	64.6	64.6	104	104	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	3.0	3.0	117	117	90-110	0	10	M1	
Sulfate	mg/L	84.8	50	50	128	124	86	79	90-110	3	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3606397 3606398

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92596921017	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	ND	50	50	50.3	51.0	100	102	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.6	101	102	90-110	2	10		
Sulfate	mg/L	ND	50	50	49.5	50.4	99	101	90-110	2	10		

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QUALIFIERS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

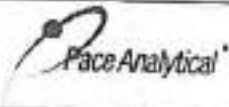
Project: BOWEN LF CELLS 3&4

Pace Project No.: 92597519

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92597519001	GWA-36A				
92597519001	GWA-36A	EPA 3010A	690039	EPA 6010D	690107
92597519002	FB-1	EPA 3010A	690039	EPA 6010D	690107
92597519001	GWA-36A	EPA 3005A	690695	EPA 6020B	690794
92597519002	FB-1	EPA 3005A	690695	EPA 6020B	690794
92597519001	GWA-36A	EPA 7470A	691983	EPA 7470A	692272
92597519002	FB-1	EPA 7470A	691983	EPA 7470A	692272
92597519001	GWA-36A	SM 2320B	809654		
92597519002	FB-1	SM 2320B	809654		
92597519001	GWA-36A	SM 2540C-2011	689939		
92597519002	FB-1	SM 2540C-2011	689939		
92597519001	GWA-36A	EPA 300.0 Rev 2.1 1993	690113		
92597519002	FB-1	EPA 300.0 Rev 2.1 1993	690113		

REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: November 15, 2021
	Document No.: F-CAR-CS-033-Rev.08	Page 1 of 2 Issuing Authority: Pace Carolinas Quality Office


Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name: G A Power

Project #: **WO# : 92597519**



Courier: Commercial Fed Ex Pace UPS USPS Other: Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 4/6/22
COH

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Thermometer: In Gun ID: 083 Type of Ice: Wet Blue None

Yes No N/A

Cooler Temp: 3.0 Correction Factor: Add/Subtract (°C) +0.2

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.2

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix: <u>W</u>			
Headspace in VOA Vials (>5.6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

CLIENT NOTIFICATION/RESOLUTION

Lot ID of split containers:

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
 Sample Condition Upon Receipt (SCUR)
 Document No.:
 F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92597519

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water) DOC, LHg

PN: NMG

Due Date: 04/20/22

**Bottom half of box is to list number of bottles

CLIENT: GA-GA Power

Item #	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (C-)													
BP3U-250 mL Plastic Unpreserved (N/A)		2	1										
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)													
BP3N-250 mL plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)													
BP4B-125 mL Plastic NaOH (pH > 12) (C-)													
WG7U-Wide-mouthed Glass Jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (C-)													
AG1M-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (C-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(C-)													
DG9H-40 mL VOA HCl (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG3P-40 mL VOA H3PO4 (N/A)													
VD8K (3 vials per kit)-5035 kit (N/A)													
V/GK (3 vials per kit)-VPH/Gas kit (N/A)													
SP5T-125 mL Sterile Plastic (N/A - lab)													
SP2T-250 mL Sterile Plastic (N/A - lab)													
BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)													
AG6U-100 mL Amber Unpreserved vials (N/A)													
VS6U-20 mL Sealing vials (N/A)													
DG9U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



May 04, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LANDFILL
Pace Project No.: 92601912

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on April 29, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Michelle Barker, WOOD E&I
Kristen Jurinko
Ms. Lauren Petty, Southern Company
Rhonda Quinn, WOOD E&I
Greg Wrenn, WOOD E&I



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LANDFILL
Pace Project No.: 92601912

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804
Florida/NELAP Certification #: E87648
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030
South Carolina Certification #: 99030001
Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092
Florida DOH Certification #: E87315
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381
South Carolina Certification #: 98011001

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SAMPLE SUMMARY

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92601912001	GWC-5	Water	04/28/22 10:52	04/29/22 10:15
92601912002	GWC-12	Water	04/28/22 12:05	04/29/22 10:15
92601912003	GWC-48	Water	04/28/22 10:45	04/29/22 10:15
92601912004	FB-1	Water	04/28/22 12:40	04/29/22 10:15

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SAMPLE ANALYTE COUNT

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92601912001	GWC-5	EPA 6020B	CW1	1
92601912002	GWC-12	EPA 6020B	CW1	1
92601912003	GWC-48	EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1
92601912004	FB-1	EPA 6020B	CW1	2
		EPA 7470A	VB	1
		EPA 300.0 Rev 2.1 1993	JCM	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92601912001	GWC-5					
	Performed by	CUSTOME			04/29/22 15:15	
		R				
	pH	5.78	Std. Units		04/29/22 15:15	
EPA 6020B	Beryllium	0.00078	mg/L	0.00050	05/03/22 16:17	
92601912002	GWC-12					
	Performed by	CUSTOME			04/29/22 15:15	
		R				
	pH	6.33	Std. Units		04/29/22 15:15	
EPA 6020B	Cadmium	0.00067	mg/L	0.00050	05/03/22 16:23	
92601912003	GWC-48					
	Performed by	CUSTOME			04/29/22 15:15	
		R				
	pH	5.00	Std. Units		04/29/22 15:15	
EPA 7470A	Mercury	0.00040	mg/L	0.00020	05/03/22 13:09	
EPA 300.0 Rev 2.1 1993	Chloride	5.0	mg/L	1.0	04/30/22 14:13	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: GWC-5 **Lab ID: 92601912001** Collected: 04/28/22 10:52 Received: 04/29/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		04/29/22 15:15		
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pH	5.78	Std. Units			1		04/29/22 15:15		
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6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Beryllium	0.00078	mg/L	0.00050	0.000054	1	05/03/22 10:14	05/03/22 16:17	7440-41-7	
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ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: GWC-12 **Lab ID: 92601912002** Collected: 04/28/22 12:05 Received: 04/29/22 10:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----------------	-----	----	----------	----------	---------	------

Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	CUSTOMER				1		04/29/22 15:15		
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pH	6.33	Std. Units			1		04/29/22 15:15		
----	-------------	------------	--	--	---	--	----------------	--	--

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Cadmium	0.00067	mg/L	0.00050	0.00011	1	05/03/22 10:14	05/03/22 16:23	7440-43-9	
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ANALYTICAL RESULTS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Sample: GWC-48		Lab ID: 92601912003		Collected: 04/28/22 10:45	Received: 04/29/22 10:15	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		04/29/22 15:15		
pH	5.00	Std. Units			1		04/29/22 15:15		
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	0.00040	mg/L	0.00020	0.00013	1	05/03/22 08:00	05/03/22 13:09	7439-97-6	
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.0	mg/L	1.0	0.60	1		04/30/22 14:13	16887-00-6	

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ANALYTICAL RESULTS

Project: BOWEN LANDFILL
 Pace Project No.: 92601912

Sample: FB-1		Lab ID: 92601912004		Collected: 04/28/22 12:40	Received: 04/29/22 10:15	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Beryllium	ND	mg/L	0.00050	0.000054	1	05/03/22 10:14	05/03/22 16:29	7440-41-7		
Cadmium	ND	mg/L	0.00050	0.00011	1	05/03/22 10:14	05/03/22 16:29	7440-43-9		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	05/03/22 08:00	05/03/22 13:11	7439-97-6		
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		04/30/22 14:27	16887-00-6		

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QUALITY CONTROL DATA

Project: BOWEN LANDFILL
 Pace Project No.: 92601912

QC Batch: 695563 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92601912001, 92601912002, 92601912004

METHOD BLANK: 3632873 Matrix: Water
 Associated Lab Samples: 92601912001, 92601912002, 92601912004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Beryllium	mg/L	ND	0.00050	0.000054	05/03/22 14:49	
Cadmium	mg/L	ND	0.00050	0.00011	05/03/22 14:49	

LABORATORY CONTROL SAMPLE: 3632874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Beryllium	mg/L	0.1	0.10	101	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3632875 3632876

Parameter	Units	92595615001		3632876		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Beryllium	mg/L	0.063J ug/L	0.1	0.1	0.10	0.10	101	102	75-125	0	20
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	101	106	75-125	5	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: BOWEN LANDFILL
 Pace Project No.: 92601912

QC Batch: 695457 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92601912003, 92601912004

METHOD BLANK: 3632603 Matrix: Water

Associated Lab Samples: 92601912003, 92601912004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	05/03/22 12:16	

LABORATORY CONTROL SAMPLE: 3632604

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0024	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3632605 3632606

Parameter	Units	3632605		3632606		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Mercury	mg/L	92600073002 ND	0.0025	0.0025	0.00099	0.00089	39	35	75-125	10	20 M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: BOWEN LANDFILL
 Pace Project No.: 92601912

QC Batch: 695206 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92601912003, 92601912004

METHOD BLANK: 3631421 Matrix: Water

Associated Lab Samples: 92601912003, 92601912004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/30/22 13:45	

LABORATORY CONTROL SAMPLE: 3631422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3631423 3631424

Parameter	Units	92601535009		3631424		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	92.1	50	50	123	123	63	61	90-110	1	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3631425 3631426

Parameter	Units	92601782003		3631426		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	1.7	50	50	53.9	54.7	104	106	90-110	1	10

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BOWEN LANDFILL

Pace Project No.: 92601912

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LANDFILL

Pace Project No.: 92601912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92601912001	GWC-5				
92601912002	GWC-12				
92601912003	GWC-48				
92601912001	GWC-5	EPA 3005A	695563	EPA 6020B	695646
92601912002	GWC-12	EPA 3005A	695563	EPA 6020B	695646
92601912004	FB-1	EPA 3005A	695563	EPA 6020B	695646
92601912003	GWC-48	EPA 7470A	695457	EPA 7470A	695609
92601912004	FB-1	EPA 7470A	695457	EPA 7470A	695609
92601912003	GWC-48	EPA 300.0 Rev 2.1 1993	695206		
92601912004	FB-1	EPA 300.0 Rev 2.1 1993	695206		

REPORT OF LABORATORY ANALYSIS

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	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: November 15, 2021 Page 1 of 2
	Document No.: F-CAR-CS-033-Rev.08	Issuing Authority: Pace Carolinas Quality Office

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

GA Power

Project #:

WO#: 92601912



Courier: Commercial Fed Ex Pace UPS USPS Other Client

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: *4/29/22*
CS

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: *214* Type of Ice: Wet Blue None

Cooler Temp: *3.3* Correction Factor: Add/Subtract (°C) *+0.1*

Temp should be above freezing to 6°C
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): *3.4*

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Comments/Discrepancy:

Chain of Custody Present?	Yes	No	N/A	1	
Chain of Custody Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3	
Rush Turn Around Time Requested?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	
Sufficient Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	
Correct Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6	
-Pace Containers Used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Containers Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8	
Sample Labels Match COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	
-Includes Date/Time/ID/Analysis Matrix:					<i>W</i>
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10	
Trip Blank Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	11	
Trip Blank Custody Seals Present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



Document Name:
Sample Condition Upon Receipt (SCUR)
 Document No.
F-CAR-CS-033-Rev.08

Document Revised: November 15, 2021
 Page 2 of 2
 Issuing Authority:
 Pace Carolinas Quality Office

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRD/8015 (water) DOC, LLHG

**Bottom half of box is to list number of bottles

Project #

WO# : 92601912

PM: NMG

Due Date: 05/06/22

CLIENT: GA-GA Power

Item#	Item Description	1	2	3	4	5	6	7	8	9	10	11	12
BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)													
BP3U-250 mL Plastic Unpreserved (N/A)													
BP2U-500 mL Plastic Unpreserved (N/A)													
BP1U-1 liter Plastic Unpreserved (N/A)													
BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)													
BP3S-250 mL plastic HNO3 (pH < 2)													
BP4Z-125 mL Plastic Zn Acetate & NaOH (pH > 12) (Cl-)													
BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)													
WQFU-Wide-mouthed Glass jar Unpreserved													
AG1U-1 liter Amber Unpreserved (N/A) (Cl-)													
AG1H-1 liter Amber HCl (pH < 2)													
AG3U-250 mL Amber Unpreserved (N/A) (Cl-)													
AG1S-1 liter Amber H2SO4 (pH < 2)													
AG3S-250 mL Amber H2SO4 (pH < 2)													
AG3A(DG3A)-250 mL Amber H4Cl (N/A)(Cl-)													
DG9H-40 mL VOA HI (N/A)													
VG9T-40 mL VOA Na2S2O3 (N/A)													
VG9U-40 mL VOA Unpreserved (N/A)													
DG9P-40 mL VOA H3PO4 (N/A)													
VOAK (3 vials per kit)-5035 kit (N/A)													
V/GAK (3 vials per kit)-VPH/GAK kit (N/A)													
SP5T-125 mL Sterile Plastic (N/A - lab)													
SP2T-250 mL Sterile Plastic (N/A - lab)													
BP3A-250 mL Plastic (NH2)2SO4 (S-3-9-7)													
AGDU-100 mL Amber Unpreserved vials (N/A)													
VSGU-20 mL Scintillation vials (N/A)													
DO9U-40 mL Amber Unpreserved vials (N/A)													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHHS Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



**ALTERNATE SOURCE DEMONSTRATION FOR
SULFATE AND TOTAL DISSOLVED SOLIDS
AUGUST 2022 SEMI-ANNUAL EVENT**

Plant Bowen

Cells 1 & 2

Cells 3 & 4

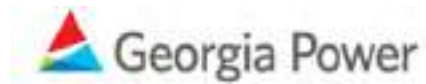
Cells 9 & 10

Solid Waste Disposal Facility

Permit No. 008-018D (CCR)

May 1, 2023

Prepared for:



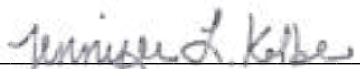
Prepared by:

Stantec Consulting Services Inc.
10745 Westside Way, Suite 250
Alpharetta, Georgia 30009-7640

**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

CERTIFICATION STATEMENT

This Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10) by a qualified groundwater scientist with Stantec Consulting Services Inc. References to the appropriate Georgia Solid Waste Management 391-3-4 Rules are incorporated throughout this document.



Jennifer Kolbe, Ph.D., P.E.
Registered Professional Engineer
Professional Engineer No. PE034643



May 1, 2023
Date

PROFESSIONAL GROUNDWATER SCIENTIST CERTIFICATION

I certify that I am a qualified groundwater scientist as demonstrated by Georgia state registered professional geologist certification. I have sufficient training and experience in groundwater hydrology and related fields to make sound professional judgments regarding groundwater monitoring and contaminant fate and transport. I further certify that this Alternate Source Demonstration was completed in accordance with Georgia Environmental Protection Division's Solid Waste Rules (Chapter 391-3-4-.10)


Josh Massey, P.G.
Registered Professional Geologist
Georgia Registration No. 002187



May 1, 2023
Date



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Acronyms / Abbreviations

ASD	Alternate Source Demonstration
CCR	Coal Combustion Residual
CCR Rule	Title 40 Code of Federal Regulations 257 Subpart D
CFR	Code of Federal Regulations
D&O	Design & Operation
GA EPD	Georgia Environmental Protection Division
GPC	Georgia Power Company
mg/L	milligrams per liter
Site	Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10
SSI	Statistically Significant Increase
TDS	total dissolved solids
USEPA	United States Environmental Protection Agency



1 Introduction

1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant increases (SSIs) of sulfate and total dissolved solids (TDS) detected in compliance well GWC-23R located at Georgia Power Company's (Georgia Power) Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. These SSIs were identified based on statistical evaluation of the groundwater quality data set through August 2022 and reported in the 2022 Annual Groundwater Monitoring & Corrective Action Report, Georgia Power Company Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10, dated January 31, 2023 (2022 Annual Report; Stantec, 2022).

This ASD has been prepared pursuant to Title 40 Code of Federal Regulations (CFR) 257.94(e)(2) as adopted in Rule 391-3-4-.10(6) of the Georgia Environmental Protection Division (GA EPD) Solid Waste Rules (Chapter 391-3-4-.10), which states that "the owner or operator may demonstrate that a source other than the unit caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality." This language is consistent with the requirements of the United States Environmental Protection Agency (USEPA) coal combustion residual (CCR) rule [Title 40 CFR 257 Subpart D] (CCR Rule) stipulated in 40 CFR 257.94(e)(2), which has been incorporated by reference into the GA EPD Rules for Solid Waste Management Rule 391-3-4-.10(23)(c) of the Georgia Administrative Code. The Georgia Power Plant Bowen solid waste disposal facility (Site) is operated in accordance with GA EPD Solid Waste Permit No. 008-018D (CCR).

1.2 Site Description and Background

The Site is located in south Bartow County, Georgia, off State Highway 113, approximately seven miles west-southwest of Cartersville and 20 miles southeast of Rome (Figure 1). The Site is approximately 300 acres in size and located on previously undeveloped land contiguous with the plant property. The Site receives coal combustion by-products from coal-burning and flue gas desulfurization processes. The landfill cells were constructed in accordance with Solid Waste Permit No. 008-018D (LI) and approved under CCR permit No. 008-018D (CCR). The landfill is constructed with a minimum of 15 feet of compacted structural fill below base grades and a groundwater separation requirement of 15 feet from bottom of waste per site limitation 9. The liner includes 2 feet of compacted fill with 10⁻⁷K, a 60mil HPDE liner, and a leachate collection system.

Groundwater monitoring is conducted in accordance with the permit requirements specified in the Design and Operation Plan and in accordance with the USEPA CCR Rule, which was adopted by GA EPD in November 2016, and the GA EPD Rules for Solid Waste Management 391-3-4-.10. This includes semi-annual groundwater sampling and continuous groundwater level measurements at the Site. The Site is currently in detection monitoring. The locations of the detection wells included in the groundwater monitoring system are presented on Figure 2.



1.3 Site Geology and Hydrogeologic Setting

The lithologies present in the landfill area of Plant Bowen from the ground surface to depth are terrace deposits, a residuum clay overburden, dolomite, and limestone bedrock, as described in the Hydrogeologic Report and Groundwater Monitoring Plan (Southern Company Services [SCS] 2006). The Knox Group (dolomite and limestone bedrock) produces a characteristic orange to red clayey residuum (overburden) that ranges in thickness from 19 to 127 feet across the Site and often contains weathered chert and dolomite fragments. Silt and clay with some gravel and sand (terrace deposits) overlay the clayey residuum in some areas but are not continuous across the landfill area of Plant Bowen.

Two main hydrostratigraphic layers (water-bearing zones) are present at the Site: overburden (residuum clay), and bedrock (dolomite and limestone) – both units comprise the uppermost aquifer for groundwater monitoring purposes. The uppermost aquifer is unconfined. Overburden materials are heterogeneous ranging in composition from well-graded gravely sand to fat clay. Bedrock underlying the Site (officially mapped as Knox undifferentiated) is a carbonate bedrock. Karst features within the underlying carbonate bedrock are predominately formed along initial discontinuities including joints, fissures (slots), fractures, and bedding planes or other linear features. These karst features may be partially or completely filled with soft unconsolidated sediments or may be empty or filled with water. The top of the karst features is usually identified as having a thin zone of weathered carbonate bedrock.



2 Alternate Source Demonstration

Stantec Consulting Services Inc. evaluated the SSIs of sulfate and TDS identified at monitoring well GWC-23R based on statistical analyses of the August 2022 semi-annual groundwater monitoring data and resampling data in November 2022. The statistical analysis of the August 2022 data was performed in accordance with the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009).

Sulfate and Total Dissolved Solids ASD

Upgradient well GWA-56 and downgradient well GWC-23R are screened in dolomite bedrock of the Knox Group based on a review of available boring logs for each well (Appendix B). Sulfate and TDS were detected in well GWC-23R at initial concentrations of 143 milligrams per liter (mg/L) and 586 mg/L, respectively, in August 2022. Reported analytical results for sulfate and TDS concentrations for the resampling event conducted in November 2022 were 137 mg/L and 573 mg/L, respectively (Table 1). Based on review of available Site data, the SSIs reported for sulfate and TDS at well GWC-23R are not associated with a release from the Site and are due to natural variations in background water quality based on the following supporting information explained in detail below:

- Typical CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are historically not detected or detected in very low concentrations in well GWC-23R.
- An evaluation of site groundwater geochemistry demonstrates similarity of water quality between GWC-23R and upgradient wells, specifically GWA-56.
- Decreasing concentrations of water levels contrast with increasing sulfate and TDS concentrations in GWC-23R since 2020. Concentrations for sulfate and TDS decreased over the last 2 sampling events.
- Statistical evaluation of the most current groundwater data set that includes the February 2023 detection monitoring event does not identify an SSI of sulfate at GWC-23R.

Lack of Indicator Appendix III Parameters Boron, Chloride, Fluoride, pH:

Typical CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are historically not detected or detected in very low concentrations in well GWC-23R.

- Most notably, the mobile and sensitive CCR indicator, boron, has not been detected above the laboratory reporting limit (0.04 mg/L) in GWC-23R based on sampling data collected between 2016 to 2022.
- Background range of chloride since 2016 in Cell 3 & 4 upgradient rock wells (GWA-36R, GWA-51RZ, GWA-53R, GWA-55R and GWA-56) is 2.2 mg/L to 8.4 mg/L for Cells 3 and 4. Chloride in GWC-23R has been detected at lower concentrations than the upgradient rock well background concentrations, ranging from 1.3 mg/L to 2.4 mg/L, since 2016.
- Fluoride has not been detected above the laboratory reporting limit (0.1 mg/L) in GWC-23R based on sampling data collected between 2016 to 2022.



**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
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Background range of pH in Cell 3 & 4 upgradient rock wells (GWA-36R, GWA-51RZ, GWA-53R, GWA-55R and GWA-56) is 7.01 to 8.34. pH in GWC-23R has ranged from 7.07 to 7.78 since 2016, which is within upgradient rock well background values. No CCR shifts in pH from background are noted.

Geochemical Characterization

Geochemical characterization of groundwater quality data displays little difference between upgradient wells, especially GWA-56, and downgradient well GWC-23R water quality, demonstrating the sulfate and TDS fluctuations are associated with natural variability in groundwater flow and not associated with a release from the landfill. A suite of cations and anions were sampled in January-February 2022 from the entire Site groundwater monitoring system and included in the 2022 Annual Monitoring and Corrective Action Report. Laboratory analytical reports are provided in Appendix A. Constituents released from CCR shift the relative and absolute abundances of cations and anions away from background conditions. These shifts become apparent as plots on Piper and Stiff diagrams. The plotted location of each cation or anion on a Piper diagram indicates its ionic composition. The size of each Stiff diagram corresponds to overall ionic strength, and the shape of the Stiff diagram reflects ratios of cations and anions. A CCR impact, characteristically, increases the ionic strength and shifts ratios away from background. Cation and anion distributions in groundwater from upgradient wells and GWC-23R are depicted on Piper and Stiff diagrams on Figures 3 and 4a/4b, respectively.

The Piper diagram on Figure 3 shows that there are four different water types displayed by the upgradient and downgradient groundwater data and that the types generally comingle. The first water type contains calcium- and magnesium-dominant cations with bicarbonate as the dominant anion and is indicative of average baseline water quality in upgradient wells GWA-52, GWA-54, GWA-36RA, GWA-51RZ, GWA-53, GWA-53R, GWA-55. The TDS results at these upgradient wells are similar. The second and third water types are found at upgradient locations GWA-37 and GWA-38, respectively. Dominant ions in GWA-37 are sodium and bicarbonate with a slight presence of chloride anion. GWA-38 contains potassium, chloride, and bicarbonate. Both GWA-37 and GWA-38 have very low TDS, which is indicative of water type with little influence from the soil and bedrock. The fourth water type is a dominant mixture of calcium, magnesium, and sodium with bicarbonate at GWA-56 and GWC-23R.

Stiff diagrams in Figures 4a and 4b generally support the water types derived from the Piper plots in Figure 3. Background water quality is generally consistent with typical carbonate dissolution reactions in natural water, where bicarbonate is the dominant ionic product of carbonic acid from meteoric water reacting with calcium/magnesium carbonate aquifer material at a pH in the range of 4-9 standard units (Fetter, pages 356-357). However, the sulfate concentration relative to background in upgradient well GWA-56 at 42.9 mg/L indicates that sulfate-rich water originated from carbonate aquifer materials containing evaporite salts of sodium, calcium, or magnesium upgradient from Cells 3 & 4 (United States Geological Survey Water Supply Paper 1619-FF, page FF24 1963). Downgradient well GWC-23R receives the same sulfate- and sodium-rich water type observed in GWA-56 as shown in groundwater flow direction from Figures 5 and 6.

Response to Water Level Changes

Decreasing concentrations of water levels contrast with increasing sulfate and TDS concentrations in GWC-23R since 2020. Plots of sulfate and TDS detections versus time in GWC-23R use analytical data from sampling events in 2016 to February 2023. Plot of sulfate versus time is shown in Figure 7 and plot



**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

of TDS versus time is shown in Figure 8. Groundwater elevations for GWC-23R are also shown in Figures 7 and 8.

Gauging events in March 2019 and February 2020 indicate increases in groundwater elevation for GWC-23R. After March 2020, the water level decreased 7.5 feet during the September 2020 gauging event resulting in an increase in sulfate (which affects TDS). Water level increases and stabilizes from December 2020 to July 2021, resulting in decreased sulfate. Groundwater level begins to decline in each well around July 2021. An increasing inverse trend in concentration of sulfate and TDS is noted in GWC-23R from June 2021 to November 2022. Recently, the February 2023 water level increased 3.55 feet resulting in a decline in sulfate and thus TDS. Evaluation of the February 2023 groundwater data set indicates the sulfate detection of 86.7 mg/L at GWC-23R is below the current prediction limit (124 mg/L).



3 Conclusions

The sulfate and TDS concentrations reported for well GWC-23R were verified as SSIs during the semi-annual groundwater detection monitoring event conducted in August 2022. This ASD demonstrates that the SSIs of sulfate and TDS at GWC-23 are attributed to natural variation, and not a release from Landfill Cells 3 & 4. Lines of evidence that supports the ASD conclusion include:

- Typical CCR Rule Appendix III indicator parameters boron, chloride, fluoride, and pH are historically not detected or detected in very low concentrations in well GWC-23R.
- Site groundwater geochemistry demonstrates similarity of water quality between GWC-23R and upgradient wells, specifically GWA-56.
- Decreasing concentrations of water levels contrast with increasing sulfate and TDS concentrations in GWC-23R since 2020. Concentrations for sulfate and TDS decreased over the last 2 sampling events.
- Statistical evaluation of the most current groundwater data set that includes the February 2023 detection monitoring event does not identify an SSI of sulfate at GWC-23R.

Based on the information presented in this ASD, groundwater monitoring at Plant Bowen Landfill Cells 1 & 2, 3 & 4, 9 & 10 will remain in detection monitoring.



4 References

Fetter, CW, 2001. Applied Hydrogeology, 4th Edition, Prentice-Hall, Incorporated, Upper Saddle River, New Jersey.

United States Environmental Protection Agency (US EPA), 2009. Unified Guidance, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities. USEPA 350/R-09/007 Office of Solid Waste Management Division, U.S. Environmental Protection Agency, Washington, D. C. March 2009.

United States Geological Survey 1963, Geology and Ground-Water Resources of Bartow County Georgia, Geologic Survey Water-Supply 1619-FF, 1963.

Southern Company Services, Inc. 2006. Plant Bowen Coal Combustion By-Product Disposal Facility-Hydrogeologic Report and Groundwater Monitoring Plan – Revision 1.

Stantec Consulting Services Inc. (Stantec), 2022. August 2022 Annual Groundwater Monitoring & Corrective Action Report, Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10. Published January 31, 2023.



**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

TABLE



TABLE 1
Summary of August 2022 Statistical Exceedances
Not Previously Addressed in An ASD

Georgia Power Company - Plant Bowen
Landfill Cells 1&2, 3&4, and 9&10
Bartow County, Georgia

Cell	Well	Parameter	SSI During Previous Monitoring Event (January 2022)	Initial Exceedance Concentration (August 2022)(mg/L)	Resample Exceedance Concentration (November 2022)(mg/L)	Prediction Limit (mg/L)	Initial Exceedance SSI
Cell 3 & 4	GWC-23R	Sulfate	No	143	137	124	Yes
Cell 3 & 4	GWC-23R	Total Dissolved Solids	No	586	573	480.8	Yes

Notes:

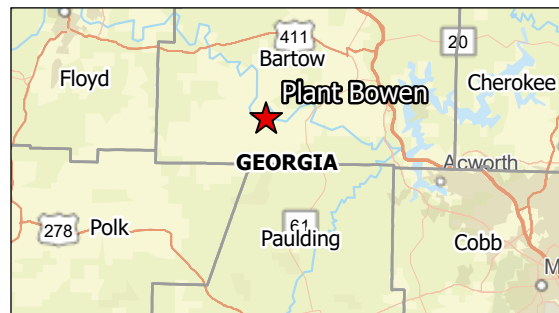
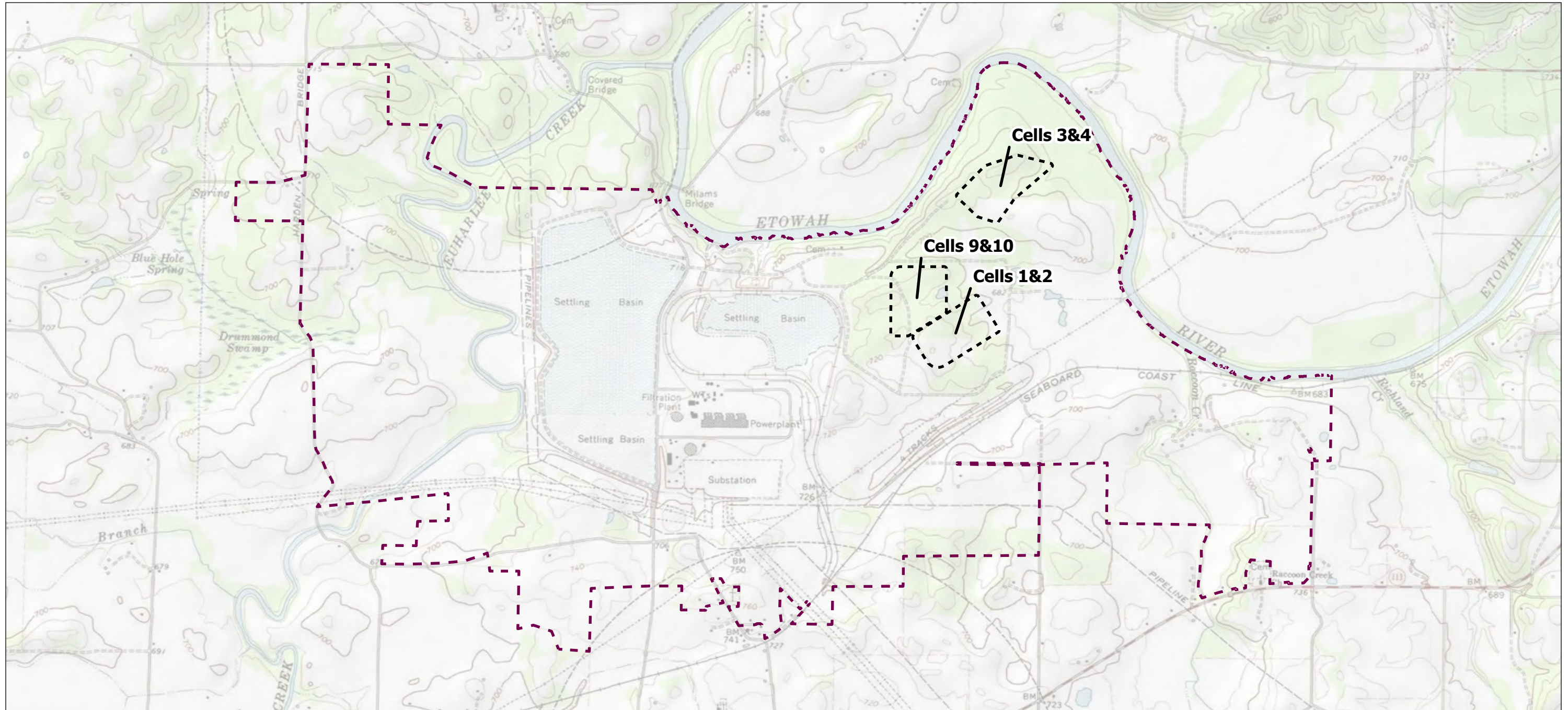
ASD - Alternate Source Demonstration

SSI - Statistically Significant Increase

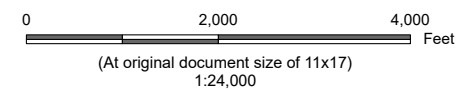
mg/L - milligrams per liter

FIGURES





- Legend**
- Approximate Plant Boundary
 - Approximate Landfill Cell Boundary (Site)



Project Location
Euharlee, Georgia

Prepared by DMB on 9/28/2022
TR by MP on 9/28/2022
IR by MD on 9/28/2022

Client/Project
Georgia Power
Alternate Source Demonstration for Total Dissolved Solids
and Sulfate - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

1

Title

Site Location Map

Notes

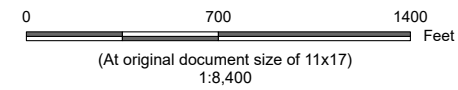
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Site and Landfill Boundaries provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Background: Copyright © 2013 National Geographic Society, i-cubed, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS



Notes
 1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
 2. Data Sources: Landfill Boundaries, Site Boundary, and Monitoring Well locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
 3. Plant imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS

- Legend**
- Detection Monitoring Well (Overburden)
 - Water Level Piezometer (Overburden)
 - Detection Monitoring Well (Bedrock)
 - Water Level Piezometer (Bedrock)
 - Ephemeral Spring Location
 - Detection Monitoring Well (Subject of ASD)
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)

GWA-36 abandoned 3/15/2022.
 GWA-4 abandoned 3/14/2022.
 GWA-36A installed 3/18/2022.
 GWA-51RZ abandoned 12/2022.
 GWA-52 abandoned 12/2022.
 GWA-53 abandoned 12/2022.
 GWA-53R abandoned 12/2022.
 GWA-54 abandoned 12/2022.
 GWA-55 abandoned 12/2022.
 GWA-55R abandoned 12/2022.
 GWA-56 abandoned 12/2022.



Project Location
 Euharlee, Georgia

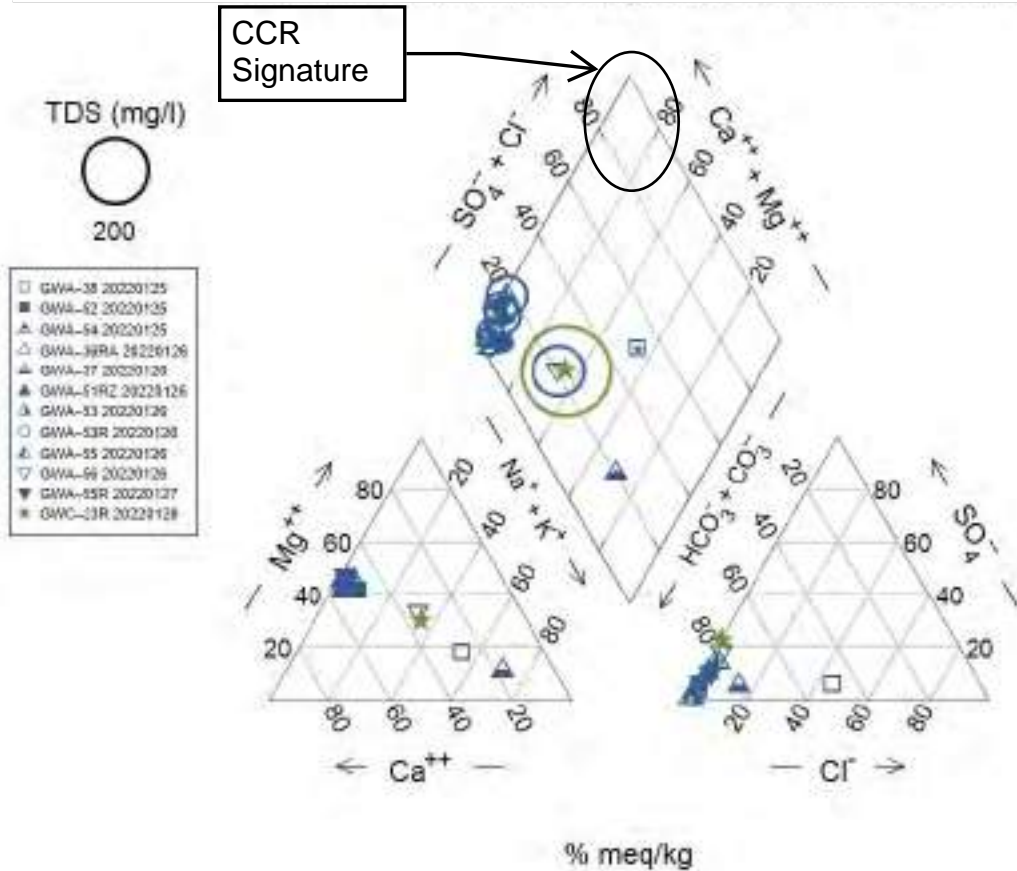
Prepared by DMB on 4/4/2023
 TR by BS on 4/4/2023
 IR by MD on 4/4/2023

Client/Project
 Georgia Power
 Alternate Source Demonstration for Sulfate and Total Dissolved Solids – Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
 2

Title
 Detection Monitoring System

Bowen Cells 3 & 4 Upgradient and GWC 23R



Notes

1. % meq/kg - Percent milliequivalent per kilogram
2. Ca⁺⁺ - Calcium
3. Cl⁻ - Chloride
4. CO₃⁻ - Carbonate
5. HCO₃⁻ - Bicarbonate
6. K⁺ - Potassium
7. Mg⁺⁺ - Magnesium
8. Na⁺ - Sodium
9. SO₄⁻ - Sulfate

Legend

- Upgradient Cells 3 & 4 Wells
- GWC-23R
- Total Dissolved Solids (TDS)

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location
Euharlee, Georgia

Prepared by DMB on 2023-02-16
TR by BS on 2023-02-16
IR Review by RB on 2023-02-16

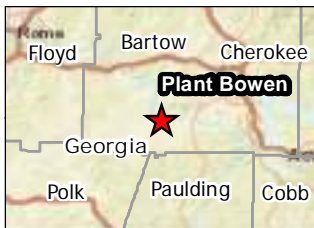
Client/Project
Georgia Power
Alternate Source Demonstration for Sulfate and Total
Dissolved Solids, August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

172678190

Figure No.
3

Title
Piper Diagram

Upgradient Wells



Notes

1. % meq/kg - Percent milliequivalent per kilogram
2. Ca⁺⁺ - Calcium
3. Cl⁻ - Chloride
4. CO₃⁻ - Carbonate
5. HCO₃⁻ - Bicarbonate
6. K⁺ - Potassium
7. Mg⁺⁺ - Magnesium
8. Na⁺ - Sodium
9. SO₄⁻ - Sulfate

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



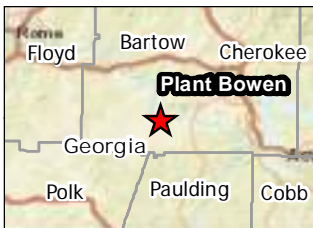
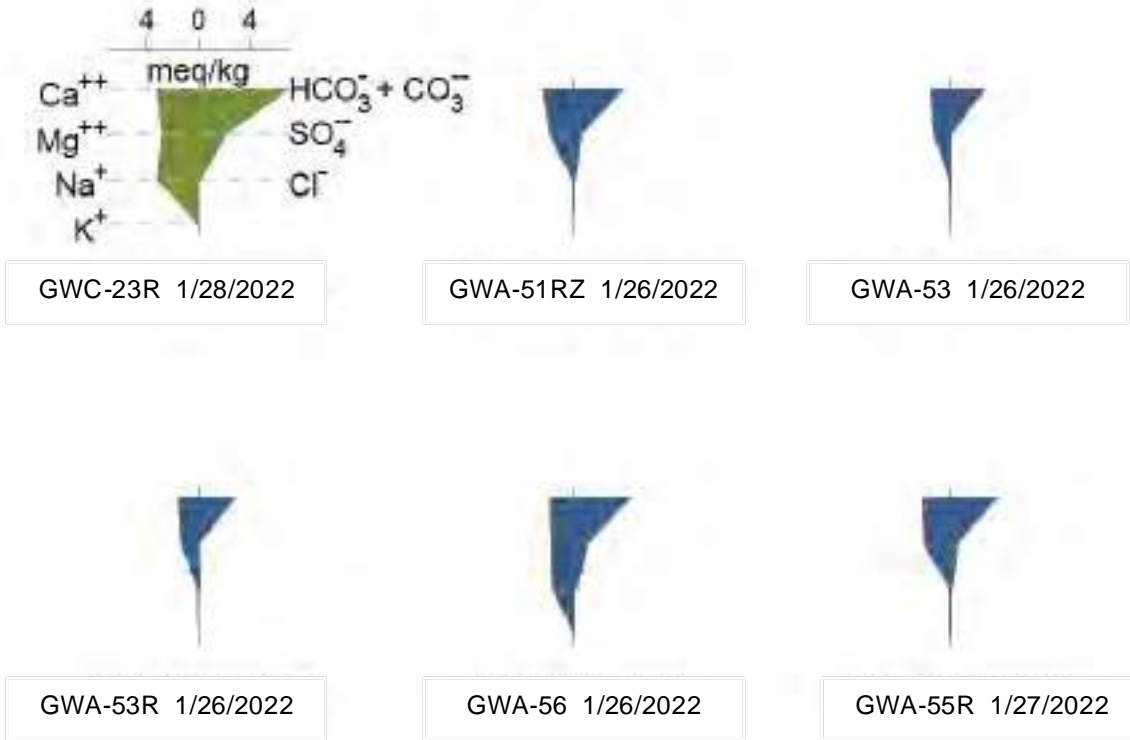
Project Location: Euharlee, Georgia
 Prepared by DMB on 2023-02-16
 TR by BS on 2023-02-16
 IR Review by RB on 2023-02-16

Client/Project: Georgia Power
 172678190
 Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
 4a

Title
 Stiff Diagrams - Upgradient Wells

Upgradient Wells and GWC-23R



Notes

1. % meq/kg - Percent milliequivalent per kilogram
2. Ca⁺⁺ - Calcium
3. Cl⁻ - Chloride
4. CO₃⁻ - Carbonate
5. HCO₃⁻ - Bicarbonate
6. K⁺ - Potassium
7. Mg⁺⁺ - Magnesium
8. Na⁺ - Sodium
9. SO₄⁻ - Sulfate

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location
Euharlee, Georgia

Prepared by DMB on 2023-02-16
TR by BS on 2023-02-16
IR Review by RB on 2023-02-16

Client/Proje

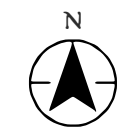
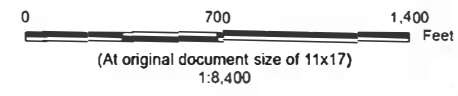
Georgia Power
Alternate Source Demonstration for Sulfate and Total
Dissolved Solids, August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
4b

Title
**Stiff Diagrams - Upgradient Wells
& GWC-23R**



- Legend**
- Detection Monitoring Well (Overburden)
 - Water Level Piezometer (Overburden)
 - Potentiometric Surface Contour Aug 2022 (feet (ft) NAVD88)
 - Interpreted Groundwater Flow Direction
 - Approximate Site Boundary
 - Landfill Cell Boundary (Approximate)



Project Location
Euharlee, Georgia

Client/Project
Georgia Power
Alternate Source Demonstration for Total Dissolved Solids and Sulfate - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
5

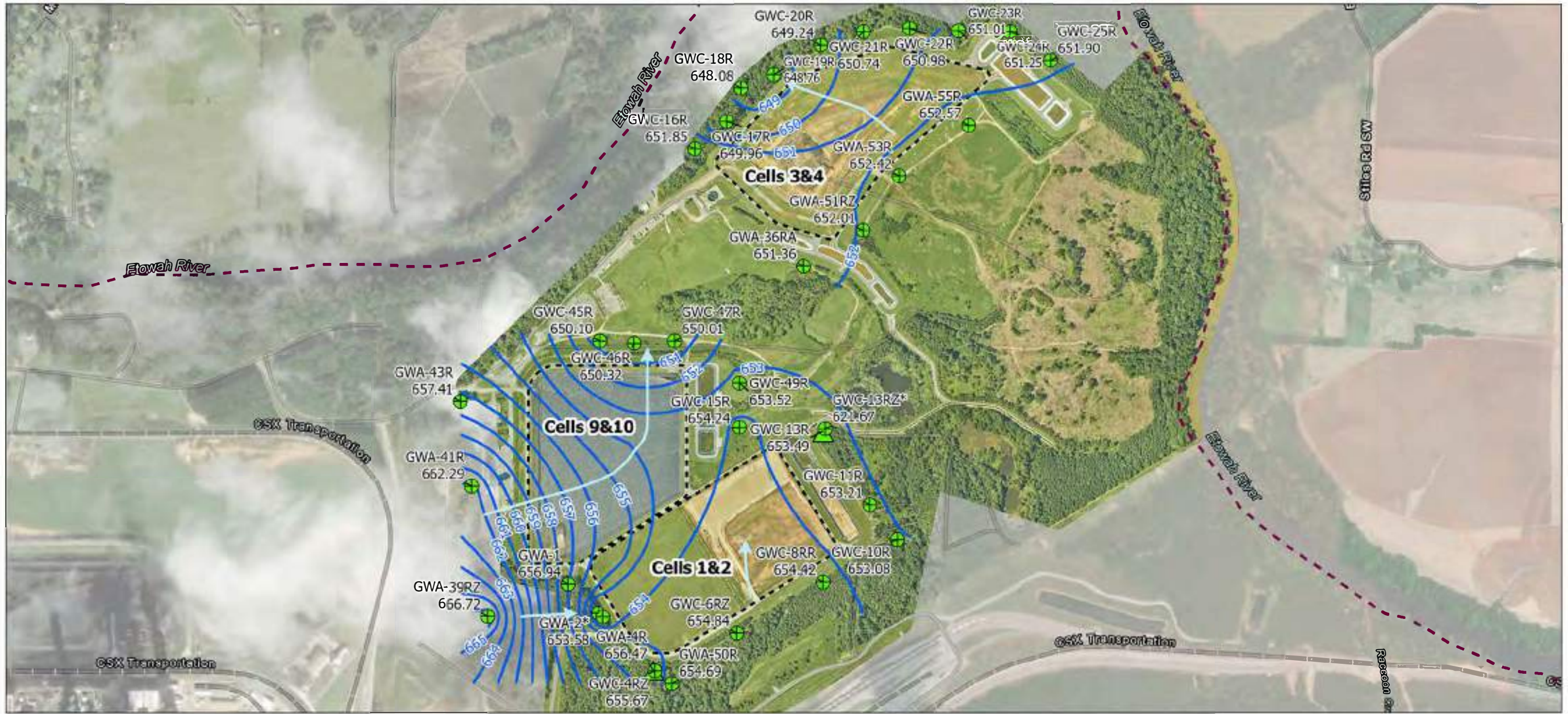
Title
**Potentiometric Surface -
Overburden Wells August 2022**

*Prepared by CA on 1/19/2023
TR by MP on 1/19/2023
IR by MD on 1/19/2023*

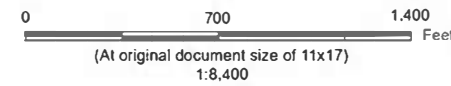
172678190

669.35 Groundwater Elevation (ft NAVD88)
* Indicates groundwater elevation in wells GWA-3A and GWA-38 were not used in contouring.

Notes
1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant Imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, MET/NASA, USGS, EPA, NPS, US Census Bureau, USDA. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, MET/NASA, USGS, EPA, NPS



- Legend**
- ⊕ Detection Monitoring Well (Bedrock)
 - ▲ Water Level Piezometer (Bedrock)
 - Potentiometric Surface Contour Aug 2022 (feet (ft) NAVD88)
 - Interpreted Groundwater Flow Direction
 - - - Approximate Site Boundary
 - - - Landfill Cell Boundary (Approximate)



NOTES

1. Coordinate System: NAD 1983 StatePlane Georgia West FIPS 1002 Feet
2. Data Sources: Landfill Boundaries, Site Boundary, Monitoring Well, Flow Arrow, and Contour locations provided by Southern Company Services and Wood Environment & Infrastructure Solutions
3. Plant Imagery provided by client. Supplemental Background: Esri Community Maps Contributors, © OpenStreetMap, Microsoft, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc. MET/NASA, USGS, EPA, NPS, US Census Bureau, USDA. Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community, Esri, HERE, Garmin, SafeGraph, FAO, MET/NASA, USGS, EPA, NPS

668.54 Groundwater Elevation (ft NAVD88)
 * Indicates groundwater elevation in well GWC-13RZ was not used in contouring.

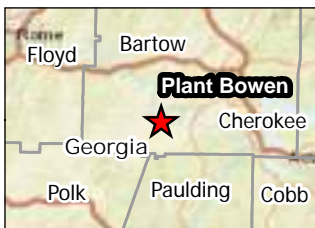
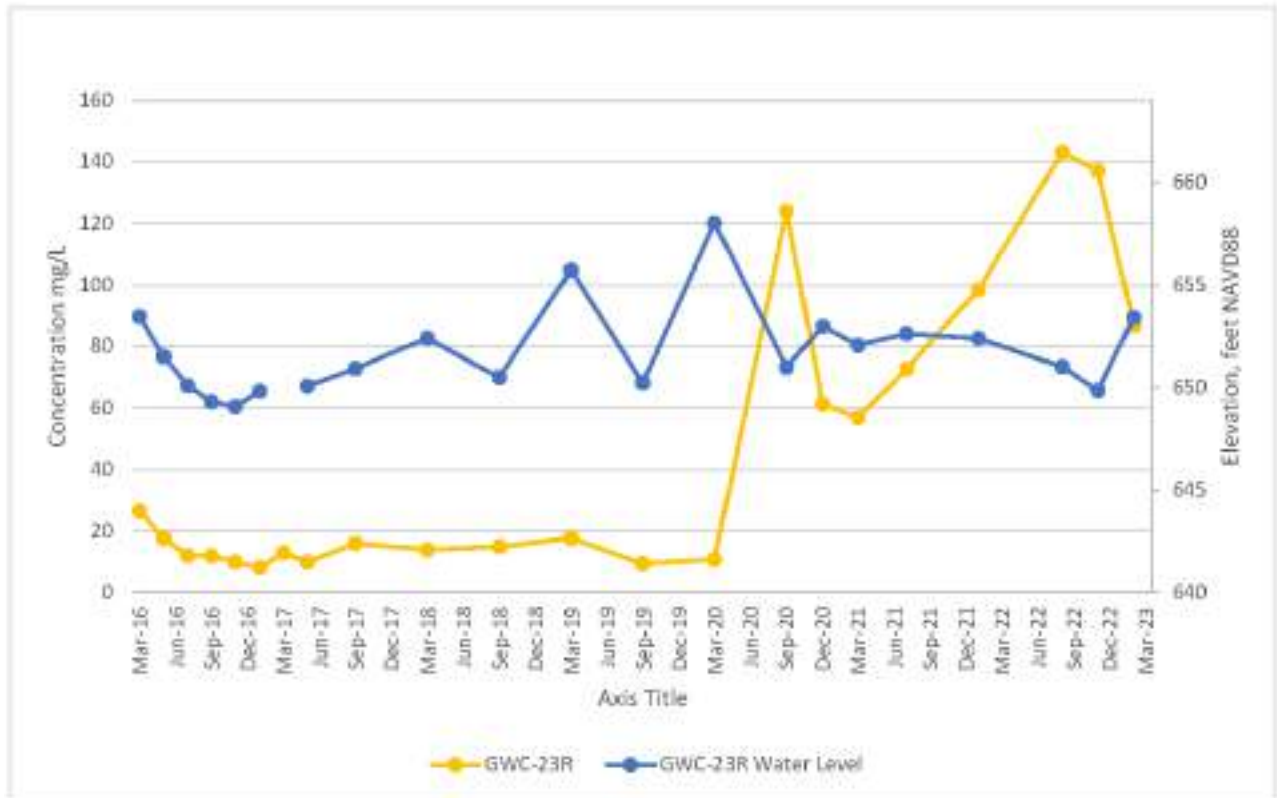
Project Location
Euharlee, Georgia

Client/Project
Georgia Power
Alternate Source Demonstration for Total Dissolved Solids and Sulfate - Plant Bowen Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.
6

Title
Potentiometric Surface - Bedrock Wells August 2022

Prepared by CA on 1/19/2023
TR by MP on 1/19/2023
IR by MD on 1/19/2023
172678190



Notes

- 1. mg/L - milligrams per liter
- 2. GWA-56 abandoned 12/2022

Notes

- 1. Coordinate System:
- 2. Data Sources:
- 3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location: Euharlee, Georgia
 Prepared by DMB on 2023-04-19
 TR by BS on 2023-04-19
 IR Review by RB on 2023-04-19

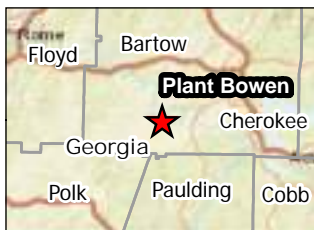
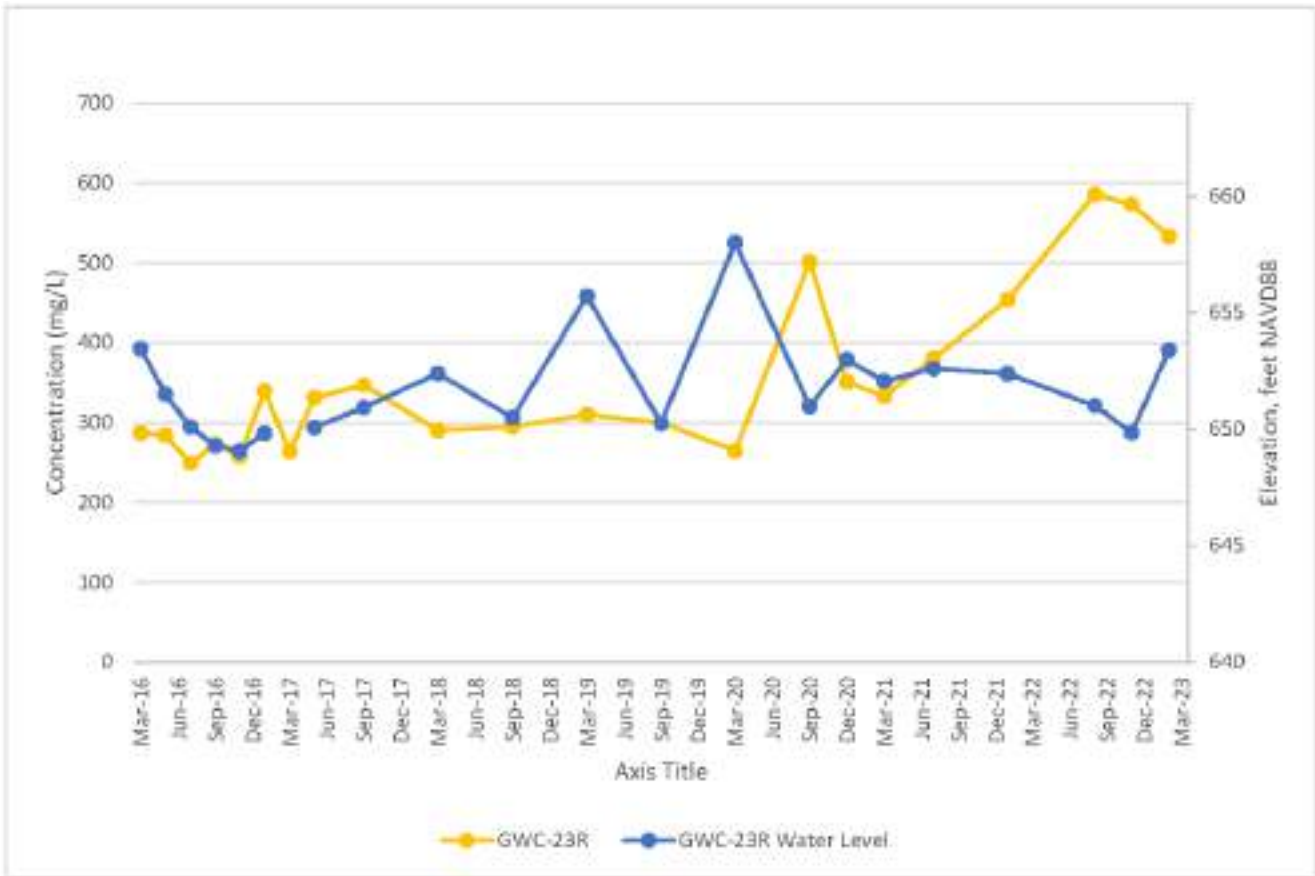
Client/Project: Georgia Power
 172678190
 Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
 Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

7

Title

Sulfate Concentration vs Time



Notes

1. mg/L - milligrams per liter
2. GWA-56 abandoned 12/2022

Notes

1. Coordinate System:
2. Data Sources:
3. Background Location Map: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Project Location
Euharlee, Georgia

Prepared by DMB on 2023-04-19
TR by BS on 2023-04-19
IR Review by RB on 2023-04-19

Client/Project

Georgia Power
Alternate Source Demonstration for Sulfate and Total Dissolved Solids, August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10

Figure No.

8

Title

Total Dissolved Solids Concentration vs Time

**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

APPENDIX A LABORATORY ANALYTICAL REPORTS





August 30, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between August 08, 2022 and August 15, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Ms. Lauren Petty, Southern Company
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92619171001	GWA-38	Water	08/05/22 09:40	08/08/22 09:05
92619171002	GWA-52	Water	08/05/22 10:25	08/08/22 09:05
92619171003	GWA-54	Water	08/05/22 11:15	08/08/22 09:05
92619171004	GWA-56	Water	08/05/22 12:26	08/08/22 09:05
92619171005	DUP-1	Water	08/05/22 00:00	08/08/22 09:05
92619171006	FB-1	Water	08/05/22 11:55	08/08/22 09:05
92619171007	GWA-36A	Water	08/08/22 11:08	08/11/22 09:02
92619171008	GWA-36RA	Water	08/08/22 13:03	08/11/22 09:02
92619171009	GWA-37	Water	08/08/22 15:07	08/11/22 09:02
92619171010	GWA-53	Water	08/08/22 14:35	08/11/22 09:02
92619171011	GWA-53R	Water	08/08/22 12:25	08/11/22 09:02
92619171012	GWA-55	Water	08/08/22 15:40	08/11/22 09:02
92619171013	GWA-55R	Water	08/08/22 14:34	08/11/22 09:02
92619171014	FB-2	Water	08/08/22 15:20	08/11/22 09:02
92619171015	EB-1	Water	08/08/22 15:25	08/11/22 09:02
92619171016	GWA-51RZ	Water	08/09/22 09:04	08/11/22 09:02
92619171017	GWC-19R	Water	08/09/22 10:34	08/11/22 09:02
92619171018	GWC-20R	Water	08/09/22 11:34	08/11/22 09:02
92619171019	GWC-24R	Water	08/09/22 12:52	08/11/22 09:02
92619171020	GWC-25R	Water	08/09/22 10:55	08/11/22 09:02
92619171021	DUP-2	Water	08/09/22 00:00	08/11/22 09:02
92619171022	FB-3	Water	08/09/22 15:00	08/11/22 09:02
92619171023	GWC-18	Water	08/10/22 11:55	08/11/22 09:02
92619171024	GWC-18R	Water	08/10/22 10:22	08/11/22 09:02
92619171025	GWC-21R	Water	08/10/22 11:00	08/11/22 09:02
92619171026	GWC-22R	Water	08/10/22 13:15	08/11/22 09:02
92619171027	DUP-3	Water	08/10/22 00:00	08/11/22 09:02
92619171028	FB-4	Water	08/10/22 14:00	08/11/22 09:02
92619171029	GWC-16R	Water	08/11/22 09:00	08/15/22 10:41
92619171030	GWC-17R	Water	08/11/22 09:37	08/15/22 10:41
92619171031	GWC-23R	Water	08/11/22 10:20	08/15/22 10:41
92619171032	FB-5	Water	08/11/22 16:25	08/15/22 10:41

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171001	GWA-38	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92619171002	GWA-52	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
92619171003	GWA-54	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171004	GWA-56	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171005	DUP-1	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171006	FB-1	EPA 6010D	KH	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171007	GWA-36A	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171008	GWA-36RA	EPA 6010D	DRB	2
		EPA 6020B	CW1	15

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171009	GWA-37	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171010	GWA-53	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171011	GWA-53R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171012	GWA-55	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
92619171013	GWA-55R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92619171014	FB-2	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171015	EB-1	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171016	GWA-51RZ	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171017	GWC-19R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171018	GWC-20R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171019	GWC-24R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171020	GWC-25R	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171021	DUP-2	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171022	FB-3	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171023	GWC-18	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171024	GWC-18R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171025	GWC-21R	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92619171026	GWC-22R	EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
92619171027	DUP-3	EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
92619171028	FB-4	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	DRB	2
92619171029	GWC-16R	EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	8
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171030	GWC-17R	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	KH	5
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		EPA 6020B	CW1	15
		EPA 7470A	VB	1

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SAMPLE ANALYTE COUNT

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92619171031	GWC-23R	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	KH	5
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
92619171032	FB-5	SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3
		EPA 6010D	KH	5
		EPA 6020B	CW1	15
		EPA 7470A	VB	1
		SM 2540C-2015	BTS	1
		EPA 300.0 Rev 2.1 1993	JCM	3

PASI-A = Pace Analytical Services - Asheville
 PASI-C = Pace Analytical Services - Charlotte
 PASI-GA = Pace Analytical Services - Peachtree Corners, GA

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171001	GWA-38					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	4.98	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	1.3	mg/L	1.0	08/11/22 19:49	
EPA 6020B	Barium	0.012	mg/L	0.0050	08/12/22 20:25	
EPA 6020B	Boron	0.0090J	mg/L	0.040	08/12/22 20:25	
EPA 6020B	Cobalt	0.00095J	mg/L	0.0050	08/12/22 20:25	
EPA 6020B	Nickel	0.00085J	mg/L	0.0050	08/12/22 20:25	
SM 2540C-2015	Total Dissolved Solids	27.0	mg/L	10.0	08/11/22 10:39	
EPA 300.0 Rev 2.1 1993	Chloride	3.1	mg/L	1.0	08/17/22 15:09	
92619171002	GWA-52					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	7.35	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	29.2	mg/L	1.0	08/11/22 20:04	
EPA 6020B	Barium	0.019	mg/L	0.0050	08/12/22 20:31	
EPA 6020B	Chromium	0.0012J	mg/L	0.0050	08/12/22 20:31	
SM 2540C-2015	Total Dissolved Solids	123	mg/L	10.0	08/09/22 10:07	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	08/17/22 15:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	08/17/22 15:24	
EPA 300.0 Rev 2.1 1993	Sulfate	4.4	mg/L	1.0	08/17/22 15:24	
92619171003	GWA-54					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	7.32	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	23.8	mg/L	1.0	08/11/22 20:08	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/12/22 20:37	
EPA 6020B	Chromium	0.0016J	mg/L	0.0050	08/12/22 20:37	
SM 2540C-2015	Total Dissolved Solids	106	mg/L	10.0	08/11/22 10:39	
EPA 300.0 Rev 2.1 1993	Chloride	0.96J	mg/L	1.0	08/17/22 21:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	08/17/22 21:15	
EPA 300.0 Rev 2.1 1993	Sulfate	1.4	mg/L	1.0	08/17/22 21:15	
92619171004	GWA-56					
	Performed by	CUSTOME			08/08/22 17:08	
		R				
	pH	7.60	Std. Units		08/08/22 17:08	
EPA 6010D	Calcium	38.0	mg/L	1.0	08/11/22 20:13	
EPA 6020B	Barium	0.033	mg/L	0.0050	08/12/22 20:43	
EPA 6020B	Boron	0.015J	mg/L	0.040	08/12/22 20:43	
EPA 6020B	Nickel	0.00082J	mg/L	0.0050	08/12/22 20:43	
SM 2540C-2015	Total Dissolved Solids	271	mg/L	10.0	08/09/22 10:07	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	08/17/22 23:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.094J	mg/L	0.10	08/17/22 23:48	
EPA 300.0 Rev 2.1 1993	Sulfate	42.9	mg/L	1.0	08/17/22 23:48	
92619171005	DUP-1					
EPA 6020B	Barium	0.012	mg/L	0.0050	08/12/22 21:07	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171005	DUP-1					
EPA 6020B	Cobalt	0.00098J	mg/L	0.0050	08/12/22 21:07	
EPA 6020B	Nickel	0.00083J	mg/L	0.0050	08/12/22 21:07	
SM 2540C-2015	Total Dissolved Solids	20.0	mg/L	10.0	08/09/22 10:07	
EPA 300.0 Rev 2.1 1993	Chloride	3.4	mg/L	1.0	08/18/22 00:03	
EPA 300.0 Rev 2.1 1993	Sulfate	0.69J	mg/L	1.0	08/18/22 00:03	
92619171006	FB-1					
EPA 6010D	Calcium	1.3	mg/L	1.0	08/11/22 20:27	
92619171007	GWA-36A					
	Performed by	Customer			08/11/22 15:42	
	pH	6.79	Std. Units		08/11/22 15:42	
EPA 6010D	Zinc	0.011J	mg/L	0.020	08/18/22 16:37	
EPA 6010D	Calcium	53.1	mg/L	1.0	08/18/22 16:37	M1
EPA 6020B	Barium	0.037	mg/L	0.0050	08/24/22 15:21	
EPA 6020B	Boron	0.023J	mg/L	0.040	08/24/22 15:21	
SM 2540C-2015	Total Dissolved Solids	232	mg/L	10.0	08/12/22 08:57	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	08/20/22 22:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	08/20/22 22:52	
EPA 300.0 Rev 2.1 1993	Sulfate	23.4	mg/L	1.0	08/20/22 22:52	
92619171008	GWA-36RA					
	Performed by	Customer			08/11/22 15:42	
	pH	7.11	Std. Units		08/11/22 15:42	
EPA 6010D	Calcium	54.8	mg/L	1.0	08/18/22 17:08	
EPA 6020B	Antimony	0.0015J	mg/L	0.0030	08/24/22 15:45	B
EPA 6020B	Barium	0.038	mg/L	0.0050	08/24/22 15:45	
EPA 6020B	Boron	0.018J	mg/L	0.040	08/24/22 15:45	
EPA 6020B	Cadmium	0.00016J	mg/L	0.00050	08/24/22 15:45	
SM 2540C-2015	Total Dissolved Solids	232	mg/L	10.0	08/12/22 08:58	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 23:08	
EPA 300.0 Rev 2.1 1993	Fluoride	0.062J	mg/L	0.10	08/20/22 23:08	
EPA 300.0 Rev 2.1 1993	Sulfate	19.2	mg/L	1.0	08/20/22 23:08	
92619171009	GWA-37					
	Performed by	Customer			08/11/22 15:42	
	pH	5.16	Std. Units		08/11/22 15:42	
EPA 6010D	Calcium	0.74J	mg/L	1.0	08/18/22 17:13	
EPA 6020B	Antimony	0.0018J	mg/L	0.0030	08/24/22 15:51	B
EPA 6020B	Barium	0.0035J	mg/L	0.0050	08/24/22 15:51	
EPA 6020B	Cadmium	0.00032J	mg/L	0.00050	08/24/22 15:51	
EPA 6020B	Copper	0.0087	mg/L	0.0050	08/24/22 15:51	
EPA 6020B	Nickel	0.0097	mg/L	0.0050	08/24/22 15:51	
SM 2540C-2015	Total Dissolved Solids	19.0	mg/L	10.0	08/12/22 08:58	
EPA 300.0 Rev 2.1 1993	Chloride	0.64J	mg/L	1.0	08/20/22 23:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	08/20/22 23:23	
92619171010	GWA-53					
	Performed by	Customer			08/11/22 15:42	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171010	GWA-53					
	pH	7.66	Std. Units		08/11/22 15:42	
EPA 6010D	Calcium	30.4	mg/L	1.0	08/18/22 17:18	
EPA 6020B	Barium	0.011	mg/L	0.0050	08/24/22 15:57	
EPA 6020B	Cadmium	0.00040J	mg/L	0.00050	08/24/22 15:57	
SM 2540C-2015	Total Dissolved Solids	137	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/21/22 00:09	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	08/21/22 00:09	
EPA 300.0 Rev 2.1 1993	Sulfate	1.3	mg/L	1.0	08/21/22 00:09	
92619171011	GWA-53R					
	Performed by	Customer			08/11/22 15:43	
	pH	7.61	Std. Units		08/11/22 15:43	
EPA 6010D	Calcium	31.8	mg/L	1.0	08/18/22 17:22	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/24/22 16:03	
EPA 6020B	Cadmium	0.00022J	mg/L	0.00050	08/24/22 16:03	
SM 2540C-2015	Total Dissolved Solids	136	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	08/21/22 00:25	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	08/21/22 00:25	
EPA 300.0 Rev 2.1 1993	Sulfate	1.5	mg/L	1.0	08/21/22 00:25	
92619171012	GWA-55					
	Performed by	Customer			08/11/22 15:43	
	pH	7.10	Std. Units		08/11/22 15:43	
EPA 6010D	Calcium	52.3	mg/L	1.0	08/18/22 17:27	
EPA 6020B	Barium	0.026	mg/L	0.0050	08/24/22 16:23	
EPA 6020B	Chromium	0.0011J	mg/L	0.0050	08/24/22 16:23	
EPA 6020B	Cobalt	0.00084J	mg/L	0.0050	08/24/22 16:23	
EPA 6020B	Selenium	0.0024J	mg/L	0.0050	08/24/22 16:23	
SM 2540C-2015	Total Dissolved Solids	240	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	4.9	mg/L	1.0	08/21/22 01:11	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	08/21/22 01:11	
EPA 300.0 Rev 2.1 1993	Sulfate	30.0	mg/L	1.0	08/21/22 01:11	
92619171013	GWA-55R					
	Performed by	Customer			08/11/22 15:43	
	pH	7.26	Std. Units		08/11/22 15:43	
EPA 6010D	Calcium	47.0	mg/L	1.0	08/18/22 17:32	
EPA 6020B	Barium	0.027	mg/L	0.0050	08/24/22 16:29	
EPA 6020B	Selenium	0.0015J	mg/L	0.0050	08/24/22 16:29	
SM 2540C-2015	Total Dissolved Solids	209	mg/L	10.0	08/12/22 08:59	
EPA 300.0 Rev 2.1 1993	Chloride	4.0	mg/L	1.0	08/21/22 01:27	
EPA 300.0 Rev 2.1 1993	Fluoride	0.070J	mg/L	0.10	08/21/22 01:27	
EPA 300.0 Rev 2.1 1993	Sulfate	23.5	mg/L	1.0	08/21/22 01:27	
92619171015	EB-1					
SM 2540C-2015	Total Dissolved Solids	30.0	mg/L	10.0	08/12/22 09:00	
92619171016	GWA-51RZ					
	Performed by	Customer			08/11/22 15:44	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171016	GWA-51RZ					
	pH	7.25	Std. Units		08/11/22 15:44	
EPA 6010D	Calcium	46.1	mg/L	1.0	08/18/22 18:01	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 16:46	
EPA 6020B	Selenium	0.0051	mg/L	0.0050	08/24/22 16:46	
SM 2540C-2015	Total Dissolved Solids	208	mg/L	10.0	08/12/22 09:00	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	08/21/22 02:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	08/21/22 02:13	
EPA 300.0 Rev 2.1 1993	Sulfate	22.3	mg/L	1.0	08/21/22 02:13	
92619171017	GWC-19R					
	Performed by	Customer			08/11/22 15:44	
	pH	7.77	Std. Units		08/11/22 15:44	
EPA 6010D	Calcium	34.6	mg/L	1.0	08/18/22 18:06	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/24/22 16:52	
SM 2540C-2015	Total Dissolved Solids	102	mg/L	10.0	08/12/22 09:01	D6
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/21/22 02:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	08/21/22 02:29	
EPA 300.0 Rev 2.1 1993	Sulfate	3.7	mg/L	1.0	08/21/22 02:29	
92619171018	GWC-20R					
	Performed by	Customer			08/11/22 15:45	
	pH	7.81	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	38.7	mg/L	1.0	08/18/22 18:10	
EPA 6020B	Barium	0.029	mg/L	0.0050	08/24/22 16:58	
SM 2540C-2015	Total Dissolved Solids	171	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	1.7	mg/L	1.0	08/21/22 03:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	08/21/22 03:15	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	08/21/22 03:15	
92619171019	GWC-24R					
	Performed by	Customer			08/11/22 15:45	
	pH	7.48	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	33.8	mg/L	1.0	08/18/22 18:15	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 17:04	
SM 2540C-2015	Total Dissolved Solids	149	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/21/22 03:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.072J	mg/L	0.10	08/21/22 03:31	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	08/21/22 03:31	
92619171020	GWC-25R					
	Performed by	Customer			08/11/22 15:45	
	pH	7.60	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	37.1	mg/L	1.0	08/18/22 18:20	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 17:10	
SM 2540C-2015	Total Dissolved Solids	164	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	08/21/22 03:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	08/21/22 03:46	
EPA 300.0 Rev 2.1 1993	Sulfate	1.9	mg/L	1.0	08/21/22 03:46	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171021	DUP-2					
EPA 6010D	Calcium	38.7	mg/L	1.0	08/18/22 18:25	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/24/22 17:16	
SM 2540C-2015	Total Dissolved Solids	160	mg/L	10.0	08/12/22 09:01	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 16:57	
EPA 300.0 Rev 2.1 1993	Sulfate	2.1	mg/L	1.0	08/20/22 16:57	
92619171023	GWC-18					
	Performed by	Customer			08/11/22 15:45	
	pH	6.53	Std. Units		08/11/22 15:45	
EPA 6010D	Calcium	18.9	mg/L	1.0	08/18/22 18:34	
EPA 6020B	Barium	0.013	mg/L	0.0050	08/24/22 17:47	
EPA 6020B	Chromium	0.0014J	mg/L	0.0050	08/24/22 17:47	
SM 2540C-2015	Total Dissolved Solids	86.0	mg/L	10.0	08/12/22 09:02	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/20/22 17:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	08/20/22 17:57	
EPA 300.0 Rev 2.1 1993	Sulfate	1.7	mg/L	1.0	08/20/22 17:57	
92619171024	GWC-18R					
	Performed by	Customer			08/11/22 15:46	
	pH	7.59	Std. Units		08/11/22 15:46	
EPA 6010D	Calcium	33.6	mg/L	1.0	08/18/22 18:48	
EPA 6020B	Barium	0.014	mg/L	0.0050	08/24/22 17:53	
EPA 6020B	Beryllium	0.000056J	mg/L	0.00050	08/24/22 17:53	
SM 2540C-2015	Total Dissolved Solids	147	mg/L	10.0	08/12/22 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 18:12	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	08/20/22 18:12	
92619171025	GWC-21R					
	Performed by	Customer			08/11/22 15:46	
	pH	6.98	Std. Units		08/11/22 15:46	
EPA 6010D	Zinc	0.016J	mg/L	0.020	08/18/22 18:53	
EPA 6010D	Calcium	67.7	mg/L	1.0	08/18/22 18:53	
EPA 6020B	Antimony	0.0081	mg/L	0.0030	08/25/22 15:42	B
EPA 6020B	Arsenic	0.0025J	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Chromium	0.0023J	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	08/24/22 17:59	
EPA 6020B	Thallium	0.00031J	mg/L	0.0010	08/24/22 17:59	
SM 2540C-2015	Total Dissolved Solids	286	mg/L	10.0	08/12/22 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	4.1	mg/L	1.0	08/20/22 18:57	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/20/22 18:57	
EPA 300.0 Rev 2.1 1993	Sulfate	10.5	mg/L	1.0	08/20/22 18:57	
92619171026	GWC-22R					
	Performed by	Customer			08/11/22 15:46	
	pH	7.10	Std. Units		08/11/22 15:46	
EPA 6010D	Calcium	36.0	mg/L	1.0	08/18/22 18:58	
EPA 6020B	Arsenic	0.0035J	mg/L	0.0050	08/24/22 18:05	
EPA 6020B	Barium	0.042	mg/L	0.0050	08/24/22 18:05	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
92619171026	GWC-22R					
EPA 6020B	Cobalt	0.00078J	mg/L	0.0050	08/24/22 18:05	
SM 2540C-2015	Total Dissolved Solids	162	mg/L	10.0	08/12/22 09:03	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	08/20/22 19:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.10	08/20/22 19:12	
EPA 300.0 Rev 2.1 1993	Sulfate	1.6	mg/L	1.0	08/20/22 19:12	
92619171027	DUP-3					
EPA 6010D	Calcium	32.0	mg/L	1.0	08/18/22 20:25	
EPA 6020B	Barium	0.015	mg/L	0.0050	08/26/22 20:36	
EPA 6020B	Beryllium	0.000082J	mg/L	0.00050	08/26/22 20:36	
EPA 6020B	Boron	0.019J	mg/L	0.040	08/26/22 20:36	B
SM 2540C-2015	Total Dissolved Solids	140	mg/L	10.0	08/15/22 11:24	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	08/20/22 19:27	
EPA 300.0 Rev 2.1 1993	Sulfate	2.3	mg/L	1.0	08/20/22 19:27	
92619171028	FB-4					
EPA 6020B	Antimony	0.0010J	mg/L	0.0030	08/26/22 21:00	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/26/22 21:00	B
92619171029	GWC-16R					
	Performed by	Customer			08/15/22 14:19	
	pH	7.05	Std. Units		08/15/22 14:19	
EPA 6010D	Zinc	0.036	mg/L	0.020	08/22/22 18:11	M1
EPA 6010D	Potassium	2.9	mg/L	0.20	08/22/22 18:11	M1
EPA 6010D	Sodium	7.3	mg/L	1.0	08/22/22 18:11	M1
EPA 6010D	Calcium	71.6	mg/L	1.0	08/22/22 18:11	M1
EPA 6010D	Magnesium	30.8	mg/L	0.050	08/22/22 18:11	M1
EPA 6020B	Antimony	0.0099	mg/L	0.0030	08/26/22 23:11	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/26/22 23:11	
EPA 6020B	Boron	0.013J	mg/L	0.040	08/26/22 23:11	B
EPA 6020B	Nickel	0.0077	mg/L	0.0050	08/26/22 23:11	
SM 2540C-2015	Total Dissolved Solids	306	mg/L	10.0	08/16/22 14:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	08/22/22 14:34	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/22/22 14:34	
EPA 300.0 Rev 2.1 1993	Sulfate	5.0	mg/L	1.0	08/22/22 14:34	
92619171030	GWC-17R					
	Performed by	Customer			08/15/22 14:20	
	pH	7.27	Std. Units		08/15/22 14:20	
EPA 6010D	Potassium	0.73	mg/L	0.20	08/22/22 18:57	
EPA 6010D	Sodium	2.3	mg/L	1.0	08/22/22 18:57	
EPA 6010D	Calcium	70.8	mg/L	1.0	08/22/22 18:57	
EPA 6010D	Magnesium	37.1	mg/L	0.050	08/22/22 18:57	
EPA 6020B	Barium	0.017	mg/L	0.0050	08/27/22 20:08	
SM 2540C-2015	Total Dissolved Solids	296	mg/L	10.0	08/16/22 14:09	
EPA 300.0 Rev 2.1 1993	Chloride	4.7	mg/L	1.0	08/22/22 14:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.051J	mg/L	0.10	08/22/22 14:49	
EPA 300.0 Rev 2.1 1993	Sulfate	6.6	mg/L	1.0	08/22/22 14:49	

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SUMMARY OF DETECTION

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92619171031	GWC-23R					
	Performed by	Customer			08/15/22 14:20	
	pH	7.37	Std. Units		08/15/22 14:20	
EPA 6010D	Potassium	1.6	mg/L	0.20	08/22/22 19:02	
EPA 6010D	Sodium	116	mg/L	1.0	08/22/22 19:02	
EPA 6010D	Calcium	67.0	mg/L	1.0	08/22/22 19:02	
EPA 6010D	Magnesium	34.8	mg/L	0.050	08/22/22 19:02	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/27/22 20:14	
SM 2540C-2015	Total Dissolved Solids	586	mg/L	20.0	08/16/22 14:18	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	08/22/22 15:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	08/22/22 15:04	
EPA 300.0 Rev 2.1 1993	Sulfate	143	mg/L	3.0	08/23/22 04:15	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-38 **Lab ID: 92619171001** Collected: 08/05/22 09:40 Received: 08/08/22 09:05 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	4.98	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 19:49	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 19:49	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:25	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:25	7440-41-7	
Boron	0.0090J	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:25	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:25	7440-47-3	
Cobalt	0.00095J	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:25	7439-92-1	
Nickel	0.00085J	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:25	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:43	7439-97-6	M1,R1
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	27.0	mg/L	10.0	10.0	1		08/11/22 10:39		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	3.1	mg/L	1.0	0.60	1		08/17/22 15:09	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/17/22 15:09	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/17/22 15:09	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-52 **Lab ID: 92619171002** Collected: 08/05/22 10:25 Received: 08/08/22 09:05 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	7.35	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:04	7440-66-6	
Calcium	29.2	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:04	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:31	7440-38-2	
Barium	0.019	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:31	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:31	7440-43-9	
Chromium	0.0012J	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:31	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:54	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	123	mg/L	10.0	10.0	1		08/09/22 10:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		08/17/22 15:24	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		08/17/22 15:24	16984-48-8	
Sulfate	4.4	mg/L	1.0	0.50	1		08/17/22 15:24	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWA-54 **Lab ID: 92619171003** Collected: 08/05/22 11:15 Received: 08/08/22 09:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	7.32	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:08	7440-66-6	
Calcium	23.8	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:08	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:37	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:37	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:37	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:37	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:37	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:37	7440-43-9	
Chromium	0.0016J	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:37	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:37	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:37	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:37	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:37	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:37	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:37	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:37	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:37	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:56	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	106	mg/L	10.0	10.0	1		08/11/22 10:39		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.96J	mg/L	1.0	0.60	1		08/17/22 21:15	16887-00-6	
Fluoride	0.073J	mg/L	0.10	0.050	1		08/17/22 21:15	16984-48-8	
Sulfate	1.4	mg/L	1.0	0.50	1		08/17/22 21:15	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWA-56	Lab ID: 92619171004	Collected: 08/05/22 12:26	Received: 08/08/22 09:05	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/08/22 17:08		
pH	7.60	Std. Units			1		08/08/22 17:08		
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:13	7440-66-6	
Calcium	38.0	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:13	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 20:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 20:43	7440-38-2	
Barium	0.033	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 20:43	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 20:43	7440-41-7	
Boron	0.015J	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 20:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 20:43	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 20:43	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 20:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 20:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 20:43	7439-92-1	
Nickel	0.00082J	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 20:43	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 20:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 20:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 20:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 20:43	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 14:59	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	271	mg/L	10.0	10.0	1		08/09/22 10:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		08/17/22 23:48	16887-00-6	
Fluoride	0.094J	mg/L	0.10	0.050	1		08/17/22 23:48	16984-48-8	
Sulfate	42.9	mg/L	1.0	0.50	1		08/17/22 23:48	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: DUP-1 **Lab ID: 92619171005** Collected: 08/05/22 00:00 Received: 08/08/22 09:05 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:23	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:23	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 21:07	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 21:07	7440-38-2	
Barium	0.012	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 21:07	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 21:07	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 21:07	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 21:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 21:07	7440-47-3	
Cobalt	0.00098J	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 21:07	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 21:07	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 21:07	7439-92-1	
Nickel	0.00083J	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 21:07	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 21:07	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 21:07	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 21:07	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 21:07	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:07	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	20.0	mg/L	10.0	10.0	1		08/09/22 10:07		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	3.4	mg/L	1.0	0.60	1		08/18/22 00:03	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/18/22 00:03	16984-48-8	
Sulfate	0.69J	mg/L	1.0	0.50	1		08/18/22 00:03	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: FB-1 **Lab ID: 92619171006** Collected: 08/05/22 11:55 Received: 08/08/22 09:05 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/11/22 09:48	08/11/22 20:27	7440-66-6	
Calcium	1.3	mg/L	1.0	0.12	1	08/11/22 09:48	08/11/22 20:27	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/10/22 08:00	08/12/22 21:13	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/10/22 08:00	08/12/22 21:13	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/10/22 08:00	08/12/22 21:13	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/10/22 08:00	08/12/22 21:13	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/10/22 08:00	08/12/22 21:13	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/10/22 08:00	08/12/22 21:13	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/10/22 08:00	08/12/22 21:13	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/10/22 08:00	08/12/22 21:13	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/10/22 08:00	08/12/22 21:13	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/10/22 08:00	08/12/22 21:13	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/10/22 08:00	08/12/22 21:13	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/10/22 08:00	08/12/22 21:13	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/10/22 08:00	08/12/22 21:13	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/10/22 08:00	08/12/22 21:13	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/10/22 08:00	08/12/22 21:13	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:10	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/09/22 10:12		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/18/22 00:18	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/18/22 00:18	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/18/22 00:18	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWA-36A **Lab ID: 92619171007** Collected: 08/08/22 11:08 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:42
 pH **6.79** Std. Units 1 08/11/22 15:42

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc **0.011J** mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 16:37 7440-66-6
 Calcium **53.1** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 16:37 7440-70-2 M1

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:21	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:21	7440-38-2	
Barium	0.037	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:21	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:21	7440-41-7	
Boron	0.023J	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:21	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:21	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 15:21	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 15:21	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 15:21	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:21	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 15:21	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:21	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:21	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:21	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 15:21	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:12 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **232** mg/L 10.0 10.0 1 08/12/22 08:57

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.7	mg/L	1.0	0.60	1	08/20/22 22:52	16887-00-6
Fluoride	0.063J	mg/L	0.10	0.050	1	08/20/22 22:52	16984-48-8
Sulfate	23.4	mg/L	1.0	0.50	1	08/20/22 22:52	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWA-36RA **Lab ID: 92619171008** Collected: 08/08/22 13:03 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by	Customer						08/11/22 15:42		
pH	7.11	Std. Units					08/11/22 15:42		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:08	7440-66-6	
Calcium	54.8	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:08	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0015J	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:45	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:45	7440-38-2	
Barium	0.038	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:45	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:45	7440-41-7	
Boron	0.018J	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:45	7440-42-8	
Cadmium	0.00016J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:45	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/25/22 15:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/25/22 15:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/25/22 15:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/25/22 15:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/25/22 15:30	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:15	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	232	mg/L	10.0	10.0	1		08/12/22 08:58		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 23:08	16887-00-6	
Fluoride	0.062J	mg/L	0.10	0.050	1		08/20/22 23:08	16984-48-8	
Sulfate	19.2	mg/L	1.0	0.50	1		08/20/22 23:08	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-37 **Lab ID: 92619171009** Collected: 08/08/22 15:07 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:42
pH **5.16** Std. Units 1 08/11/22 15:42

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 17:13 7440-66-6
Calcium **0.74J** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 17:13 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0018J	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:51	7440-36-0	B
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:51	7440-38-2	
Barium	0.0035J	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:51	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:51	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:51	7440-42-8	
Cadmium	0.00032J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 15:51	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 15:51	7440-48-4	
Copper	0.0087	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 15:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:51	7439-92-1	
Nickel	0.0097	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 15:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 15:51	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:18 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **19.0** mg/L 10.0 10.0 1 08/12/22 08:58

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	0.64J	mg/L	1.0	0.60	1	08/20/22 23:23	16887-00-6
Fluoride	0.061J	mg/L	0.10	0.050	1	08/20/22 23:23	16984-48-8
Sulfate	ND	mg/L	1.0	0.50	1	08/20/22 23:23	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-53 **Lab ID: 92619171010** Collected: 08/08/22 14:35 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/11/22 15:42
pH	7.66	Std. Units					08/11/22 15:42

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:18	7440-66-6
Calcium	30.4	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:18	7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 15:57	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 15:57	7440-38-2
Barium	0.011	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 15:57	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 15:57	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 15:57	7440-42-8
Cadmium	0.00040J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 15:57	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 15:57	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 15:57	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 15:57	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 15:57	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 15:57	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 15:57	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 15:57	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 15:57	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 15:57	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:20	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	137	mg/L	10.0	10.0	1		08/12/22 08:59
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.0	mg/L	1.0	0.60	1		08/21/22 00:09	16887-00-6
Fluoride	0.067J	mg/L	0.10	0.050	1		08/21/22 00:09	16984-48-8
Sulfate	1.3	mg/L	1.0	0.50	1		08/21/22 00:09	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-53R **Lab ID: 92619171011** Collected: 08/08/22 12:25 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/11/22 15:43
pH	7.61	Std. Units					08/11/22 15:43

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:22	7440-66-6
Calcium	31.8	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:22	7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:03	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:03	7440-38-2
Barium	0.013	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:03	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:03	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:03	7440-42-8
Cadmium	0.00022J	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:03	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:03	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:03	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:03	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:03	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:03	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:03	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:03	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:03	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:03	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:23	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	136	mg/L	10.0	10.0	1		08/12/22 08:59
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.2	mg/L	1.0	0.60	1		08/21/22 00:25	16887-00-6
Fluoride	0.066J	mg/L	0.10	0.050	1		08/21/22 00:25	16984-48-8
Sulfate	1.5	mg/L	1.0	0.50	1		08/21/22 00:25	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-55 **Lab ID: 92619171012** Collected: 08/08/22 15:40 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:43
pH **7.10** Std. Units 1 08/11/22 15:43

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 17:27 7440-66-6
Calcium **52.3** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 17:27 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:23	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:23	7440-38-2
Barium	0.026	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:23	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:23	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:23	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:23	7440-43-9
Chromium	0.0011J	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:23	7440-47-3
Cobalt	0.00084J	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:23	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:23	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:23	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:23	7440-02-0
Selenium	0.0024J	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:23	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:23	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:23	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:23	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:25 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **240** mg/L 10.0 10.0 1 08/12/22 08:59

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.9	mg/L	1.0	0.60	1	08/21/22 01:11	16887-00-6
Fluoride	0.078J	mg/L	0.10	0.050	1	08/21/22 01:11	16984-48-8
Sulfate	30.0	mg/L	1.0	0.50	1	08/21/22 01:11	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWA-55R **Lab ID: 92619171013** Collected: 08/08/22 14:34 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/11/22 15:43		
pH	7.26	Std. Units			1		08/11/22 15:43		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:32	7440-66-6	
Calcium	47.0	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:32	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:29	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:29	7440-38-2	
Barium	0.027	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:29	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:29	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:29	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:29	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:29	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:29	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:29	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:29	7440-02-0	
Selenium	0.0015J	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:29	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:29	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:29	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:29	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:28	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	209	mg/L	10.0	10.0	1		08/12/22 08:59		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.0	mg/L	1.0	0.60	1		08/21/22 01:27	16887-00-6	
Fluoride	0.070J	mg/L	0.10	0.050	1		08/21/22 01:27	16984-48-8	
Sulfate	23.5	mg/L	1.0	0.50	1		08/21/22 01:27	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: FB-2 **Lab ID: 92619171014** Collected: 08/08/22 15:20 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:51	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:51	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:34	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:34	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:34	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:34	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:34	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:34	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:34	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:34	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:34	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:34	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:34	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:36	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/12/22 08:59		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/21/22 01:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/21/22 01:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/21/22 01:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: EB-1 **Lab ID: 92619171015** Collected: 08/08/22 15:25 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 17:56	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 17:56	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:40	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:40	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:40	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:40	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:40	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:40	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:40	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:40	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:38	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	30.0	mg/L	10.0	10.0	1		08/12/22 09:00		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/21/22 01:58	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/21/22 01:58	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/21/22 01:58	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWA-51RZ **Lab ID: 92619171016** Collected: 08/09/22 09:04 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:44
 pH **7.25** Std. Units 1 08/11/22 15:44

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 18:01 7440-66-6
 Calcium **46.1** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 18:01 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:46	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:46	7440-38-2
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:46	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:46	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:46	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:46	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:46	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:46	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:46	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:46	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:46	7440-02-0
Selenium	0.0051	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:46	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:46	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:46	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:46	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:42 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **208** mg/L 10.0 10.0 1 08/12/22 09:00

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.4	mg/L	1.0	0.60	1	08/21/22 02:13	16887-00-6
Fluoride	0.072J	mg/L	0.10	0.050	1	08/21/22 02:13	16984-48-8
Sulfate	22.3	mg/L	1.0	0.50	1	08/21/22 02:13	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWC-19R **Lab ID: 92619171017** Collected: 08/09/22 10:34 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:44
 pH **7.77** Std. Units 1 08/11/22 15:44

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 18:06 7440-66-6
 Calcium **34.6** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 18:06 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:52	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:52	7440-38-2
Barium	0.014	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:52	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:52	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:52	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:52	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:52	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:52	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:52	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:52	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:52	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:52	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:52	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:52	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:52	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:45 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **102** mg/L 10.0 10.0 1 08/12/22 09:01 D6

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1	08/21/22 02:29	16887-00-6
Fluoride	0.067J	mg/L	0.10	0.050	1	08/21/22 02:29	16984-48-8
Sulfate	3.7	mg/L	1.0	0.50	1	08/21/22 02:29	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-20R **Lab ID: 92619171018** Collected: 08/09/22 11:34 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/11/22 15:45		
pH	7.81	Std. Units					08/11/22 15:45		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:10	7440-66-6	
Calcium	38.7	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:10	7440-70-2	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 16:58	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 16:58	7440-38-2	
Barium	0.029	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 16:58	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 16:58	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 16:58	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 16:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 16:58	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 16:58	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 16:58	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 16:58	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 16:58	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 16:58	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 16:58	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 16:58	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 16:58	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:47	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	171	mg/L	10.0	10.0	1		08/12/22 09:01		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.7	mg/L	1.0	0.60	1		08/21/22 03:15	16887-00-6	
Fluoride	0.072J	mg/L	0.10	0.050	1		08/21/22 03:15	16984-48-8	
Sulfate	1.6	mg/L	1.0	0.50	1		08/21/22 03:15	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWC-24R **Lab ID: 92619171019** Collected: 08/09/22 12:52 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:45
 pH **7.48** Std. Units 1 08/11/22 15:45

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 18:15 7440-66-6
 Calcium **33.8** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 18:15 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:04	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:04	7440-38-2
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:04	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:04	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:04	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:04	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:04	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:04	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:04	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:04	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:04	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:04	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:04	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:04	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:04	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 10:00 08/29/22 15:50 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **149** mg/L 10.0 10.0 1 08/12/22 09:01

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.0	mg/L	1.0	0.60	1	08/21/22 03:31	16887-00-6
Fluoride	0.072J	mg/L	0.10	0.050	1	08/21/22 03:31	16984-48-8
Sulfate	2.1	mg/L	1.0	0.50	1	08/21/22 03:31	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-25R **Lab ID: 92619171020** Collected: 08/09/22 10:55 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/11/22 15:45
pH	7.60	Std. Units					08/11/22 15:45

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:20	7440-66-6
Calcium	37.1	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:20	7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:10	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:10	7440-38-2
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:10	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:10	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:10	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:10	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:10	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:10	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:10	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:10	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:10	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:10	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:10	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:10	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:10	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 10:00	08/29/22 15:52	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	164	mg/L	10.0	10.0	1		08/12/22 09:01
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.2	mg/L	1.0	0.60	1		08/21/22 03:46	16887-00-6
Fluoride	0.068J	mg/L	0.10	0.050	1		08/21/22 03:46	16984-48-8
Sulfate	1.9	mg/L	1.0	0.50	1		08/21/22 03:46	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: DUP-2 **Lab ID: 92619171021** Collected: 08/09/22 00:00 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:25	7440-66-6	
Calcium	38.7	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:25	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:16	7440-38-2	
Barium	0.015	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/25/22 15:36	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/25/22 15:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:16	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:16	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:16	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:16	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:16	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:16	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:16	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 15:58	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	160	mg/L	10.0	10.0	1		08/12/22 09:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 16:57	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 16:57	16984-48-8	
Sulfate	2.1	mg/L	1.0	0.50	1		08/20/22 16:57	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: FB-3 **Lab ID: 92619171022** Collected: 08/09/22 15:00 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:29	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:29	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:41	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:41	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:41	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:41	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:41	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:41	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:41	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:41	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:41	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:41	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:41	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:41	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:14	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/12/22 09:01		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/20/22 17:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 17:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/20/22 17:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWC-18 **Lab ID: 92619171023** Collected: 08/10/22 11:55 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:45
 pH **6.53** Std. Units 1 08/11/22 15:45

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 18:34 7440-66-6
 Calcium **18.9** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 18:34 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:47	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:47	7440-38-2
Barium	0.013	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:47	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:47	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:47	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:47	7440-43-9
Chromium	0.0014J	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:47	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:47	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:47	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:47	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:47	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:47	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:47	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:47	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:47	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 12:00 08/29/22 16:17 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **86.0** mg/L 10.0 10.0 1 08/12/22 09:02

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.3	mg/L	1.0	0.60	1	08/20/22 17:57	16887-00-6
Fluoride	0.060J	mg/L	0.10	0.050	1	08/20/22 17:57	16984-48-8
Sulfate	1.7	mg/L	1.0	0.50	1	08/20/22 17:57	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWC-18R **Lab ID: 92619171024** Collected: 08/10/22 10:22 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:46
 pH **7.59** Std. Units 1 08/11/22 15:46

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc ND mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 18:48 7440-66-6
 Calcium **33.6** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 18:48 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 17:53	7440-36-0
Arsenic	ND	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:53	7440-38-2
Barium	0.014	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:53	7440-39-3
Beryllium	0.000056J	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:53	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:53	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:53	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:53	7440-47-3
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:53	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:53	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:53	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:53	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:53	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:53	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:53	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:53	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 12:00 08/29/22 16:19 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **147** mg/L 10.0 10.0 1 08/12/22 09:03

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	2.6	mg/L	1.0	0.60	1	08/20/22 18:12	16887-00-6
Fluoride	ND	mg/L	0.10	0.050	1	08/20/22 18:12	16984-48-8
Sulfate	2.3	mg/L	1.0	0.50	1	08/20/22 18:12	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: GWC-21R **Lab ID: 92619171025** Collected: 08/10/22 11:00 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
 Pace Analytical Services - Charlotte

Performed by **Customer** 1 08/11/22 15:46
 pH **6.98** Std. Units 1 08/11/22 15:46

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
 Pace Analytical Services - Peachtree Corners, GA

Zinc **0.016J** mg/L 0.020 0.0085 1 08/18/22 11:08 08/18/22 18:53 7440-66-6
 Calcium **67.7** mg/L 1.0 0.12 1 08/18/22 11:08 08/18/22 18:53 7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
 Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0081	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/25/22 15:42	7440-36-0	B
Arsenic	0.0025J	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 17:59	7440-38-2	
Barium	0.030	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 17:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 17:59	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 17:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 17:59	7440-43-9	
Chromium	0.0023J	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 17:59	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 17:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 17:59	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 17:59	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 17:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 17:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 17:59	7440-22-4	
Thallium	0.00031J	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 17:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 17:59	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
 Pace Analytical Services - Peachtree Corners, GA

Mercury ND mg/L 0.00020 0.00013 1 08/29/22 12:00 08/29/22 16:22 7439-97-6

2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
 Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids **286** mg/L 10.0 10.0 1 08/12/22 09:03

300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
 Pace Analytical Services - Asheville

Chloride	4.1	mg/L	1.0	0.60	1	08/20/22 18:57	16887-00-6
Fluoride	0.057J	mg/L	0.10	0.050	1	08/20/22 18:57	16984-48-8
Sulfate	10.5	mg/L	1.0	0.50	1	08/20/22 18:57	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-22R **Lab ID: 92619171026** Collected: 08/10/22 13:15 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/11/22 15:46
pH	7.10	Std. Units			1		08/11/22 15:46

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:08	08/18/22 18:58	7440-66-6
Calcium	36.0	mg/L	1.0	0.12	1	08/18/22 11:08	08/18/22 18:58	7440-70-2

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/19/22 11:21	08/24/22 18:05	7440-36-0
Arsenic	0.0035J	mg/L	0.0050	0.0022	1	08/19/22 11:21	08/24/22 18:05	7440-38-2
Barium	0.042	mg/L	0.0050	0.00067	1	08/19/22 11:21	08/24/22 18:05	7440-39-3
Beryllium	ND	mg/L	0.00050	0.000054	1	08/19/22 11:21	08/24/22 18:05	7440-41-7
Boron	ND	mg/L	0.040	0.0086	1	08/19/22 11:21	08/24/22 18:05	7440-42-8
Cadmium	ND	mg/L	0.00050	0.00011	1	08/19/22 11:21	08/24/22 18:05	7440-43-9
Chromium	ND	mg/L	0.0050	0.0011	1	08/19/22 11:21	08/24/22 18:05	7440-47-3
Cobalt	0.00078J	mg/L	0.0050	0.00039	1	08/19/22 11:21	08/24/22 18:05	7440-48-4
Copper	ND	mg/L	0.0050	0.0010	1	08/19/22 11:21	08/24/22 18:05	7440-50-8
Lead	ND	mg/L	0.0010	0.00089	1	08/19/22 11:21	08/24/22 18:05	7439-92-1
Nickel	ND	mg/L	0.0050	0.00071	1	08/19/22 11:21	08/24/22 18:05	7440-02-0
Selenium	ND	mg/L	0.0050	0.0014	1	08/19/22 11:21	08/24/22 18:05	7782-49-2
Silver	ND	mg/L	0.0050	0.00044	1	08/19/22 11:21	08/24/22 18:05	7440-22-4
Thallium	ND	mg/L	0.0010	0.00018	1	08/19/22 11:21	08/24/22 18:05	7440-28-0
Vanadium	ND	mg/L	0.010	0.0019	1	08/19/22 11:21	08/24/22 18:05	7440-62-2

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:25	7439-97-6
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	162	mg/L	10.0	10.0	1		08/12/22 09:03
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.7	mg/L	1.0	0.60	1		08/20/22 19:12	16887-00-6
Fluoride	0.055J	mg/L	0.10	0.050	1		08/20/22 19:12	16984-48-8
Sulfate	1.6	mg/L	1.0	0.50	1		08/20/22 19:12	14808-79-8

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: DUP-3		Lab ID: 92619171027		Collected: 08/10/22 00:00	Received: 08/11/22 09:02	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
6010D ATL ICP		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:22	08/18/22 20:25	7440-66-6		
Calcium	32.0	mg/L	1.0	0.12	1	08/18/22 11:22	08/18/22 20:25	7440-70-2		
6020 MET ICPMS		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 09:41	08/26/22 20:36	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 09:41	08/26/22 20:36	7440-38-2		
Barium	0.015	mg/L	0.0050	0.00067	1	08/26/22 09:41	08/26/22 20:36	7440-39-3		
Beryllium	0.000082J	mg/L	0.00050	0.000054	1	08/26/22 09:41	08/26/22 20:36	7440-41-7		
Boron	0.019J	mg/L	0.040	0.0086	1	08/26/22 09:41	08/26/22 20:36	7440-42-8	B	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 09:41	08/26/22 20:36	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 09:41	08/26/22 20:36	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 09:41	08/26/22 20:36	7440-48-4		
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 09:41	08/26/22 20:36	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 09:41	08/26/22 20:36	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 09:41	08/26/22 20:36	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 09:41	08/26/22 20:36	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 09:41	08/26/22 20:36	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 09:41	08/26/22 20:36	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 09:41	08/26/22 20:36	7440-62-2		
7470 Mercury		Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA								
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:27	7439-97-6		
2540C Total Dissolved Solids		Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	140	mg/L	10.0	10.0	1		08/15/22 11:24			
300.0 IC Anions 28 Days		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	2.6	mg/L	1.0	0.60	1		08/20/22 19:27	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 19:27	16984-48-8		
Sulfate	2.3	mg/L	1.0	0.50	1		08/20/22 19:27	14808-79-8		

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: FB-4 **Lab ID: 92619171028** Collected: 08/10/22 14:00 Received: 08/11/22 09:02 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/18/22 11:22	08/18/22 20:39	7440-66-6	
Calcium	ND	mg/L	1.0	0.12	1	08/18/22 11:22	08/18/22 20:39	7440-70-2	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	0.0010J	mg/L	0.0030	0.00078	1	08/26/22 09:41	08/26/22 21:00	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 09:41	08/26/22 21:00	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/26/22 09:41	08/26/22 21:00	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 09:41	08/26/22 21:00	7440-41-7	
Boron	0.012J	mg/L	0.040	0.0086	1	08/26/22 09:41	08/26/22 21:00	7440-42-8	B
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 09:41	08/26/22 21:00	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 09:41	08/26/22 21:00	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 09:41	08/26/22 21:00	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 09:41	08/26/22 21:00	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 09:41	08/26/22 21:00	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 09:41	08/26/22 21:00	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 09:41	08/26/22 21:00	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 09:41	08/26/22 21:00	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 09:41	08/26/22 21:00	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 09:41	08/26/22 21:00	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A									
Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:30	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/15/22 11:24		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/20/22 19:42	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/20/22 19:42	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/20/22 19:42	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-16R **Lab ID: 92619171029** Collected: 08/11/22 09:00 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/15/22 14:19		
pH	7.05	Std. Units					08/15/22 14:19		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Aluminum	ND	mg/L	0.10	0.067	1	08/22/22 11:40	08/22/22 18:11	7429-90-5	M1
Iron	ND	mg/L	0.040	0.025	1	08/22/22 11:40	08/22/22 18:11	7439-89-6	M1
Zinc	0.036	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 18:11	7440-66-6	M1
Phosphorus	ND	mg/L	0.050	0.044	1	08/22/22 11:40	08/22/22 18:11	7723-14-0	M1
Potassium	2.9	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 18:11	7440-09-7	M1
Sodium	7.3	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 18:11	7440-23-5	M1
Calcium	71.6	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 18:11	7440-70-2	M1
Magnesium	30.8	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 18:11	7439-95-4	M1

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	0.0099	mg/L	0.0030	0.00078	1	08/26/22 09:41	08/26/22 23:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 09:41	08/26/22 23:11	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/26/22 09:41	08/26/22 23:11	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 09:41	08/26/22 23:11	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	08/26/22 09:41	08/26/22 23:11	7440-42-8	B
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 09:41	08/26/22 23:11	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 09:41	08/26/22 23:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 09:41	08/26/22 23:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 09:41	08/26/22 23:11	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 09:41	08/26/22 23:11	7439-92-1	
Nickel	0.0077	mg/L	0.0050	0.00071	1	08/26/22 09:41	08/26/22 23:11	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 09:41	08/26/22 23:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 09:41	08/26/22 23:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 09:41	08/26/22 23:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 09:41	08/26/22 23:11	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:33	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	306	mg/L	10.0	10.0	1		08/16/22 14:09		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	1.4	mg/L	1.0	0.60	1		08/22/22 14:34	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		08/22/22 14:34	16984-48-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-16R Lab ID: 92619171029 Collected: 08/11/22 09:00 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	5.0	mg/L	1.0	0.50	1		08/22/22 14:34	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-17R **Lab ID: 92619171030** Collected: 08/11/22 09:37 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer				1		08/15/22 14:20		
pH	7.27	Std. Units			1		08/15/22 14:20		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 18:57	7440-66-6	
Potassium	0.73	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 18:57	7440-09-7	
Sodium	2.3	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 18:57	7440-23-5	
Calcium	70.8	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 18:57	7440-70-2	
Magnesium	37.1	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 18:57	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 14:18	08/27/22 20:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 14:18	08/27/22 20:08	7440-38-2	
Barium	0.017	mg/L	0.0050	0.00067	1	08/26/22 14:18	08/27/22 20:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 14:18	08/27/22 20:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/26/22 14:18	08/27/22 20:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 14:18	08/27/22 20:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 14:18	08/27/22 20:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 14:18	08/27/22 20:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 14:18	08/27/22 20:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 14:18	08/27/22 20:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 14:18	08/27/22 20:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 14:18	08/27/22 20:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 14:18	08/27/22 20:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 14:18	08/27/22 20:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 14:18	08/27/22 20:08	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:40	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	296	mg/L	10.0	10.0	1		08/16/22 14:09		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	4.7	mg/L	1.0	0.60	1		08/22/22 14:49	16887-00-6	
Fluoride	0.051J	mg/L	0.10	0.050	1		08/22/22 14:49	16984-48-8	
Sulfate	6.6	mg/L	1.0	0.50	1		08/22/22 14:49	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Sample: GWC-23R **Lab ID: 92619171031** Collected: 08/11/22 10:20 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
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Field Data

Analytical Method:
Pace Analytical Services - Charlotte

Performed by	Customer						08/15/22 14:20		
pH	7.37	Std. Units					08/15/22 14:20		

6010D ATL ICP

Analytical Method: EPA 6010D Preparation Method: EPA 3010A
Pace Analytical Services - Peachtree Corners, GA

Zinc	ND	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 19:02	7440-66-6	
Potassium	1.6	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 19:02	7440-09-7	
Sodium	116	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 19:02	7440-23-5	
Calcium	67.0	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 19:02	7440-70-2	
Magnesium	34.8	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 19:02	7439-95-4	

6020 MET ICPMS

Analytical Method: EPA 6020B Preparation Method: EPA 3005A
Pace Analytical Services - Peachtree Corners, GA

Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 14:18	08/27/22 20:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 14:18	08/27/22 20:14	7440-38-2	
Barium	0.034	mg/L	0.0050	0.00067	1	08/26/22 14:18	08/27/22 20:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 14:18	08/27/22 20:14	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/26/22 14:18	08/27/22 20:14	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 14:18	08/27/22 20:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 14:18	08/27/22 20:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 14:18	08/27/22 20:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 14:18	08/27/22 20:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 14:18	08/27/22 20:14	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 14:18	08/27/22 20:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 14:18	08/27/22 20:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 14:18	08/27/22 20:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 14:18	08/27/22 20:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 14:18	08/27/22 20:14	7440-62-2	

7470 Mercury

Analytical Method: EPA 7470A Preparation Method: EPA 7470A
Pace Analytical Services - Peachtree Corners, GA

Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:43	7439-97-6	
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2540C Total Dissolved Solids

Analytical Method: SM 2540C-2015
Pace Analytical Services - Peachtree Corners, GA

Total Dissolved Solids	586	mg/L	20.0	20.0	1		08/16/22 14:18		
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300.0 IC Anions 28 Days

Analytical Method: EPA 300.0 Rev 2.1 1993
Pace Analytical Services - Asheville

Chloride	2.1	mg/L	1.0	0.60	1		08/22/22 15:04	16887-00-6	
Fluoride	0.073J	mg/L	0.10	0.050	1		08/22/22 15:04	16984-48-8	
Sulfate	143	mg/L	3.0	1.5	3		08/23/22 04:15	14808-79-8	

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ANALYTICAL RESULTS

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Sample: FB-5 **Lab ID: 92619171032** Collected: 08/11/22 16:25 Received: 08/15/22 10:41 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
6010D ATL ICP									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Zinc	ND	mg/L	0.020	0.0085	1	08/22/22 11:40	08/22/22 19:06	7440-66-6	
Potassium	ND	mg/L	0.20	0.15	1	08/22/22 11:40	08/22/22 19:06	7440-09-7	
Sodium	ND	mg/L	1.0	0.58	1	08/22/22 11:40	08/22/22 19:06	7440-23-5	
Calcium	ND	mg/L	1.0	0.12	1	08/22/22 11:40	08/22/22 19:06	7440-70-2	
Magnesium	ND	mg/L	0.050	0.012	1	08/22/22 11:40	08/22/22 19:06	7439-95-4	
6020 MET ICPMS									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/26/22 14:18	08/27/22 20:32	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0022	1	08/26/22 14:18	08/27/22 20:32	7440-38-2	
Barium	ND	mg/L	0.0050	0.00067	1	08/26/22 14:18	08/27/22 20:32	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/26/22 14:18	08/27/22 20:32	7440-41-7	
Boron	ND	mg/L	0.040	0.0086	1	08/26/22 14:18	08/27/22 20:32	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/26/22 14:18	08/27/22 20:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/26/22 14:18	08/27/22 20:32	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/26/22 14:18	08/27/22 20:32	7440-48-4	
Copper	ND	mg/L	0.0050	0.0010	1	08/26/22 14:18	08/27/22 20:32	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/26/22 14:18	08/27/22 20:32	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/26/22 14:18	08/27/22 20:32	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/26/22 14:18	08/27/22 20:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/26/22 14:18	08/27/22 20:32	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/26/22 14:18	08/27/22 20:32	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/26/22 14:18	08/27/22 20:32	7440-62-2	
7470 Mercury									
Analytical Method: EPA 7470A Preparation Method: EPA 7470A Pace Analytical Services - Peachtree Corners, GA									
Mercury	ND	mg/L	0.00020	0.00013	1	08/29/22 12:00	08/29/22 16:46	7439-97-6	
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/16/22 14:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	ND	mg/L	1.0	0.60	1		08/22/22 15:19	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/22/22 15:19	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		08/22/22 15:19	14808-79-8	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 716042 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3732858 Matrix: Water
 Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/11/22 18:28	
Zinc	mg/L	ND	0.020	0.0085	08/11/22 18:28	

LABORATORY CONTROL SAMPLE: 3732859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	
Zinc	mg/L	1	1.0	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3732860 3732861

Parameter	Units	92618826005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	7.1	1	1	7.9	8.2	83	111	75-125	3	20	
Zinc	mg/L	ND	1	1	1.0	1.0	100	104	75-125	4	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 718056 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

METHOD BLANK: 3743065 Matrix: Water
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/18/22 16:27	
Zinc	mg/L	ND	0.020	0.0085	08/18/22 16:27	

LABORATORY CONTROL SAMPLE: 3743066

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	107	80-120	
Zinc	mg/L	1	1.1	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3743067 3743068

Parameter	Units	92619171007		92619171008		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MSD Spike Conc.								
Calcium	mg/L	53.1	1	1	1	53.4	52.4	29	-68	75-125	2	20	M1
Zinc	mg/L	0.011J	1	1	1	1.0	1.0	102	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 718057 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171027, 92619171028

METHOD BLANK: 3743081 Matrix: Water

Associated Lab Samples: 92619171027, 92619171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/18/22 19:07	
Zinc	mg/L	ND	0.020	0.0085	08/18/22 19:07	

LABORATORY CONTROL SAMPLE: 3743082

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	110	80-120	
Zinc	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3743188 3743189

Parameter	Units	92619473001		MS		MSD		% Rec		Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec				
Calcium	mg/L	2930 ug/L	1	1	4.1	3.9	115	98	75-125	4	20		
Zinc	mg/L	114 ug/L	1	1	1.1	1.1	102	100	75-125	2	20		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 718681 Analysis Method: EPA 6010D
 QC Batch Method: EPA 3010A Analysis Description: 6010D ATL
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

METHOD BLANK: 3746088 Matrix: Water
 Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aluminum	mg/L	ND	0.10	0.067	08/22/22 18:02	
Calcium	mg/L	ND	1.0	0.12	08/22/22 18:02	
Iron	mg/L	ND	0.040	0.025	08/22/22 18:02	
Magnesium	mg/L	ND	0.050	0.012	08/22/22 18:02	
Phosphorus	mg/L	ND	0.050	0.044	08/22/22 18:02	
Potassium	mg/L	ND	0.20	0.15	08/22/22 18:02	
Sodium	mg/L	ND	1.0	0.58	08/22/22 18:02	
Zinc	mg/L	ND	0.020	0.0085	08/22/22 18:02	

LABORATORY CONTROL SAMPLE: 3746089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aluminum	mg/L	1	1.1	110	80-120	
Calcium	mg/L	1	1.0	103	80-120	
Iron	mg/L	1	1.0	101	80-120	
Magnesium	mg/L	1	1.0	104	80-120	
Phosphorus	mg/L	1	1.1	107	80-120	
Potassium	mg/L	1	1.1	115	80-120	
Sodium	mg/L	1	1.1	106	80-120	
Zinc	mg/L	1	1.1	108	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3746090 3746091

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92619171029 Result	Spike Conc.	Spike Conc.	Conc.								
Aluminum	mg/L	ND	1	1	1	2.1	2.3	214	228	75-125	6	20	M1
Calcium	mg/L	71.6	1	1	1	70.9	76.8	-66	517	75-125	8	20	M1
Iron	mg/L	ND	1	1	1	2.1	2.3	214	226	75-125	5	20	M1
Magnesium	mg/L	30.8	1	1	1	31.8	34.4	100	353	75-125	8	20	M1
Phosphorus	mg/L	ND	1	1	1	ND	ND	0	0	75-125		20	M1
Potassium	mg/L	2.9	1	1	1	4.9	5.2	202	234	75-125	6	20	M1
Sodium	mg/L	7.3	1	1	1	9.2	9.8	186	256	75-125	7	20	M1
Zinc	mg/L	0.036	1	1	1	0.25	0.26	22	22	75-125	3	20	M1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

QC Batch: 716046 Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3732885 Matrix: Water

Associated Lab Samples: 92619171001, 92619171002, 92619171003, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/12/22 18:44	
Arsenic	mg/L	ND	0.0050	0.0022	08/12/22 18:44	
Barium	mg/L	ND	0.0050	0.00067	08/12/22 18:44	
Beryllium	mg/L	ND	0.00050	0.000054	08/12/22 18:44	
Boron	mg/L	ND	0.040	0.0086	08/12/22 18:44	
Cadmium	mg/L	ND	0.00050	0.00011	08/12/22 18:44	
Chromium	mg/L	ND	0.0050	0.0011	08/12/22 18:44	
Cobalt	mg/L	ND	0.0050	0.00039	08/12/22 18:44	
Copper	mg/L	ND	0.0050	0.0010	08/12/22 18:44	
Lead	mg/L	ND	0.0010	0.00089	08/12/22 18:44	
Nickel	mg/L	ND	0.0050	0.00071	08/12/22 18:44	
Selenium	mg/L	ND	0.0050	0.0014	08/12/22 18:44	
Silver	mg/L	ND	0.0050	0.00044	08/12/22 18:44	
Thallium	mg/L	ND	0.0010	0.00018	08/12/22 18:44	
Vanadium	mg/L	ND	0.010	0.0019	08/12/22 18:44	

LABORATORY CONTROL SAMPLE: 3732886

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	115	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	104	80-120	
Cobalt	mg/L	0.1	0.10	103	80-120	
Copper	mg/L	0.1	0.10	103	80-120	
Lead	mg/L	0.1	0.093	93	80-120	
Nickel	mg/L	0.1	0.10	104	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Silver	mg/L	0.1	0.10	105	80-120	
Thallium	mg/L	0.1	0.090	90	80-120	
Vanadium	mg/L	0.1	0.11	107	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		3732887		3732888								
Parameter	Units	92618826010	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	Qual
		Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD		
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	115	112	75-125	3	20	
Arsenic	mg/L	0.0022J	0.1	0.1	0.098	0.096	96	93	75-125	3	20	
Barium	mg/L	0.085	0.1	0.1	0.22	0.21	134	126	75-125	4	20	M1
Beryllium	mg/L	ND	0.1	0.1	0.091	0.089	91	89	75-125	3	20	
Boron	mg/L	0.25	1	1	1.2	1.2	93	90	75-125	2	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	101	99	75-125	2	20	
Cobalt	mg/L	0.00080J	0.1	0.1	0.10	0.098	99	97	75-125	2	20	
Copper	mg/L	ND	0.1	0.1	0.098	0.096	98	96	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.093	0.090	93	90	75-125	4	20	
Nickel	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.090	0.089	90	89	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.091	0.088	91	88	75-125	3	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	1	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 718385 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

METHOD BLANK: 3744753 Matrix: Water
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	0.00097J	0.0030	0.00078	08/24/22 15:09	
Arsenic	mg/L	ND	0.0050	0.0022	08/24/22 15:09	
Barium	mg/L	ND	0.0050	0.00067	08/24/22 15:09	
Beryllium	mg/L	ND	0.00050	0.000054	08/24/22 15:09	
Boron	mg/L	ND	0.040	0.0086	08/24/22 15:09	
Cadmium	mg/L	ND	0.00050	0.00011	08/24/22 15:09	
Chromium	mg/L	ND	0.0050	0.0011	08/24/22 15:09	
Cobalt	mg/L	ND	0.0050	0.00039	08/24/22 15:09	
Copper	mg/L	ND	0.0050	0.0010	08/24/22 15:09	
Lead	mg/L	ND	0.0010	0.00089	08/24/22 15:09	
Nickel	mg/L	ND	0.0050	0.00071	08/24/22 15:09	
Selenium	mg/L	ND	0.0050	0.0014	08/24/22 15:09	
Silver	mg/L	ND	0.0050	0.00044	08/24/22 15:09	
Thallium	mg/L	ND	0.0010	0.00018	08/24/22 15:09	
Vanadium	mg/L	ND	0.010	0.0019	08/24/22 15:09	

LABORATORY CONTROL SAMPLE: 3744754

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	109	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	103	80-120	
Cobalt	mg/L	0.1	0.10	101	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	101	80-120	
Nickel	mg/L	0.1	0.10	101	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	100	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.10	103	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Parameter	Units	92619171007		MS		MSD		3744755		3744756		Qual
		Result	Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	111	109	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	104	102	75-125	2	20	
Barium	mg/L	0.037	0.1	0.1	0.14	0.14	104	101	75-125	2	20	
Beryllium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	
Boron	mg/L	0.023J	1	1	1.0	1.0	102	101	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	101	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.11	0.10	105	103	75-125	2	20	
Cobalt	mg/L	ND	0.1	0.1	0.10	0.099	102	99	75-125	3	20	
Copper	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Lead	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Nickel	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	103	101	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	3	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.099	103	99	75-125	4	20	
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	108	106	75-125	2	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 719812 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171027, 92619171028, 92619171029

METHOD BLANK: 3751329 Matrix: Water
 Associated Lab Samples: 92619171027, 92619171028, 92619171029

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/26/22 20:24	
Arsenic	mg/L	ND	0.0050	0.0022	08/26/22 20:24	
Barium	mg/L	ND	0.0050	0.00067	08/26/22 20:24	
Beryllium	mg/L	ND	0.00050	0.000054	08/26/22 20:24	
Boron	mg/L	0.020J	0.040	0.0086	08/26/22 20:24	
Cadmium	mg/L	ND	0.00050	0.00011	08/26/22 20:24	
Chromium	mg/L	ND	0.0050	0.0011	08/26/22 20:24	
Cobalt	mg/L	ND	0.0050	0.00039	08/26/22 20:24	
Copper	mg/L	ND	0.0050	0.0010	08/26/22 20:24	
Lead	mg/L	ND	0.0010	0.00089	08/26/22 20:24	
Nickel	mg/L	ND	0.0050	0.00071	08/26/22 20:24	
Selenium	mg/L	ND	0.0050	0.0014	08/26/22 20:24	
Silver	mg/L	ND	0.0050	0.00044	08/26/22 20:24	
Thallium	mg/L	ND	0.0010	0.00018	08/26/22 20:24	
Vanadium	mg/L	ND	0.010	0.0019	08/26/22 20:24	

LABORATORY CONTROL SAMPLE: 3751330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	113	80-120	
Arsenic	mg/L	0.1	0.099	99	80-120	
Barium	mg/L	0.1	0.10	102	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.093	93	80-120	
Copper	mg/L	0.1	0.093	93	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.093	93	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.099	99	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Parameter	Units	3751331		3751332		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	107	111	75-125	4	20		
Arsenic	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20		
Barium	mg/L	0.015	0.1	0.1	0.11	0.12	100	101	75-125	1	20		
Beryllium	mg/L	0.000082J	0.1	0.1	0.098	0.097	97	97	75-125	1	20		
Boron	mg/L	0.019J	1	1	1.0	1.0	100	98	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.099	0.098	98	97	75-125	2	20		
Cobalt	mg/L	ND	0.1	0.1	0.096	0.094	96	94	75-125	2	20		
Copper	mg/L	ND	0.1	0.1	0.093	0.091	93	91	75-125	2	20		
Lead	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20		
Nickel	mg/L	ND	0.1	0.1	0.095	0.094	95	94	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.097	99	97	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.098	0.099	98	99	75-125	0	20		
Thallium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	0	20		
Vanadium	mg/L	ND	0.1	0.1	0.099	0.099	99	99	75-125	0	20		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 719833 Analysis Method: EPA 6020B
 QC Batch Method: EPA 3005A Analysis Description: 6020 MET
 Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92619171030, 92619171031, 92619171032

METHOD BLANK: 3751482 Matrix: Water

Associated Lab Samples: 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/27/22 19:20	
Arsenic	mg/L	ND	0.0050	0.0022	08/27/22 19:20	
Barium	mg/L	ND	0.0050	0.00067	08/27/22 19:20	
Beryllium	mg/L	ND	0.00050	0.000054	08/27/22 19:20	
Boron	mg/L	ND	0.040	0.0086	08/27/22 19:20	
Cadmium	mg/L	ND	0.00050	0.00011	08/27/22 19:20	
Chromium	mg/L	ND	0.0050	0.0011	08/27/22 19:20	
Cobalt	mg/L	ND	0.0050	0.00039	08/27/22 19:20	
Copper	mg/L	ND	0.0050	0.0010	08/27/22 19:20	
Lead	mg/L	ND	0.0010	0.00089	08/27/22 19:20	
Nickel	mg/L	ND	0.0050	0.00071	08/27/22 19:20	
Selenium	mg/L	ND	0.0050	0.0014	08/27/22 19:20	
Silver	mg/L	ND	0.0050	0.00044	08/27/22 19:20	
Thallium	mg/L	ND	0.0010	0.00018	08/27/22 19:20	
Vanadium	mg/L	ND	0.010	0.0019	08/27/22 19:20	

LABORATORY CONTROL SAMPLE: 3751483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	1.0	100	80-120	
Cadmium	mg/L	0.1	0.095	95	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.092	92	80-120	
Copper	mg/L	0.1	0.092	92	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.092	92	80-120	
Selenium	mg/L	0.1	0.096	96	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

Parameter	Units	92620555001		3751484		3751485		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.10	0.11	104	106	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Barium	mg/L	55.2 ug/L	0.1	0.1	0.15	0.16	96	101	75-125	4	20			
Beryllium	mg/L	0.054J ug/L	0.1	0.1	0.093	0.096	93	96	75-125	3	20			
Boron	mg/L	8.7J ug/L	1	1	0.97	0.98	96	98	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.094	0.097	94	97	75-125	3	20			
Chromium	mg/L	1.4J ug/L	0.1	0.1	0.098	0.097	96	96	75-125	1	20			
Cobalt	mg/L	ND	0.1	0.1	0.094	0.095	94	95	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20			
Lead	mg/L	ND	0.1	0.1	0.096	0.095	96	95	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20			
Selenium	mg/L	ND	0.1	0.1	0.095	0.096	95	96	75-125	1	20			
Silver	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20			
Thallium	mg/L	ND	0.1	0.1	0.097	0.097	96	97	75-125	1	20			
Vanadium	mg/L	3.0J ug/L	0.1	0.1	0.10	0.10	98	97	75-125	1	20			

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 719865 Analysis Method: EPA 7470A
 QC Batch Method: EPA 7470A Analysis Description: 7470 Mercury
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028, 92619171029, 92619171030, 92619171031, 92619171032

METHOD BLANK: 3751705 Matrix: Water
 Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028, 92619171029, 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.00013	08/29/22 15:55	

LABORATORY CONTROL SAMPLE: 3751706

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.0025	0.0026	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3751707 3751708

Parameter	Units	92619171021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.0025	0.0025	0.0020	0.0024	80	95	75-125	17	20	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 715879 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171002, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3731855 Matrix: Water
 Associated Lab Samples: 92619171002, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/09/22 10:01	

LABORATORY CONTROL SAMPLE: 3731856

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	384	96	80-120	

SAMPLE DUPLICATE: 3731857

Parameter	Units	92618823005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	334	334	0	25	

SAMPLE DUPLICATE: 3731858

Parameter	Units	92618820016 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	302	335	10	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 716396 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171001, 92619171003

METHOD BLANK: 3734636 Matrix: Water
 Associated Lab Samples: 92619171001, 92619171003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/11/22 10:34	

LABORATORY CONTROL SAMPLE: 3734637

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	386	96	80-120	

SAMPLE DUPLICATE: 3735020

Parameter	Units	92618826003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	224	225	0	25	

SAMPLE DUPLICATE: 3735021

Parameter	Units	92618826011 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	285	282	1	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 716789 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

METHOD BLANK: 3736560 Matrix: Water
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020, 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/12/22 08:57	

LABORATORY CONTROL SAMPLE: 3736561

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	80-120	

SAMPLE DUPLICATE: 3736562

Parameter	Units	92619171007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	232	236	2	25	

SAMPLE DUPLICATE: 3736563

Parameter	Units	92619171017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	102	156	42	25 D6	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 717151 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171027, 92619171028

METHOD BLANK: 3738466 Matrix: Water
 Associated Lab Samples: 92619171027, 92619171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/15/22 11:23	

LABORATORY CONTROL SAMPLE: 3738467

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	415	104	80-120	

SAMPLE DUPLICATE: 3738468

Parameter	Units	92620164002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	226	227	0	25	

SAMPLE DUPLICATE: 3738469

Parameter	Units	92619171028 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 717426 Analysis Method: SM 2540C-2015
 QC Batch Method: SM 2540C-2015 Analysis Description: 2540C Total Dissolved Solids
 Laboratory: Pace Analytical Services - Peachtree Corners, GA
 Associated Lab Samples: 92619171031, 92619171032

METHOD BLANK: 3739848 Matrix: Water
 Associated Lab Samples: 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/16/22 14:15	

LABORATORY CONTROL SAMPLE: 3739849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	80-120	

SAMPLE DUPLICATE: 3739850

Parameter	Units	92618822013 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	134	138	3	25	

SAMPLE DUPLICATE: 3739851

Parameter	Units	92618822004 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	940	924	2	25	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 717492 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92619171001, 92619171002

METHOD BLANK: 3740200 Matrix: Water

Associated Lab Samples: 92619171001, 92619171002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/17/22 07:54	
Fluoride	mg/L	ND	0.10	0.050	08/17/22 07:54	
Sulfate	mg/L	ND	1.0	0.50	08/17/22 07:54	

LABORATORY CONTROL SAMPLE: 3740201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.5	95	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	47.6	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3740202 3740203

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92619725001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	64.1	50	50	105	105	82	83	90-110	1	10	M1	
Fluoride	mg/L	0.38	2.5	2.5	2.7	2.8	94	96	90-110	2	10		
Sulfate	mg/L	288	50	50	337	338	99	100	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3740204 3740205

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92618826008 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	5.0	50	50	59.1	59.0	108	108	90-110	0	10		
Fluoride	mg/L	0.075J	2.5	2.5	2.8	2.8	107	108	90-110	1	10		
Sulfate	mg/L	217	50	50	264	265	95	96	90-110	0	10		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch: 717794 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92619171003, 92619171004, 92619171005, 92619171006

METHOD BLANK: 3741771 Matrix: Water
 Associated Lab Samples: 92619171003, 92619171004, 92619171005, 92619171006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/17/22 20:45	
Fluoride	mg/L	ND	0.10	0.050	08/17/22 20:45	
Sulfate	mg/L	ND	1.0	0.50	08/17/22 20:45	

LABORATORY CONTROL SAMPLE: 3741772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.9	102	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	49.6	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3741773 3741774

Parameter	Units	92619171003		3741773		3741774		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Chloride	mg/L	0.96J	50	50	52.8	52.5	104	103	90-110	0	10		
Fluoride	mg/L	0.073J	2.5	2.5	2.5	2.5	96	97	90-110	0	10		
Sulfate	mg/L	1.4	50	50	51.6	51.5	100	100	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3741775 3741776

Parameter	Units	92620477006		3741775		3741776		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Chloride	mg/L	10.3	50	50	62.4	60.9	104	101	90-110	2	10		
Fluoride	mg/L	0.59	2.5	2.5	3.3	3.2	109	105	90-110	3	10		
Sulfate	mg/L	11.0	50	50	61.8	60.5	102	99	90-110	2	10		

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4

Pace Project No.: 92619171

QC Batch:	718416	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020

METHOD BLANK: 3744911 Matrix: Water
 Associated Lab Samples: 92619171007, 92619171008, 92619171009, 92619171010, 92619171011, 92619171012, 92619171013, 92619171014, 92619171015, 92619171016, 92619171017, 92619171018, 92619171019, 92619171020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/20/22 19:31	
Fluoride	mg/L	ND	0.10	0.050	08/20/22 19:31	
Sulfate	mg/L	ND	1.0	0.50	08/20/22 19:31	

LABORATORY CONTROL SAMPLE: 3744912

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.7	108	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3744913 3744914

Parameter	Units	92621269001		3744914		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	5.4	50	54.6	55.3	99	100	90-110	1	10	
Fluoride	mg/L	0.12	2.5	2.7	2.7	104	104	90-110	0	10	
Sulfate	mg/L	5.5	50	55.3	56.0	99	101	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3744915 3744916

Parameter	Units	92619171011		3744916		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	2.2	50	51.8	52.3	99	100	90-110	1	10	
Fluoride	mg/L	0.066J	2.5	2.7	2.7	104	104	90-110	0	10	
Sulfate	mg/L	1.5	50	51.2	51.8	100	101	90-110	1	10	

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 718488 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028

METHOD BLANK: 3745401 Matrix: Water
 Associated Lab Samples: 92619171021, 92619171022, 92619171023, 92619171024, 92619171025, 92619171026, 92619171027, 92619171028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/20/22 12:59	
Fluoride	mg/L	ND	0.10	0.050	08/20/22 12:59	
Sulfate	mg/L	ND	1.0	0.50	08/20/22 12:59	

LABORATORY CONTROL SAMPLE: 3745402

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.6	105	90-110	
Sulfate	mg/L	50	50.3	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745403 3745404

Parameter	Units	92621298001		3745404		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	8.1	50	50	59.8	60.0	103	104	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	103	104	90-110	1	10
Sulfate	mg/L	18.8	50	50	69.7	69.7	102	102	90-110	0	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745405 3745406

Parameter	Units	92619171021		3745406		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.6	50	50	54.5	54.6	104	104	90-110	0	10
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	98	100	90-110	1	10
Sulfate	mg/L	2.1	50	50	52.7	52.9	101	102	90-110	0	10

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QUALITY CONTROL DATA

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

QC Batch: 718644 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

METHOD BLANK: 3745974 Matrix: Water
 Associated Lab Samples: 92619171029, 92619171030, 92619171031, 92619171032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/22/22 08:12	
Fluoride	mg/L	ND	0.10	0.050	08/22/22 08:12	
Sulfate	mg/L	ND	1.0	0.50	08/22/22 08:12	

LABORATORY CONTROL SAMPLE: 3745975

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.2	102	90-110	
Fluoride	mg/L	2.5	2.7	106	90-110	
Sulfate	mg/L	50	49.9	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745976 3745977

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92618822016 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	148	50	50	184	186	71	76	90-110	1	10	M1	
Fluoride	mg/L	0.086J	2.5	2.5	2.6	2.6	100	102	90-110	2	10		
Sulfate	mg/L	423	50	50	444	451	42	57	90-110	2	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3745978 3745979

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92619003009 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	42.1	50	50	94.5	94.7	105	105	90-110	0	10		
Fluoride	mg/L	0.056J	2.5	2.5	2.5	2.6	99	101	90-110	2	10		
Sulfate	mg/L	2030	50	50	2070	2070	93	81	90-110	0	10	M1	

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QUALIFIERS

Project: BOWEN LF CELLS 3&4
Pace Project No.: 92619171

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171001	GWA-38				
92619171002	GWA-52				
92619171003	GWA-54				
92619171004	GWA-56				
92619171007	GWA-36A				
92619171008	GWA-36RA				
92619171009	GWA-37				
92619171010	GWA-53				
92619171011	GWA-53R				
92619171012	GWA-55				
92619171013	GWA-55R				
92619171016	GWA-51RZ				
92619171017	GWC-19R				
92619171018	GWC-20R				
92619171019	GWC-24R				
92619171020	GWC-25R				
92619171023	GWC-18				
92619171024	GWC-18R				
92619171025	GWC-21R				
92619171026	GWC-22R				
92619171029	GWC-16R				
92619171030	GWC-17R				
92619171031	GWC-23R				
92619171001	GWA-38	EPA 3010A	716042	EPA 6010D	716585
92619171002	GWA-52	EPA 3010A	716042	EPA 6010D	716585
92619171003	GWA-54	EPA 3010A	716042	EPA 6010D	716585
92619171004	GWA-56	EPA 3010A	716042	EPA 6010D	716585
92619171005	DUP-1	EPA 3010A	716042	EPA 6010D	716585
92619171006	FB-1	EPA 3010A	716042	EPA 6010D	716585
92619171007	GWA-36A	EPA 3010A	718056	EPA 6010D	718142
92619171008	GWA-36RA	EPA 3010A	718056	EPA 6010D	718142
92619171009	GWA-37	EPA 3010A	718056	EPA 6010D	718142
92619171010	GWA-53	EPA 3010A	718056	EPA 6010D	718142
92619171011	GWA-53R	EPA 3010A	718056	EPA 6010D	718142
92619171012	GWA-55	EPA 3010A	718056	EPA 6010D	718142
92619171013	GWA-55R	EPA 3010A	718056	EPA 6010D	718142
92619171014	FB-2	EPA 3010A	718056	EPA 6010D	718142
92619171015	EB-1	EPA 3010A	718056	EPA 6010D	718142
92619171016	GWA-51RZ	EPA 3010A	718056	EPA 6010D	718142
92619171017	GWC-19R	EPA 3010A	718056	EPA 6010D	718142
92619171018	GWC-20R	EPA 3010A	718056	EPA 6010D	718142
92619171019	GWC-24R	EPA 3010A	718056	EPA 6010D	718142
92619171020	GWC-25R	EPA 3010A	718056	EPA 6010D	718142
92619171021	DUP-2	EPA 3010A	718056	EPA 6010D	718142
92619171022	FB-3	EPA 3010A	718056	EPA 6010D	718142
92619171023	GWC-18	EPA 3010A	718056	EPA 6010D	718142
92619171024	GWC-18R	EPA 3010A	718056	EPA 6010D	718142
92619171025	GWC-21R	EPA 3010A	718056	EPA 6010D	718142

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171026	GWC-22R	EPA 3010A	718056	EPA 6010D	718142
92619171027	DUP-3	EPA 3010A	718057	EPA 6010D	718149
92619171028	FB-4	EPA 3010A	718057	EPA 6010D	718149
92619171029	GWC-16R	EPA 3010A	718681	EPA 6010D	718747
92619171030	GWC-17R	EPA 3010A	718681	EPA 6010D	718747
92619171031	GWC-23R	EPA 3010A	718681	EPA 6010D	718747
92619171032	FB-5	EPA 3010A	718681	EPA 6010D	718747
92619171001	GWA-38	EPA 3005A	716046	EPA 6020B	716279
92619171002	GWA-52	EPA 3005A	716046	EPA 6020B	716279
92619171003	GWA-54	EPA 3005A	716046	EPA 6020B	716279
92619171004	GWA-56	EPA 3005A	716046	EPA 6020B	716279
92619171005	DUP-1	EPA 3005A	716046	EPA 6020B	716279
92619171006	FB-1	EPA 3005A	716046	EPA 6020B	716279
92619171007	GWA-36A	EPA 3005A	718385	EPA 6020B	718456
92619171008	GWA-36RA	EPA 3005A	718385	EPA 6020B	718456
92619171009	GWA-37	EPA 3005A	718385	EPA 6020B	718456
92619171010	GWA-53	EPA 3005A	718385	EPA 6020B	718456
92619171011	GWA-53R	EPA 3005A	718385	EPA 6020B	718456
92619171012	GWA-55	EPA 3005A	718385	EPA 6020B	718456
92619171013	GWA-55R	EPA 3005A	718385	EPA 6020B	718456
92619171014	FB-2	EPA 3005A	718385	EPA 6020B	718456
92619171015	EB-1	EPA 3005A	718385	EPA 6020B	718456
92619171016	GWA-51RZ	EPA 3005A	718385	EPA 6020B	718456
92619171017	GWC-19R	EPA 3005A	718385	EPA 6020B	718456
92619171018	GWC-20R	EPA 3005A	718385	EPA 6020B	718456
92619171019	GWC-24R	EPA 3005A	718385	EPA 6020B	718456
92619171020	GWC-25R	EPA 3005A	718385	EPA 6020B	718456
92619171021	DUP-2	EPA 3005A	718385	EPA 6020B	718456
92619171022	FB-3	EPA 3005A	718385	EPA 6020B	718456
92619171023	GWC-18	EPA 3005A	718385	EPA 6020B	718456
92619171024	GWC-18R	EPA 3005A	718385	EPA 6020B	718456
92619171025	GWC-21R	EPA 3005A	718385	EPA 6020B	718456
92619171026	GWC-22R	EPA 3005A	718385	EPA 6020B	718456
92619171027	DUP-3	EPA 3005A	719812	EPA 6020B	719875
92619171028	FB-4	EPA 3005A	719812	EPA 6020B	719875
92619171029	GWC-16R	EPA 3005A	719812	EPA 6020B	719875
92619171030	GWC-17R	EPA 3005A	719833	EPA 6020B	719944
92619171031	GWC-23R	EPA 3005A	719833	EPA 6020B	719944
92619171032	FB-5	EPA 3005A	719833	EPA 6020B	719944
92619171001	GWA-38	EPA 7470A	719863	EPA 7470A	720168
92619171002	GWA-52	EPA 7470A	719863	EPA 7470A	720168
92619171003	GWA-54	EPA 7470A	719863	EPA 7470A	720168
92619171004	GWA-56	EPA 7470A	719863	EPA 7470A	720168
92619171005	DUP-1	EPA 7470A	719863	EPA 7470A	720168
92619171006	FB-1	EPA 7470A	719863	EPA 7470A	720168

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171007	GWA-36A	EPA 7470A	719863	EPA 7470A	720168
92619171008	GWA-36RA	EPA 7470A	719863	EPA 7470A	720168
92619171009	GWA-37	EPA 7470A	719863	EPA 7470A	720168
92619171010	GWA-53	EPA 7470A	719863	EPA 7470A	720168
92619171011	GWA-53R	EPA 7470A	719863	EPA 7470A	720168
92619171012	GWA-55	EPA 7470A	719863	EPA 7470A	720168
92619171013	GWA-55R	EPA 7470A	719863	EPA 7470A	720168
92619171014	FB-2	EPA 7470A	719863	EPA 7470A	720168
92619171015	EB-1	EPA 7470A	719863	EPA 7470A	720168
92619171016	GWA-51RZ	EPA 7470A	719863	EPA 7470A	720168
92619171017	GWC-19R	EPA 7470A	719863	EPA 7470A	720168
92619171018	GWC-20R	EPA 7470A	719863	EPA 7470A	720168
92619171019	GWC-24R	EPA 7470A	719863	EPA 7470A	720168
92619171020	GWC-25R	EPA 7470A	719863	EPA 7470A	720168
92619171021	DUP-2	EPA 7470A	719865	EPA 7470A	720169
92619171022	FB-3	EPA 7470A	719865	EPA 7470A	720169
92619171023	GWC-18	EPA 7470A	719865	EPA 7470A	720169
92619171024	GWC-18R	EPA 7470A	719865	EPA 7470A	720169
92619171025	GWC-21R	EPA 7470A	719865	EPA 7470A	720169
92619171026	GWC-22R	EPA 7470A	719865	EPA 7470A	720169
92619171027	DUP-3	EPA 7470A	719865	EPA 7470A	720169
92619171028	FB-4	EPA 7470A	719865	EPA 7470A	720169
92619171029	GWC-16R	EPA 7470A	719865	EPA 7470A	720169
92619171030	GWC-17R	EPA 7470A	719865	EPA 7470A	720169
92619171031	GWC-23R	EPA 7470A	719865	EPA 7470A	720169
92619171032	FB-5	EPA 7470A	719865	EPA 7470A	720169
92619171001	GWA-38	SM 2540C-2015	716396		
92619171002	GWA-52	SM 2540C-2015	715879		
92619171003	GWA-54	SM 2540C-2015	716396		
92619171004	GWA-56	SM 2540C-2015	715879		
92619171005	DUP-1	SM 2540C-2015	715879		
92619171006	FB-1	SM 2540C-2015	715879		
92619171007	GWA-36A	SM 2540C-2015	716789		
92619171008	GWA-36RA	SM 2540C-2015	716789		
92619171009	GWA-37	SM 2540C-2015	716789		
92619171010	GWA-53	SM 2540C-2015	716789		
92619171011	GWA-53R	SM 2540C-2015	716789		
92619171012	GWA-55	SM 2540C-2015	716789		
92619171013	GWA-55R	SM 2540C-2015	716789		
92619171014	FB-2	SM 2540C-2015	716789		
92619171015	EB-1	SM 2540C-2015	716789		
92619171016	GWA-51RZ	SM 2540C-2015	716789		
92619171017	GWC-19R	SM 2540C-2015	716789		
92619171018	GWC-20R	SM 2540C-2015	716789		
92619171019	GWC-24R	SM 2540C-2015	716789		
92619171020	GWC-25R	SM 2540C-2015	716789		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BOWEN LF CELLS 3&4
 Pace Project No.: 92619171

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92619171021	DUP-2	SM 2540C-2015	716789		
92619171022	FB-3	SM 2540C-2015	716789		
92619171023	GWC-18	SM 2540C-2015	716789		
92619171024	GWC-18R	SM 2540C-2015	716789		
92619171025	GWC-21R	SM 2540C-2015	716789		
92619171026	GWC-22R	SM 2540C-2015	716789		
92619171027	DUP-3	SM 2540C-2015	717151		
92619171028	FB-4	SM 2540C-2015	717151		
92619171029	GWC-16R	SM 2540C-2015	717424		
92619171030	GWC-17R	SM 2540C-2015	717424		
92619171031	GWC-23R	SM 2540C-2015	717426		
92619171032	FB-5	SM 2540C-2015	717426		
92619171001	GWA-38	EPA 300.0 Rev 2.1 1993	717492		
92619171002	GWA-52	EPA 300.0 Rev 2.1 1993	717492		
92619171003	GWA-54	EPA 300.0 Rev 2.1 1993	717794		
92619171004	GWA-56	EPA 300.0 Rev 2.1 1993	717794		
92619171005	DUP-1	EPA 300.0 Rev 2.1 1993	717794		
92619171006	FB-1	EPA 300.0 Rev 2.1 1993	717794		
92619171007	GWA-36A	EPA 300.0 Rev 2.1 1993	718416		
92619171008	GWA-36RA	EPA 300.0 Rev 2.1 1993	718416		
92619171009	GWA-37	EPA 300.0 Rev 2.1 1993	718416		
92619171010	GWA-53	EPA 300.0 Rev 2.1 1993	718416		
92619171011	GWA-53R	EPA 300.0 Rev 2.1 1993	718416		
92619171012	GWA-55	EPA 300.0 Rev 2.1 1993	718416		
92619171013	GWA-55R	EPA 300.0 Rev 2.1 1993	718416		
92619171014	FB-2	EPA 300.0 Rev 2.1 1993	718416		
92619171015	EB-1	EPA 300.0 Rev 2.1 1993	718416		
92619171016	GWA-51RZ	EPA 300.0 Rev 2.1 1993	718416		
92619171017	GWC-19R	EPA 300.0 Rev 2.1 1993	718416		
92619171018	GWC-20R	EPA 300.0 Rev 2.1 1993	718416		
92619171019	GWC-24R	EPA 300.0 Rev 2.1 1993	718416		
92619171020	GWC-25R	EPA 300.0 Rev 2.1 1993	718416		
92619171021	DUP-2	EPA 300.0 Rev 2.1 1993	718488		
92619171022	FB-3	EPA 300.0 Rev 2.1 1993	718488		
92619171023	GWC-18	EPA 300.0 Rev 2.1 1993	718488		
92619171024	GWC-18R	EPA 300.0 Rev 2.1 1993	718488		
92619171025	GWC-21R	EPA 300.0 Rev 2.1 1993	718488		
92619171026	GWC-22R	EPA 300.0 Rev 2.1 1993	718488		
92619171027	DUP-3	EPA 300.0 Rev 2.1 1993	718488		
92619171028	FB-4	EPA 300.0 Rev 2.1 1993	718488		
92619171029	GWC-16R	EPA 300.0 Rev 2.1 1993	718644		
92619171030	GWC-17R	EPA 300.0 Rev 2.1 1993	718644		
92619171031	GWC-23R	EPA 300.0 Rev 2.1 1993	718644		
92619171032	FB-5	EPA 300.0 Rev 2.1 1993	718644		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Knoxville

Sample Condition Upon Receipt

Client Name: G-A Power

Project #: **WO#: 92619171**



Courier: Commercial FedEx Pace UPS USPS Client Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 5/12/22 CPG

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen? Yes No N/A

Thermometer: IR Gun ID: 214 Type of Ice: Wet Blue None

Cooler Temp: 1.2 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 1.2

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

		Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>	
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

pH Strip Lot# 10D4611

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92619171

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Col form, TOC, Oil and Grease, DRO/ROIS (water) DOC, L/Hg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Project #

PN: NMG

Due Date: 08/22/22

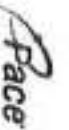
CLIENT: GA-GA Power

Item#	BP40-125 mL Plastic Unpreserved (N/A) (Cl-)	BP30-250 mL Plastic Unpreserved (N/A)	BP20-500 mL Plastic Unpreserved (N/A)	BP10-1 liter Plastic Unpreserved (N/A)	BP45-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP35-250 mL plastic HNO3 (pH < 2)	BP42-125 mL Plastic 2N Acetate & NaOH (>9)	BP48-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFL Wide-mouthed Glass Jar Unpreserved	AG10-1 liter Amber Unpreserved (N/A) (Cl-)	AG16-1 liter Amber HCl (pH < 2)	AG30-250 mL Amber Unpreserved (N/A) (Cl-)	AG15-1 liter Amber H2SO4 (pH < 2)	AG35-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber Ni-40 (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9F-40 mL VOA H2SO4 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG95-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP3T-125 mL Sterile Plastic (N/A - lab)	SP3T-250 mL Sterile Plastic (N/A - lab)		BP38-250 mL Plastic (NH2)2SO4 (9.9-5.7)	AG00-100 mL Amber Unpreserved (N/A) (Cl-)	VSGLU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																														
2																														
3																														
4																														
5																														
6																														
7																														
8																														
9																														
10																														
11																														
12																														

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://info.pacelabs.com/hubs/jpcr-standards.html>

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: **Georgia Power** Address: **241 Ralph McGill Blvd, 4E Atlanta, GA 30338** Email: **kyrinal@geopower.com** Phone: **(478) 217-0008** Requested Date: **Standard**

Section B Required Project Information: Report To: **Kristen Ayers, Cassidy Sutherland** Copy To: **Laura Miller, Ben Hodges, Matt Smiley** Project Name: **Bowen LF Cells 3&4** Requested Date: **Standard**

Section C Invoice Information: Address: **Atlanta** Company Name: **Georgia Power** Address: **241 Ralph McGill Blvd, NE, Atlanta, GA 30338** PACE Project Manager: **mcclellan@geopower.com** PACE Profile #: **10594**

Company:	Georgia Power	Report To:	Kristen Ayers, Cassidy Sutherland
Address:	241 Ralph McGill Blvd, 4E Atlanta, GA 30338	Copy To:	Laura Miller, Ben Hodges, Matt Smiley
Email:	kyrinal@geopower.com	Project Name:	Bowen LF Cells 3&4
Phone:	(478) 217-0008	Requested Date:	Standard
Requested Date:	Standard	Project #:	

SAMPLE ID	MATRIX CODE (See valid codes to left)	SAMPLE TYPE (G=GRAM C=COMP)	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analytes Test	Y/N	Residual Chlorine (Y/N)		
							H2SO4	HNO3	HCl	NaOH	Na2S2O3	Mercuric	Other				HMV + State Metals	Cl, F, SO4
25	DUP-1	WG G	8/5/22	---	3	2	1											
26	DUP-2	WG G																
27	DUP-5	WG G																
28	FB-1	WG G	8/5/22	1155	3	2	1											
29	FB-2	WG G																
30	FB-3	WG G																
31	FB-4	WG G																
32	FB-5	WG G																
33	EB-1	WG G																
34	EB-2	WG G																
35	EB-3	WG G																
36																		

ADDITIONAL COMMENTS	RELEASED BY / APPLICATION	DATE	TIME	ACCEPTED BY / APPLICATION	DATE	TIME	TEMP in C	Received on Ice (Y/N)	Custody	Sealed Cooler (Y/N)	Samples intact (Y/N)
	Willie Looker	8/5/22	0904	Yuan Sheng	8/5/22	0904					
	Kyrinal Sheng	8/5/22	0905	Yuan Sheng	8/5/22	0905					
	Kyan Willard	8/8/22	1455	Shane Tucker	8/8/22	1455					

SAAMPLER NAME AND SIGNATURE	
PROJECT Name of SAAMPLER: Meredith Duncan, Will Looker, Robert Mull	DATE Signed: 8/5/22
SIGNATURE of SAAMPLER: <i>Meredith Duncan</i>	



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville

Sample Condition Upon Receipt

Client Name:

Project #:

WO#: 92619171

PH: NMG

Due Date: 08/22/22

CLIENT: GA-GA Power

Courier: Commercial Fed Ex UPS USPS Client Other: _____

Custody Seal Present? Yes No Seals Intact? Yes No

Date/Initials Person Examining Contents: 8/11/22 LJC

Packing Material: Bubble Wrap Bubble Bags None Other

Biological Tissue Frozen?

Yes No N/A

Thermometer: IR Gun ID: 230

Type of Ice: Wet Blue None

Cooler Temp: 3.1 Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.1

USDA Regulated Soil (N/A, water sample)

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix:	<input checked="" type="checkbox"/>		
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

pH Strip Lot# 1004611

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

WO#: 92619171

Exceptions: VOA, Col form, TOC, Oil and Grease, DRO/BO15 (water) DOC, L.Hg

PM: NMG

Due Date: 08/22/22

**Bottom half of box is to list number of bottles

CLIENT: GR-GA Power

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3M-250 mL plastic HNO3 (pH < 2)	BP4B-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGRU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1M-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(C-)	DG3H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-)	V56U-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92619171

PM: NMG

Due Date: 08/22/22

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DR0/8015 (water) DOC, UHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3W-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic 2N Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WIGFU-Wicca-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG2H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG3S-1 liter Amber H2SO4 (pH < 2)	AG3W-250 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP9T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP9R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG6U-100 mL Amber Unpreserved (N/A) (C-)	V5GU-20 mL Scrubbing vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
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11	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

November 17, 2022

Joju Abraham
Georgia Power-CCR
2480 Maner Road
Atlanta, GA 30339

RE: Project: Bowen LF Cells 3&4
Pace Project No.: 92634569

Dear Joju Abraham:

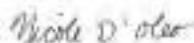
Enclosed are the analytical results for sample(s) received by the laboratory on November 03, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole D'Oleo
nicole.d'oleo@pacelabs.com
(704)875-9092
Project Manager

Enclosures

cc: Noelia Gangi, Georgia Power
Ben Hodges, Georgia Power
Kristen Jurinko
Carole Lieu, Stantec
Laura Midkiff, Georgia Power
Ms. Lauren Petty, Southern Company
Michael Smilley, Georgia Power
Brian Steele, Stantec
Andrew Stevens, Stantec
Tina Sullivan, ERM
Cassidy Sutherland, Stantec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001

South Carolina Drinking Water Cert. #: 99006003

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Louisiana DoH Drinking Water #: LA029

Virginia/VELAP Certification #: 460221

Pace Analytical Services Asheville

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Laboratory ID: 99030

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

Pace Analytical Services Peachtree Corners

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

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SAMPLE SUMMARY

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92634569001	GWC-23R	Water	11/03/22 09:37	11/03/22 12:10
92634569002	DUP-1	Water	11/03/22 00:00	11/03/22 12:10
92634569003	FB-1	Water	11/03/22 10:20	11/03/22 12:10

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SAMPLE ANALYTE COUNT

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92634569001	GWC-23R	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92634569002	DUP-1	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	1
92634569003	FB-1	SM 2540C-2015	DL1	1
		EPA 300.0 Rev 2.1 1993	CDC	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

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SUMMARY OF DETECTION

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92634569001	GWC-23R					
	Performed by	Customer			11/04/22 16:51	
	pH	6.65	Std. Units		11/04/22 16:51	
SM 2540C-2015	Total Dissolved Solids	573	mg/L	25.0	11/04/22 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	137	mg/L	3.0	11/05/22 07:21	
92634569002	DUP-1					
SM 2540C-2015	Total Dissolved Solids	547	mg/L	25.0	11/04/22 18:17	
EPA 300.0 Rev 2.1 1993	Sulfate	135	mg/L	3.0	11/05/22 07:35	
92634569003	FB-1					
SM 2540C-2015	Total Dissolved Solids	72.0	mg/L	25.0	11/04/22 18:18	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Sample: GWC-23R		Lab ID: 92634569001		Collected: 11/03/22 09:37	Received: 11/03/22 12:10	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Field Data									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	Customer				1		11/04/22 16:51		
pH	6.65	Std. Units			1		11/04/22 16:51		
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	573	mg/L	25.0	25.0	1		11/04/22 18:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	137	mg/L	3.0	1.5	3		11/05/22 07:21	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Sample: DUP-1 Lab ID: 92634569002 Collected: 11/03/22 00:00 Received: 11/03/22 12:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	547	mg/L	25.0	25.0	1		11/04/22 18:17		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	135	mg/L	3.0	1.5	3		11/05/22 07:35	14808-79-8	

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ANALYTICAL RESULTS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Sample: **FB-1** Lab ID: **92634569003** Collected: 11/03/22 10:20 Received: 11/03/22 12:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
2540C Total Dissolved Solids									
Analytical Method: SM 2540C-2015									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	72.0	mg/L	25.0	25.0	1		11/04/22 18:18		
300.0 IC Anions 28 Days									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Sulfate	ND	mg/L	1.0	0.50	1		11/05/22 03:51	14808-79-8	

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4
 Pace Project No.: 92634569

QC Batch:	734861	Analysis Method:	SM 2540C-2015
QC Batch Method:	SM 2540C-2015	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92634569001, 92634569002, 92634569003

METHOD BLANK: 3824811 Matrix: Water
 Associated Lab Samples: 92634569001, 92634569002, 92634569003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	25.0	11/04/22 19:33	

LABORATORY CONTROL SAMPLE: 3824812

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	372	93	80-120	

SAMPLE DUPLICATE: 3824813

Parameter	Units	92634425001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	824	812	1	10	

SAMPLE DUPLICATE: 3824814

Parameter	Units	92634210001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	1090	2660	84	10 D6	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

QC Batch: 734912 Analysis Method: EPA 300.0 Rev 2.1 1993
 QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions
 Laboratory: Pace Analytical Services - Asheville
 Associated Lab Samples: 92634569001, 92634569002, 92634569003

METHOD BLANK: 3824932 Matrix: Water
 Associated Lab Samples: 92634569001, 92634569002, 92634569003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfate	mg/L	ND	1.0	0.50	11/04/22 23:15	

LABORATORY CONTROL SAMPLE: 3824933

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	50	49.8	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3824934 3824935

Parameter	Units	92634083005		3824934		3824935		% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Sulfate	mg/L	ND	50	50	54.1	54.6	107	109	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3826259 3826260

Parameter	Units	92634656004		3826259		3826260		% Rec Limits	RPD	Max RPD	Qual	
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Sulfate	mg/L	59.3	50	50	106	106	94	92	90-110	1	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Bowen LF Cells 3&4

Pace Project No.: 92634569

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92634569001	GWC-23R				
92634569001	GWC-23R	SM 2540C-2015	734861		
92634569002	DUP-1	SM 2540C-2015	734861		
92634569003	FB-1	SM 2540C-2015	734861		
92634569001	GWC-23R	EPA 300.0 Rev 2.1 1993	734912		
92634569002	DUP-1	EPA 300.0 Rev 2.1 1993	734912		
92634569003	FB-1	EPA 300.0 Rev 2.1 1993	734912		

REPORT OF LABORATORY ANALYSIS

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DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

Laboratory receiving samples:

Asheville Eden Greenwood Huntersville Raleigh Mechanicsville Atlanta Kernersville

Sample Condition Upon Receipt

Client Name:

Georgia Power

Project #:

WO#: 92634569



92634569

Courier: Fed Ex UPS USPS Client Commercial Pace Other:

Custody Seal Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer:

IR Gun ID: 230

Type of Ice: Wet Blue None

Cooler Temp: 6.8 Correction Factor: Add/Subtract (°C) 0.0

Cooler Temp Corrected (°C): 6.8

USDA Regulated Soil (N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? Yes No

Biological Tissue Frozen?

Yes No N/A

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

			Comments/Discrepancy:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		1.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		2.
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		3.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		4.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		5.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		6.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		7.
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		8.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		9.
-Includes Date/Time/ID/Analysis Matrix: WG			
Headspace in VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		10.
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		11.
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? Yes No

On Receipt

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____



DC#_Title: ENV-FRM-HUN1-0083 v01_Sample Condition Upon Receipt

Effective Date: 05/12/2022

WO#: 92634569

Project #

PM: NMG

Due Date: 11/17/22

CLIENT: GA-GA Power

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

**Bottom half of box is to list number of bottles

***Check all unpreserved Nitrates for chlorine

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (C-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (C-)	BP3M-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic Zn Acetate & NaOH (pH)	BP4B-125 mL Plastic NaOH (pH > 12) (C-)	WGFU-Wide-mouthed Glass Jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (C-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (C-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-150 mL Amber H2SO4 (pH < 2)	DG94-250 mL Amber NH4Cl (N/A)(C-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	DG9S-40 mL VOA H2SO4 (N/A)	V/GK (3 vials per kit) VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3R-250 mL Plastic (NH2)2SO4 (3.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (C-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
2																													
3																													
4																													
5																													
6																													
7																													
8																													
9																													
10																													
11																													
12																													

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

Pace

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at <https://dnr.pacebio.com/hubfs/standard-terms.pdf>

CHAIN-OF-CUSTODY / Analytical Request Document

Section A Required Client Information: Georgia Power, 241 Ralph McGill Blvd, NE Atlanta, GA 30308, Email: bjurjen@ge.com, Phone: (478) 217-4008, Requested Due Date: Standard

Section B Required Project Information: Project To: Mission Justice, Capacity Switzerland, Copy To: Laura Meador, Ben Thompson, Mike Straley, North Georgia, Project Name: Bowen LF Cells 364, Requested Analysis Filtered (Y/N): State / Location: GA

Section C Analytical Information: Aspirator: Company Name: Georgia Power, Address: 241 Ralph McGill Blvd, NE Atlanta, GA 30308, POC Name: Mike Straley, POC Phone: (478) 217-4008, POC Email: mike.straley@ge.com, POC Title: POC

Main data table with columns: ITEM #, SAMPLE ID, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS, PRESERVATIVES, ANALYSES TEST, Residual Chlorine (Y/N), and SAMPLE CONDITIONS.

Signature and name fields: SAMPLE NAME AND SIGNATURE, PRINT Name of SAMPLER: William Lasker, SIGNATURE OF SAMPLER: [Signature], DATE Signed: 11/3/22

**Alternate Source Demonstration for Sulfate and Total Dissolved Solids
August 2022 Semi-Annual Event
Plant Bowen Landfill Cells 1 & 2, 3 & 4, and 9 & 10**

APPENDIX B BORING LOGS



Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **688.02**
 Top of PVC Casing Elevation (feet, NAVD88): **690.94**


WELL CONSTRUCTION LOG

Southern Company Generation

PROJECT:	Plant Bowen CCB	DRILLING CO.:	Boart Longyear	WELL
LOCATION:	Cells 3 and 4	RIG TYPE:	Rotosonic	GWC-23R
LOGGER:	C. Sellers	DRILLING METHODS:	Rotosonic	
DATE CONSTRUCTED:	6/28/2011			

		DEPTH FEET	ELEVATION FT, MSL
Locking Hinged Top	→		
	TOP OF RISER	2.54	691.41
1/4-inch Vent	→		
1/4-inch Weep Hole	→		
4-ft x 4-ft concrete pad	→		
	GROUND SURFACE	0.00	688.87
	PROTECTIVE CASING SIZE: 4x4-inch TYPE: Anodized Aluminum		
	BOTTOM OF PROTECTIVE CASING		
	BACKFILL MATERIAL TYPE: Portland Cement/Grout Slurry AMOUNT: 45 gallons		
	RISER CASING DIA: 2-inch TYPE: Schedule 40 PVC JOINT TYPE: Flush Threaded		
	TOP OF SEAL	18.00	670.87
	ANNULAR SEAL TYPE: 50 lbs bags of bentonite chips AMOUNT: 4 - 50 lbs bags PLACEMENT: Wash with water		
	TOP OF FILTER PACK	34.40	654.47
	FILTER PACK TYPE: DSI Sand #1A Drillers Services, Inc. AMOUNT: 4 bags / 50 lbs bags PLACEMENT: Wash with water		
	BOTTOM OF RISER / TOP OF SCREEN	36.70	652.17
	SCREEN DIA: 2-inch inner/3.75-inch outer TYPE: Schedule 40 PVC Prepack OPENING WIDTH: 0.01-inch OPENING TYPE: Slotted SLOT SPACING: 0.25-inch SLOT LENGTH: 1.5-inch		
	BOTTOM OF SCREEN	46.70	642.17
Flush-threaded end cap	→		
	BOTTOM OF CASING	47.00	641.87
HOLE DIA: 6"			

Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **688.02**
 Top of PVC Casing Elevation (feet, NAVDI88): **690.94**

	DRILLING LOG			Hole No. GWC-23R
	GEOLOGICAL SERVICES			Sheet 1 of 2
SITE Plant Bowen CCB Disposal Facility				
LOCATION Cells 3 and 4		COORDINATES N 1506700.85 E 2074447.26	HOLE DEPTH 47.0'	SURF.ELEV. 688.87
ANGLE 90	BEARING NA	CONTRACTOR Boart Longyear	DRILL NO. NA	
DRILLING METHOD Rotosonic		NO. SAMPLES Continuous	NO. U.D. SAMPLES NA	
CASING SIZE 6"	LENGTH NA	CORE SIZE 4"	TOTAL % REC. NA	
WATER TABLE DEPTH 33.35		ELEV. 655.52	TIME AFTER COMP. 1 hour	DATE TAKEN 6/28/2011
TYPE GROUT NA		QUANTITY NA	MIX NA	DRILLING START DATE 6/28/2011
DRILLER Boart	RECORDER C. Sellers	APPROVED D. Brooks	DRILLING COMP. DATE 6/28/2011	

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From	To	Blows			
0	730.66								
1	687.87	Top Soil							
2	686.87								
3	685.87								
4	684.87								
5	683.87	CLAY; silty;reddish brown							
6	682.87								
7	681.87	Chert; white; dry							
8	680.87								
9	679.87	SILT; clayey; brown; trace chert gravel							
10	678.87								
11	677.87								
12	676.87								
13	675.87								
14	674.87								
15	673.87								
16	672.87								
17	671.87	dolostone; some chert; dry							
18	670.87								
19	669.87								
20	668.87								
21	667.87								
22	666.87	CLAY; silty; reddish brown; chert gravel throughout							
23	665.87								
24	664.87								



DRILLING LOG
GEOLOGICAL SERVICES

Hole No. GWC-23R

Sheet 2 of 2

SITE Plant Bowen CCB Disposal Facility Cells 3 and 4 TOTAL DEPTH 47.0' SURF.ELEV. 688.87

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From	To	Blows			
25	663.87								
26	662.87								
27	661.87								
28	660.87								
29	659.87								
30	658.87								
31	657.87								
32	656.87	Dolostone; blue gray; very little fractures red staining at 28'							
33	655.87								
34	654.87								
35	653.87								
36	652.87								
37	651.87								
38	650.87								
39	649.87	SAA							
40	648.87								
41	647.87								
42	646.87								
43	645.87								
44	644.87								
45	643.87	Dolostone; blue gray; very fractured; red staining							
46	642.87								
47	641.87								
48	640.87	BOH @ 47.0' bgs							
49	639.87								
50	638.87								
51	637.87								
52	636.87								
53	635.87								
54	634.87								
55	633.87								
56	632.87								

WELL CONSTRUCTION LOG - ESEE DATABASE.GDT - 5/20/15 13:17 - S:\WORKGROUPS\APC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4 WEL

Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **689.14**
 Top of PVC Casing Elevation (feet, NAVD188): **692.17**

WELL: GWA-56
 PAGE 1 OF 3
 ECS37738



LOG OF WELL CONSTRUCTION

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

DATE STARTED 4/14/2015 **COMPLETED** 4/16/2015 **SURF. ELEV.** 689.14 **COORDINATES:** N 1506128.38 E 2074633.08

CONTRACTOR Cascade Drilling **EQUIPMENT** 7868 **METHOD** Sonic

DRILLED BY J. Sigler **LOGGED BY** B. Smelser **CHECKED BY** L. Millet **ANGLE** _____ **BEARING** _____

BORING DEPTH 82.96 ft. **GROUND WATER DEPTH: DURING** 43 ft. **COMP.** 38.8 ft. **DELAYED** 39.02 ft. after 100 hrs.

NOTES TOC Elevation 692.17, Sonic Drilling - 7"OD Casing in Overburden, 6"OD Casing in Rock, 4"OD Core Well installed. Refer to well data sheet.

DEPTH (ft)	GROUNDWATER OBSERVATIONS	WELL DATA		NOTES
		ELEVATION	Completion: Protective aluminum cover with bollards; 4-foot square concrete pad	
5		689.14	Surface Seal: Concrete	
10		685.14		
15				
20			Annular Fill: Portland Cement-Bentonite Grout (12 - 47lbs bags PC, 1 - 50lbs bags Gel, 65 gal. Water)	
25				
30				

(Continued Next Page)

WELL CONSTRUCTION LOG - ESEE DATABASE.GDT - 5/20/15 13:17 - S:\WORKGROUPS\APC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICGB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4 WEL



LOG OF WELL CONSTRUCTION

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

DEPTH (ft)	GROUNDWATER OBSERVATIONS	ELEVATION	WELL DATA	NOTES
35 40 45 50 55 60 65		654.14	Completion: Protective aluminum cover with bollards; 4-foot square concrete pad (CONTINUED) Annular Fill: Portland Cement-Bentonite Grout (12 - 47lbs bags PC, 1 - 50lbs bags Gel, 65 gal. Water) Annular Seal: Pel-Plug 3/8 Bentonite Coated Pellets (5 - 5gal buckets (69.8'-60.0')) and Baroid Hole Plug 3/8 Chips (10 - 50lbs bags (60.0'-35.0'))	

(Continued Next Page)

WELL CONSTRUCTION LOG - ESEE DATABASE.GDT - 5/20/15 13:17 - S:\WORKGROUPS\APC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4 WEL



LOG OF WELL CONSTRUCTION

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

DEPTH (ft)	GROUNDWATER OBSERVATIONS	WELL DATA	NOTES
<p>70</p> <p>75</p> <p>80</p> <p>85</p> <p>90</p> <p>95</p> <p>100</p>		<p style="text-align: center;">(CONTINUED)</p> <p>Completion: Protective aluminum cover with bollards; 4-foot square concrete pad</p> <p>Annular Seal: Pel-Plug 3/8 Bentonite Coated Pellets (5 - 5gal buckets (69.8'-60.0')) and Baroid Hole Plug 3/8 Chips (10 - 50lbs bags (60.0'-35.0'))</p> <p>Filter: Filter Media 1A Silica Sand (4 - 50 lbs bags)</p> <p>Standpipe: 2" OD PVC (SCH 40) Screen: 10 ft; 0.010" Slot Prepack</p> <p>Sump: 0.30 ft. Cave-in to 82.96 ft.</p> <p>ELEVATION</p> <p>618.14</p> <p>616.14</p> <p>606.48</p> <p>606.18</p>	

Log updated with revised survey certified 3/23/2021
 Ground Surface Elevation (feet, NAVD88): **689.14**
 Top of PVC Casing Elevation (feet, NAVD88): **692.17**

BORING GWA-56
 PAGE 1 OF 3
 ECS37738



LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
 EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells

LOCATION Cartersville, GA

DATE STARTED 4/14/2015 COMPLETED 4/16/2015 SURF. ELEV. 689.14 COORDINATES: N 1506128.38 E 2074633.08

CONTRACTOR Cascade Drilling EQUIPMENT 7868 METHOD Sonic

DRILLED BY J. Sigler LOGGED BY B. Smelser CHECKED BY L. Millet ANGLE BEARING

BORING DEPTH 82.96 ft. GROUND WATER DEPTH: DURING 43 ft. COMP. 38.8 ft. DELAYED 39.02 ft. after 100 hrs.

NOTES TOC Elevation 692.17, Sonic Drilling - 7"OD Casing in Overburden, 6"OD Casing in Rock, 4"OD Core Well installed. Refer to well data sheet.

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION Weak Moderate Strong	COMMENTS	Natural Gamma		
						55	110	165
		Silty Clay (CL-ML) - dusky red / dark reddish brown (10R 3/4) fill dry, very stiff to hard, low plastic			Soil density gauged by thumb penetration			
5		Silt (ML) - dusky red / dark reddish brown (10R 3/4) fill dry, very stiff, trace interbedded clay lenses and medium to coarse/subangular to subrounded/brittle to friable dolomite fragments - trace mottling red (10R 5/6) and light brown (7.5YR 6/4) residuum dry, very stiff, white with reddish staining/medium to very coarse/angular to subangular dolomite fragments, trace chert fragments						
10								
15								
20		Elastic Silt (MH) - mottled red (10R 4/8), yellowish red (5YR 5/8) and light gray (10YR 7/1) residuum moist, very stiff to stiff, low plastic, white to light gray interbedded ML, light gray clayey zones have increased plasticity, trace light gray to white angular dolomite and chert fragments						
25								
30		Gravelly Lean Clay (CL) - trace mottling yellowish red (5YR 5/8) and red (2.5YR 4/8) residuum moist, very stiff to stiff, low to medium plastic, abundant gray to dark brown/medium cobble/angular to subangular chert fragments, trace dolomite fragments						

(Continued Next Page)

GEOLOGY LOG COLOR GAMMA - ESEE DATABASE GDT - 5/20/15 13:24 - S:\WORKGROUP\SPAC GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4



LOG OF TEST BORING

BORING GWA-56
PAGE 2 OF 3
ECS37738

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Bowen Cells 3 & 4 Wells
LOCATION Cartersville, GA

GEOLOGY LOG COLOR GAMMA - ESEE DATABASE GDT - 5/20/15 13:25 - S:\WORKGROUPO\SP\GENERAL SERVICE COMPLEX\CIVIL TECH SUPPORT\DRILLING\PROJECTS\BOWEN\ICB WELLS 2015\CELLS 3-4 WELLS\BORING LOGS\PLANT BOWEN CELLS 3 & 4

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	ELEVATION	HCL REACTION Weak Moderate Strong	COMMENTS	Natural Gamma		
						55	110	165
35		Gravelly Lean Clay (CL) (Cont)						
40								
45		Sandy Lean Clay (CL) - red (2.5YR 5/8) and reddish yellow (7.5YR 6/6) residuum wet, medium stiff to soft, low to medium plastic, trace very coarse to cobble size angular chert fragments						
50		Chert (ledge)			Limited Recovery			
55		VOID - possible solution cavity (48'-68') - mud filled void, no recovery						
60								
65								

(Continued Next Page)

